

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	2	0	0.063	48.048	0	0	0.047	35.053	0.199
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	2	0	0.05	48.144	0	0	0.033	33.51	0.245
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	2	0	0.081	47.954	0	0	0.065	34.801	0.304
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	2	0	0.071	47.461	0	0	0.005	35.08	0.224
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	2	0	0.042	48.053	0	0	0.057	35.079	0.297
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	2	0	0.082	48.124	0	0	0.049	35.254	0.346
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	2	0	0.085	47.996	0	0	0.053	32.235	0.292
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	2	0	0.044	47.637	1.3069	0	0.058	34.627	0.275
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	2	0	0.083	47.281	0	0	0.053	34.682	0.335
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	2	0	0.055	47.474	0	0	0.039	35.057	0.387
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	2	0	0.027	48.781	0.3167	0	0.033	32.722	0.267
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	2	0	0.021	50.255	0.7719	0	0.045	31.17	0.219
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	2	0	0.099	47.159	0	0	0.033	33.315	0.163
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	2	0.013	0.165	48.226	0	0	0.04	34.102	0.219
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	2	0	0.175	47.228	0	0	0.046	33.657	0.217
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	2	0	0.203	47.927	0.3983	0	0.053	35.459	0.251
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	2	0	0.2	46.843	0.3657	0	0.063	33.942	0.245
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	2	0	0.055	48.051	0	0	0.047	34.235	0.333
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	2	0	0.052	48.506	0	0	0.039	33.864	0.26
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	2	0.036	0.033	47.615	0	0	0.068	34.589	0.225
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	2	0	0.039	47.723	0.5164	0	0.034	34.518	0.401
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	2	0.004	0	47.465	1.2722	0	0.081	35.479	0.171
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	2	0	0.065	47.463	0	0	0.043	33.638	0.227
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	2	0	0.087	46.953	0	0	0.065	34.083	0.257
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	2	0	0.058	47.258	0.8461	0	0.085	35.026	0.383
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	2	0	0.136	46.915	1.4047	0.0289	0.074	33.573	0.226
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	2	0	0.043	46.286	0.2789	0	0.055	34.472	0.296
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	2	0	0.062	48.261	1.4948	0	0.07	35.267	0.27
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	2	0	0.054	47.145	0	0	0.066	34.577	0.259
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	2	0	0.096	47.508	0	0	0.039	33.624	0.338
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	2	0	0.018	47.19	0	0	0.062	34.301	0.261
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	2	0	0.041	47.672	1.4859	0	0.078	33.754	0.301
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	2	0	0.099	48.552	0	0	0.045	33.914	0.318
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	2	0	0.152	47.096	0	0	0.024	34.844	0.388
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	2	0	0.138	47.602	0	0	0.071	33.946	0.302
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	2	0.023	0.269	51.119	2.0162	0	0.024	32.34	0.044
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	2	0	0.153	48.031	0	0	0.031	34.294	0.066
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	2	0.034	0.188	47.393	0	0	0.038	35.025	0.075
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	2	0.101	0.09	47.396	0	0	0.026	34.557	0.004
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	2	0	0.025	48.586	0.3367	0.049	0.027	38.069	0.007
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	2	0	0.021	47.731	0	0	0.058	37.182	0.109
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	2	0	0.138	47.945	2.5352	0	0.046	34.561	0.05
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	2	0.006	0.104	46.699	0	0	0.096	34.542	0.05
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	2	0	0.095	47.677	0	0	0.058	34.608	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	2	0	0.201	48.159	0	0	0.091	32.011	0.022
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	2	0	0.218	49.01	0	0	0.067	31.653	0.043
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	2	0	0.257	50.338	0	0	0.059	30.825	0.022
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	2	0	0.096	47.367	0	0	0.039	35.581	0.032
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	2	0	0.092	47.42	0	0	0.028	35.759	0.066

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	2	0	0.131	47.753	0	0	0.049	36.146	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	2	0	0.19	49.766	0	0	0.075	32.046	0.062
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	2	0.029	0.285	46.99	0	0	0.021	37.407	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	2	0	0.176	46.911	0	0	0.06	34.164	0.043
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	2	0.092	0.276	47.998	0	0	0.027	34.24	0.018
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	2	0.059	0.307	46.832	0	0	0.056	35.115	0.015
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	2	0	0.084	47.57	0	0	0.055	32.839	0.06
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	2	0.008	0.281	47.545	0.3565	0	0.054	31.724	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	2	0.207	0.139	45.537	1.3903	0	0.054	37.239	0.075
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	2	0.03	0.38	48.587	0	0	0.045	31.334	0.032
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	2	0.103	0.418	47.133	0	0	0.054	35.889	0.027
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	2	0	0.338	47.523	0	0	0.05	35.247	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	2	0	0.246	46.909	0	0	0.076	35.057	0.062
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	2	0	0.224	47.638	1.664	0	0.074	36.188	0.03
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	2	0.242	0.758	46.71	1.9671	0	0.078	32	0.033
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	2	0.313	0.818	46.068	2.9974	0	0.087	29.925	0.041
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	2	0.111	0.527	47.662	0	0	0.056	35.512	0.031
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	2	0	0.466	47.302	0	0	0.056	35.639	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	2	0	0.444	47.573	0.9514	0	0.03	35.931	0.036
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	2	0	0.501	47.493	0	0	0.052	35.343	0.028
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	2	0	0.438	46.901	0	0	0.084	35.45	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	2	0	0.42	46.938	0	0	0.052	35.455	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	2	0	0.51	46.896	0	0	0.07	35.433	0.016
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	2	0.032	0.374	47.454	0	0	0.027	35.605	0.076
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	2	0	0.271	46.916	0	0	0.074	35.879	0.024
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	2	0	0.367	47.305	0	0	0.083	35.8	0.037
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	2	0	0.187	47.247	0	0	0.065	35.747	0.037
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	2	0	0	49.55	7.2196	0	0.042	23.309	0.012
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	2	0.033	0	48.597	0	0	0.02	23.72	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	2	0.163	0	48.513	6.3933	0	0.023	24.107	0.012
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	2	0.03	0.195	47.716	1.7421	0	0.051	35.608	0.05
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	2	0	0.345	46.602	0	0	0.108	35.397	0.012
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	2	0	0.482	47.534	0	0	0.061	35.124	0.086
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	2	0.023	0.574	47.018	0	0	0.076	33.47	0.021
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	2	0	0.482	46.879	0	0	0.068	34.245	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	2	0	0.073	50.015	6.38	0	0.036	23.5	0.051
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	2	0	0.031	49.802	6.1064	0	0.048	22.71	0.007
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	2	0.006	0.08	48.905	6.2462	0	0.078	23.792	0.038
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	2	0.222	0.469	47.384	0	0	0.06	32.179	0.074
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	2	0.295	0.638	47.08	0	0	0.007	32.119	0.033
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	2	0.317	0.62	46.866	0	0	0.045	32.379	0.01
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	2	0	0.28	46.637	2.1796	0	0.057	36.061	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	2	0	0.427	47.021	0	0	0.104	35.448	0.046
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	2	0	0.255	46.736	1.4003	0.0089	0.021	35.481	0.006
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	2	0	0.356	46.331	1.3003	0.0334	0.054	35.554	0.004
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	2	0	0.291	46.545	0.3731	0	0.046	35.014	0.039
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	2	0	0.291	46.587	0	0	0.099	35.123	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	2	0.058	0.574	46.734	0.3537	0	0.017	33.803	0.067
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	2	0	0.201	46.224	0.3685	0	0.024	35.002	0.051

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	2	0.101	0.602	46.911	0.3469	0	0.029	32.963	0.037
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	2	0.052	0.532	46.243	0.3296	0	0.05	32.833	0.04
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	2	0.093	0.059	49.351	0.1543	0	0.066	22.537	0.077
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	2	0.083	0.091	48.85	0.729	0	0.025	22.384	0.01
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	2	0	0.027	48.587	0.9633	0	0.032	21.923	0.049
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	2	0	0.406	47.493	0	0	0.092	35.523	0.013
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	2	0	0.357	46.945	0.6069	0	0.031	35.044	0.015
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	2	0	0.398	47.327	0	0	0.056	34.533	0.042
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	2	0.088	0.397	47.369	0	0	0.032	34.591	0.07
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	2	0	0.298	47.715	0	0	0.041	34.746	0.054
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	2	0	0.022	49.356	0.7824	0	0.073	35.981	0.143
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	2	0	0.019	49.082	0.6968	0	0.063	35.61	0.188
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	2	0	0.121	50.291	0	0	0.073	32.79	0.161
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	2	0	0.091	49.134	0.8802	0.0189	0.06	35.032	0.177
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	2	0	0.196	52.618	1.1303	0	0.085	31.312	0.088
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	2	0	0.056	52.892	1.0512	0	0.059	29.714	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	2	0.139	0.194	52.865	1.3221	0	0.071	29.129	0.074
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	2	0	0.141	50.216	1.5331	0	0.085	30.609	0.109
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	2	0.077	0.078	53.408	1.0659	0	0.012	30.652	0.037
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	2	0.101	0.19	52.801	1.6476	0	0.035	29.029	0.059
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	2	0.003	0.141	52.382	1.0265	0	0.04	30.863	0.052
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	2	0	0.026	51.688	0.8075	0	0.055	30.169	0.139
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	2	0	0.256	50.981	1.1727	0	0.094	31.41	0.181
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	2	0	0.233	49.339	0.3551	0	0.092	30.257	0.153
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	2	0.008	0.246	49.718	2.1295	0	0.124	31.144	0.134
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	2	0.085	0.233	52.028	1.7395	0	0.081	28.616	0.136
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	2	0	0.236	50.095	0	0	0.104	31.657	0.078
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	2	0	0.188	50.888	0.9701	0	0.028	31.728	0.173
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	2	0	0.181	48.678	2.1814	0	0.059	31.558	0.066
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	2	0	0.246	46.179	3.586	0	0.099	30.763	0.139
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	2	0	0.355	51.498	1.0279	0	0.105	32.457	0.131
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	2	0	0.313	50.58	1.2014	0	0.088	32.203	0.029
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	2	0	0.136	52.986	1.0403	0	0.041	29.856	0.078
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	2	0	0.083	52.681	1.1364	0	0.06	30.682	0.119
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	2	0	0.066	47.39	1.1796	0	0.063	36.208	0.026
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	2	0	0.03	46.526	1.4025	0	0.083	35.506	0.015
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	2	0	0.032	46.963	1.6026	0.0434	0.06	35.316	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	2	0.101	0.19	47.405	2.1971	0.0189	0.052	33.507	0.01
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	2	0	0.06	47.149	1.9804	0.0078	0.067	34.048	0.023
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	2	0	0.29	52.589	1.7177	0	0.061	31.331	0.029
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	2	0	0.205	47.56	2.0356	0	0.035	35.078	0.001
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	2	0.016	0.233	46.705	0.3668	0	0.089	34.08	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	2	0	0.044	46.559	1.547	0.0412	0.069	35.608	0.01
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	2	0.099	0.032	46.59	0.3883	0	0.058	35.805	0.06
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	2	0	0.06	46.471	1.6726	0.0134	0	35.681	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	2	0	0.155	47.934	1.6362	0	0.078	36.351	0.069
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	2	0	0.073	47.131	0	0	0.07	36.095	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	2	0	0.073	47.527	0	0	0.06	35.987	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	2	0.025	0.123	46.863	0	0	0.066	35.325	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	2	0.125	0.2	48.12	1.83	0	0.009	35.301	0.052
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	2	0.074	0.196	47.478	0	0	0.054	35.002	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	2	0.406	0.2	46.684	0	0	0.066	34.793	0.064
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	2	0.128	0.168	47.149	0	0	0.035	33.114	0.043
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	2	0.038	0.063	47.485	0	0	0.03	35.683	0.006
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	2	0.043	0.059	48.297	1.0491	0	0.043	36.677	0.046
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	2	0.056	0.096	48.174	0	0	0.039	36.081	0.02
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	2	0.012	0.094	47.435	0	0	0.047	36.77	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	2	0	0.028	46.981	0	0	0.056	36.425	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	2	0	0.043	47.266	0	0	0.056	35.609	0.023
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	2	0	0.12	46.761	1.757	0	0.119	34.926	0.003
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	2	0	0.041	46.597	0	0	0.068	35.707	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	2	0	0.047	47.224	0	0	0.044	35.652	0.041
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	2	0	0.236	47.539	0	0	0.044	35.32	0.058
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	2	0	0.154	47.877	0	0	0.041	35.569	0.059
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	2	0.029	0.07	47.153	0.3775	0	0.001	33.992	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	2	0	0.032	46.87	1.6003	0	0.093	35.045	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	2	0	0.115	45.636	0.3785	0	0	36.249	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	2	0	0.149	45.922	1.7104	0.0478	0	36.186	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	2	0	0.094	46.135	1.647	0.0467	0	35.869	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	2	0	0.094	45.442	0.3738	0	0	36.159	0.019
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	2	0	0.081	47.637	1.3481	0	0.065	36.046	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	2	0	0.083	47.466	0	0	0.036	35.139	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	2	0	0.059	47.307	0	0	0.071	35.949	0.007
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	2	0.192	0.092	47.07	0	0	0.033	34.566	0.01
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	2	0.144	0.039	47.859	0	0	0.045	33.881	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	2	0	0.078	47.471	0	0	0.069	35.069	0.036
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	2	0	0.053	46.912	0	0	0.066	35.248	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	2	0	0.079	47.4	0	0	0.072	35.662	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	2	0	0.092	47.746	0	0	0.059	36.548	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	2	0	0.054	47.452	0	0	0.044	36.177	0.02
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	2	0	0.081	47.306	0	0	0.044	35.927	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	2	0	0.041	47.279	0	0	0.071	35.378	0.023
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	2	0	0.077	47.691	0	0	0.029	34.983	0.004
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	2	0	0.166	47.563	0	0	0.038	35.087	0.071
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	2	0.406	0.219	46.878	0	0	0.058	34.623	0.016
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	2	0	0.206	47.428	0	0	0.082	34.569	0.006
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	2	0.266	0.255	47.419	0	0	0.031	33.585	0.045
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	2	0.213	0.218	47.064	0	0	0.086	33.336	0.052
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	2	0	0.137	46.752	0.3633	0	0.052	34.181	0.006
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	2	0	0.045	48.557	1.0921	0	0.056	35.879	0.02
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	2	0	0	47.289	0	0	0.072	35.611	0.029
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	2	0.2	0.193	46.96	0	0	0.044	35.205	0.012
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	2	0	0.067	47.234	0	0	0.06	35.87	0.054
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	2	0	0.051	47.005	0	0	0.021	35.155	0.054
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	2	0	0.105	47.361	0	0	0.051	35.008	0.006
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	2	0	0.018	48.489	0	0	0.092	31.713	0.072
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	2	0	0.016	48.78	0	0	0.052	31.538	0.037
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	2	0	3.093	36.086	0	0	0.094	18.395	0.062

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	2	0	0.092	49.844	0	0	0.105	29.762	0.115
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	2	0	0.534	44.553	0.2664	0	0.081	36.586	0.015
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	2	0	0.412	46.226	0	0	0.053	35.901	0.058
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	2	0	0.346	47.499	0	0	0.012	35.287	0.101
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	2	0	0.159	47.528	0	0	0.018	35.508	0.061
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	2	0	0.326	48.087	1.0085	0	0.08	35.351	0.074
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	2	0	0.476	47.864	0	0	0.047	34.433	0.094
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	2	0	0.306	47.966	0.9693	0	0.039	36.017	0.074
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	2	0	0.371	47.557	0	0	0.052	35.592	0.131
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	2	0.006	0.316	47.54	0	0	0.034	35.624	0.046
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	2	0	0.006	49.954	1.7825	0	0.054	31.987	0.097
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	2	0	0.046	50.24	0	0	0.048	29.764	0.072
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	2	0	0.028	49.542	0	0	0.077	30.152	0.069
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	2	0.025	0.524	47.947	0	0	0.033	34.732	0.085
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	2	0	0.001	47.821	0	0	0.055	34.401	0.074
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	2	0	0.461	47.707	0	0	0.08	35.91	0.117
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	2	0	0.213	47.428	0	0	0.102	33.65	0.067
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	2	0	0.449	47.346	0	0	0.063	35.122	0.035
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	2	0	0.422	47.196	0	0	0.108	35.592	0.02
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	2	0	0.242	47.702	0	0	0.074	35.689	0.016
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	2	0.023	0.211	47.462	0	0	0.029	34.868	0.01
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	2	0	0.056	46.789	0	0	0.06	36.995	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	2	0	0.193	47.853	1.5948	0	0.055	36.337	0.028
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	2	0	0.691	47.341	0	0	0.095	35.828	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	2	0	0.192	46.622	0.3754	0	0.051	35.011	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	2	0	0.729	46.597	0	0	0.099	36.226	0.007
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	2	0	0.278	47.185	0	0	0.052	35.337	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	2	0	0.667	47.923	0.9648	0	0.007	36.709	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	2	0	0.328	48.62	0	0	0.059	32.421	0.063
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	2	0	0.35	48.033	0	0	0.066	33.019	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	2	0	0.556	48.674	1.8038	0	0.042	33.534	0.016
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	2	0	0.879	47.288	0	0	0.028	35.406	0.049
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	2	0	0.611	48.356	0	0	0.072	33.085	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	2	0	0.015	47.402	0	0	0.016	36.881	0.065
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	2	0	0.021	47.336	0	0	0.035	36.501	0.016
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	2	0	0.155	47.051	0	0	0.053	36.143	0.021
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	2	0	0.155	46.858	0	0	0.065	36.181	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	2	0.03	0.621	47.811	0	0	0.067	34.367	0.091
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	2	0	0.189	47.255	0	0	0	34.765	0.018
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	2	0	0.183	47.529	0	0	0.055	35.813	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	2	0	0.401	47.636	0	0	0.013	32.021	0.022
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	2	0	0.493	47.808	0	0	0.085	32.636	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	2	0	0.038	46.77	0	0	0.087	38.739	0.071
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	2	0	0.034	47.374	0	0	0.063	36.085	0.022
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	2	0.032	0.002	47.382	0	0	0	37.212	0.038
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	2	0	0	47.361	0	0	0.05	37.174	0.012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	2	0.037	0.167	46.767	0	0	0.058	34.664	0.049
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	2	0	0.214	46.813	0	0	0.037	34.386	0.024
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	2	0.09	0.066	47.007	0.3392	0	0.08	32.156	0.055

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	2	0	0.122	46.6	0	0	0.058	35.145	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	2	0.02	0.099	46.533	2.3927	0.0289	0.025	34.89	0.046
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	2	0	0.191	46.657	0	0	0.067	36.225	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	2	0	0.112	46.31	2.5239	0.01	0.074	34.069	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	2	0	0.236	46.643	0.3261	0	0.11	31.94	0.037
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	2	0	0.217	47.305	0	0	0.065	33.994	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	2	0	0.194	47.15	0.3726	0	0.028	34.1	0.031
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	2	0	0.14	47.025	1.6822	0	0.042	36.523	0.064
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	2	0	0.157	46.35	1.976	0	0.047	35.011	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	2	0	0.161	45.859	0.3636	0	0.061	34.842	0.012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	2	0	0.296	46.261	0.3712	0	0.064	35.131	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	2	0	0.17	46.876	0	0	0.063	34.329	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	2	0	0.052	45.901	0.3685	0	0.051	35.135	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	2	0	0.195	45.341	0.3675	0	0.066	35.868	0.012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	2	0	0.146	47.606	0.3664	0	0.058	33.869	0.009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	2	0	0.286	47.255	0.3508	0	0.045	32.656	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	2	0	0.275	47.026	0	0	0.052	35.749	0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	2	0	0.109	46.881	0	0	0.03	35.688	0.042
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	2	0.251	0.095	47.095	0	0	0.047	35.61	0.193
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	2	0	0.154	46.445	0	0	0.053	34.757	0.123
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	2	0.096	0.136	46.204	0	0	0.067	34.5	0.051
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	2	0	0.186	46.328	0	0	0.059	35.796	0.032
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	2	0.085	0.234	47.981	0	0	0.04	33.395	0.149
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	2	0.016	0.254	46.835	0	0	0.082	34.94	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	2	0	0.109	46.076	0.3643	0	0.033	34.882	0.077
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	2	0	0.274	47.209	0	0	0.058	31.974	0.019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	2	0	0.1	45.992	0	0	0.08	35.576	0.038
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	2	0.12	0.226	51.173	1.4663	0	0.037	27.155	0.069
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	2	0.155	0.128	47.877	2.8373	0.0456	0.058	33.827	0.036
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	2	0	0.245	46.356	0.5182	0	0.057	33.766	0.035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	2	0.072	0.187	47.343	0	0	0.039	34.357	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	2	0	0.119	48.571	0	0	0.046	33.144	0.012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	2	0.152	0.21	47.383	1.2629	0	0.047	37.382	0.109
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	2	0	0.219	46.221	0.3839	0	0.049	36.128	0.041
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	2	0	0.281	46.83	0	0	0.04	35.495	0.138
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	2	0	0.051	45.808	0	0	0.075	36.399	0.033
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	2	0	0.173	46.109	1.9037	0.0122	0.05	34.732	0.047
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	2	0	0.165	47.406	0.353	0	0.041	33.234	0.045
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	2	0.025	0.165	47.524	0.3534	0	0.086	32.47	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	2	0	0.106	47.9	2.6139	0	0.043	33.171	0.019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	2	0	0.091	49.561	2.9595	0.0356	0.072	29.74	0.056
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	2	0	0	55.932	1.7758	0	0.026	22.931	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	2	0	0	58.955	0.3363	0	0.062	17.794	0.006
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	2	0	0	58.714	2.1382	0.1224	0.061	18.086	0.079
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	2	0	0.015	58.023	1.1249	0	0.065	19.011	0.056
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	2	0	0.004	58.13	1.9638	0.1191	0.041	18.564	0.015
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	2	0	0	59.306	1.5214	0	0.066	18.507	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	2	0	0	48.515	1.4585	0	0.054	23.631	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	2	0.08	0.018	48.122	2.1131	0	0.051	23.469	0.061

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	2	0	0.031	48.953	4.9953	0	0.015	21.017	0.01
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	2	0	0.003	48.99	2.478	0	0.023	22.382	0.032
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	2	0.022	0	49.837	1.7862	0	0.093	21.831	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	2	0	0	55.844	3.0158	0	0.039	17.79	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	2	0	0	48.929	2.5849	0	0.064	21.914	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	2	0	0	50.22	1.8506	0	0.011	20.403	0.022
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	2	0.117	0.04	47.412	4.3832	0	0.098	23.348	0.031
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	2	0.076	0.002	47.199	1.1957	0	0.05	26.069	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	2	0	0.113	49.074	2.7833	0	0.05	21.63	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	2	0.028	0.004	48.561	2.1903	0	0.047	23.01	0.001
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	2	0.033	0.023	48.965	2.4117	0	0.086	21.834	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	2	0.116	0.048	46.878	4.9054	0	0.074	28.328	0.099
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	2	0	0.016	48.51	3.5875	0	0.074	22.174	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	2	0	0.003	50.541	1.9506	0	0.077	19.641	0.067
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	2	0.036	0.022	46.439	3.8168	0	0.033	29.341	0.009
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	2	0	0.014	49.005	4.1039	0	0.064	21.714	0.033
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	2	0	0.03	49.198	4.9564	0	0.057	20.994	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	2	0	0.005	48.105	3.6191	0	0.088	22.864	0.007
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	2	0	0	48.623	5.0749	0	0.073	21.534	0.061
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	2	0.048	0.023	48.117	2.2758	0	0.039	23.27	0.004
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	2	0	0.022	49.015	5.1323	0	0.064	21.327	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	2	0	0.04	48.575	6.2469	0	0.061	21.368	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	2	0.023	0	50.09	2.2222	0	0.054	20.499	0.041
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	2	0.047	0.014	47.966	1.9937	0	0.062	24.923	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	2	0	0.033	49.647	2.0586	0	0.078	21.132	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	2	0	0	49.977	1.985	0	0.095	20.957	0.03
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	2	0.006	0	48.475	3.3284	0	0.045	22.092	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	2	0	0.048	47.91	3.44	0	0.066	22.993	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	2	0	0	50.417	1.6923	0	0.021	20.479	0.107
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	2	0	0.037	50.407	1.7582	0	0.068	20.468	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	2	0	0	50.248	2.0738	0	0.073	20.36	0.013
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	2	0	0	48.355	6.0043	0	0.027	21.811	0.03
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	2	0	0	50.747	1.8761	0	0.098	19.596	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	2	0	0.027	49.999	2.172	0	0.035	20.587	0.021
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	2	0	0.018	48.592	0.8107	0	0.041	24.153	0.031
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	2	0.133	0.025	46.848	0	0	0.06	35.125	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	2	0.122	0.022	46.656	0.4618	0	0	34.149	0.004
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	2	0.089	0.05	46.192	2.0338	0.0645	0.033	35.285	0.021
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	2	0.264	0.012	46.434	3.3549	0	0.05	30.59	0.092
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	2	0	0.031	46.512	3.2028	0	0.098	31.637	0.015
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	2	0	0.018	50.773	1.831	0	0.036	19.69	0.01
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	2	0	0.046	49.469	5.9315	0	0.085	20.012	0.031
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	2	0.223	0.041	46.895	0	0	0.052	35.066	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	2	0.073	0.054	46.775	0.5797	0	0.019	33.217	0.033
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	2	0.16	0.024	47.156	0	0	0.059	34.327	0.043
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	2	0.096	0	47.258	0	0	0.049	35.412	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	2	0.103	0	47.114	0	0	0.032	33.92	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	2	0	0.016	46.71	0.3689	0	0.053	33.791	0.043
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	2	0	0	47.219	0	0	0.077	35.297	0.015

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	2	0.05	0.022	47.093	0	0	0.082	33.999	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	2	0	0.015	57.754	4.8184	0	0.05	16.359	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	2	0	0	55.603	3.1483	0	0.061	17.761	0.024
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	2	0.079	0	47.585	0	0	0.078	33.569	0.019
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	2	0	0.032	54.836	4.4646	0	0.061	17.738	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	2	0	0.008	57.657	4.9718	0	0.048	16.88	0.003
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	2	0.053	0.003	51.834	1.7607	0	0.03	26.643	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	2	0.006	0	52.244	1.5213	0	0.023	25.459	0.037
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	2	0.054	0.008	46.761	0.3805	0	0.044	34.784	0.039
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	2	0.001	0.001	56.387	0.9896	0	0.04	18.017	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	2	0	0.013	56.129	1.0418	0	0.066	18.143	0.037
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	2	0	0.011	56.381	0.9025	0	0.04	17.995	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	2	0.03	0	47.495	2.6239	0.0612	0.06	35.082	0.022
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	2	0.108	0	46.75	0.373	0	0.075	34.185	0.049
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	2	0.135	0	47.402	0.3614	0	0.043	33.066	0.042
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	2	0	0	56.736	1.7071	0	0.076	17.3	0.042
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	2	0	0	55.522	4.8199	0.069	0.114	17.876	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	2	0.073	0	55.748	2.81	0	0.038	17.867	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	2	0.074	0.015	51.92	3.5229	0	0.011	22.354	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	2	0	0.01	54.043	6.828	0	0.034	17.496	0.016
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	2	0.207	0.031	47.215	2.5028	0.0879	0.037	35.065	0.025
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	2	0.123	0	46.709	0.6176	0	0.057	33.874	0.037
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	2	0.046	0.026	47.726	1.1562	0	0.035	37.123	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	2	0.405	0	46.844	0	0	0.061	36.143	0.067
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	2	0.202	0	45.998	0	0	0.068	37.405	0.028
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	2	0.484	0	45.691	0	0	0.032	37.255	0.007
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	2	0.346	0.023	46.355	0	0	0.06	36.476	0.036
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	2	0.389	0	45.914	1.4336	0.0223	0.078	36.166	0.021
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	2	0.024	0.007	47.072	0	0	0.026	37.069	0.001
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	2	0.111	0	47.339	0	0	0.084	36.454	0.018
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	2	0.149	0	46.712	0	0	0.035	36.701	0.004
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	2	0.49	0.001	46.179	0	0	0.061	37.772	0.019
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	2	0.213	0	46.522	0	0	0.082	36.549	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	2	0.35	0	45.886	0	0	0.03	37.909	0.021
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	2	0.172	0.034	46.65	0	0	0.053	36.144	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	2	0.2	0.01	46.899	0	0	0.055	36.773	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	2	0.366	0.01	46.931	1.138	0	0.057	37.261	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	2	0.293	0.001	44.234	1.8681	0	0.059	35.662	0.062
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	2	0.164	0	47.175	0	0	0.055	36.768	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	2	0.068	0.033	47.362	0	0	0.064	35.617	0.052
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	2	0.049	0	46.814	4.099	0	0.067	30.418	0.022
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	2	0.141	0	47.467	0	0	0.066	36.887	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	2	0.069	0	46.777	0	0	0.041	35.492	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	2	0.12	0.017	47.174	0	0	0.072	35.427	0.043
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	2	0.08	0.003	47.31	0	0	0.046	36.092	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	2	0.083	0.006	47.205	0	0	0.074	36.429	0.046
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	2	0.171	0	46.634	1.0775	0	0.055	38.325	0.018
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	2	0.218	0.008	46.8	0	0	0.108	37.026	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	2	0.56	0.021	45.641	0	0	0.061	37.212	0.019

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	2	0.545	0	46.338	0	0	0.016	36.81	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	2	0.166	0.006	46.651	0	0	0.052	37.043	0.009
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	2	0.078	0.029	47.528	1.7992	0	0.077	36.837	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	2	0.403	0.012	47.595	0	0	0.046	35.259	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	2	0.276	0.038	47.131	0	0	0.065	35.241	0.025
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	2	0.076	0.004	46.927	1.3095	0	0.067	37.295	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	2	0.028	0.039	47.073	0	0	0.077	36.759	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	2	0.232	0	47.472	0	0	0.062	36.444	0.031
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	2	0.15	0	47.456	0	0	0.082	36.143	0.035
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	2	0.213	0	45.863	0	0	0.097	36.665	0.043
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	2	0	0.101	47.177	0	0	0.067	34.733	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	2	0.083	0.125	46.838	0	0	0.045	34.292	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	2	0.129	0.085	47.279	0	0	0.063	34.498	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	2	0.02	0.075	47.034	0	0	0.041	34.376	0.028
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	2	0	0.071	46.989	0	0	0.039	34.456	0.021
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	2	0	0.077	48.135	2.2977	0	0.084	35.249	0.061
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	2	0	0.054	47.157	0	0	0.022	34.388	0.085
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	2	0	0.067	47.547	0	0	0.039	34.482	0.074
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	2	0.022	0.396	47.406	2.7839	0.0846	0.053	34.204	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	2	0.058	0.112	46.705	2.5205	0.0289	0.07	34.142	0.03
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	2	0.032	0.122	46.818	0	0	0.055	34.722	0.012
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	2	0.136	0.417	47.45	0	0	0.048	32.889	0.055
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	2	0.036	0.099	47.002	2.2927	0.0145	0.046	34.638	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	2	0.056	0.102	46.417	0.4801	0	0.059	33.776	0.039
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	2	0	0.516	47.247	0	0	0.051	33.197	0.058
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	2	0	0.185	46.589	0.5047	0	0.024	33.524	0.007
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	2	0.103	0.1	47.512	1.7418	0	0.038	36.355	0.074
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	2	0.069	0.09	46.412	0	0	0.068	36.022	0.022
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	2	0.171	0.067	46.875	0	0	0.041	35.322	0.013
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	2	0.1	0.049	45.898	0.3814	0	0.059	36.08	0.025
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	2	0.095	0.059	46.757	0	0	0.004	36.09	0.016
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	2	0.042	0.017	47.177	0	0	0.058	36.236	0.081
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	2	0.081	0.137	46.983	0.3677	0	0.07	34.494	0.06
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	2	0	0.221	47.196	0	0	0.084	33.695	0.022
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	2	0.095	0.19	47.493	2.5472	0.0835	0.025	34.304	0.01
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	2	0	0.117	46.824	0	0	0.042	34.743	0.061
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	2	0	0.104	47.225	0	0	0.04	34.552	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	2	0.121	1.228	47.445	2.6423	0	0.056	33.257	0.061
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	2	0.22	0.504	47.014	0	0	0.09	33.663	0.07
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	2	0.133	0.259	46.922	0	0	0.056	34.35	0.031
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	2	0.161	1.07	47.123	0	0	0.081	32.525	0.064
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	2	0.122	0.761	47.068	0	0	0.193	31.751	0.056
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	2	0.15	0.961	46.91	3.4907	0.0423	0.061	33.001	0.053
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	2	0.157	0.601	47.023	0	0	0.052	32.439	0.043
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	2	0	0.256	46.647	0.3609	0	0.021	34.702	0.099
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	2	0.144	0.332	46.801	0.3505	0	0.055	32.917	0.051
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	2	0	0.332	46.597	3.2507	0.0467	0.037	33.229	0.033
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	2	0	0.434	46.528	3.2229	0.0545	0.085	33.023	0.03
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	2	0	0.296	47.276	0	0	0.037	33.535	0.083

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	2	0.045	0.292	46.66	2.7106	0.0523	0.039	34.003	0.03
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	2	0.018	0.448	47.412	0	0	0.088	33.698	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	2	0.111	0.671	46.565	3.8864	0.0501	0.11	34.087	0.001
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	2	0.122	0.719	46.464	0	0	0.081	33.157	0.042
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	2	0.131	0.507	46.984	0	0	0.034	32.847	0.009
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	2	0.093	0.655	47.245	3.2585	0.0757	0.043	32.38	0.055
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	2	0.056	0.533	46.833	1.7351	0	0.049	31.112	0.025
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	2	0	0.164	47.206	0	0	0.061	33.115	0.042
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	2	0	0.161	47.118	0	0	0.059	32.414	0.048
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	2	0.139	0.34	46.847	3.1452	0	0.071	30.376	0.021
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	2	0	0.27	47.173	1.8822	0	0.037	32.296	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	2	0.039	0.357	47.059	0	0	0.063	31.823	0.049
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	2	0	0.178	47.231	0	0	0.06	33.064	0.044
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	2	0.001	0.302	46.667	3.9375	0.1035	0.073	32.686	0.027
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	2	0.059	0.214	46.997	0	0	0.052	32.446	0.012
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	2	0	0.141	46.816	0	0	0.071	34.807	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	2	0.068	0.19	46.72	0	0	0.065	34.092	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	2	0.112	0.065	46.61	0.3671	0	0.062	34.282	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	2	0	0.06	47.056	0	0	0.037	34.961	0.03
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	2	0.025	0.079	45.378	1.4266	0	0.058	34.018	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	2	0	0.067	46.773	0	0	0.067	34.987	0.023
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	2	0.261	0.147	46.695	0	0	0.103	32.455	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	2	0.027	0.097	47.013	3.5619	0.0423	0	33.221	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	2	0	0.124	46.942	0	0	0.065	33.76	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	2	0.134	0.163	46.567	0	0	0.08	33.694	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	2	0	0.156	45.958	3.4252	0.0712	0.044	33.996	0.036
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	2	0.014	0.26	46.577	0.4552	0	0.056	33.569	0.029
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	2	0	0.059	45.422	0.3573	0	0.066	35.182	0.015
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	2	0	0.075	46.161	0	0	0.099	35.612	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	2	0	0	45.755	0	0	0.056	37.94	0.083
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	2	0	0	45.489	0	0	0.037	37.066	0.032
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	2	0	0.084	43.493	0.4597	0	0.041	32.72	0.032
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	2	0	0.055	46.731	2.176	0.0634	0.029	34.866	0.048
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	2	0	0.191	46.716	3.9464	0.0679	0.077	32.815	0.112
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	2	0	0.062	45.893	2.2638	0.0178	0.08	35.302	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	2	0	0.073	45.951	2.2638	0	0.027	34.976	0.004
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	2	0.048	0.119	46.266	2.4305	0.0289	0.058	34.966	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	2	0.155	0.459	45.816	3.0057	0	0.065	30.077	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	2	0.022	0.301	46.422	0.353	0	0.095	32.543	0.009
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	2	0	0.081	46.375	0.58	0	0.058	34.013	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	2	0	0.076	46.398	0.3519	0	0.079	33.51	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	2	0	0.059	46.612	0	0	0.027	35.123	0.029
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	2	0.151	0.112	45.685	2.6232	0	0.033	31.614	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	2	0	0.906	46.605	0	0	0.076	32.578	0.071
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	2	0.018	0.346	46.622	0	0	0.079	32.508	0.035
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	2	0	0.035	46.54	0	0	0.02	34.868	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	2	0	0.065	47.175	0	0	0.084	34.996	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	2	0	0.102	46.447	0	0	0.005	35.355	0.001
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	2	0.287	0.192	46.733	0	0	0.076	34.001	0.042

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	2	0	0.212	46.722	1.9742	0	0.074	32.781	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	2	0	0.106	46.829	0	0	0.028	34.939	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	2	0.224	0.122	45.952	0.3517	0	0.062	34.206	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	2	0	0.174	47.295	0	0	0.055	33.422	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	2	0.096	0.066	46.747	0	0	0.076	33.915	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	2	0.178	0.362	47.282	0	0	0.056	32.225	0.041
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	2	0.204	0.188	47.155	0	0	0.071	34.212	0.036
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	2	0.178	0.198	47.179	0	0	0.047	32.989	0.05
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	2	0.077	0.239	47.528	0	0	0.041	31.79	0.001
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	2	0	0.233	47.337	0	0	0.065	32.818	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	2	0.165	0.25	46.105	0.3574	0	0.028	34.514	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	2	0	0.022	46.652	0	0	0.041	34.609	0.065
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	2	0	0.083	46.415	1.2295	0	0.033	34.956	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	2	0	0.077	47.134	0	0	0.057	34.967	0.004
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	2	0	0.109	46.932	0	0	0.068	34.698	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	2	0	0.124	46.864	0	0	0.079	35.12	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	2	0.04	0.092	47.064	0	0	0.119	34.523	0.04
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	2	0.02	0.052	47.004	0	0	0.054	34.478	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	2	0	0.152	47.004	1.6291	0	0.05	33.405	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	2	0.022	0.088	46.734	1.703	0	0.048	33.294	0.027
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	2	0	0.039	46.948	0	0	0.089	35.194	0.026
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	2	0.117	0	45.544	0	0	0.058	37.328	0.003
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	2	0.015	0.1	47.261	0	0	0.081	33.4	0.03
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	2	0	0.272	47.3	0	0	0.048	31.711	0.001
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	2	0.025	0.278	47.213	0	0	0.068	33.276	0.078
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	2	0	0.216	46.767	3.6397	0.0668	0.051	33.136	0.078
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	2	0.036	0.241	46.684	0	0	0.053	34.166	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	2	0	0.112	47.281	0	0	0.057	34.147	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	2	0	0.263	47.344	0	0	0.052	33.981	0.001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	2	0	0.64	46.622	2.0674	0	0.08	30.773	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	2	0	0.321	46.468	0	0	0.023	34.963	0.019
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	2	0	0.326	46.305	0.3555	0	0.05	33.893	0.032
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	2	0	0.312	46.552	0	0	0.048	34.264	0.026
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	2	0	0.864	47.641	0	0	0.066	24.58	0.049
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	2	0	0.451	47.275	10.7871	0	0.062	22.383	0.004
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	2	0	0.365	47.656	10.128	0	0.019	22.327	0.04
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	2	0.15	0.262	47.756	2.3138	0	0.053	33.815	0.04
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	2	0.043	0.253	46.529	0	0	0.025	34.505	0.006
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	2	0.062	0.524	46.778	0	0	0.062	31.985	0.012
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	2	0.034	0.395	46.72	0.3467	0	0.043	32.878	0.019
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	2	0	0.392	46.061	2.4905	0	0.102	34.128	0.044
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	2	0.104	0.152	47.169	0	0	0.052	34.798	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	2	0.089	0.154	47.196	0	0	0.05	34.955	0.055
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	2	0.092	0.207	47.259	0	0	0.058	34.244	0.01
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	2	0.095	0.28	46.484	0	0	0.031	34.225	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	2	0.057	0.302	47.365	0	0	0.041	33.098	0.006
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	2	0.187	0.204	45.715	4.4976	0.1001	0.07	32.545	0.057
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	2	0.093	0.368	46.27	0	0	0.069	34.388	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	2	0.104	0.387	46.539	0.1263	0	0.06	33.611	0.081

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	2	0.014	0.343	46.324	0.7503	0	0.042	34.128	0.015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	2	0	0.259	46.741	0	0	0.085	34.128	0.053
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	2	0.092	0.307	46.811	0	0	0.063	33.959	0.039
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	2	0	0.286	45.983	0	0	0.061	35.125	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	2	0	0.263	46.14	2.4316	0.0267	0.089	34.818	0.07
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	2	0.007	0.434	45.962	2.7928	0.0545	0.02	34.296	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	2	0	0.343	46.072	2.5028	0.0545	0.017	34.642	0.035
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	2	0	0.332	46.299	0	0	0.072	34.155	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	2	0	0.542	46.734	0	0	0.043	34.763	0.017
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	2	0	0.543	46.89	0	0	0.051	33.761	0.066
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	2	0.018	0.198	46.66	0	0	0.032	34.206	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	2	0	0.263	46.529	0	0	0.021	34.979	0.092
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	2	0	0.374	46.903	0	0	0.08	34.822	0.032
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	2	0	0.248	46.542	0	0	0.041	35.546	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	2	0	0.17	46.911	0	0	0.064	35.175	0.07
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	2	0	0.436	47.331	0	0	0.075	35.638	0.055
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	2	0	0.428	43.681	1.4536	0	0.381	36.151	0.113
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	2	0	0.545	46.826	0	0	0.083	34.656	0.045
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	2	0	0.098	47.995	0	0	0.058	35.85	0.044
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	2	0.034	0.186	47.29	0	0	0.08	35.592	0.038
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	2	0	0.28	47.885	0	0	0.083	36.191	0.065
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	2	0	0.318	47.335	0	0	0.049	35.672	0.052
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	2	0.021	0.215	47.567	0	0	0.015	35.694	0.105
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	2	0	0.024	47.474	0	0	0.063	35.181	0.048
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	2	0	0.017	47.08	0	0	0.044	34.052	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	2	0	0.33	47.291	0	0	0.048	35.578	0.029
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	2	0	0.083	47.813	0	0	0.068	35.149	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	2	0.002	0.239	47.253	0	0	0.05	35.514	0.064
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	2	0	0.47	46.864	0	0	0.076	35.141	0.05
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	2	0	0.051	46.378	0	0	0.039	36.097	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	2	0	0.087	46.968	0	0	0.025	35.351	0.07
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	2	0	0.051	47.371	0	0	0.045	35.464	0.055
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	2	0	0	47.145	0	0	0.014	35.781	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	2	0	0.003	46.492	0	0	0.066	36.132	0.037
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	2	0	0	45.114	0.3602	0	0	36.015	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	2	0	0	44.898	1.357	0.0367	0	35.624	0.057
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	2	0	0	44.778	0.3616	0	0	36.322	0.08
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	2	0.009	0.026	47.692	0	0	0.091	35.581	0.016
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	2	0	0	47.443	0	0	0.033	35.443	0.001
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	2	0.026	0.014	46.899	0	0	0.067	35.639	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	2	0	0	46.983	0	0	0.065	35.175	0.004
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	2	0	0	47.191	0	0	0.044	34.79	0.006
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	2	0	0.016	46.775	0	0	0.032	34.786	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	2	0.101	0.043	45.926	0.3434	0	0.062	33.672	0.004
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	2	0	0.033	46.019	1.7946	0	0.063	33.408	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	2	0	0	46.203	1.3796	0	0.029	32.049	0.049
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	2	0.119	0	45.76	1.4566	0	0.04	31.846	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	2	0.137	0	48.01	0.3631	0	0.048	32.227	0.028
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	2	0.088	0	48.204	1.5209	0	0.025	31.332	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	2	0.12	0.024	45.916	0.4987	0	0.063	34.649	0.03
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	2	0.068	0	46.396	0.3685	0	0.094	34.433	0.058
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	2	0	0.03	45.796	0.3552	0	0.09	34.618	0.012
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	2	0.126	0.043	48.073	1.0663	0	0.048	28.455	0.034
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	2	0.179	0	47.81	1.3626	0	0.044	29.673	0.016
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	2	0.222	0.015	46.451	0.3745	0	0.042	34.773	0.06
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	2	0.043	0.022	47.145	0	0	0.033	34.328	0.054
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	2	0.075	0.041	47.309	0.3787	0	0.05	33.922	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	2	0.1	0.046	47.021	2.7773	0.1024	0.086	34.071	0.061
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	2	0	0.013	46.978	0.5096	0	0.074	34.201	0.057
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	2	0.021	0.068	47.123	1.8131	0	0	36.52	0.036
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	2	0	0.035	46.526	3.6319	0.1191	0.037	33.767	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	2	0.29	0.046	46.218	0	0	0.088	35.141	0.045
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	2	0.202	0.01	46.912	0	0	0.075	33.967	0.021
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	2	0	0.055	46.429	4.2309	0.1146	0.058	33.348	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	2	0	0.043	47.338	0.3859	0	0.057	34.592	0.028
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	2	0.07	0	46.648	2.9562	0.1769	0.074	34.244	0.051
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	2	0.103	0.035	46.839	0.4252	0	0.056	33.361	0.057
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	2	0.185	0.026	46.73	1.4998	0	0.064	33.121	0.013
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	2	0.074	0.025	47.393	2.5372	0.0957	0.017	34.159	0.021
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	2	0.067	0.025	47.172	2.5939	0.1079	0.091	35.49	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	2	0	0.02	46.649	0	0	0.048	35.063	0.028
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	2	0.091	0	46.695	0.4237	0	0.059	34.221	0.022
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	2	0.065	0.003	47.349	0	0	0.039	34.553	0.048
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	2	0.093	0.009	47.204	1.5748	0.197	0.005	34.782	0.022
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	2	0.066	0.017	49.509	2.1544	0	0.053	31.254	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	2	0.068	0.022	46.788	3.074	0.1113	0.018	34.127	0.012
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	2	0.005	0	46.794	3.0895	0.1269	0.06	34.038	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	2	0.124	0.036	47.322	0	0	0.083	34.166	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	2	0.014	0.002	47.697	0	0	0.089	34.615	0.036
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	2	0.062	0.005	46.92	0	0	0.038	35.048	0.031
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	2	0.011	0.008	46.905	0.3844	0	0.058	34.761	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	2	0	0.03	46.842	0	0	0.083	34.524	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	2	0	0.024	46.84	0	0	0.05	34.708	0.001
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	2	0.099	0.137	47.433	0.3715	0	0.021	33.918	0.006
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	2	0.032	0.176	47.391	0	0	0.05	33.085	0.003
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	2	0.054	0	49.816	1.4285	0	0.035	27.946	0.027
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	2	0.123	0.013	46.95	2.6839	0.0946	0.057	34.12	0.036
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	2	0.12	0.019	46.926	0.3666	0	0.048	33.717	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	2	0.155	0	48.391	1.1143	0	0.052	37.342	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	2	0.134	0.022	47.732	0	0	0.043	34.553	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	2	0	0.026	46.778	0	0	0.027	34.282	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	2	0.187	0	46.472	0	0	0.029	34.366	0.007
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	2	0.183	0	49.19	0.2833	0	0.042	33.653	0.048
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	2	0.172	0	48.833	0.3369	0	0.056	33.281	0.048
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	2	0.219	0	48.779	0.8987	0	0.048	34.551	0.006
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	2	0.247	0	48.608	0.3942	0	0.006	33.227	0.007
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	2	0.2	0	49.741	1.5438	0	0.014	30.615	0.062
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	2	0.041	0.002	48.754	1.4143	0	0.042	29.792	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	2	0	0	47.379	0	0	0.074	35.696	0.046
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	2	0.045	0	49.588	0.3856	0	0.017	31.942	0.072
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	2	0.097	0	49.514	0	0	0.081	33.136	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	2	0	0.072	47.252	2.535	0.2237	0.09	34.853	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	2	0.068	0.034	46.809	0	0	0.047	34.718	0.016
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	2	0.117	0.021	47.013	0	0	0.052	34.384	0.03
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	2	0.079	0.082	47.359	0	0	0.052	34.252	0.063
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	2	0.099	0.093	47.227	0	0	0.063	34.492	0.003
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	2	1.221	0	48.57	0.1378	0.2148	0.013	37.937	0.015
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	2	1.097	0	47.909	0.0856	0.2392	0.07	36.794	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	2	0.442	0	47.993	0.08	0.138	0.027	37.693	0.036
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	2	0.039	0.023	47.224	0	0	0.059	34.459	0.068
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	2	0.047	0.014	47.55	0	0	0.051	34.008	0.043
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	2	0.23	0.04	47.126	0	0	0.015	34.84	0.01
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	2	0.091	0.027	47.781	0.3896	0	0.008	34.225	0.1
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	2	0.088	0.027	46.519	0.3585	0	0.08	33.828	0.125
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	2	0.128	0.065	46.312	0.3773	0	0.072	35.178	0.016
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	2	0.005	0.003	46.604	0.3646	0	0.034	34.003	0.046
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	2	0.088	0.018	46.605	0.3672	0	0.025	34.228	0.024
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	2	0	0.025	47.362	2.6979	0	0.023	35.548	0.043
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	2	0	0.004	47.193	0	0	0.045	34.127	0.037
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	2	0	0.236	46.437	0	0	0.038	35.838	0.006
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	2	0.31	0	45.11	0.5601	0.0512	0.081	37.548	0.083
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	2	0.006	0	49.237	1.4511	0	0.061	32.5	0.018
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	2	0.087	0.051	47.044	0.3844	0	0.064	34.719	0.027
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	2	0	0.009	46.961	3.3518	0.1191	0.047	33.765	0.003
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	2	0.111	0.072	46.304	0.3714	0	0.072	34.957	0.004
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	2	0.052	0.004	46.034	0.4445	0.1614	0.059	38.316	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	2	0.056	0	46.025	0	0	0.054	37.533	0.007
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	2	0	0	45.849	0.0285	0	0.09	37.097	0.03
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	2	0.045	0	46.276	0.3759	0	0.028	35.481	0.048
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	2	0	0	47.927	1.5603	0	0.072	32.898	0.046
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	2	0	0.012	47.379	0	0	0.034	37.508	0.001
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	2	0.086	0	46.266	0	0	0.06	37.359	0.034
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	2	0.044	0	46.179	0	0	0	37.111	0.022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	2	0.026	0.002	47.345	0	0	0.043	36.246	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	2	0.043	0	47.4	0.3834	0	0.045	34.447	0.057
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	2	0.014	0	46.611	1.4212	0	0.048	32.873	0.086
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	2	0	0.008	48.896	0.3928	0	0.034	33.404	0.028
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	2	0	0	46.759	0	0	0.074	36.634	0.039
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	2	0.055	0	48.19	0.3616	0	0.057	32.19	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	2	0	0	46.591	0	0	0.059	37.313	0.018
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	2	0	0	46.448	0	0	0.053	37.429	0.015
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	2	0.023	0	47.384	0	0	0.015	35.586	0.043
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	2	0	0	46.738	0	0	0.06	36.238	0.039
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	2	0.016	0	47.485	0.3638	0	0.093	33.377	0.096
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	2	0.036	0.018	47.684	0.3366	0	0.074	36.453	0.021
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	2	0	0	46.93	0	0	0.06	37.434	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	2	0.056	0	46.355	0	0	0.055	36.899	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	2	0	0	47.789	0	0	0.052	36.012	0.022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	2	0.021	0	47.728	0	0	0.067	36.389	0.039
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	2	0.02	0	47.829	1.3514	0.1369	0.082	34.967	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	2	0	0.015	47.972	1.2623	0	0.062	36.547	0.043
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	2	0	0	47.592	0.4014	0	0.048	35.411	0.042
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	2	0	0.006	47.927	0.3674	0	0.059	33.051	0.036
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	2	0	0	46.995	0.3892	0	0.078	36.002	0.022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	2	0.014	0	47.588	0.3983	0	0.088	34.888	0.048
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	2	0	0.015	47.846	1.5181	0.1157	0.093	34.798	0.034
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	2	0	0	47.611	0	0	0.024	35.28	0.083
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	2	0	0.014	46.009	0.3684	0	0.047	35.169	0.033
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	2	0	0	46.87	0	0	0.046	36.078	0.033
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	2	0.077	0	46.909	0	0	0.059	37.093	0.021
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	2	0.013	0	47.669	0.7071	0	0.053	35.089	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	2	0.101	0	47.894	0	0	0.068	36.629	0.079
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	2	0	0	47.08	0	0	0.074	36.24	0.042
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	2	0	0.006	47.143	0	0	0.059	35.843	0.025
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	2	0.002	0	48.708	0.4063	0	0.029	33.931	0.022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	2	0.039	0	47.491	0.3944	0	0.043	34.925	0.045
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	2	0	0	48.304	1.6192	0.1369	0.062	34.298	0.048
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	2	0.009	0	46.872	0	0	0.084	37.392	0.01
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	2	0.103	0	46.937	0.0533	0.0089	0.043	38.508	0.07
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	2	0	0	46.352	0	0	0.043	38.005	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	2	0.083	0	46.587	0	0	0.06	37.693	0.003
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	2	0.093	0	46.487	0	0	0.1	37.812	0.022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	2	0.155	0	46.797	0	0	0.05	37.733	0.027
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	2	0.014	0	46.691	0	0	0.072	37.301	0.003
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	2	0.077	0.005	46.997	0	0	0.053	36.69	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	2	0	0.012	47.704	0	0	0.032	37.301	0.052
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	2	0.001	0	47.301	0	0	0.053	37.471	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	2	0.081	0	48.215	0	0	0.013	35.483	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	2	0.124	0.002	48.588	0.415	0	0.094	30.59	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	2	0	0.001	47.834	1.5666	0	0.055	32.744	0.079
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	2	0.103	0	47.807	0	0	0.043	35.561	0.027
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	2	0.1	0	46.111	0	0	0.041	37.092	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	2	0.24	0	47.053	0	0	0.032	37.542	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	2	0.2	0	47.165	0.0256	0.03	0.062	38.905	0.028
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	2	0	0	46.165	0	0	0.073	37.82	0.043
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	2	0	0	46.758	0	0	0.056	37.96	0.069
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	2	0.029	0	46.439	0	0	0.073	37.105	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	2	0.072	0	46.694	0	0	0.075	37.63	0.007
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	2	0.006	0.64	47.658	2.0053	0	0.079	34.215	0.01
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	2	0	0.386	47.016	0	0	0.038	34.704	0.019
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	2	0.018	0.454	46.808	0	0	0.061	34.516	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	2	0	0.337	47.025	1.8159	0.0211	0.043	34.005	0.042
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	2	0	0.274	47.597	1.5885	0	0.021	35.944	0.018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	2	0.035	0.797	46.865	0	0	0.017	34.202	0.042
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	2	0	0.387	47.177	0	0	0.033	34.526	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	2	0.152	0.515	47.417	0	0	0.019	33.956	0.024

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	2	0	0.443	47.081	0	0	0.022	34.417	0.007
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	2	0	0.409	47.43	1.8093	0.0389	0.066	35.048	0.094
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	2	0.028	0.433	46.891	1.7926	0.0111	0.052	34.321	0.024
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	2	0	0.406	47.406	0	0	0.069	34.072	0.053
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	2	0	0.375	46.939	0	0	0.013	34.657	0.043
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	2	0.083	0.372	47.359	0	0	0.064	34.894	0.062
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	2	0	0.38	47.209	0	0	0.045	35.227	0.047
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	2	0.062	0.489	47.029	1.6792	0.0089	0.05	33.943	0.015
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	2	0	0.413	47.372	0	0	0.078	34.045	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	2	0	0.478	47.528	0	0	0.02	34.15	0.025
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	2	0	0.483	46.847	1.6259	0	0.062	34.147	0.009
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	2	0	0.423	47.982	0	0	0.05	34.767	0.086
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	2	0	0.385	47.873	0	0	0.053	34.589	0.076
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	2	0	0.391	47.254	0	0	0.022	34.722	0.015
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	2	0	0.387	46.98	0	0	0.083	34.113	0.065
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	2	0	0.433	47.752	1.5568	0	0.111	35.228	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	2	0	0.435	47.013	0	0	0.051	34.492	0.071
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	2	0	0.391	46.917	0	0	0.042	34.521	0.07
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	2	0	0.417	48	1.5243	0	0.012	35.154	0.028
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	2	0	0.469	46.94	0	0	0.051	34.632	0.07
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	2	0.002	0.566	46.985	0	0	0.045	34.232	0.065
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	2	0	0.258	47.477	0	0	0.058	33.467	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	2	0	0.311	47.582	0	0	0.039	33.17	0.041
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	2	0	0.322	47.157	0	0	0.067	31.954	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	2	0	0.18	47.632	0	0	0.108	32.512	0.046
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	2	0.041	0.245	47.209	0	0	0	32.208	0.065
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	2	0.071	0.513	47.844	1.9868	0	0.025	34.739	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	2	0	0.432	47.601	1.9969	0	0.019	34.885	0.021
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	2	0	0.432	48.058	0	0	0.04	34.64	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	2	0.076	0.275	47.308	0	0	0.034	34.316	0.025
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	2	0	0.367	46.865	0	0	0.026	34.688	0.055
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	2	0.021	0.154	47	1.5567	0	0.039	35.988	0.08
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	2	0	0.12	46.971	1.189	0	0.074	35.823	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	2	0	0.218	46.845	0	0	0.029	34.823	0.003
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	2	0	0.252	47.119	0	0	0.04	34.462	0.003
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	2	0	0.605	47.191	0	0	0.046	33.983	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	2	0.023	0.22	47.801	1.6503	0	0.053	35.522	0.021
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	2	0	0.204	47.656	1.6556	0	0.057	35.729	0.049
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	2	0	0.312	46.785	0.3686	0	0.061	34.1	0.063
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	2	0	0.275	47.566	0	0	0.049	34.774	0.062
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	2	0	0.508	46.725	0	0	0.087	34.618	0.025
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	2	0	0.362	47.119	0	0	0.036	33.037	0.05
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	2	0	0.314	46.806	0	0	0.049	32.933	0.05
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	2	0	0.583	46.605	1.6144	0	0.102	36.113	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	2	0	0.542	46.903	1.528	0	0.082	36.279	0.052
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	2	0	0.347	47.146	0	0	0.034	34.842	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	2	0	0.641	46.922	0	0	0.048	35.18	0.024
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	2	0	0.313	47.467	0	0	0.004	34.494	0.004
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	2	0	0.609	47.269	1.625	0	0.083	35.853	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	2	0	0.617	47.442	1.686	0	0.068	35.857	0.003
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	2	0	0.57	46.787	2.106	0.0623	0.051	34.016	0.012
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	2	0	0.204	47.356	3.5608	0.059	0.053	33.908	0.006
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	2	0.044	0.179	47.832	3.573	0.0968	0.057	34.085	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	2	0	0.151	46.836	0	0	0.064	33.414	0.018
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	2	0.017	0.002	47.617	0	0	0.016	32.919	0.031
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	2	0.04	0	47.063	0	0	0.077	33.522	0.001
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	2	0.013	0	47.158	0	0	0.09	34.284	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	2	0.016	0.091	47.032	5.1533	0.1157	0.076	33.66	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	2	0.085	0	47.227	0	0	0.028	33.184	0.016
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	2	0	0	46.746	0	0	0.018	33.487	0.009
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	2	0	0.017	47.088	0	0	0.059	33.251	0.031
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	2	0	0.016	46.302	0	0	0.018	34.311	0.012
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	2	0	0.031	46.997	0	0	0.064	34.814	0.007
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	2	0.029	0.007	46.71	0	0	0.029	33.565	0.028
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	2	0	0.057	47.061	0	0	0.073	33.259	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	2	0	0.038	46.648	0	0	0.078	32.983	0.004
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	2	0	0.026	47.225	0	0	0.045	32.699	0.012
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	2	0.037	0	47.345	0	0	0.07	34.91	0.062
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	2	0	0.012	46.582	0	0	0.091	33.761	0.025
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	2	0.024	0	47.257	0	0	0.025	34.032	0.019
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	2	0	0	46.887	0	0	0.044	33.26	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	2	0	0	46.864	0	0	0.049	33.388	0.022
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	2	0.064	0.025	46.687	0	0	0.09	33.633	0.046
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	2	0	0.017	47.299	0	0	0.052	32.207	0.025
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	2	0	0.043	46.715	0	0	0.065	32.155	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	2	0	0.043	46.795	0	0	0.069	33.775	0.006
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	2	0	0.052	46.881	0	0	0.013	32.976	0.012
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	2	0.182	0.007	47.122	4.9822	0.1079	0.041	33.078	0.033
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	2	0.056	0	46.165	5.2678	0.1046	0.068	32.634	0.062
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	2	0	0	46.511	1.9632	0	0.022	32.92	0.071
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	2	0	0.047	47.316	0	0	0.102	32.569	0.021
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	2	0	0	47.235	0	0	0.043	33.911	0.044
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	2	0	0	47.055	0	0	0.088	34.438	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	2	0	0.028	46.957	0	0	0.122	33.982	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	2	0	0.056	47.549	0	0	0.078	33.074	0.007
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	2	0.048	0.01	48.111	4.9555	0.1068	0.02	33.168	0.035
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	2	0	0.006	47.482	0	0	0.055	33.444	0.018
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	2	0	0.004	47.167	0	0	0.035	33.593	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	2	0	0	47.187	0	0	0.057	33.242	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	2	0	0	47.333	6.1858	0.0757	0.061	31.897	0.075
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	2	0	0	46.573	0	0	0.069	33.448	0.065
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	2	0	0.051	46.235	2.2118	0	0.024	33.576	0.042
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	2	0.005	0.029	46.608	0	0	0.05	33.867	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	2	0	0.056	46.507	0	0	0.096	33.858	0.042
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	2	0.003	0.012	46.669	0	0	0.083	32.907	0.01
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	2	0	0.032	47.264	0	0	0.091	33.58	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	2	0	0.051	47.279	0	0	0.081	33.462	0.103
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	2	0	0.056	46.463	0	0	0.009	33.131	0.028

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	2	0	0.035	46.429	4.5621	0.0523	0.032	33.115	0.041
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	2	0	0.072	46.763	0	0	0.055	32.797	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	1.443	0.008	0.102	1.226	0	0	10.3	0.162
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	1.511	0.011	0.025	1.488	0	0	11.352	0.225
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	1.327	0.063	0.048	1.193	0	0	10.834	0.261
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	1.341	0	0.123	1.105	0	0	11.133	0.202
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	1.284	0.024	0.049	1.118	0.01	0	10.941	0.214
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	1.373	0	0.232	1.227	0	0	10.298	0.214
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	1.744	0.048	0.034	1.696	0	0	11.052	0.223
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0	0	0.26	0.93	0	0	11.263	0.247
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	1.328	0	0.128	1.222	0	0	11.15	0.221
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	1.347	0.013	0.078	0.905	0	0	11.257	0.168
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	0.835	0.027	0.052	1.124	0	0	8.96	1.375
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	0.5835	0.014	0.162	1.638	0.025	0	9.952	0.2
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	2.173	0.024	0.059	1.6	0	0	11.315	0.136
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	1.454	0.011	0.111	1.132	0	0	11.349	0.204
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	1.822	0	0.059	1.236	0	0	10.953	0.179
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	1.0956	0.031	0.098	1.166	0	0	7.857	0.09
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0	1.036	0.04	0.13	1.194	0	0	10.461	0.176
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	1.494	0.005	0.047	1.14	0.012	0	10.481	0.181
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	1.257	0	0.073	1.245	0	0	10.338	0.131
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	1.133	0	0.066	0.987	0	0	10.55	0.175
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	0.5903	0	0.094	1.082	0	0	9.942	0.15
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	0.3503	0	0.045	1.171	0	0	9.88	0.168
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	1.792	0.01	0.021	1.437	0	0	11.355	0.182
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	1.518	0	0.047	1.85	0	0	10.873	0.14
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	0.5617	0	0.116	1.206	0.006	0	9.583	0.151
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0	0	0	0.056	1.414	0	0	11.104	0.162
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0	0.784	0.019	0.058	0.997	0	0	10.996	0.175
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	0.202	0	0.161	1.49	0	0	9.366	0.13
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	1.191	0.017	0.179	1.02	0	0	10.814	0.245
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	2.062	0.013	0.113	1.452	0.035	0	10.59	0.184
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	1.29	0.018	0.302	1.004	0.029	0	10.861	0.215
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	0	0	0.136	0.961	0	0	10.415	0.206
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	1.356	0.024	0.208	1.01	0.036	0	10.223	0.158
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	1.23	0.039	0.121	0.87	0	0	11.197	0.216
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	1.367	0.019	0.064	1.186	0	0	11.091	0.217
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	0.1978	0.054	0.107	1.793	0	0	9.128	0.101
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	2.208	0.066	0.003	1.043	0	0	10.507	0.541
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	1.827	0.026	0.092	0.854	0	0	10.397	0.508
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	2.261	0.009	0.043	0.797	0	0	10.364	0.527
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	0	0	0.011	0.153	0	0	9.081	0.101
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	0.337	0	0.07	0.157	0	0	10.603	0.158
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0.4658	0.037	0.044	1.295	0	0	10.058	0.196
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	2.195	0.015	0.087	0.987	0	0	10.649	0.46
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	1.964	0.071	0.001	1.037	0	0	10.647	0.411
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	3.02	0.014	0.046	1.535	0	0	10.859	0.193
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	2.57	0.021	0.049	1.698	0	0	10.653	0.226
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	1.953	0	0.163	1.774	0	0	10.741	0.167
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	1.675	0.032	0.064	0.728	0	0	10.178	0.612
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	1.619	0	0.073	0.451	0.003	0	9.982	0.606

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	1.555	0.04	0.016	0.597	0	0	10.184	0.575
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	2.112	0.003	0.034	1.594	0	0	10.646	0.159
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	1.538	0.002	0.017	0.443	0	0	9.737	0.61
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	2.412	0.028	0.019	1.01	0	0	10.428	0.473
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	1.44	0.014	0.011	0.786	0	0	10.14	1.038
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	1.79	0.021	0.016	0.931	0	0	10.026	0.434
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	3.113	0.038	0.049	1.509	0.019	0	10.795	0.215
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	2.1302	0.075	0.034	1.252	0	0	10.972	0.156
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0.364	0.056	0.014	0.453	0	0	9.266	0.713
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	3.623	0.033	0.042	1.648	0	0	10.603	0.167
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	1.107	0.034	0	0.595	0	0	9.739	0.645
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	1.124	0.004	0.009	0.563	0	0	10.064	0.742
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	1.357	0.025	0.023	0.643	0	0	10.056	0.779
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	0.2127	0.046	0.029	0.522	0	0	9.103	0.504
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	1.451	0.021	0.006	0.854	0	0	10.53	0.273
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	2.459	0.083	0.011	1.101	0	0	10.398	0.158
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	1.288	0.018	0.029	0.553	0	0	9.888	0.686
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	1.31	0	0.023	0.545	0	0	9.84	0.709
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	0.133	0	0.023	0.622	0	0	9.522	0.551
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	1.003	0.015	0.013	0.624	0	0	10.047	0.703
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	1.04	0.05	0	0.61	0	0	10.102	0.744
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	1.235	0.022	0.012	0.576	0	0	10.046	0.68
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	1.002	0.039	0.007	0.576	0	0	10.061	0.685
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	1.084	0.013	0.097	0.532	0	0	9.638	0.623
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	1.355	0.006	0.031	0.618	0	0	9.816	0.687
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	1.071	0	0	0.539	0	0	10.06	0.699
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	1.667	0.045	0.017	0.508	0	0	9.97	0.699
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	1.4487	0.081	0.012	1.346	0.884	0	9.906	0.105
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	6.971	0.1	0.06	1.286	0.794	0	9.944	0.102
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	1.4763	0.125	0.041	1.216	0.761	0	9.993	0.119
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	0.2364	0.034	0.011	0.556	0	0	9.067	0.514
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	1.625	0.02	0.024	0.555	0	0	10.081	0.696
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	1.273	0.004	0.029	0.503	0	0	10.115	0.62
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	2.166	0.025	0.01	0.851	0	0	10.135	0.62
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	1.92	0.028	0	0.691	0	0	10.156	0.701
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	1.8423	0.112	0.014	1.239	0.576	0	10.239	0.096
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	1.3784	0.083	0.007	1.247	0.679	0	10.137	0.086
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	1.4196	0.097	0.03	1.275	0.552	0	10.181	0.103
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	3.635	0.015	0.004	0.795	0.063	0	10.282	0.151
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	3.301	0.043	0	0.744	0.037	0	10.69	0.185
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	3.125	0.067	0.002	0.7	0.009	0	10.754	0.147
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	0.4107	0.016	0	0.571	0	0	9.415	0.613
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	1.255	0.041	0.011	0.534	0	0	10.263	0.597
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0	0	0	0.534	0	0	9.934	0.697
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	0	0	0.016	0.604	0	0	10.183	0.478
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0	0.9602	0	0	0.627	0	0	9.846	0.714
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	1.687	0.035	0.004	0.593	0	0	9.914	0.705
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	1.7588	0.044	0.001	0.901	0	0	9.278	0.473
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	1.4194	0	0	0.526	0	0	9.841	0.695

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	1.9419	0.005	0.004	0.96	0	0	9.701	0.558
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0	2.2014	0.034	0.073	0.978	0	0	9.649	0.652
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0	7.1331	0.125	0.039	1.265	0.575	0	9.849	0.107
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0	6.684	0.111	0.01	1.281	0.587	0	9.947	0.098
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	6.0752	0.118	0.091	1.289	0.8	0	9.853	0.084
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	1.288	0.006	0.027	0.599	0	0	9.737	0.668
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	0.5629	0.014	0.006	0.563	0	0	10.009	0.701
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	1.334	0	0	0.733	0	0	10.016	0.668
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	1.209	0.002	0	0.663	0	0	9.995	0.682
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	1.251	0.051	0.007	0.541	0	0	9.95	0.68
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	0	0	0.026	1.073	0	0	8.473	0.061
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	0	0	0.001	0.666	0	0	9.573	0.173
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	1.062	0	0.013	1.55	0	0	10.833	0.17
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	0	0	0.017	0.658	0	0	10.097	0.302
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	0.1889	0.008	0.032	2.301	0	0	8.345	0.036
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	0.1191	0	0.046	2.511	0	0	9.984	0.054
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	0.2263	0	0.041	2.731	0	0	9.659	0.08
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	0.3425	0	0.025	2.599	0	0	9.93	0.082
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	0.0839	0	0.008	2.423	0	0	9.005	0.048
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	0.2345	0.038	0.006	2.535	0	0	9.939	0.045
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	0.0543	0.022	0.061	2.045	0	0	9.427	0.053
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	0.4034	0.039	0.049	2.289	0	0	9.485	0.108
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	0.2598	0	0.059	2.291	0	0	9.711	0.094
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	1.0725	0.024	0.093	2.252	0	0	10.638	0.183
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	0.3289	0.055	0.02	3.499	0	0	9.742	0.092
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	0.3078	0.021	0.068	3.277	0	0	9.594	0.077
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	0.899	0.035	0.07	2.034	0	0	10.395	0.157
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	0.0741	0.039	0.025	1.928	0	0	10.366	0.136
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	0.3931	0.039	0.033	3.993	0	0	8.427	0.065
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0	0.7123	0.024	0.024	4.892	0	0	8.245	0.104
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	0.1451	0	0.019	2.003	0	0	9.048	0.06
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	0.266	0.013	0.019	2.311	0	0	9.396	0.072
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	0.0939	0.009	0.025	2.449	0	0	9.996	0.053
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	0.2135	0.004	0.082	2.599	0	0	9.372	0.073
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	0.3606	0	0.016	0.301	0	0	9.238	0.66
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	0	0	0	0.397	0.027	0	10.316	0.554
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	0	0	0.02	0.373	0	0	10.105	0.599
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	0	0	0.004	0.433	0	0	11.046	0.174
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	0	0	0.013	0.394	0.041	0	11.17	0.194
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	0.2484	0	0.041	0.336	0	0	9.1	0.118
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	0.3394	0.062	0	0.496	0	0	9.2	0.595
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	1.883	0.055	0.042	0.472	0	0	9.935	0.742
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	0	0	0.006	0.323	0	0	10.155	0.749
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	1.0086	0.014	0.021	0.338	0	0	9.51	0.668
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0	0	0.025	0.337	0	0	9.772	0.823
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	0.2467	0.004	0	0.388	0	0	9.466	0.642
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	1.594	0.032	0.016	0.343	0.017	0	10.117	0.791
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	1.458	0	0.013	0.329	0	0	9.955	0.86
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	1.561	0.062	0.025	0.348	0	0	10.043	0.776

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	0.2234	0.061	0.008	0.395	0	0	9.504	0.578
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	2.026	0	0.003	0.429	0	0	10.212	0.666
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	2.425	0.029	0.024	0.417	0.003	0	10.048	0.721
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	3.531	0.011	0.019	0.486	0.026	0	10.714	0.347
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	1.619	0.037	0	0.332	0	0	10.135	0.8
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	0.2	0.005	0.036	0.272	0.014	0	9.874	0.183
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	1.011	0.014	0.015	0.262	0	0	10.903	0.254
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	1.186	0	0.016	0.227	0	0	11.01	0.228
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	1.656	0.018	0	0.427	0.008	0	9.74	0.737
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	1.615	0.057	0.022	0.362	0	0	10.083	0.821
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	0	0	0.294	0	0	10.221	0.843
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	1.836	0.034	0.007	0.398	0	0	9.91	0.817
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	1.498	0.009	0	0.332	0	0	10.597	0.618
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	1.22	0.022	0	0.344	0	0	10.305	0.207
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	1.054	0	0.002	0.318	0	0	10.922	0.254
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	1.5023	0.002	0.026	0.298	0.05	0	10.728	0.37
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0	0	0	0.117	0	0	10.875	0.485
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	1.1384	0.068	0	0.339	0	0	9.698	0.977
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	0	0.015	0.346	0	0	9.796	0.898
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0	0	0	0.01	0.368	0	0	9.677	0.968
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	1.3337	0.035	0.005	0.375	0	0	9.756	0.963
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	0.328	0.029	0.012	0.322	0	0	9.435	0.573
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	1.522	0.022	0.012	0.35	0	0	10.324	0.622
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	1.424	0.04	0.009	0.333	0	0	10	0.823
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	2.494	0	0.006	0.424	0.044	0	10.702	0.363
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	2.895	0.035	0.006	0.444	0.049	0	10.585	0.361
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	1.921	0.02	0	0.36	0.029	0	9.963	0.803
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	1.781	0.047	0.018	0.452	0	0	10.042	0.758
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	1.518	0.027	0	0.349	0.021	0	10.173	0.69
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	1.582	0.035	0.01	0.356	0	0	9.828	0.536
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	1.544	0.016	0	0.375	0	0	10.047	0.868
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	1.522	0.012	0	0.345	0	0	10.196	0.92
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	1.531	0.018	0.002	0.29	0	0	10.025	0.884
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	1.561	0	0.015	0.333	0	0	9.925	0.844
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	1.841	0.002	0	0.4	0	0	10.034	0.78
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	2.539	0.004	0.005	0.446	0	0	9.753	0.643
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	2.228	0.071	0	0.411	0	0	10.086	0.711
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	2.728	0.011	0	0.501	0	0	10.75	0.375
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	2.932	0.031	0.007	0.538	0	0	10.169	0.579
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	1.2021	0	0	0.324	0.028	0	10.129	0.801
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	0.2223	0.035	0.014	0.254	0.004	0	10.104	0.167
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	1.322	0.02	0	0.237	0	0	10.828	0.232
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	1.714	0.057	0.006	0.333	0.067	0	10.728	0.307
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	1.578	0	0	0.334	0	0	10.184	0.616
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	1.485	0.018	0	0.346	0	0	10.09	0.867
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	1.726	0.002	0.01	0.345	0	0	9.997	0.865
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	2.704	0.019	0	1.804	0.03	0	11.007	0.11
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	2.904	0	0.061	1.863	0	0	10.866	0.168
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	21.5	0.244	0.935	7.725	0	0	8.166	0.029

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	3.241	0.021	0.037	2.546	0	0	11.014	0.112
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0.7523	0.034	0.041	0.802	0	0	10.178	0.658
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0.979	0	0.033	0.766	0	0	10.364	0.447
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	1.179	0.009	0.025	1.013	0	0	10.034	0.402
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0.971	0	0.046	0.826	0	0	10.284	0.597
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0.1675	0.033	0.115	0.851	0	0	9.256	0.366
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	1.139	0.014	0.056	0.981	0	0	10.893	0.449
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0.1478	0.004	0.013	0.776	0	0	9.646	0.51
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0.904	0.017	0.019	0.728	0	0	10.416	0.619
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0.916	0.007	0.044	0.672	0	0	10.293	0.638
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	0.1731	0.066	0.033	2.117	0.026	0	9.975	0.124
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	2.88	0.077	0.014	2.417	0	0	11.19	0.091
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	2.552	0.093	0.022	2.267	0	0	11.055	0.105
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	1.339	0.037	0.004	1.191	0	0	10.601	0.302
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	1.202	0.007	0.021	1.066	0.055	0	10.94	0.282
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0.959	0.025	0.015	0.763	0	0	10.226	0.315
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	1.527	0.025	0.039	1.356	0	0	10.94	0.193
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0.974	0.001	0.052	0.719	0	0	10.428	0.688
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0.875	0.017	0	0.69	0	0	10.788	0.508
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	1.837	0.02	0	0.712	0	0	9.674	0.616
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	1.804	0.023	0	0.687	0	0	10.153	0.686
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0.663	0.06	0.036	0.088	0	0	10.603	0.27
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0.238	0.011	0.006	0.68	0	0	9.527	0.554
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0.895	0	0.006	0.698	0	0	10.548	0.539
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	1.3752	0.046	0.018	0.69	0	0	9.639	0.598
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0.891	0.017	0.135	0.437	0	0	9.758	0.573
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	1.714	0.004	0.001	0.716	0	0	10.132	0.688
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0.1469	0	0.034	0.625	0	0	9.436	0.548
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	2.348	0.043	0.006	1.489	0	0	11.2	0.177
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	2.07	0.035	0.012	1.464	0	0	10.778	0.14
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0.2979	0	0.018	1.722	0	0	9.972	0.189
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	1.015	0.016	0.012	0.679	0	0	10.558	0.604
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	1.538	0	0	1.343	0	0	11.178	0.237
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0.75	0.012	0	0.324	0	0	10.222	0.402
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0.746	0.037	0	0.311	0	0	10.852	0.399
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	1.424	0.032	0.02	0.565	0	0	10.184	0.656
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	1.633	0.071	0	0.582	0.012	0	9.898	0.556
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	1.116	0.003	0.013	1.009	0	0	11.014	0.479
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	1.854	0.044	0.021	0.721	0	0	10.116	0.824
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0.999	0.047	0	0.653	0	0	10.784	0.529
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	2.681	0.083	0.006	1.754	0	0	11.328	0.171
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	1.661	0.023	0.003	1.633	0	0	11.383	0.256
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0.174	0.022	0.018	0.014	0	0	10.539	0.315
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0.936	0.024	0	0.281	0	0	10.793	0.209
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0.379	0.064	0.005	0.098	0	0	11.115	0.255
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0.373	0.026	0.04	0.176	0	0	10.367	0.196
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	2.183	0.01	0.006	0.937	0	0	9.828	0.376
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	2.308	0.021	0.084	0.833	0	0	10.135	0.567
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	2.6978	0.039	0.059	0.747	0	0	10.19	0.501

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	1.772	0.05	0.007	0.452	0	0	10.24	0.71
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	0	0.024	0.639	0	0	9.941	0.604
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	1.803	0	0.002	0.705	0	0	9.87	0.515
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	0	0.007	0.883	0	0	10.436	0.689
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	2.3896	0.046	0.041	1.227	0	0	10.285	0.602
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	2.14	0	0.058	0.982	0	0	10.195	0.441
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	1.2777	0.046	0.025	0.483	0	0	9.721	1.135
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0.2514	0.027	0.036	0.592	0	0	9.134	0.531
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0	0	0.001	0.556	0	0	10.085	0.741
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	1.5999	0.014	0.078	0.645	0	0	10.465	0.591
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	1.164	0.01	0.024	0.55	0	0	9.951	0.774
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	2.201	0.033	0.027	0.736	0	0	10.102	0.578
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	1.7115	0.068	0.025	0.372	0.027	0	10.081	0.803
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	1.3993	0.041	0.02	0.381	0.046	0	10.007	0.791
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	1.9644	0.017	0.209	0.703	0	0	8.585	0.395
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	1.9723	0.018	0.085	0.554	0	0	10.311	0.562
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	1.529	0.01	0.028	0.883	0	0	9.835	0.559
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	1.791	0	0	0.612	0	0	10.044	0.818
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	1.978	0.05	0.017	0.718	0	0	10.228	0.333
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	2.109	0.053	0.03	0.638	0.012	0	10.265	0.595
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	2.242	0.114	0.032	0.844	0	0	10.528	0.513
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	1.577	0.011	0.067	0.403	0	0	10.284	0.813
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	2.167	0.032	0.103	0.974	0	0	10.727	0.319
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	2.192	0	0.041	0.952	0	0	9.672	0.47
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	1.7342	0.01	0.026	0.823	0	0	10.061	0.284
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	3.141	0.035	0.01	1.532	0	0	10.707	0.348
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	1.969	0.064	0	0.53	0.017	0	10.131	0.832
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	1.7036	0.064	0.041	1.463	0.02	0	9.74	0.231
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	0	0	0.04	1.143	0	0	8.675	0.273
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	2.4357	0.033	0.07	0.943	0	0	9.612	0.488
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	2.286	0.037	0.047	0.673	0	0	9.619	0.807
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	2.254	0.027	0.049	1.121	0	0	9.028	1.411
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	0.3466	0	0.106	0.376	0.016	0	8.16	0.404
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	1.1205	0	0.125	0.436	0	0	9.447	0.437
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	1.482	0.005	0.069	0.409	0	0	10.067	0.543
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	1.92	0	0.202	0.536	0	0	10.453	0.729
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	0	0.041	0.693	0	0	10.518	0.676
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	2.7273	0	0.109	1.153	0	0	8.43	0.288
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	1.775	0.045	0.089	1.052	0	0	10.482	0.236
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	0	0.072	1.061	0	0	9.606	0.42
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	0	0.092	1.295	0	0	10.648	0.473
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0.4811	0.105	0.048	0.037	0.041	0.575	8.921	0.071
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	1.2584	0.088	0.039	0.015	0.075	0.47	10.811	0.065
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0	0	0	0.013	0	0.085	0.512	10.29	0.196
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0.6578	0.087	0	0.028	0.084	0.571	9.991	0.036
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	0	0	0.025	0.022	0.071	0.643	10.561	0.072
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0.1661	0.094	0.006	0.02	0.022	0.578	10.223	0.391
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	7.4116	0.389	0.016	0.042	0.144	0.664	9.077	0.235
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	7.4426	0.453	0.012	0.012	0.049	0.714	9.721	0.347

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	5.0212	0.461	0.012	0.007	0.137	0.813	9.76	0.247
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	7.4142	0.512	0.007	0.021	0.136	0.71	9.85	0.239
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	7.7668	0.421	0.012	0.023	0.107	0.622	9.749	0.282
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	2.9693	0.11	0.016	0.036	0.079	0.853	10.264	0.039
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	7.2741	0.536	0.012	0.038	0.078	0.778	9.746	0.261
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	7.5508	0.494	0.016	0.001	0.203	0.97	9.902	0.139
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	6.1259	0.49	0.023	0.012	0.105	0.701	9.63	0.294
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	7.6471	0.437	0.011	0.022	0.068	0.458	8.76	0.227
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	7.4426	0.53	0.016	0.029	0.139	0.869	10.097	0.082
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	7.5112	0.52	0.006	0.102	0.077	0.564	9.683	0.123
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	7.0159	0.552	0	0.016	0.189	0.715	9.555	0.201
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	1.9301	0.334	0.044	0.033	0.087	0.498	10.081	0.169
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	6.5059	0.381	0.017	0.021	0.075	0.607	9.904	0.214
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	6.7979	0.538	0	0.001	0.112	1.03	9.808	0.113
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	2.7116	0.333	0.026	0.012	0.016	0.387	10.589	0.135
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	5.9263	0.447	0.022	0	0.123	0.602	9.709	0.15
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	4.9702	0.48	0.005	0.013	0.182	0.757	9.749	0.144
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	6.4605	0.435	0.022	0.022	0.124	0.529	9.77	0.135
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	5.0026	0.521	0.015	0.01	0.054	0.608	9.65	0.325
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	7.4842	0.431	0.015	0.023	0.016	0.832	9.722	0.12
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	5.2319	0.429	0.008	0.009	0.068	0.69	9.607	0.21
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	4.537	0.484	0.02	0.02	0.051	0.635	9.709	0.208
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	7.2895	0.414	0	0	0.124	0.792	9.678	0.209
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	6.755	0.661	0.061	0.038	0.059	0.441	9.796	0.195
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	7.0596	0.7	0.002	0	0.244	0.903	9.634	0.264
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	7.5918	0.699	0.008	0.004	0.225	0.843	9.698	0.209
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	6.0981	0.66	0.013	0.02	0.217	0.821	10.07	0.117
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	6.1297	0.667	0.009	0.009	0.127	0.67	9.933	0.145
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0	7.4282	0.521	0.019	0.034	0.136	0.699	9.856	0.241
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	7.088	0.458	0.016	0.037	0.15	0.751	9.648	0.146
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	7.103	0.481	0.005	0.052	0.079	0.689	9.874	0.231
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	4.1452	0.555	0.009	0.055	0.177	0.577	9.46	0.241
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	6.9489	0.414	0.026	0.04	0.149	0.829	9.872	0.118
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	7.2436	0.476	0.026	0.067	0.137	0.81	9.649	0.212
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	7.5055	0.425	0.032	0.067	0.058	0.572	9.771	0.243
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	2.744	0.08	0.01	0.017	0.004	0.22	10.016	0.253
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	1.9385	0.062	0	0.013	0.037	0.291	10.645	0.309
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	0	0	0.008	0.01	0	0.228	10.56	0.397
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	2.4773	0.092	0	0	0.013	0.439	10.522	0.146
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	1.6691	0.098	0	0.002	0	0.334	10.703	0.226
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	7.8905	0.183	0.011	0.016	0.13	0.843	10.041	0.107
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	4.5308	0.244	0.011	0.01	0.156	0.826	10.068	0.072
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	2.119	0.084	0.024	0.013	0.073	0.145	9.918	0.371
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	2.5104	0.056	0.013	0	0.048	0.481	10.411	0.235
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	2.21	0.084	0.011	0.014	0.051	0.285	10.384	0.314
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	2.048	0.018	0.013	0.02	0.034	0.163	10.162	0.313
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	2.831	0.101	0.024	0	0	0.238	10.17	0.411
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0	2.2311	0.081	0.009	0.02	0.011	0.355	10.414	0.311
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	2.017	0.029	0.023	0.015	0	0.214	10.353	0.323

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	2.782	0.12	0.002	0.008	0.009	0.226	10.293	0.404
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	0.2384	0.022	0.003	0.045	0.065	0.958	10.466	0.098
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	2.9021	0.092	0.035	0.022	0.081	0.758	10.426	0.076
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	2.701	0.094	0.001	0.002	0.05	0.379	10.191	0.341
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	3.0297	0.043	0.02	0.016	0.087	1.063	10.107	0.068
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0.4004	0.075	0.02	0.021	0.103	0.911	10.122	0.082
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	2.6157	0.069	0.027	0.053	0.09	0.532	9.792	0.089
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	2.6761	0.035	0.021	0.035	0.102	0.651	9.425	0.148
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	1.5486	0.054	0.019	0.02	0.038	0.221	9.923	0.44
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	4.0145	0.054	0.02	0.039	0.064	0.765	10.204	0.076
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	4.0075	0.088	0.012	0.016	0.102	0.834	10.145	0.079
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	3.6599	0.088	0.017	0.028	0.115	0.838	10.373	0.096
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0	0	0	0.019	0.02	0	0.287	9.256	0.258
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	1.8674	0.068	0.029	0.02	0.019	0.17	10.207	0.461
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	2.5788	0.025	0.016	0.043	0.083	0.284	9.282	0.392
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	3.034	0.101	0	0.05	0.118	0.714	10.13	0.066
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0	0	0	0	0.045	0.097	0.776	10.899	0.091
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	2.7705	0.081	0.008	0.054	0.083	0.843	10.291	0.1
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	3.2691	0.086	0.018	0.039	0.114	0.761	10.303	0.082
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	0.7751	0.136	0.042	0.04	0.04	0.951	10.096	0.117
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	0	0	0.007	0	0.048	0.394	9.301	0.299
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	2.1383	0.083	0.013	0.007	0.026	0.518	10.173	0.334
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	0.2586	0.052	0.035	0.02	0	0.13	9.408	0.355
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	1.586	0.029	0.012	0	0.044	0.138	10.525	0.541
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	1.071	0.053	0	0	0.016	0.138	10.409	0.501
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	1.372	0.049	0	0.009	0.004	0.123	10.237	0.631
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	1.598	0.028	0.033	0.017	0	0.328	10.122	0.678
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	0	0	0.023	0.028	0.019	0.186	10.212	0.53
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	1.441	0.063	0.017	0.007	0.012	0.13	9.736	0.55
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	1.193	0.037	0.025	0	0.012	0.046	10.411	0.654
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	0.971	0.006	0.001	0	0	0.04	10.478	0.601
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	1.154	0.07	0.011	0	0	0.138	9.75	0.536
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	1.734	0	0.004	0.032	0.047	0.16	10.594	0.463
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	1.186	0.029	0	0	0.016	0.145	10.142	0.703
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	1.663	0.055	0.008	0.026	0	0.21	10.613	0.447
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	1.283	0.028	0.006	0.017	0	0.066	10.24	0.574
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0	0.254	0.065	0.004	0.006	0.007	0.14	9.57	0.418
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	1.3041	0.292	0.087	0.033	0.016	0.082	10.046	0.577
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	1.209	0.057	0.007	0.018	0	0.036	10.53	0.607
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	1.893	0.063	0.031	0.042	0	0.164	9.902	0.421
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	1.0046	0.59	0.123	0.098	0.005	0.355	9.872	0.258
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	1.419	0.024	0.003	0.025	0.002	0.12	10.176	0.316
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	1.88	0.063	0.001	0.069	0	0.036	10.274	0.372
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	2.047	0.052	0.003	0.046	0	0.112	10.842	0.308
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	1.442	0.068	0.016	0.018	0.005	0.128	10.577	0.588
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	1.365	0.072	0	0.018	0	0.071	10.47	0.529
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	0.2495	0.038	0	0.017	0.029	0.074	9.445	0.53
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	1.262	0.07	0.051	0.025	0	0.127	10.308	0.594
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	1.462	0.055	0.005	0	0.026	0.215	10.465	0.622

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	1.442	0.002	0.019	0.016	0	0.2	10.31	0.66
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	1.262	0.031	0.004	0	0.006	0.224	10.209	0.532
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	0.1881	0.094	0.017	0.039	0.031	0.183	9.25	0.273
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	2.29	0.05	0.001	0.064	0.051	0.288	10.294	0.351
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	2.388	0.041	0.003	0.051	0.034	0.232	10.138	0.258
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	0.2847	0.071	0.008	0.054	0	0.13	8.999	0.307
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	1.342	0.046	0	0.02	0	0.176	10.421	0.581
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	1.175	0.065	0	0	0	0.179	10.422	0.574
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	1.391	0.061	0.013	0.005	0	0.133	10.181	0.631
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	1.531	0.035	0	0.016	0	0.129	10.343	0.599
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	2.513	0.08	0	0.296	0	0	9.839	0.702
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	2.764	0.042	0.004	0.278	0	0	10.066	0.752
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	2.363	0.068	0.001	0.352	0.012	0	10.251	0.658
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	2.503	0.081	0.004	0.279	0	0	10.122	0.733
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	2.439	0.076	0.011	0.278	0	0	10.018	0.715
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	0.3265	0.065	0.011	0.281	0	0	9.307	0.533
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	2.568	0.054	0.037	0.316	0	0	10.036	0.689
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	2.261	0.045	0.005	0.322	0.015	0	10.081	0.671
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0	0	0	0	0.511	0	0	9.721	0.287
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0	0	0	0.022	0.447	0	0	10.552	0.337
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	2.383	0.077	0	0.385	0	0	10.002	0.554
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	2.474	0.06	0.003	0.674	0	0	10.354	0.597
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0	0	0	0.016	0.265	0	0	9.876	0.64
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	2.164	0.059	0.022	0.535	0	0	10.46	0.418
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	2.659	0.037	0.008	0.653	0	0	10.048	0.675
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	2.2978	0.091	0.012	0.51	0	0	10.072	0.71
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	0.1917	0.08	0.086	0.191	0.013	0	9.115	0.504
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	1.217	0.095	0.014	0.154	0	0	10.421	0.505
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	1.758	0.06	0.018	0.162	0	0	10.165	0.698
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0	0.9958	0.035	0.063	0.135	0.011	0	10.224	0.406
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	1.518	0.057	0.019	0.153	0.002	0	9.779	0.678
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	1.341	0.055	0.036	0.102	0.04	0	9.869	0.722
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0	2.1042	0.035	0.136	0.608	0	0	8.598	0.341
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	2.556	0.067	0.023	0.656	0	0	10.223	0.548
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0	0	0	0.131	0.54	0	0	9.576	0.442
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	2.232	0.039	0.002	0.49	0.002	0	10.161	0.516
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	1.927	0.04	0	0.387	0.025	0	10.412	0.438
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0	0.4714	0.073	0.06	1.106	0	0	9.357	0.299
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	2.089	0.065	0.057	0.835	0	0	10.571	0.272
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	1.917	0.056	0.034	0.681	0	0	10.564	0.257
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	2.489	0.027	0.041	0.965	0	0	10.506	0.209
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	3.222	0.049	0.028	1.253	0	0	10.401	0.416
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0	0	0	0.027	0.932	0	0	9.868	0.182
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	3.021	0.08	0.037	0.937	0	0	10.797	0.178
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0	0.8652	0.022	0.044	0.73	0	0	9.871	0.679
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0	1.8586	0.071	0.052	0.684	0	0	10.639	0.301
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0	0	0	0	0.625	0	0	10.589	0.31
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0	0	0	0.01	0.623	0	0	10.625	0.44
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	2.561	0.035	0	0.564	0	0	10.418	0.627

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0	0	0	0	0.511	0	0	10.241	0.608
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	2.482	0.114	0.011	0.543	0	0	10.171	0.705
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0	0	0	0.034	0.649	0	0	9.565	0.296
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	3.196	0.059	0.039	0.691	0	0	10.608	0.421
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	3.062	0.046	0.008	0.521	0	0	10.905	0.264
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	0	0	0.051	0.577	0	0	10.079	0.608
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0	2.3517	0.107	0.002	0.719	0	0	10.226	0.509
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	3.642	0.121	0	1.136	0	0	9.911	0.42
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	3.104	0.098	0	1.086	0	0	10.887	0.387
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	0.8889	0.098	0.029	1.925	0	0	10.824	0.173
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	1.2934	0.096	0.003	0.963	0	0	10.358	0.423
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	3.423	0.119	0.006	1.035	0	0	10.931	0.234
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	3.696	0.056	0.006	0.238	0	0	10.527	0.474
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	0	0	0.021	0.211	0	0	10.869	0.443
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	4.037	0.077	0.007	0.222	0	0	10.612	0.609
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	2.728	0.045	0.02	0.157	0.006	0	10.809	0.602
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	3.106	0.041	0.025	0.207	0	0	10.578	0.638
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0	1.5527	0.004	0.01	0.288	0.004	0	10.025	0.848
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	2.003	0.044	0.009	0.317	0	0	10.427	0.86
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0.7223	0.05	0.01	0.339	0	0	9.966	0.72
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	1.982	0.024	0.013	0.3	0	0	10.106	0.764
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	0	3.881	0.043	0.028	0.248	0.04	0	10.673	0.499
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	0	0	0	0.027	0.233	0.022	0	11.022	0.467
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	2.62	0.047	0.026	0.165	0	0	10.843	0.389
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	2.927	0.047	0.039	0.176	0	0	10.584	0.579
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0	0	0	0.054	0.215	0	0	10.527	0.6
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	2.5074	0.052	0.011	0.196	0	0	10.612	0.66
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	1.5655	0.045	0.017	0.24	0	0	10.283	0.717
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	1.869	0.062	0	0.251	0	0	10.526	0.71
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	0.132	0	0.004	0	0.022	0	10.831	0.536
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0.478	0	0.006	0.006	0	0	10.997	0.442
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	1.7073	0	0.026	0.258	0	0	9.984	0.549
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	0	0	0.01	0.255	0	0	10.666	0.79
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0	0	0	0	0.216	0.009	0	10.492	0.52
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	0	0	0.076	0.279	0	0	10.224	0.81
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	0.308	0.065	0	0.295	0.002	0	10.463	0.834
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	0	0	0.017	0.195	0	0	10.626	0.807
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	2.6284	0.065	0.016	0.257	0	0	9.833	0.485
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0	3.0134	0.055	0.02	0.233	0	0	10.058	0.696
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	1.7332	0.042	0.016	0.258	0.007	0	10.289	0.862
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	2.2684	0.057	0.014	0.367	0	0	10.141	0.847
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	2.286	0.031	0.009	0.231	0	0	10.406	0.797
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	2.0776	0.11	0.027	0.2	0	0	9.658	0.391
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	3.727	0.069	0	0.206	0	0	10.676	0.456
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	3.877	0.084	0	0.258	0	0.057	10.683	0.471
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	2.384	0.056	0	0.211	0	0	10.247	0.611
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	1.924	0.047	0.006	0.299	0	0	10.288	0.837
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	1.994	0.065	0	0.313	0	0	10.131	0.851
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	2.494	0.063	0.014	0.132	0.027	0	10.614	0.619

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	1.8346	0.074	0.011	0.215	0	0	10.333	0.541
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	2.046	0.07	0.013	0.187	0.009	0	9.961	0.803
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	2.1356	0.013	0.009	0.144	0	0	10.034	0.608
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	3.401	0.048	0.003	0.228	0	0	10.483	0.377
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	3.032	0.043	0.008	0.181	0	0	10.6	0.626
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	4.144	0.072	0.02	0.243	0	0	10.524	0.649
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	2.665	0.024	0	0.133	0.027	0	11.131	0.38
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	3.553	0.052	0.008	0.185	0	0	10.732	0.549
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	4.788	0.097	0.01	0.279	0	0	10.486	0.581
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	3.747	0.086	0.013	0.232	0	0	10.778	0.571
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	1.8864	0.036	0.03	0.14	0	0	9.74	0.638
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	2.812	0.077	0	0.161	0	0	10.314	0.653
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	1.1746	0.025	0.003	0.177	0	0	10.655	0.72
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	2.219	0.029	0.006	0.382	0	0	10.346	0.805
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	2.602	0.082	0.008	0.298	0	0	10.319	0.831
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	2.386	0.006	0.003	0.202	0	0	10.341	0.789
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	2.717	0.09	0.009	0.21	0	0	10.278	0.837
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	2.189	0.029	0	0.181	0.012	0	10.479	0.693
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	1.4471	0.059	0	0.186	0	0	10.886	0.533
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	1.9606	0.065	0	0.171	0.054	0	10.736	0.6
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	1.921	0.035	0.01	0.251	0	0	10.178	0.754
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0.643	0.044	0	0	0	0	10.664	0.622
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	3.604	0.079	0.005	0.193	0	0	10.625	0.469
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	4.44	0.102	0.004	0.263	0	0	10.489	0.646
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	3.22	0.051	0.002	0.171	0	0	10.804	0.535
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	0	0	0.648	0.186	0	0	10.545	0.503
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	2.651	0.037	0.021	0.509	0	0	10.343	0.764
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	2.275	0.023	0.019	0.506	0	0	10.764	0.604
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	2.311	0.036	0	0.589	0	0	10.725	0.671
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	3.3707	0	0.004	0.647	0	0	11.166	0.244
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	2.181	0.071	0	0.633	0	0	9.77	0.668
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	1.8471	0.028	0	0.671	0	0	10.129	0.717
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	2.232	0	0.015	0.6	0	0	10.21	0.735
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	10.61	0.017	0	1.058	0	0	10.887	0.046
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	2.2066	0.055	0.016	1.266	0.02	0	10.907	0.068
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	3.0608	0.031	0	1.084	0.095	0	10.735	0.041
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	0	0	0.028	0.502	0	0	9.448	0.663
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	2.539	0.082	0.009	0.549	0	0	10.722	0.603
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	4.081	0.018	0.01	0.815	0	0	10.723	0.548
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	1.921	0	0	0.591	0	0	10.418	0.752
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	0	0.009	0.58	0	0	10.442	0.856
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	2.534	0.011	0	0.624	0	0	10.156	0.725
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	2.213	0.027	0.016	0.546	0	0	10.463	0.778
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	2.619	0	0.001	0.619	0	0	10.692	0.681
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	2.603	0.043	0.021	0.6	0	0	10.468	0.511
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	3.557	0.039	0.045	0.528	0	0	11.11	0.258
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0	0	0.024	0.619	0	0	10.962	0.416
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	3.162	0.043	0.005	0.56	0	0	10.866	0.414
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	3.2294	0.074	0	0.66	0.003	0	10.787	0.597

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	2.4479	0.013	0.018	0.587	0	0	10.795	0.607
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	2.396	0.018	0.006	0.568	0	0	10.517	0.727
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	2.724	0.031	0.013	0.602	0	0	10.687	0.646
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	2.027	0.025	0	0.515	0	0	10.566	0.647
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0	0.02	0.509	0	0	10.815	0.626
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0	0.011	0.596	0	0	10.693	0.752
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	0	0.004	0.598	0	0	10.629	0.741
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	2.473	0.074	0	0.65	0	0	10.492	0.767
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	2.431	0.006	0	0.533	0	0	10.493	0.634
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	2.812	0.036	0.002	0.552	0	0	10.841	0.517
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	2.979	0.034	0.002	0.579	0.016	0	10.224	0.735
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	2.068	0.02	0	0.456	0	0	10.646	0.663
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	2.183	0	0.003	0.588	0	0	10.39	0.756
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	1.226	0.002	0.001	0.568	0	0	10.343	0.714
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	1.348	0	0.016	0.608	0	0	10.415	0.782
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	1.279	0.029	0.01	0.63	0	0	10.609	0.426
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0.268	0.007	0.158	0.521	0	0	9.809	0.629
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	1.417	0.014	0	0.671	0	0	10.649	0.492
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	1.229	0	0.016	0.615	0	0	10.097	0.583
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	1.21	0	0.02	0.616	0	0	10.738	0.7
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	1.191	0	0.001	0.542	0	0	10.417	0.521
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	1.188	0	0.03	0.535	0	0	10.826	0.558
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	1.293	0.027	0.025	0.604	0	0	10.58	0.705
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	1.323	0	0.013	0.638	0.01	0	10.678	0.574
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	2.402	0.04	0.113	1.099	0	0	10.066	0.594
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	1.205	0.03	0.01	0.523	0	0	10.458	0.696
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	1.205	0.012	0.009	0.65	0	0	10.783	0.557
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	1.234	0.022	0.033	0.573	0	0	10.575	0.775
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	1.274	0	0.01	0.605	0	0	10.687	0.684
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	1.344	0.013	0.025	0.602	0.028	0	10.184	0.671
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	1.487	0.034	0.007	0.637	0	0	10.677	0.63
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	1.439	0	0.01	0.596	0	0	10.689	0.665
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	1.182	0.005	0.014	0.618	0	0	10.52	0.618
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	1.311	0.009	0.015	0.574	0.019	0	10.535	0.733
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0.9469	0	0	0.628	0	0	10.168	0.765
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	0	0.003	0.636	0	0	10.262	0.697
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	1.1636	0.008	0.002	0.588	0	0	10.014	0.853
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	1.308	0.038	0.004	0.646	0.038	0	10.555	0.559
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	1.358	0.03	0.044	0.655	0.043	0	10.742	0.559
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	1.467	0.048	0	0.576	0	0	10.567	0.676
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	1.415	0.032	0.007	0.609	0.014	0	10.476	0.679
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	1.269	0	0	0.593	0	0	10.528	0.63
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	2.771	0.098	0	0.08	0	0	9.863	0.558
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	2.461	0.14	0.009	0.006	0	0	10.255	0.608
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	1.9732	0.106	0.004	0.11	0	0	10.253	0.654
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	2.1706	0.139	0.02	0.018	0	0.029	10.165	0.559
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	2.4504	0.193	0	0.046	0	0.011	10.05	0.523
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	1.9433	0.633	0.009	0.016	0.066	0.147	9.885	0.088
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0.6104	0.517	0.005	0.03	0	0.167	10.678	0.107

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	2.6323	0.151	0.019	0.073	0	0.043	9.545	0.466
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	2.1104	0.114	0.032	0.026	0.011	0	10.239	0.337
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	1.8474	0.099	0.001	0.044	0	0	10.307	0.61
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	2.1145	0.771	0	0.002	0.029	0.29	10.56	0.074
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	1.5669	0.699	0.005	0.018	0	0.267	10.744	0.115
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	2.082	0.144	0.049	0.048	0.025	0	9.645	0.495
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	2.41	0.091	0.069	0.026	0	0.013	10.097	0.671
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	1.8053	0.119	0.025	0.063	0	0	10.292	0.419
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0	0	0.06	0.03	0.01	0	10.196	0.592
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	1.9865	0.113	0.056	0.04	0	0	10.062	0.573
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0.2145	0.084	0.032	0.066	0	0	9.679	0.517
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0	0	0	0.123	0.035	0	10.197	0.67
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	2.316	0.11	0	0.05	0	0	10.147	0.69
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	2.918	0.086	0	0.091	0	0	10.066	0.646
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	0	0.029	0.172	0.027	0	10.161	0.672
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	1.9947	0.12	0.014	0.036	0.028	0	9.325	0.446
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	0	0.047	0.027	0	0	10.12	0.561
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	2.4574	0.152	0.015	0.046	0	0	10.174	0.563
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0.7785	0.141	0.067	0.052	0	0.038	10.156	0.52
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0	0	0.016	0.067	0	0	10.184	0.434
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	0	0.019	0.027	0	0	9.203	0.473
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	2.489	0.061	0.006	0.069	0	0	10.142	0.708
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	2.1228	0.135	0.016	0.033	0.012	0	10.065	0.551
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	2.488	0.109	0.02	0.039	0.014	0	10.196	0.525
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	0	0.007	0.018	0	0	10.566	0.277
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0.9425	0.654	0.007	0.02	0.039	0.104	9.644	0.066
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	0	0	0.032	0.001	0	10.252	0.62
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0	0	0.008	0.03	0.006	0.087	10.164	0.609
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	3.217	0.161	0.019	0.043	0	0.025	9.82	0.47
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	2.03	0.127	0.028	0.019	0	0	10.264	0.432
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	1.955	0.123	0.01	0.027	0.009	0	10.259	0.519
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	1.1711	0.205	0	0.028	0	0	10.576	0.357
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	2.899	0.113	0.024	0.076	0.012	0	10.037	0.612
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	2.178	0.113	0	0.074	0	0	10.545	0.429
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	1.8207	0.208	0.013	0.23	0	0	9.349	0.269
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	3.191	0.028	0.03	0.384	0.019	0	10.208	0.586
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	1.2427	0.806	0.021	0.034	0.032	0.4	10.365	0.329
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	0	0.007	0.034	0.027	0	10.274	0.56
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	2.1341	0.081	0.016	0.017	0.009	0	10.206	0.53
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0.1244	0.119	0.014	0.074	0.054	0	8.816	0.045
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	1.676	0.151	0.009	0.057	0	0	10.558	0.323
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	2.979	0.071	0.008	0.058	0	0	10.361	0.644
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	2.907	0.137	0	0.026	0.055	0	10.135	0.622
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	0.7991	0.074	0.057	0.52	0.03	0	9.486	0.04
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	0.8138	0.086	0.045	0.614	0.01	0	9.863	0.063
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0.1084	0.096	0.018	0.349	0.019	0	10.226	0.055
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	1.3053	0.08	0.03	0.437	0.004	0	10.254	0.04
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0.1029	0.052	0.113	0.648	0.011	0	9.794	0.043
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0.8594	0.26	0.023	0.226	0	0.205	10.676	0.089

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0.653	0.072	0.011	0.052	0	0.013	10.798	0.18
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	0.98	0.146	0.072	0.4	0.068	0	10.01	0.049
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	1	0.146	0.018	0.182	0.189	0.223	10.363	0.093
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0	0	0	0.02	0.057	0	0	9.95	0.213
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	2.385	0.126	0.01	0.043	0.058	0	10.234	0.525
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	2.482	0.123	0.021	0.032	0.006	0.075	10.317	0.505
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	2.588	0.039	0	0.121	0	0	10.098	0.591
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	2.639	0.08	0.008	0.103	0	0	9.992	0.591
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	0	0	0.03	0.005	0.042	0	8.357	0.012
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	0	0	0	0	0	9.171	0.036
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	0	0	0.015	0.023	0.012	0	9.512	0.069
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	2.738	0.112	0.035	0.02	0.015	0	9.998	0.595
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	2.881	0.186	0.029	0.017	0.009	0.035	10.014	0.584
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	2.542	0.086	0.033	0.035	0	0	10.072	0.547
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	1.9584	0.168	0.068	0.109	0	0	9.201	0.342
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	2.2124	0.115	0.096	0.202	0.001	0	9.925	0.501
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	1.5565	0.097	0.038	0.13	0	0	9.92	0.656
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	2.1689	0.072	0.001	0.038	0.018	0	10.172	0.64
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	2.0766	0.06	0.006	0.033	0.034	0	10.001	0.584
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0.3924	0.114	0.009	0.025	0	0	9.397	0.463
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	2.97	0.137	0.029	0.072	0.018	0	10.285	0.463
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	1.344	0.01	0.026	0.501	0	0	10.114	0.83
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0	0	0.126	0.94	0	0	6.446	0.028
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	0.3982	0.218	0.022	0.252	0.039	0.014	10.631	0.141
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	1.7971	0.112	0.057	0.078	0	0	9.737	0.366
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	0	0	0.009	0.076	0.043	0	10.246	0.635
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	1.4838	0.1	0.045	0.173	0.028	0	10.033	0.515
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	0	0	0.005	0	0.006	0	10.054	0.176
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	0.28	0.083	0	0	0.031	0	10.592	0.242
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0.4624	0.128	0.01	0	0	0	10.861	0.146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	1.0848	0.141	0.039	0.019	0	0	10.253	0.143
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0.506	0.177	0.015	0.037	0.022	0	9.694	0.117
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	0.064	0.026	0.011	0	0.025	0.083	9.783	0.185
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0.183	0.028	0.039	0.03	0.038	0.138	10.572	0.168
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0.28	0.029	0.028	0.008	0.037	0.065	10.488	0.155
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0.338	0.066	0.005	0.004	0.04	0.048	10.356	0.131
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	1.042	0.148	0.006	0.024	0	0	10.354	0.162
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0.4502	0.231	0.054	0.039	0	0	10.238	0.209
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	1.2136	0.178	0.002	0.051	0.074	0.014	9.395	0.112
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	0.56	0.038	0.016	0.013	0.003	0	10.41	0.178
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	1.6396	0.175	0	0.015	0.048	0.064	10.366	0.189
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0.1	0.068	0	0	0	0	10.295	0.32
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0.077	0.038	0	0	0.038	0	10.518	0.435
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0.903	0.101	0	0.004	0.013	0	10.752	0.184
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0.343	0.134	0	0.006	0	0	10.705	0.214
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0	1.2396	0.152	0.059	0.053	0.051	0.164	9.993	0.29
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0	0.3281	0.123	0	0	0.002	0	9.886	0.19
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0.1	0.065	0.011	0	0.005	0	10.501	0.252
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	0.5	0.09	0.027	0	0	0	10.366	0.237

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0.338	0.076	0.012	0.007	0.037	0.055	10.395	0.224
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	0.346	0.085	0	0.001	0	0	10.831	0.188
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0	0	0	0	0.01	0.062	0	10.302	0.146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	0.2392	0.087	0.022	0.005	0	0	9.71	0.143
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	1.0128	0.089	0.029	0.026	0	0	9.582	0.146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	1.4584	0.216	0.032	0.09	0	0	10.121	0.179
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0.9428	0.086	0.024	0.047	0	0	9.042	0.127
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	1.2306	0.134	0.018	0.032	0.026	0	10.014	0.146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	0	0	0	0.072	0	0	10.163	0.161
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	1.133	0.118	0.022	0.044	0.025	0	10.609	0.146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0	1.0995	0.172	0.003	0.034	0	0	10.789	0.208
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	1.108	0.104	0.009	0.009	0.041	0	10.642	0.206
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	0.168	0.058	0.017	0	0.045	0	10.754	0.193
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	0.5068	0.103	0.006	0.047	0	0	10.562	0.161
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	0.145	0.055	0.016	0.012	0.055	0	9.713	0.143
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	0.827	0.071	0.073	0.059	0.012	0	10.491	0.162
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	1.471	0.139	0.021	0	0	0	10.479	0.206
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	1.1454	0.176	0.037	0.055	0	0	9.852	0.127
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	1.0971	0.12	0.046	0.066	0.04	0	9.952	0.144
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0	0	0	0.005	0.052	0	0	10.375	0.199
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	0.017	0.013	0	0	0.037	0.105	9.822	0.473
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0	0	0	0.124	0.027	0.027	0.08	9.13	0.385
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0	0	0.012	0	0.031	0.053	10.23	0.595
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	0	0	0	0	0.039	0.025	10.132	0.505
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	0.011	0.01	0	0	0.047	0	10.368	0.328
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	0.006	0.025	0	0	0.021	0.054	10.087	0.482
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0.503	0.063	0.117	0.071	0	0	7.3	0.098
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	0.545	0.119	0.003	0.017	0	0	10.873	0.228
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	0.377	0.067	0.007	0.017	0	0	10.509	0.167
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	0.142	0.089	0.026	0.013	0.062	0	10.721	0.304
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	1.171	0.091	0.023	0.064	0.028	0	10.395	0.141
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	2.8916	0.413	0	0.053	0.087	0.359	9.826	0.302
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0.1443	0.177	0	0.06	0	0	10.694	0.144
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	1.371	0.113	0.008	0	0.047	0	10.579	0.188
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0.18	0.049	0.018	0	0.035	0.035	10.674	0.18
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	0.156	0.013	0.021	0	0.043	0	10.529	0.193
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0	0	0	0.011	0	0.061	0.11	9.875	0.292
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	0.104	0.041	0.002	0.001	0.034	0.049	10.694	0.187
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0.011	0.012	0.002	0	0.07	0.027	10.019	0.64
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	0.122	0.039	0.006	0	0.056	0	10.795	0.173
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	0.026	0.039	0	0	0.053	0.043	10.586	0.306
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	0.3176	0.039	0.01	0.956	0	0	10.058	0.179
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	1.511	0.039	0.01	0.815	0	0	9.967	0.649
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	1.568	0.028	0.011	0.87	0	0	10.029	0.661
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	0	0	0.01	0.838	0	0	10.196	0.592
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	0.2147	0.038	0	0.817	0	0	9.768	0.445
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	1.652	0.022	0.003	0.807	0	0	10.58	0.515
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	1.485	0.013	0.019	0.751	0	0	10.521	0.574
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	1.823	0.016	0	0.813	0	0	10.597	0.394

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	1.768	0.036	0	0.817	0	0	10.549	0.228
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0	0	0.024	0.857	0	0	9.144	0.464
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0	0	0	0.029	0.783	0	0	9.983	0.773
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	1.598	0.055	0.019	0.875	0	0	10.258	0.535
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	1.537	0	0.043	0.78	0	0	10.028	0.642
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	1.592	0.002	0.081	0.824	0	0	9.731	0.581
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	1.621	0	0	0.917	0	0	10.004	0.608
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	0	0	0.022	0.81	0	0	10.511	0.495
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	1.554	0	0.002	0.882	0	0	10.302	0.615
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	1.498	0.042	0.019	0.868	0	0	10.266	0.659
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	0	0	0	0.809	0	0	10.472	0.672
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	1.608	0.018	0.111	0.79	0	0	9.661	0.714
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	1.563	0	0.016	0.836	0	0	10.065	0.608
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	1.612	0.03	0	0.795	0	0	10.35	0.51
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	2.301	0.034	0.071	0.917	0	0	10.445	0.373
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	0.2292	0.007	0.027	0.871	0	0	9.352	0.417
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	1.581	0.024	0.006	0.839	0	0	10.146	0.617
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	1.572	0.015	0	0.818	0	0	10.062	0.641
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	0.2224	0	0.025	0.92	0	0	9.643	0.553
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	1.598	0.014	0.053	0.875	0	0	10.189	0.698
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	1.752	0	0.006	0.876	0	0	10.636	0.276
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	3.015	0.051	0.07	0.724	0	0	10.024	0.482
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	2.708	0.05	0.021	0.746	0	0	10.523	0.539
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	3.655	0.063	0	0.953	0	0	10.394	0.603
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	2.691	0.028	0.012	0.976	0	0	10.37	0.599
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	3.406	0.025	0.009	0.909	0	0	10.344	0.562
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	0.2672	0.07	0	0.651	0	0	9.63	0.395
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	0.3392	0	0.018	0.683	0	0	9.295	0.359
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	1.417	0	0.015	0.642	0	0	10.291	0.807
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	1.828	0.022	0.01	0.674	0	0	10.167	0.59
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	1.779	0.011	0.027	0.672	0	0	9.985	0.807
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	0.2302	0.015	0.003	0.685	0	0	9.321	0.57
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	0.5391	0.029	0.008	0.686	0	0	9.215	0.621
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	1.739	0.036	0	0.69	0	0	10.182	0.681
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	2.046	0	0.021	0.773	0	0	10.182	0.63
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	1.721	0.021	0.024	0.779	0	0	10.161	0.729
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	0.224	0.032	0.026	0.775	0	0	9.274	0.565
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0.2182	0.041	0.038	0.756	0	0	9.17	0.53
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	1.4174	0.01	0.05	0.692	0	0	10.107	0.711
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	1.618	0.046	0.054	0.666	0	0	10.052	0.721
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	1.583	0	0.011	0.659	0	0	10.203	0.706
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	2.907	0.069	0	0.644	0	0	10.656	0.488
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	3.345	0.041	0.007	0.699	0	0	10.798	0.392
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0.2133	0.063	0.007	0.614	0	0	9.239	0.643
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	0.2481	0	0.014	0.616	0	0	9.143	0.626
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	1.636	0.027	0.018	0.617	0	0	9.966	0.827
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	1.627	0.047	0.031	0.61	0	0	9.92	0.752
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	1.826	0.039	0.034	0.687	0	0	10.381	0.625
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	0.2379	0.025	0.019	0.606	0	0	9.036	0.576

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	0.266	0.008	0.023	0.614	0	0	8.848	0.556
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	0	0	0.029	0.641	0	0	10.25	0.687
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	0	0	0.008	1.049	0	0	9.449	0.451
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	0	0	0.017	1.025	0	0	9.256	0.365
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	2.554	0.08	0.017	0.936	0	0	10.315	0.677
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	4.56	0.085	0.093	0.011	0	0	10.325	0.201
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	4.11	0.071	0	0.002	0.003	0	10.705	0.315
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	3.807	0.056	0.009	0	0	0	10.341	0.537
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	0	0	0	0	0	0	9.557	0.253
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	4.461	0.054	0.081	0.084	0.031	0	10.731	0.297
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	4.642	0.097	0.032	0.003	0.007	0	10.245	0.572
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	4.438	0.088	0.048	0.032	0.057	0	10.577	0.378
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	3.682	0.074	0.001	0.02	0	0	10.466	0.656
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	3.642	0.057	0.014	0.025	0	0	9.943	0.433
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	4	0.049	0	0.022	0.002	0	10.586	0.444
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	4.199	0.076	0.028	0.016	0	0	10.666	0.379
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	4.348	0.036	0.015	0.016	0	0	10.578	0.325
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	4.481	0.091	0.033	0.252	0	0	10.445	0.349
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	3.475	0.048	0.015	0	0.014	0	10.006	0.479
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	4.053	0.068	0.012	0.031	0	0	10.417	0.615
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	3.503	0.106	0.013	0	0.009	0	10.448	0.569
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	4.352	0.077	0.004	0.009	0.023	0	10.46	0.507
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	3.769	0.033	0	0.007	0	0	10.471	0.626
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	4.494	0.072	0	0.028	0.013	0	10.114	0.463
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	5.083	0.074	0	0.003	0.014	0	10.453	0.468
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	5.363	0.076	0	0.021	0	0	10.638	0.321
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	3.827	0.09	0.005	0	0	0	10.242	0.713
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	4.435	0.05	0.007	0.005	0.014	0	10.388	0.559
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0	0	0	0	0.004	0.038	0	9.66	0.321
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0	0	0	0	0.003	0	0	10.462	0.529
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0	2.0275	0.067	0	0.03	0	0	10.686	0.303
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	4.271	0.054	0.027	0.003	0	0	10.608	0.215
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	4.288	0.059	0	0.003	0.013	0	10.081	0.482
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	3.668	0.047	0.005	0.007	0	0	10.3	0.491
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	3.788	0.076	0.021	0	0	0	10.294	0.556
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	4.75	0.07	0.028	0	0.02	0	10.185	0.538
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0	0	0	0.051	0.297	0.034	0	8.933	0.418
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	4.119	0.045	0.005	0.018	0	0	10.366	0.588
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	4.171	0.086	0	0.009	0	0	10.451	0.458
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	4.388	0.03	0.01	0.021	0	0	10.698	0.305
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0	0	0	0.241	0.453	0.016	0	9.096	0.521
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	4.479	0.041	0.059	0.047	0.031	0	9.977	0.416
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	1.8768	0.023	0.024	0.011	0	0	10.429	0.41
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	3.527	0.064	0.005	0.008	0	0	10.322	0.609
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	3.399	0.001	0	0.003	0.041	0	10.531	0.512
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	4.272	0.092	0.014	0.029	0	0	10.556	0.391
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	4.051	0.049	0	0.019	0.002	0	10.163	0.249
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	3.835	0.069	0.04	0.15	0	0	10.412	0.361
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	4.633	0.088	0	0.016	0	0	10.771	0.35

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0	0	0	0.001	0	0.02	0	10.778	0.398
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	4.535	0.091	0.004	0.002	0	0	10.484	0.492

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	0.009	0.101	4.526	101.287	-0.0425	-0.002	101.2424
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	0	0.075	4.5026	101.1716	-0.0316	0	101.14
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	0.007	0.123	4.5066	101.5676	-0.0518	-0.0016	101.5143
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	0.005	0.068	4.5189	101.3369	-0.0286	-0.0011	101.3072
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	0	0	4.5842	101.7522	0	0	101.7522
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	0	0.047	4.5712	101.8172	-0.0198	0	101.7974
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	0	0	4.4765	99.9345	0	0	99.9345
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0.004	0.054	4.5281	101.234	-0.0227	-0.0009	101.2104
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	0	0	4.5306	101.0136	0	0	101.0136
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	0.008	0	4.5464	101.3344	0	-0.0018	101.3326
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0.899	0.004	0	4.5548	99.9775	0	-0.0009	99.9766
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0.4171	0.002	0.164	4.4755	100.1149	-0.0691	-0.0005	100.0454
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0.003	0	4.4873	100.5663	0	-0.0007	100.5656
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0	0.076	4.512	101.614	-0.032	0	101.582
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	0	0.076	4.4386	100.0866	-0.032	0	100.0546
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0.7657	0.013	0.008	4.5712	99.9868	-0.0034	-0.0029	99.9805
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0.7852	0.014	0.02	4.4821	99.997	-0.0084	-0.0032	99.9854
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	0.008	0.028	4.5234	100.6404	-0.0118	-0.0018	100.6268
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	0	0.124	4.4817	100.3707	-0.0522	0	100.3185
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	0.016	0.001	4.5166	100.0106	-0.0004	-0.0036	100.0065
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0.3515	0.016	0	4.5352	99.9924	0	-0.0036	99.9888
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0.2845	0	0	4.5896	100.9605	0	0	100.9605
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0	0.037	4.4916	100.7616	-0.0156	0	100.7461
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	0.004	0	4.5026	100.3796	0	-0.0009	100.3787
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0.2395	0.001	0.056	4.5144	100.0907	-0.0236	-0.0002	100.0668
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0.2442	0.003	0	4.4822	99.823	0	-0.0007	99.8224
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0.9999	0	0.078	4.4685	100.0064	-0.0328	0	99.9735
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0.042	0.015	0.029	4.5973	101.4571	-0.0122	-0.0034	101.4415
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	0	0.117	4.45	100.134	-0.0493	0	100.0847
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	0	0.029	4.4922	100.5752	-0.0122	0	100.563
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	0	0.009	4.4986	100.0586	-0.0038	0	100.0548
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0.238	0	0.078	4.4791	99.8449	-0.0328	0	99.8121
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	0.003	0.133	4.4747	100.5537	-0.056	-0.0007	100.497
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0.005	0.095	4.4608	100.7378	-0.04	-0.0011	100.6967
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	0	0.076	4.4692	100.5482	-0.032	0	100.5162
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0.0558	0.007	0.226	4.5241	102.0289	-0.0952	-0.0016	101.9322
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	0.013	0.177	4.4642	101.5972	-0.0745	-0.0029	101.5197
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	0	0.159	4.4572	101.0732	-0.067	0	101.0062
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	0.009	0.256	4.4006	100.8406	-0.1078	-0.002	100.7307
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0.1574	0.003	0	4.6689	101.2749	0	-0.0007	101.2743
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	0	0	4.5997	101.0257	0	0	101.0257
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0.003	0.279	4.4602	102.1132	-0.1175	-0.0007	101.9951
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	0.013	0.132	4.43	100.465	-0.0556	-0.0029	100.4065
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	0	0.149	4.4748	101.1928	-0.0627	0	101.13
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	0.012	0.171	4.3973	100.7313	-0.072	-0.0027	100.6566
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	0.009	0.17	4.4196	100.8066	-0.0716	-0.002	100.733
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	0.008	0.16	4.4453	100.9123	-0.0674	-0.0018	100.8431
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	0.013	0.082	4.5118	101.0108	-0.0345	-0.0029	100.9734
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	0	0	4.5493	100.6483	0	0	100.6483

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	0.004	0.057	4.5612	101.6682	-0.024	-0.0009	101.6433
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	0.002	0.085	4.5072	101.2812	-0.0358	-0.0005	101.2449
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	0	0.075	4.5456	101.6996	-0.0316	0	101.668
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	0.001	0.075	4.4468	100.2468	-0.0316	-0.0002	100.215
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	0.011	0.096	4.4678	100.6548	-0.0404	-0.0025	100.6119
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	0	0.152	4.4165	100.1705	-0.064	0	100.1065
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	0	0.177	4.4154	100.9384	-0.0745	0	100.8639
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0.9307	0	0.212	4.358	100.0884	-0.0893	0	99.9991
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0.1614	0.004	0.104	4.4822	100.2589	-0.0438	-0.0009	100.2142
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	0.015	0.103	4.4176	101.0596	-0.0434	-0.0034	101.0128
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	0.01	0.594	4.2212	100.5692	-0.2501	-0.0023	100.3169
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	0.008	0.498	4.2684	100.4384	-0.2097	-0.0018	100.2269
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	0.009	0.718	4.1405	100.1005	-0.3023	-0.002	99.7962
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0.0612	0	0.616	4.2872	101.1991	-0.2594	0	100.9397
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0.5811	0.009	1.187	3.8204	100.5206	-0.4998	-0.002	100.0187
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0.7878	0	2.104	3.3222	100.6733	-0.8859	0	99.7874
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	0	0.635	4.2129	101.2089	-0.2674	0	100.9416
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0	0.687	4.1764	100.7534	-0.2893	0	100.4641
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0.2355	0.009	0.603	4.2529	100.9167	-0.2539	-0.002	100.6607
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	0.017	0.631	4.1918	100.6618	-0.2657	-0.0038	100.3922
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0	0.653	4.1672	100.2392	-0.275	0	99.9642
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0	0.644	4.1743	100.2543	-0.2712	0	99.9831
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	0	0.481	4.2369	100.0129	-0.2025	0	99.8104
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	0	0.556	4.2443	100.3553	-0.2341	0	100.1211
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	0	0.63	4.2141	100.5211	-0.2653	0	100.2559
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0	0.413	4.3208	100.6948	-0.1739	0	100.5209
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	0	0.513	4.2942	100.9962	-0.216	0	100.7802
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	1.18	0.001	4.528	2.2357	101.8601	-1.9066	-0.0002	99.9532
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	2.8585	0	4.497	2.2136	101.1961	-1.8936	0	99.3026
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	2.2423	0	4.173	2.4203	101.7782	-1.7571	0	100.0211
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0.0678	0.007	0.702	4.227	100.8143	-0.2956	-0.0016	100.5172
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0.01	0.583	4.197	100.255	-0.2455	-0.0023	100.0073
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	0.008	0.686	4.1626	100.6876	-0.2889	-0.0018	100.3969
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0	1.028	3.9221	99.9391	-0.4329	0	99.5063
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0.002	0.735	4.0871	99.9941	-0.3095	-0.0005	99.6841
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	1.0152	0.01	4.036	2.4698	101.7042	-1.6994	-0.0023	100.0024
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	2.7229	0.001	4.931	2.074	102.0508	-2.0763	-0.0002	99.9742
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	2.3155	0	4.475	2.2766	101.8699	-1.8843	0	99.9856
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	0	1.278	3.7957	100.4067	-0.5381	0	99.8686
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0.001	1.342	3.7299	100.2449	-0.5651	-0.0002	99.6796
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	0.003	1.317	3.7398	100.1008	-0.5546	-0.0007	99.5456
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0.162	0	0.587	4.2694	101.2588	-0.2472	0	101.0116
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	0	0.564	4.2187	100.5297	-0.2375	0	100.2922
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0.1479	0.006	0.472	4.2764	99.9755	-0.1987	-0.0014	99.7754
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0.3163	0.003	0.558	4.2193	100.0103	-0.235	-0.0007	99.7747
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0.9834	0.006	0.452	4.2897	100.1864	-0.1903	-0.0014	99.9947
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	0	0.519	4.2199	99.7769	-0.2185	0	99.5584
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	1.3829	0	0.988	4.0018	100.4352	-0.416	0	100.0192
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	1.06	0	0.795	4.1271	100.334	-0.3348	0	99.9993

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	1.3052	0.005	0.95	3.9974	100.4173	-0.4	-0.0011	100.0162
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	1.8259	0.017	0.894	4.0225	100.4264	-0.3764	-0.0038	100.0462
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	3.164	0.005	4.343	2.2897	101.2321	-1.8287	-0.0011	99.4023
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	3.8657	0	4.763	2.0992	101.618	-2.0056	0	99.6124
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	4.9994	0.001	4.838	2.0885	101.8184	-2.0371	-0.0002	99.781
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	0	0.753	4.1552	100.7602	-0.3171	0	100.4432
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0.6036	0	0.683	4.1765	100.3179	-0.2876	0	100.0303
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	0.007	0.651	4.1553	99.9203	-0.2741	-0.0016	99.6446
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	0.015	0.634	4.1623	99.9093	-0.267	-0.0034	99.6389
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	0	0.555	4.2327	100.1217	-0.2337	0	99.888
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0.1955	0.007	0.132	4.5903	100.9151	-0.0556	-0.0016	100.858
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0.1844	0.019	0.087	4.5777	100.9399	-0.0366	-0.0043	100.899
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	0.007	0	4.5945	101.6655	0	-0.0016	101.6639
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0.2083	0.006	0.019	4.6023	101.3027	-0.008	-0.0014	101.2934
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0.1789	0	0	4.6545	101.1736	0	0	101.1736
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0.1607	0.013	0.018	4.623	101.301	-0.0076	-0.0029	101.2905
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0.1815	0	0	4.6138	101.3268	0	0	101.3268
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0.2567	0.014	0.171	4.4704	100.5837	-0.072	-0.0032	100.5085
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0.1615	0.011	0.094	4.6374	101.8017	-0.0396	-0.0025	101.7596
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0.2049	0	0	4.611	101.476	0	0	101.476
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0.1674	0.017	0.144	4.5533	101.0515	-0.0606	-0.0038	100.987
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0.153	0.027	0.211	4.4713	100.1202	-0.0888	-0.0061	100.0253
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0.2117	0.007	0.106	4.5445	101.3787	-0.0446	-0.0016	101.3325
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0.7896	0	0.115	4.4419	100.0381	-0.0484	0	99.9897
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0.1417	0.002	0.076	4.5567	102.0167	-0.032	-0.0005	101.9843
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0.2377	0.011	0.046	4.5555	101.1135	-0.0194	-0.0025	101.0916
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	0.003	0.137	4.4664	100.3664	-0.0577	-0.0007	100.308
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0.1895	0	0.114	4.5421	101.3888	-0.048	0	101.3407
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0.1719	0	0.105	4.5102	100.4607	-0.0442	0	100.4165
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0.453	0	0.179	4.397	100.0423	-0.0754	0	99.9669
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0.1944	0	0.097	4.5876	101.7279	-0.0408	0	101.6871
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0.2262	0.002	0.019	4.5926	101.3311	-0.008	-0.0005	101.3227
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0.1607	0.006	0.019	4.6263	101.5752	-0.008	-0.0014	101.5659
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0.1826	0.019	0.189	4.5752	102.0707	-0.0796	-0.0043	101.9868
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0.2895	0	0.365	4.4032	100.5659	-0.1537	0	100.4122
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0.3727	0.011	0.319	4.3675	99.9268	-0.1343	-0.0025	99.79
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0.1439	0.009	0.377	4.3461	99.9899	-0.1587	-0.002	99.8291
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0.3159	0	0.544	4.2292	100.2272	-0.2291	0	99.9981
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0.2454	0	0.402	4.3085	100.1031	-0.1693	0	99.9338
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0.1945	0	0.411	4.4057	100.8723	-0.1731	0	100.6992
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0.1427	0	0.491	4.31	100.5507	-0.2067	0	100.344
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0.8311	0.005	0.467	4.2636	100.1855	-0.1966	-0.0011	99.9877
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0.1571	0	0.299	4.3781	99.9454	-0.1259	0	99.8195
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0.7934	0.007	0.479	4.3145	100.1857	-0.2017	-0.0016	99.9824
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0.4402	0.002	0.383	4.3478	100.0279	-0.1613	-0.0005	99.8662
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0.0559	0	0.513	4.3686	101.9074	-0.216	0	101.6914
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	0.007	0.38	4.3714	101.0374	-0.16	-0.0016	100.8758
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	0.009	0.354	4.3937	101.0187	-0.1491	-0.002	100.8676
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	0	0.448	4.2842	99.9492	-0.1886	0	99.7605

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0.0755	0.001	0.5	4.3379	101.3207	-0.2105	-0.0002	101.11
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	0	0.546	4.2622	100.9482	-0.2299	0	100.7183
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	0	0.297	4.3434	100.5204	-0.1251	0	100.3953
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	0	0.471	4.2299	100.4719	-0.1983	0	100.2736
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0.003	0.453	4.3379	101.0219	-0.1907	-0.0007	100.8305
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0.2433	0	0.473	4.413	101.9274	-0.1992	0	101.7283
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	0	0.287	4.4543	101.6663	-0.1208	0	101.5455
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	0.003	0.166	4.5066	101.7006	-0.0699	-0.0007	101.63
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	0.006	0.306	4.4137	100.8017	-0.1288	-0.0014	100.6715
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	0	0.261	4.4179	100.6359	-0.1099	0	100.526
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0.298	0.002	0.272	4.3791	99.9951	-0.1145	-0.0005	99.8801
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	0.016	0.445	4.2976	100.1736	-0.1874	-0.0036	99.9826
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	0.003	0.381	4.3574	100.8034	-0.1604	-0.0007	100.6423
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0	0.432	4.2984	100.0254	-0.1819	0	99.8435
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	0.016	0.559	4.2778	101.1028	-0.2354	-0.0036	100.8639
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0.8335	0.002	0.469	4.2816	100.185	-0.1975	-0.0005	99.9871
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0.1669	0.015	0.199	4.4111	99.9094	-0.0838	-0.0034	99.8222
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0.7972	0	0.674	4.1967	100.2668	-0.2838	0	99.983
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0.2327	0	0.578	4.2363	100.1172	-0.2434	0	99.8738
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0.4977	0	0.393	4.3379	100.0434	-0.1655	0	99.8779
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0.8609	0	0.554	4.2499	100.2202	-0.2333	0	99.9869
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0.287	0	0.438	4.3797	100.9808	-0.1844	0	100.7963
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	0.008	0.307	4.3734	100.2644	-0.1293	-0.0018	100.1333
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	0	0.243	4.4364	100.7014	-0.1023	0	100.599
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	0.003	0.453	4.2841	100.7361	-0.1907	-0.0007	100.5447
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	0	0.541	4.2654	101.1494	-0.2278	0	100.9216
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	0.001	0.381	4.3466	100.5476	-0.1604	-0.0002	100.3869
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	0.018	0.677	4.1834	100.2554	-0.2851	-0.0041	99.9662
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	0	0.381	4.3623	100.7343	-0.1604	0	100.5739
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	0	0.451	4.3812	101.6242	-0.1899	0	101.4343
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0	0.431	4.3714	101.3994	-0.1815	0	101.2179
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0.008	0.472	4.3297	101.1627	-0.1987	-0.0018	100.9621
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0	0.27	4.3982	100.2102	-0.1137	0	100.0965
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	0.009	0.511	4.2801	100.2621	-0.2152	-0.002	100.0449
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0.004	0.381	4.3437	100.7107	-0.1604	-0.0009	100.5494
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	0.006	0.308	4.3321	100.2361	-0.1297	-0.0014	100.1051
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0	0.436	4.2937	100.5277	-0.1836	0	100.3441
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	0.012	0.581	4.1909	100.7499	-0.2446	-0.0027	100.5025
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	0.017	0.546	4.1807	99.9687	-0.2299	-0.0038	99.735
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	1.4734	0	0.554	4.2536	100.2563	-0.2333	0	100.0231
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0.24	0.008	0.363	4.4437	101.5041	-0.1528	-0.0018	101.3494
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	0.009	0.32	4.3772	100.3462	-0.1347	-0.002	100.2095
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	0	0.188	4.4065	100.4205	-0.0792	0	100.3414
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0	0.325	4.3893	100.7113	-0.1368	0	100.5744
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0	0.411	4.3054	99.8084	-0.1731	0	99.6353
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	0.007	0.399	4.3214	100.2034	-0.168	-0.0016	100.0338
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	0	0.102	4.4553	100.6153	-0.0429	0	100.5724
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	0.014	0.166	4.4345	100.8995	-0.0699	-0.0032	100.8265
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0.03	0.368	3.4012	100.1282	-0.155	-0.0068	99.9665

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0	0.476	4.2962	101.6612	-0.2004	0	101.4607
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0.9912	0.029	0	4.452	99.9729	0	-0.0065	99.9664
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0.005	0.169	4.3836	99.7966	-0.0712	-0.0011	99.7243
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0.003	0.121	4.4588	100.4898	-0.0509	-0.0007	100.4382
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0.01	0.047	4.517	100.572	-0.0198	-0.0023	100.55
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0.2356	0.02	0	4.5536	100.5242	0	-0.0045	100.5197
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0.003	0.167	4.4211	101.0371	-0.0703	-0.0007	100.9661
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0.2376	0	0.056	4.5603	101.3219	-0.0236	0	101.2984
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0.012	0.117	4.4704	101.0054	-0.0493	-0.0027	100.9534
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0.008	0.057	4.5005	100.7015	-0.024	-0.0018	100.6757
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0.0533	0.008	0.39	4.4071	101.2529	-0.1642	-0.0018	101.0869
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	0	0.395	4.3474	101.5814	-0.1663	0	101.4151
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	0	0.222	4.3975	100.5815	-0.0935	0	100.488
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	0.005	0.082	4.4791	101.3861	-0.0345	-0.0011	101.3504
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0	0.092	4.493	100.51	-0.0387	0	100.4713
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0.023	0.131	4.4692	101.2012	-0.0552	-0.0052	101.1409
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	0.012	0.111	4.4249	100.0879	-0.0467	-0.0027	100.0384
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0	0.122	4.4337	100.4327	-0.0514	0	100.3813
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	0.103	4.4576	100.7766	-0.0434	0	100.7332
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	0.055	4.5326	101.1696	-0.0232	0	101.1465
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	0.04	4.4971	100.4931	-0.0168	0	100.4763
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0	0	4.5434	100.1634	0	0	100.1634
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0.0561	0.01	0.18	4.524	101.8469	-0.0758	-0.0023	101.7688
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0.005	0.047	4.4767	101.1697	-0.0198	-0.0011	101.1488
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0.8302	0.043	0	4.5051	99.9959	0	-0.0097	99.9862
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0.008	0	4.4545	99.9315	0	-0.0018	99.9297
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	0	0.037	4.4991	100.6431	-0.0156	0	100.6275
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0.2438	0	0.074	4.5432	101.9216	-0.0312	0	101.8905
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	0	0.046	4.4813	101.2813	-0.0194	0	101.2619
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0	0.037	4.4644	100.4684	-0.0156	0	100.4529
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0.0881	0	0.095	4.4963	101.5041	-0.04	0	101.4641
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0.007	0.076	4.4265	101.0435	-0.032	-0.0016	101.01
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	0.076	4.4368	100.9328	-0.032	0	100.9008
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0.004	0.028	4.5659	100.6869	-0.0118	-0.0009	100.6742
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0.002	0.001	4.5677	100.8247	-0.0004	-0.0005	100.8239
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0	0	4.547	100.851	0	0	100.851
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0.005	0.124	4.4766	100.6166	-0.0522	-0.0011	100.5633
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	0.076	4.4503	101.1473	-0.032	0	101.1153
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0.003	0.046	4.4843	100.3403	-0.0194	-0.0007	100.3203
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0.011	0.029	4.5389	101.1709	-0.0122	-0.0025	101.1562
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0	0.102	4.3953	100.6133	-0.0429	0	100.5703
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0.004	0	4.4497	100.4347	0	-0.0009	100.4338
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0	0.201	4.5187	101.5067	-0.0846	0	101.4221
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0	0.008	4.5436	100.3726	-0.0034	0	100.3693
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0.001	0	4.5911	101.1741	0	-0.0002	101.1739
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0	0	4.5778	100.3528	0	0	100.3528
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	0.008	0.201	4.3811	99.6721	-0.0846	-0.0018	99.5857
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0	0.095	4.4284	99.9454	-0.04	0	99.9054
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	1.5118	0	0	4.49	100.0288	0	0	100.0288

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4	0	0	0.106	4.4325	99.6945	-0.0446	0	99.6499
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5	0.2794	0.001	0.163	4.4394	100.1255	-0.0686	-0.0002	100.0566
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1	0	0	0.038	4.5126	100.5856	-0.016	0	100.5696
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2	0.4922	0	0.221	4.3954	100.2225	-0.0931	0	100.1294
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3	1.6628	0.001	0.223	4.363	100.1324	-0.0939	-0.0002	100.0383
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4	0	0	0.238	4.3677	100.0027	-0.1002	0	99.9025
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5	0.9036	0.001	0.136	4.4447	100.0487	-0.0573	-0.0002	99.9912
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1	0.0735	0.005	0.133	4.5098	100.7689	-0.056	-0.0011	100.7118
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2	0.5244	0.004	0.048	4.4858	99.9862	-0.0202	-0.0009	99.9651
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3	0.7993	0	0.087	4.4444	100.0221	-0.0366	0	99.9855
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4	0.8922	0.008	0.01	4.4894	99.9958	-0.0042	-0.0018	99.9898
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5	0	0	0.171	4.3892	99.6752	-0.072	0	99.6032
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6	0.867	0.015	0.135	4.4369	100.0488	-0.0568	-0.0034	99.9886
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7	0.9583	0.007	0.018	4.484	100.0022	-0.0076	-0.0016	99.993
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2	1.5363	0.008	0.058	4.5228	100.0528	-0.0244	-0.0018	100.0266
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3	1.4236	0	0.218	4.3777	100.1144	-0.0918	0	100.0226
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4	0	0.018	0	4.5184	100.4834	0	-0.0041	100.4793
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5	0	0.003	0.018	4.5206	100.5566	-0.0076	-0.0007	100.5483
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1	0	0.01	0.035	4.528	101.188	-0.0147	-0.0023	101.171
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2	0	0.006	0.186	4.3779	99.8039	-0.0783	-0.0014	99.7242
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3	0	0	0.188	4.3714	99.8864	-0.0792	0	99.8072
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4	0	0.003	0.252	4.3721	100.1831	-0.1061	-0.0007	100.0763
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5	0	0.015	0.063	4.4644	100.7484	-0.0265	-0.0034	100.7185
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1	0	0	0.094	4.4449	99.9929	-0.0396	0	99.9533
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2	0.999	0	0.094	4.4635	100.0359	-0.0396	0	99.9964
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3	0	0.016	0.101	4.3723	99.7963	-0.0425	-0.0036	99.7502
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4	0	0.004	0	4.4815	99.8145	0	-0.0009	99.8136
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5	1.9323	0.002	0.151	4.4397	100.0339	-0.0636	-0.0005	99.9699
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1	0.4887	0.014	0.215	4.4509	100.2634	-0.0905	-0.0032	100.1698
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2	0.9916	0.004	0.076	4.4462	100.0767	-0.032	-0.0009	100.0438
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4	0	0	0.132	4.4316	100.0306	-0.0556	0	99.9751
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5	0	0.004	0.11	4.4769	100.3729	-0.0463	-0.0009	100.3257
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1	0.2859	0.007	0	4.6049	100.8523	0	-0.0016	100.8507
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2	0.8464	0	0.056	4.4991	100.009	-0.0236	0	99.9854
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3	0	0.013	0.131	4.4196	99.9226	-0.0552	-0.0029	99.8645
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4	0	0	0.046	4.5004	100.7524	-0.0194	0	100.7331
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5	0.5023	0	0.103	4.443	100.0032	-0.0434	0	99.9599
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1	1.5142	0.011	0.203	4.4353	100.1149	-0.0855	-0.0025	100.0269
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2	1.1945	0	0.155	4.4234	100.0753	-0.0653	0	100.0101
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3	0.5573	0.003	0.097	4.4902	100.1594	-0.0408	-0.0007	100.1179
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4	0.6622	0.012	0	4.5087	100.2061	0	-0.0027	100.2034
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1	4.0771	0.01	4.099	2.6656	101.7956	-1.726	-0.0023	100.0674
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2	4.8576	0.009	5.436	1.9971	102.2744	-2.2889	-0.002	99.9834
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3	4.484	0	5.539	1.9538	102.2733	-2.3323	0	99.941
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4	5.1574	0	4.975	2.2375	102.1196	-2.0948	0	100.0248
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5	4.5858	0	5.354	2.0349	102.2054	-2.2544	0	99.951
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6	3.9454	0.024	5.059	2.1856	102.1144	-2.1302	-0.0054	99.9788
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1	3.1865	0	5.058	1.9574	101.839	-2.1298	0	99.7093
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2	2.354	0.001	4.693	2.0912	101.8039	-1.9761	-0.0002	99.8276

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total	
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	3.5179		0	6.389	1.3067	102.693	-2.6902	0	100.0028
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	2.254	0.001		5.113	1.8919	102.0571	-2.1529	-0.0002	99.9039
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	2.3304		0	5.067	1.9237	101.8731	-2.1336	0	99.7395
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	3.8252	0.004		5.912	1.6608	102.4572	-2.4894	-0.0009	99.9669
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	3.0115		0	4.473	2.2129	101.9124	-1.8835	0	100.029
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	3.1342	0.005		5.829	1.5548	102.3055	-2.4544	-0.0011	99.8499
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	2.4555	0.01		3.954	2.4388	101.6685	-1.6649	-0.0023	100.0013
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	2.5632	0.006		3.72	2.5927	101.1037	-1.5664	-0.0014	99.5359
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	2.2992		0	5.295	1.7808	102.2298	-2.2296	0	100.0002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	2.6246		0	4.649	2.1295	101.8305	-1.9576	0	99.873
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	3.4961		0	5.687	1.6447	102.4244	-2.3946	0	100.0298
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	1.6243	0.005		3.072	2.9438	101.2696	-1.2935	-0.0011	99.9749
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	3.0354	0.015		5.317	1.8082	102.2621	-2.2388	-0.0034	100.0198
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	4.3081	0.004		6.213	1.4046	102.6092	-2.6161	-0.0009	99.9922
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	1.4816		0	2.251	3.3389	100.9779	-0.9478	0	100.0301
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	3.1984	0.005		4.97	1.9878	102.0744	-2.0927	-0.0011	99.9806
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	3.5263	0.012		5.37	1.7958	102.2397	-2.2612	-0.0027	99.9758
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	2.9848		0	4.845	2.0422	102.0576	-2.0401	0	100.0175
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	3.5484	0.006		5.576	1.7057	102.3875	-2.3479	-0.0014	100.0383
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	2.6764		0	4.635	2.1255	101.8569	-1.9517	0	99.9053
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	3.2559	0.002		5.42	1.7749	102.266	-2.2822	-0.0005	99.9833
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	3.137	0.005		5.471	1.7415	102.3094	-2.3037	-0.0011	100.0046
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	3.6294		0	5.513	1.7318	102.3098	-2.3214	0	99.9884
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	1.995	0.004		3.547	2.6579	101.2156	-1.4935	-0.0009	99.7212
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	3.3189		0	4.897	2.009	101.9802	-2.062	0	99.9182
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	2.6687		0	5.017	1.9388	101.9465	-2.1125	0	99.8339
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	3.1437		0	5.081	1.9165	102.1037	-2.1395	0	99.9642
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	2.9823	0.007		4.911	1.996	102.043	-2.0679	-0.0016	99.9735
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	3.3112	0.009		4.97	1.9799	101.9207	-2.0927	-0.002	99.8259
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	3.982	0.005		5.013	1.9809	102.0131	-2.1108	-0.0011	99.9011
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	3.7794		0	5.289	1.8457	102.1959	-2.2271	0	99.9689
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	3.6421	0.001		5.361	1.8173	102.268	-2.2574	-0.0002	100.0104
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	4.3107		0	5.598	1.707	102.3297	-2.3572	0	99.9725
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	3.5189	0.009		6.153	1.4178	102.5603	-2.5909	-0.002	99.9675
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	2.3163	0.003		4.688	2.1077	101.4342	-1.974	-0.0007	99.4596
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	0.001		0.859	4.0899	100.4849	-0.3617	-0.0002	100.123
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0.7348		0	0.688	4.1603	100.2935	-0.2897	0	100.0038
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0.4142		0	0.833	4.1067	100.3251	-0.3508	0	99.9744
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0.7242		0	1.632	3.6312	100.4735	-0.6872	0	99.7863
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0.8469	0.004		1.335	3.8073	100.521	-0.5621	-0.0009	99.958
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	3.3122	0.001		6.182	1.3937	102.4684	-2.6031	-0.0002	99.8651
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	3.5241		0	5.956	1.5069	102.4793	-2.5079	0	99.9714
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	0.006		0.85	4.0803	99.9603	-0.3579	-0.0014	99.601
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0.977	0.004		0.932	4.0278	100.4458	-0.3924	-0.0009	100.0525
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	0.004		0.756	4.1141	99.9961	-0.3183	-0.0009	99.6769
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	0.001		0.611	4.2313	100.4293	-0.2573	-0.0002	100.1718
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	0.005		0.977	3.9991	99.9251	-0.4114	-0.0011	99.5125
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	1.0072	0.001		0.834	4.0927	100.3488	-0.3512	-0.0002	99.9974
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0		0	0.686	4.1908	100.4588	-0.2889	0	100.1699

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	0	0.79	4.0912	99.9712	-0.3326	0	99.6386
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	3.9926	0.015	5.785	1.7588	102.4432	-2.4359	-0.0034	100.0039
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	3.9773	0	5.611	1.8044	102.3821	-2.3626	0	100.0195
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	0	0.819	4.0815	99.9895	-0.3449	0	99.6446
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	3.4422	0	5.57	1.7873	102.3648	-2.3454	0	100.0194
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	3.5596	0	5.861	1.7258	102.4485	-2.4679	0	99.9806
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	1.4925	0.012	3.55	2.8032	101.4491	-1.4948	-0.0027	99.9515
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	2.7666	0	3.343	2.9275	101.4205	-1.4076	0	100.0129
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	1.0289	0.012	1.026	4.0305	100.4316	-0.432	-0.0027	99.9969
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	4.2896	0.002	5.443	1.9092	102.316	-2.2919	-0.0005	100.0236
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	4.2684	0	5.416	1.9145	102.3123	-2.2805	0	100.0317
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	4.4726	0	4.959	2.1409	102.1169	-2.0881	0	100.0288
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.1823	0.01	1.079	4.0327	100.518	-0.4543	-0.0023	100.0614
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	1.012	0	0.94	4.0595	100.3928	-0.3958	0	99.997
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	1.6439	0.015	1.039	4.0233	100.4744	-0.4375	-0.0034	100.0335
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	4.8133	0.009	6.056	1.6306	102.583	-2.55	-0.002	100.0309
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	4.5772	0.003	5.338	1.9626	102.1898	-2.2477	-0.0007	99.9414
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	4.1483	0	5.759	1.7431	102.417	-2.425	0	99.992
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	2.5481	0.016	3.869	2.5852	101.5873	-1.6291	-0.0036	99.9545
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	4.349	0	5.395	1.8911	102.2592	-2.2717	0	99.9875
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0.2248	0.004	0.695	4.2021	100.3456	-0.2926	-0.0009	100.0521
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0.7534	0.012	0.866	4.0719	100.4132	-0.3646	-0.0027	100.0458
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0.2628	0.001	0.665	4.3081	101.6078	-0.28	-0.0002	101.3275
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	0	0.85	4.1398	101.3848	-0.3579	0	101.0269
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	0	0.717	4.1981	100.8041	-0.3019	0	100.5022
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0.003	0.796	4.1481	100.8411	-0.3352	-0.0007	100.5052
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0.001	1.193	3.9623	101.2563	-0.5023	-0.0002	100.7538
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0.1763	0.01	0.721	4.1621	100.0913	-0.3036	-0.0023	99.7854
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	0.002	0.942	4.1262	101.2252	-0.3967	-0.0005	100.8281
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	0.015	0.861	4.1582	101.4182	-0.3625	-0.0034	101.0522
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	0.005	0.875	4.124	100.702	-0.3684	-0.0011	100.3325
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	0.012	1.047	4.064	101.304	-0.4409	-0.0027	100.8604
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0.004	1.07	4.0354	101.5094	-0.4505	-0.0009	101.0579
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	0.004	0.837	4.1631	101.4211	-0.3524	-0.0009	101.0678
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	0.006	0.935	4.0813	101.0973	-0.3937	-0.0014	100.7022
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	0	0.963	4.102	101.216	-0.4055	0	100.8105
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0.2711	0.008	1.012	4.1173	101.6355	-0.4261	-0.0018	101.2075
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0.7942	0.006	1.021	3.9852	100.4225	-0.4299	-0.0014	99.9913
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	0.017	0.842	4.1746	101.6596	-0.3545	-0.0038	101.3012
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	0.001	0.918	4.0961	100.7271	-0.3865	-0.0002	100.3403
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	1.5537	0.001	2.485	3.2798	101.0942	-1.0464	-0.0002	100.0476
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	0.007	0.784	4.2172	101.6542	-0.3301	-0.0016	101.3225
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	0.013	0.783	4.1245	99.9945	-0.3297	-0.0029	99.6619
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	0.002	0.51	4.288	101.063	-0.2147	-0.0005	100.8478
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	0	0.869	4.1455	101.3875	-0.3659	0	101.0216
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	0.001	0.748	4.2083	101.3253	-0.315	-0.0002	101.0101
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0.2724	0.001	1.339	3.994	102.2694	-0.5638	-0.0002	101.7053
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	0	0.769	4.2074	101.5734	-0.3238	0	101.2496
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	0.015	0.798	4.1469	101.3239	-0.336	-0.0034	100.9845

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	0.002	0.845	4.1437	101.3487	-0.3558	-0.0005	100.9924
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	0	0.817	4.1689	101.1809	-0.344	0	100.8369
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0.0723	0	0.927	4.1661	101.5886	-0.3903	0	101.1983
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	0	0.906	4.1205	101.7305	-0.3815	0	101.349
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	0	0.881	4.0979	100.8999	-0.371	0	100.529
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0.2912	0	0.915	4.1576	100.8959	-0.3853	0	100.5106
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	0.002	0.826	4.1758	101.5658	-0.3478	-0.0005	101.2176
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	0	0.425	4.3762	101.4572	-0.179	0	101.2782
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	0	0.987	4.0956	101.3636	-0.4156	0	100.948
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	0	1.022	4.0238	100.5798	-0.4303	0	100.1495
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	0	0.675	4.1802	100.3632	-0.2842	0	100.079
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	0.006	0.639	4.1646	100.0986	-0.2691	-0.0014	99.8282
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	0	0.703	4.1698	100.6318	-0.296	0	100.3358
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	0.002	0.522	4.2342	100.0542	-0.2198	-0.0005	99.834
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	0.004	0.527	4.2288	99.8728	-0.2219	-0.0009	99.65
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0.1343	0	0.419	4.3957	101.3762	-0.1764	0	101.1998
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	0.004	0.458	4.2733	100.1413	-0.1929	-0.0009	99.9475
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	0	0.637	4.2071	100.4531	-0.2682	0	100.1849
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0.0819	0	0.831	4.0984	100.4798	-0.3499	0	100.1299
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0.5216	0	0.577	4.2306	100.3537	-0.243	0	100.1107
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	0.005	0.534	4.2239	99.9249	-0.2249	-0.0011	99.6989
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	0	0.671	4.1054	99.9334	-0.2825	0	99.6509
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0.529	0	0.502	4.2874	100.2436	-0.2114	0	100.0322
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0.8648	0.008	0.813	4.0938	100.3667	-0.3423	-0.0018	100.0226
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	0	0.742	4.0643	99.9553	-0.3124	0	99.6428
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0.9433	0.004	0.812	4.0916	100.3775	-0.3419	-0.0009	100.0347
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0.0677	0	0.467	4.3623	101.0015	-0.1966	0	100.8049
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	0.005	0.386	4.3094	99.7894	-0.1625	-0.0011	99.6257
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	0	0.479	4.2738	100.1028	-0.2017	0	99.9011
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0.9611	0.016	0.338	4.3605	100.1378	-0.1423	-0.0036	99.9919
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	0.007	0.479	4.2873	100.0003	-0.2017	-0.0016	99.7971
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	0	0.278	4.4164	100.4704	-0.1171	0	100.3533
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	1.3841	0.01	0.7	4.2056	100.3146	-0.2948	-0.0023	100.0176
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	0	0.809	4.0772	100.1772	-0.3406	0	99.8365
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0.0459	0.017	0.546	4.2537	100.2994	-0.2299	-0.0038	100.0656
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	0.002	0.497	4.2451	99.9731	-0.2093	-0.0005	99.7634
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	0	0.53	4.2343	99.9143	-0.2232	0	99.6911
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0.2339	0	0.865	4.0071	101.2828	-0.3642	0	100.9186
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	0	0.814	4.042	100.306	-0.3428	0	99.9632
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	0.006	0.614	4.1685	100.0485	-0.2585	-0.0014	99.7886
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	0	0.768	3.9771	100.0061	-0.3234	0	99.6827
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	0	0.83	3.9676	100.1176	-0.3495	0	99.7681
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0.1978	0	0.733	4.0616	100.6704	-0.3086	0	100.3618
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	0.001	0.619	4.0914	100.0764	-0.2606	-0.0002	99.8156
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	1.1238	0.005	0.647	4.2013	100.2743	-0.2724	-0.0011	100.0008
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	1.1934	0.004	0.954	4.0049	100.4124	-0.4017	-0.0009	100.0098
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0.7001	0	1.132	3.9366	100.8181	-0.4767	0	100.3415
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0.7374	0.002	0.747	4.1038	100.6656	-0.3145	-0.0005	100.3506
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	0.006	0.724	4.106	100.268	-0.3049	-0.0014	99.9618

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0.418		0	0.678	4.1622	100.45	-0.2855	0	100.1645
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0		0	0.627	4.1548	100.4718	-0.264	0	100.2078
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0.0014	0.006		0.758	4.0938	100.8847	-0.3192	-0.0014	100.5641
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0		0	0.788	4.0029	100.3899	-0.3318	0	100.0581
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0		0	0.679	4.0735	100.0705	-0.2859	0	99.7846
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0.6997	0.006		0.746	4.0881	100.6599	-0.3141	-0.0014	100.3445
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	1.2477		0	1.012	3.9302	100.4478	-0.4261	0	100.0216
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0		0	1.08	3.9615	100.8595	-0.4548	0	100.4047
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	0.001		1.304	3.818	100.485	-0.5491	-0.0002	99.9357
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0.5119	0.001		1.713	3.602	100.705	-0.7213	-0.0002	99.9835
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0.6182	0.011		0.955	4.0054	100.3842	-0.4021	-0.0025	99.9796
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0		0	1.164	3.8404	100.1424	-0.4901	0	99.6523
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0		0	0.922	4.0097	100.5057	-0.3882	0	100.1175
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0.5692	0.015		1.152	3.9124	100.9897	-0.4851	-0.0034	100.5012
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	0.016		1.012	3.9308	100.3028	-0.4261	-0.0036	99.8731
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0		0	0.762	4.133	101.097	-0.3209	0	100.7761
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	0.012		0.79	4.0818	100.6138	-0.3326	-0.0027	100.2785
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	1.1225	0.035		1.182	3.9397	100.5091	-0.4977	-0.0079	100.0035
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	0.008		0.83	4.1148	100.7568	-0.3495	-0.0018	100.4055
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	2.5265	0.119		0.99	4.0157	100.4431	-0.4169	-0.0269	99.9994
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	0.004		1.064	3.9814	100.1554	-0.448	-0.0009	99.7065
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	0	0.016		1.119	3.8712	100.0792	-0.4712	-0.0036	99.6044
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	0	0.006		0.703	4.1468	100.589	-0.296	-0.0014	100.2916
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	0.048		0.531	4.1809	99.7409	-0.2236	-0.0108	99.5065
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0		0	0.898	4.004	99.892	-0.3781	0	99.5139
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0.72		0	1.052	3.9901	100.8445	-0.443	0	100.4015
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	0.003		0.803	4.039	99.8436	-0.3381	-0.0007	99.5048
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	1.4485	0.015		0.879	4.0835	100.3948	-0.3701	-0.0034	100.0213
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0		0	0.918	4.0503	100.3333	-0.3865	0	99.9468
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	0.013		0.337	4.3679	100.0769	-0.1419	-0.0029	99.9321
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0.7565	0.009		0.332	4.3635	100.0139	-0.1398	-0.002	99.8721
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	4.848	0.15		1.097	3.9024	99.3514	-0.4619	-0.0338	98.8556
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0		0	0.695	4.181	100.5654	-0.2926	0	100.2728
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0.7475		0	1.173	3.9294	101.0122	-0.4939	0	100.5182
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0.4305	0.007		0.871	4.0923	100.4084	-0.3668	-0.0016	100.04
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0		0	0.913	4.0466	100.2214	-0.3844	0	99.837
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	0.003		1.005	4.0132	100.5826	-0.4232	-0.0007	100.1588
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	2.5046	0.053		1.365	3.74	100.5248	-0.5748	-0.012	99.938
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	1.6618	0.04		0.818	4.055	100.3952	-0.3444	-0.009	100.0417
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	1.3144		0	1.22	3.927	100.7755	-0.5137	0	100.2618
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	1.281	0.003		1.275	3.8833	100.5515	-0.5369	-0.0007	100.014
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0		0	1.062	3.9908	100.6628	-0.4472	0	100.2157
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	2.6948	0.08		1.199	3.8858	100.5414	-0.5049	-0.0181	100.0184
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0		0	0.958	3.8778	100.2058	-0.4034	0	99.8024
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	0.007		1.074	3.8715	99.9905	-0.4522	-0.0016	99.5367
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	0.003		0.999	3.9992	99.9732	-0.4207	-0.0007	99.5519
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	0.008		0.877	4.0959	100.7019	-0.3693	-0.0018	100.3308
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0.01		1.096	3.9637	100.3337	-0.4615	-0.0023	99.8699
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	0.015		0.842	4.0416	100.1926	-0.3545	-0.0034	99.8347

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0.6387	0.024	1.168	3.8941	100.4966	-0.4918	-0.0054	99.9994
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	0	0.946	4.0309	99.9679	-0.3983	0	99.5696
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	1.579	0.01	0.869	4.0787	100.3979	-0.3659	-0.0023	100.0297
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	0	1.137	3.9175	100.5405	-0.4788	0	100.0617
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	0.003	1	3.9855	100.3785	-0.4211	-0.0007	99.9567
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	0	1.432	3.7346	100.9626	-0.603	0	100.3596
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	0.016	0.832	4.0828	101.1568	-0.3503	-0.0036	100.8029
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	0.01	0.84	4.0415	100.6115	-0.3537	-0.0023	100.2556
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	0.012	1.443	3.7398	101.1118	-0.6076	-0.0027	100.5014
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	0.007	1.256	3.8474	100.9904	-0.5289	-0.0016	100.46
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	1.5308	0.06	0.787	4.1037	100.3713	-0.3314	-0.0135	100.0264
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0	1.146	3.9368	100.4888	-0.4825	0	100.0063
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	0	0.788	4.1122	100.3713	-0.3318	0	100.0395
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	0	0.943	4.0711	101.0401	-0.3971	0	100.643
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	0	0.963	4.0421	100.9521	-0.4055	0	100.5466
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	0.002	1.044	4.0075	100.9675	-0.4396	-0.0005	100.5274
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	0.013	0.854	4.0923	100.9783	-0.3596	-0.0029	100.6158
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	0	0.953	4.0284	100.1724	-0.4013	0	99.7711
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	1.114	3.9285	100.3937	-0.4691	0	99.9246
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0.001	1.261	3.8574	100.622	-0.531	-0.0002	100.0908
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	0	0.888	4.0862	100.4192	-0.3739	0	100.0453
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0.013	0.423	4.2997	99.7587	-0.1781	-0.0029	99.5776
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	0	0.924	4.032	100.818	-0.3891	0	100.4289
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	0	1.464	3.7056	100.4456	-0.6164	0	99.8291
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	0.002	1.055	3.9409	100.7189	-0.4442	-0.0005	100.2743
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	1.2175	0.013	1.03	4.0433	102.1402	-0.4337	-0.0029	101.7035
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	0.005	0.645	4.1496	100.3046	-0.2716	-0.0011	100.0319
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	0.008	0.609	4.2015	100.6065	-0.2564	-0.0018	100.3483
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	0	0.664	4.1654	100.8024	-0.2796	0	100.5228
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0.01	1.303	3.7217	100.6488	-0.5487	-0.0023	100.0979
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	0.027	0.684	4.126	99.954	-0.288	-0.0061	99.6599
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	1.047	0.038	1.088	3.9407	100.4672	-0.4581	-0.0086	100.0005
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	0.031	0.84	4.0316	99.8966	-0.3537	-0.007	99.5359
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0.008	1.858	3.3062	100.9902	-0.7824	-0.0018	100.206
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0.096	0.007	2.889	2.8815	101.3742	-1.2165	-0.0016	100.1562
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0.1324	0.024	2.977	2.8491	101.5642	-1.2535	-0.0054	100.3052
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0.4158	0	0.576	4.2407	100.2633	-0.2425	0	100.0208
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	0.006	0.726	4.1193	100.7163	-0.3057	-0.0014	100.4092
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	0.001	1.216	3.8029	100.6379	-0.512	-0.0002	100.1256
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	1.3281	0	0.852	4.0495	100.3474	-0.3588	0	99.9886
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	0.968	3.9729	100.0454	-0.4076	0	99.6378
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0.002	0.942	4.0717	101.3407	-0.3967	-0.0005	100.9436
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	0.001	0.778	4.1559	101.4769	-0.3276	-0.0002	101.1491
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	0.009	0.95	4.0495	101.4905	-0.4	-0.002	101.0885
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	0.003	0.675	4.1234	100.1624	-0.2842	-0.0007	99.8775
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	0	0.594	4.178	101.178	-0.2501	0	100.9279
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0.003	0.872	4.0054	100.2771	-0.3672	-0.0007	99.9093
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	0.005	0.558	4.1836	100.9846	-0.235	-0.0011	100.7485
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	0.014	0.874	4.0215	101.1681	-0.368	-0.0032	100.7969

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	0.88	4.0337	100.9978	-0.3705	0	100.6273
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0.018	0.903	4.0224	100.4414	-0.3802	-0.0041	100.0571
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	0.643	4.1533	100.7703	-0.2707	0	100.4995
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	0.591	4.1662	99.9922	-0.2489	0	99.7433
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0.63	4.178	100.6163	-0.2653	0	100.351
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0.813	4.056	100.4873	-0.3423	0	100.145
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0.004	0.699	4.1288	100.4701	-0.2943	-0.0009	100.1748
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0.004	0.866	4.0205	100.2045	-0.3646	-0.0009	99.839
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0.005	0.791	4.0801	101.0721	-0.3331	-0.0011	100.7379
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0	0.78	4.0606	100.9116	-0.3284	0	100.5832
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0	1.001	3.9921	100.6761	-0.4215	0	100.2546
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0.005	0.663	4.1553	100.5603	-0.2792	-0.0011	100.28
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0.001	0.928	4.0413	101.1013	-0.3908	-0.0002	100.7103
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	0.011	0.254	4.3577	99.8537	-0.107	-0.0025	99.7442
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0.011	0.359	4.3259	100.2549	-0.1512	-0.0025	100.1012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	0	0.245	4.4001	101.1631	-0.1032	0	101.0599
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	1.8859	0.011	0	4.4662	99.9628	0	-0.0025	99.9603
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0.021	0.018	4.4253	99.8623	-0.0076	-0.0047	99.85
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	0.001	0.151	4.5109	101.2479	-0.0636	-0.0002	101.1841
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0.004	0.111	4.4863	101.1053	-0.0467	-0.0009	101.0577
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0.004	0.057	4.5509	101.7879	-0.024	-0.0009	101.763
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0.002	0.249	4.4096	101.2236	-0.1048	-0.0005	101.1183
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0	0.152	4.4834	101.4864	-0.064	0	101.4224
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	0.007	0.217	4.4366	100.6866	-0.0914	-0.0016	100.5936
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0.005	0.252	4.3811	100.1451	-0.1061	-0.0011	100.0378
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0	0.132	4.4546	100.7846	-0.0556	0	100.729
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	0.007	0.226	4.4434	101.0054	-0.0952	-0.0016	100.9086
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0	0.16	4.4514	100.9454	-0.0674	0	100.8781
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0	0.181	4.3846	100.4266	-0.0762	0	100.3504
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0	0.161	4.4396	100.0326	-0.0678	0	99.9648
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0.004	0.149	4.4498	100.5758	-0.0627	-0.0009	100.5121
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0	0.12	4.4931	100.9981	-0.0505	0	100.9475
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0	0.207	4.4484	100.5524	-0.0872	0	100.4653
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	0.007	0.18	4.4473	100.5603	-0.0758	-0.0016	100.4829
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	1.4815	0	0.117	4.4758	100.0714	-0.0493	0	100.0221
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	1.7969	0	0.21	4.4294	100.007	-0.0884	0	99.9186
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	1.2857	0	0.324	4.3675	100.1474	-0.1364	0	100.011
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0.004	0.356	4.4014	101.3244	-0.1499	-0.0009	101.1736
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0.001	0.085	4.5161	100.9531	-0.0358	-0.0002	100.9171
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0.001	0.245	4.4188	100.6438	-0.1032	-0.0002	100.5404
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	0.01	0.254	4.3936	100.1166	-0.107	-0.0023	100.0074
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	0.036	4.4862	99.5732	-0.0152	0	99.558
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	0.958	4.0266	99.9636	-0.4034	0	99.5602
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	1.8316	0	0.864	4.0825	100.4085	-0.3638	0	100.0447
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0.9822	0	1.053	3.9753	100.4282	-0.4434	0	99.9848
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	2.5874	0.006	1.076	3.9829	100.4625	-0.4531	-0.0014	100.0081
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	2.9088	0.003	1.662	3.6994	100.7681	-0.6998	-0.0007	100.0676
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	1.6619	0.018	2.39	3.3753	101.0456	-1.0064	-0.0041	100.0352
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	1.936	0.006	2.178	3.4763	100.8806	-0.9171	-0.0014	99.9622

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	1.1865	0.006	1.18	3.9408	100.5433	-0.4969	-0.0014	100.0451
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	1.1075	0	0.978	4.0417	100.4142	-0.4118	0	100.0024
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	1.6247	0.011	0.809	4.1205	100.3747	-0.3406	-0.0025	100.0316
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	3.5824	0.008	2.56	3.2607	101.0969	-1.0779	-0.0018	100.0172
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	2.7719	0	2.573	3.2606	101.105	-1.0834	0	100.0216
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0.9379	0.006	1.09	3.9932	100.4527	-0.459	-0.0014	99.9923
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0	1.046	3.9826	100.0306	-0.4404	0	99.5902
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0.9149	0.005	0.596	4.2287	100.2436	-0.251	-0.0011	99.9915
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0.4086	0	0.868	4.1024	100.5316	-0.3655	0	100.1662
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0.7564	0.01	0.785	4.1347	100.3491	-0.3305	-0.0023	100.0163
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0.0837	0.006	0.778	4.2064	101.2477	-0.3276	-0.0014	100.9188
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0.6739	0	1.014	4.0337	100.8625	-0.427	0	100.4356
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	0.914	4.0375	100.0925	-0.3849	0	99.7076
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0.002	0.98	3.9996	99.9756	-0.4127	-0.0005	99.5625
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0.6738	0.007	1.131	3.9705	101.0788	-0.4762	-0.0016	100.6009
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0.9472	0.013	0.919	4.0951	100.382	-0.387	-0.0029	99.9921
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0.6488	0	1.095	4.0037	100.7227	-0.4611	0	100.2616
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	1.114	0.008	1.227	3.9068	100.5394	-0.5167	-0.0018	100.0209
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	1.9148	0	1.341	3.8786	100.5257	-0.5647	0	99.9611
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0.4499	0	0.89	4.1055	100.4683	-0.3748	0	100.0935
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0.1366	0.012	1.057	4.0447	100.5192	-0.4451	-0.0027	100.0714
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0	0.819	4.1007	100.2027	-0.3449	0	99.8579
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0.9119	0.006	1.324	3.8754	100.5637	-0.5575	-0.0014	100.0049
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0	1.043	4.0073	100.4983	-0.4392	0	100.0591
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0.4788	0	1.182	3.9634	100.379	-0.4977	0	99.8813
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0.6345	0.002	2.773	3.2008	101.1402	-1.1676	-0.0005	99.9721
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0.4944	0	1.141	3.9756	100.7363	-0.4804	0	100.2559
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0.6413	0	0.926	4.0834	100.6681	-0.3899	0	100.2782
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0.003	1.72	3.675	100.884	-0.7242	-0.0007	100.1591
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0.006	0.863	4.1016	100.3236	-0.3634	-0.0014	99.9589
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0	0.871	4.0772	99.9542	-0.3668	0	99.5874
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0.8777	0	1.209	3.9461	100.4974	-0.5091	0	99.9883
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0	0.956	4.0274	100.2354	-0.4025	0	99.8329
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	1.087	3.9602	100.0092	-0.4577	0	99.5515
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	1.4681	0	1.427	3.8529	100.6233	-0.6009	0	100.0224
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0.012	0.986	3.9781	100.1591	-0.4152	-0.0027	99.7412
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	2.6435	0.004	3.187	2.9833	101.3539	-1.342	-0.0009	100.011
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0.5171	0.002	1.301	3.8992	100.6988	-0.5478	-0.0005	100.1505
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	1.2058	0.001	1.016	4.0241	100.4366	-0.4278	-0.0002	100.0086
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0.2483	0	0.277	4.5229	101.3488	-0.1166	0	101.2322
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0.001	1.119	3.9752	100.3532	-0.4712	-0.0002	99.8818
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0	0.854	4.0652	100.1532	-0.3596	0	99.7936
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0	0.96	4.0028	99.9058	-0.4042	0	99.5016
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0.8826	0	0.92	4.1389	100.3469	-0.3874	0	99.9595
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	1.1144	0	0.854	4.1585	100.3486	-0.3596	0	99.989
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0.3271	0	0.443	4.3648	100.5079	-0.1865	0	100.3213
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0.7418	0.014	0.514	4.2918	100.201	-0.2164	-0.0032	99.9815
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	2.3514	0.009	1.094	4.0524	100.4465	-0.4607	-0.002	99.9838
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	2.9515	0	1.585	3.7745	100.6948	-0.6674	0	100.0274

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0	0.583	4.241	99.798	-0.2455	0	99.5526
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	1.5815	0.017	0.965	4.1013	100.4394	-0.4063	-0.0038	100.0293
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0	2.058	3.5448	100.6448	-0.8666	0	99.7782
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0.1382	0.007	1.49	3.8183	100.7191	-0.6274	-0.0016	100.0902
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0	0.811	4.0921	99.9761	-0.3415	0	99.6346
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	0.009	1.243	3.8857	100.3157	-0.5234	-0.002	99.7903
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0	1.097	3.9655	100.3865	-0.4619	0	99.9246
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0.017	0.755	4.1267	100.2887	-0.3179	-0.0038	99.967
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0.1533	0	0.078	4.6323	101.4181	-0.0328	0	101.3853
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0.1876	0	0.117	4.5362	100.2426	-0.0493	0	100.1933
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0.136	0.006	0.165	4.5466	100.8937	-0.0695	-0.0014	100.8228
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0.001	0.751	4.1367	100.2737	-0.3162	-0.0002	99.9572
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	0.012	1.511	3.7749	100.7659	-0.6362	-0.0027	100.1269
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	0	0.985	4.0351	100.5961	-0.4148	0	100.1814
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0.8809	0	0.957	4.0856	100.3915	-0.403	0	99.9885
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	1.3274	0.001	1.016	4.0214	100.4438	-0.4278	-0.0002	100.0157
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0.846	0.009	0.749	4.1543	100.3041	-0.3154	-0.002	99.9867
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	1.2323	0.015	0.9	4.0754	100.3923	-0.379	-0.0034	100.0099
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	1.2388	0.005	1.032	4.0199	100.4455	-0.4345	-0.0011	100.0099
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0.2007	0	1.053	4.0773	101.4303	-0.4434	0	100.9869
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0	1.039	3.9919	100.4109	-0.4375	0	99.9734
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0.006	1.103	3.9657	100.4547	-0.4644	-0.0014	99.9889
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	3.8323	0.003	0.018	4.653	99.7896	-0.0076	-0.0007	99.7814
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0.5199	0.007	1.398	3.875	100.7883	-0.5887	-0.0016	100.1981
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0.8296	0.009	1.007	4.0426	100.4117	-0.424	-0.002	99.9857
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0.4178	0	1.135	3.9781	100.7958	-0.4779	0	100.3179
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	1.1297	0.01	0.812	4.1261	100.3471	-0.3419	-0.0023	100.0029
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0.3407	0.001	0.559	4.3103	100.5229	-0.2354	-0.0002	100.2873
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0.3429	0	0.6	4.2541	100.1	-0.2526	0	99.8473
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0.5756	0	0.601	4.2443	100.1227	-0.2531	0	99.8696
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	1.4606	0.005	0.811	4.1526	100.3629	-0.3415	-0.0011	100.0202
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	2.149	0.01	1.794	3.7028	100.7271	-0.7554	-0.0023	99.9695
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0.0994	0	0.473	4.3498	100.0333	-0.1992	0	99.8341
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0	0.118	4.4675	99.5865	-0.0497	0	99.5368
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0.873	0	0.087	4.509	99.9149	-0.0366	0	99.8783
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0.6073	0	0.515	4.3122	100.0845	-0.2169	0	99.8677
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	1.2869	0.003	0.661	4.2277	100.2901	-0.2783	-0.0007	100.0111
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	3.1637	0.004	0.461	4.3277	100.2308	-0.1941	-0.0009	100.0358
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	1.526	0.008	1.139	4.0304	100.5058	-0.4796	-0.0018	100.0244
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0.553	0.003	0.349	4.3816	100.0106	-0.147	-0.0007	99.8629
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	1.9624	0.023	1.9	3.6214	100.857	-0.8	-0.0052	100.0518
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0.4813	0	0.505	4.3183	100.0685	-0.2126	0	99.8559
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0	0.445	4.3238	99.8198	-0.1874	0	99.6325
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0.014	0.828	4.1182	99.9682	-0.3486	-0.0032	99.6164
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0.819	0.008	0.332	4.3849	100.0209	-0.1398	-0.0018	99.8793
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	1.9411	0.002	1.308	3.9171	100.6006	-0.5508	-0.0005	100.0494
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0.1678	0.002	0.359	4.3941	100.0746	-0.1512	-0.0005	99.923
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0.011	0.213	4.4538	100.0358	-0.0897	-0.0025	99.9436
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0.6698	0.003	0.632	4.2452	100.1349	-0.2661	-0.0007	99.8681

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0.015	0.953	4.0843	100.0713	-0.4013	-0.0034	99.6666
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	0.009	0.436	4.3526	100.4926	-0.1836	-0.002	100.307
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0.2713	0	0.619	4.2464	100.043	-0.2606	0	99.7823
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0.2688	0.011	0.64	4.3058	101.333	-0.2695	-0.0025	101.0611
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0.9654	0	0.773	4.1991	100.3167	-0.3255	0	99.9912
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	1.8229	0.011	1.236	3.9531	100.5658	-0.5204	-0.0025	100.0429
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	1.6102	0	0.719	4.2455	100.3297	-0.3028	0	100.027
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0.7523	0.009	0.522	4.2939	100.2021	-0.2198	-0.002	99.9802
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0.3672	0	0.971	4.0812	100.2353	-0.4089	0	99.8264
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	0.011	0.598	4.2304	99.9344	-0.2518	-0.0025	99.6801
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	1.4748	0.001	0.776	4.1512	100.3489	-0.3268	-0.0002	100.0219
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	0.014	0.634	4.2103	100.0043	-0.267	-0.0032	99.7342
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	0.015	0.387	4.3592	100.1552	-0.163	-0.0034	99.9888
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0.4974	0.006	0.725	4.1992	100.3445	-0.3053	-0.0014	100.0378
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0.3009	0.008	0.552	4.3125	100.0834	-0.2324	-0.0018	99.8491
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	0	0.818	4.1397	100.0887	-0.3444	0	99.7442
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	0.001	0.7	4.1917	100.2847	-0.2948	-0.0002	99.9898
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0.8174	0	1.135	4.0189	100.462	-0.4779	0	99.984
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0.9572	0.002	0.791	4.1726	100.3253	-0.3331	-0.0005	99.9917
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0.1327	0	0.615	4.2462	100.093	-0.259	0	99.8341
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0.4148	0.007	0.301	4.4234	99.9802	-0.1267	-0.0016	99.8519
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0.1186	0.003	0.413	4.4051	100.436	-0.1739	-0.0007	100.2614
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0	0.484	4.3247	100.1297	-0.2038	0	99.926
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	0.005	0.454	4.3332	99.9192	-0.1912	-0.0011	99.7269
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	0.004	0.399	4.3613	100.0423	-0.168	-0.0009	99.8734
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	0	0.512	4.3214	100.2704	-0.2156	0	100.0548
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	3.0543	0.007	0.424	4.4588	100.1771	-0.1785	-0.0016	99.997
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	0.003	0.484	4.3138	100.4078	-0.2038	-0.0007	100.2033
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	0	0.501	4.3593	101.1053	-0.211	0	100.8943
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	0.003	0.402	4.396	100.984	-0.1693	-0.0007	100.8141
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	0.005	0.813	4.1704	100.6934	-0.3423	-0.0011	100.35
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	1.5661	0	2.375	3.361	101.0467	-1	0	100.0467
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	1.8327	0.002	0.79	4.1612	100.2849	-0.3326	-0.0005	99.9518
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	0.005	0.622	4.2508	100.7248	-0.2619	-0.0011	100.4618
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0.7754	0	0.371	4.3678	100.0293	-0.1562	0	99.873
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	0.004	0.378	4.3931	100.5971	-0.1592	-0.0009	100.437
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0.1191	0.011	0.461	4.4205	101.7762	-0.1941	-0.0025	101.5796
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	0	0.223	4.4312	99.8672	-0.0939	0	99.7733
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0	0.462	4.3541	100.4401	-0.1945	0	100.2455
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0.425	0.003	0.457	4.3249	100.0469	-0.1924	-0.0007	99.8538
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	0	0.482	4.3287	100.3417	-0.203	0	100.1387
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0.1214	0	0.371	4.3165	100.9818	-0.1562	0	100.8256
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	0	0.346	4.3003	99.8003	-0.1457	0	99.6546
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	0.004	0.345	4.2794	99.6524	-0.1453	-0.0009	99.5062
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0.4764	0.003	0.384	4.3035	100.092	-0.1617	-0.0007	99.9296
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0.0598	0	0.274	4.448	101.507	-0.1154	0	101.3916
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	0	0.432	4.2031	100.1721	-0.1819	0	99.9902
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	0.003	0.143	4.3997	100.0317	-0.0602	-0.0007	99.9708
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0.009	0.316	4.3006	100.3516	-0.1331	-0.002	100.2166

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	0.007	0.238	4.3387	99.9517	-0.1002	-0.0016	99.8499
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0.001	0.517	4.2624	100.1646	-0.2177	-0.0002	99.9467
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0.2766	0.001	0.315	4.3249	100.0382	-0.1326	-0.0002	99.9053
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	0.016	0.373	4.2811	100.0161	-0.1571	-0.0036	99.8554
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	0	0.384	4.2763	99.7173	-0.1617	0	99.5556
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	0.01	0.563	4.2245	100.4425	-0.2371	-0.0023	100.2032
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	0	0.343	4.3435	100.7445	-0.1444	0	100.6001
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0.2666	0	0.366	4.2849	100.0316	-0.1541	0	99.8775
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	0.01	0.49	4.2235	99.9865	-0.2063	-0.0023	99.7779
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	0.002	0.384	4.2826	100.2216	-0.1617	-0.0005	100.0594
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0.2391	0	0.356	4.2889	100.0109	-0.1499	0	99.861
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	0.01	0.503	4.2771	101.0001	-0.2118	-0.0023	100.7861
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	0.003	0.608	4.2196	100.8946	-0.256	-0.0007	100.6379
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	0	0.354	4.3134	100.3684	-0.1491	0	100.2193
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	0.009	0.371	4.2824	100.4314	-0.1562	-0.002	100.2732
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0.0505	0.007	0.563	4.266	100.8704	-0.2371	-0.0016	100.6318
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	0.009	0.358	4.2833	99.9253	-0.1507	-0.002	99.7725
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	0.001	0.364	4.2797	99.6937	-0.1533	-0.0002	99.5402
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0.0462	0.009	0.314	4.4009	101.2689	-0.1322	-0.002	101.1346
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	0	0.346	4.2971	100.2321	-0.1457	0	100.0864
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	0.004	0.404	4.2421	100.0911	-0.1701	-0.0009	99.9201
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	0.013	0.792	4.0912	100.5222	-0.3335	-0.0029	100.1858
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	0.014	0.645	4.1502	100.5392	-0.2716	-0.0032	100.2644
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	0	1.119	3.8759	100.1629	-0.4712	0	99.6917
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	0.001	1.004	3.9744	100.1334	-0.4228	-0.0002	99.7104
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	0.024	0.97	3.9512	99.9682	-0.4084	-0.0054	99.5544
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0.1079	0.003	0.741	4.1695	101.2134	-0.312	-0.0007	100.9007
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0.108	0	0.676	4.1954	100.6285	-0.2846	0	100.3438
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	0	0.721	4.1722	101.2352	-0.3036	0	100.9316
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	0	0.724	4.132	100.181	-0.3049	0	99.8762
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	0.005	0.836	4.0639	100.1869	-0.352	-0.0011	99.8338
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0.0554	0.011	0.874	4.1307	100.7341	-0.368	-0.0025	100.3636
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0.2422	0	0.838	4.1496	100.505	-0.3529	0	100.1521
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	0.004	0.8	4.0981	100.1481	-0.3369	-0.0009	99.8103
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	0.003	0.889	4.0601	100.4801	-0.3743	-0.0007	100.1051
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	0	0.839	4.0323	100.1313	-0.3533	0	99.778
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0.0609	0.003	0.757	4.2107	101.2179	-0.3188	-0.0007	100.8985
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0.0626	0.005	0.84	4.1713	101.1828	-0.3537	-0.0011	100.828
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0.7456	0.001	0.765	4.1166	100.3052	-0.3221	-0.0002	99.9828
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	0	0.675	4.1888	100.7468	-0.2842	0	100.4626
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	0	0.623	4.1406	99.8886	-0.2623	0	99.6263
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	0	0.749	4.0698	100.1868	-0.3154	0	99.8714
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	0	0.88	4.0016	100.3156	-0.3705	0	99.9451
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0.0755	0.003	0.723	4.1557	100.754	-0.3044	-0.0007	100.4488
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0.0577	0	1.076	4.0105	101.1772	-0.4531	0	100.7242
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	0.007	0.676	4.1581	100.3011	-0.2846	-0.0016	100.0149
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	0.003	0.583	4.1815	100.5695	-0.2455	-0.0007	100.3233
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	0.021	0.619	4.194	100.708	-0.2606	-0.0047	100.4426
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0.0657	0	0.684	4.1901	100.8786	-0.288	0	100.5906

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0.0713	0.006	0.945	4.0724	101.0826	-0.3979	-0.0014	100.6834
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0.2696	0.001	0.689	4.1226	100.2935	-0.2901	-0.0002	100.0032
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	0.003	0.956	4.077	101.1398	-0.4025	-0.0007	100.7365
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	0	0.989	4.0949	101.6137	-0.4164	0	101.1973
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	0	0.844	4.049	99.955	-0.3554	0	99.5996
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	0.002	0.618	4.1836	100.6806	-0.2602	-0.0005	100.4199
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	0	0.79	4.0997	100.7987	-0.3326	0	100.466
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	0	0.588	4.2296	101.1126	-0.2476	0	100.865
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0.1521	0.002	0.843	4.1244	101.0756	-0.355	-0.0005	100.7202
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	0.003	0.701	4.1468	101.1298	-0.2952	-0.0007	100.8339
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	0.014	0.794	4.0851	100.7511	-0.3343	-0.0032	100.4136
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	0.004	0.6	4.1848	100.8528	-0.2526	-0.0009	100.5992
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	0.009	0.585	4.1831	100.3351	-0.2463	-0.002	100.0867
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	0.004	0.76	4.148	100.939	-0.32	-0.0009	100.6181
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	0	0.669	4.1369	100.2769	-0.2817	0	99.9952
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	0.019	0.713	4.1174	100.6634	-0.3002	-0.0043	100.3589
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	0	0.856	4.0195	99.9445	-0.3604	0	99.5841
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	0.002	0.602	4.17	100.432	-0.2535	-0.0005	100.178
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	0	0.804	4.1532	101.4182	-0.3385	0	101.0797
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	0.018	0.722	4.1146	100.5216	-0.304	-0.0041	100.2135
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	0	0.882	4.0789	100.9659	-0.3714	0	100.5945
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	0.004	0.777	4.0876	100.4916	-0.3272	-0.0009	100.1636
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	0.01	0.716	4.109	100.064	-0.3015	-0.0023	99.7603
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	0.002	0.83	4.068	100.629	-0.3495	-0.0005	100.279
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	0.01	0.942	3.9938	100.6408	-0.3967	-0.0023	100.2419
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0.02	0.802	4.0277	100.2467	-0.3377	-0.0045	99.9045
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	0	0.786	4.0911	100.4421	-0.331	0	100.1111
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	0	0.834	4.0437	100.2697	-0.3512	0	99.9186
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0.527	0.013	0.771	4.1614	101.0485	-0.3246	-0.0029	100.7209
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0.9949	0.008	0.594	4.2255	101.1738	-0.2501	-0.0018	100.9219
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0.8812	0	0.542	4.2179	100.2418	-0.2282	0	100.0136
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	0.003	0.868	4.0259	100.1299	-0.3655	-0.0007	99.7637
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	0	0.708	4.1626	101.0296	-0.2981	0	100.7315
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	0.009	0.581	4.227	100.916	-0.2446	-0.002	100.6693
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	0.002	0.898	4.0551	100.7791	-0.3781	-0.0005	100.4006
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	0.003	0.983	4.0192	101.3602	-0.4139	-0.0007	100.9456
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0.0516	0.006	0.718	4.2191	101.1821	-0.3023	-0.0014	100.8784
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	0	0.878	4.0768	101.1008	-0.3697	0	100.7311
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	0	0.759	4.1223	100.8553	-0.3196	0	100.5357
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	0.005	0.852	4.0668	100.8618	-0.3588	-0.0011	100.5019
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0.4844	0	0.493	4.3031	101.2349	-0.2076	0	101.0274
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	0.013	0.778	4.0728	100.0688	-0.3276	-0.0029	99.7383
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0.5948	0.009	0.634	4.1699	100.3213	-0.267	-0.002	100.0523
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	0.004	0.83	4.0555	99.9835	-0.3495	-0.0009	99.6331
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	0.007	0.571	4.1678	99.7918	-0.2404	-0.0016	99.5498
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	0.013	0.932	3.9815	99.9645	-0.3924	-0.0029	99.5691
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	0.013	0.695	4.1398	100.3478	-0.2926	-0.0029	100.0522
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	0.001	0.826	4.0844	100.7544	-0.3478	-0.0002	100.4063
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	0	0.525	4.1813	100.2513	-0.2211	0	100.0303

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Li2O	Cl	F	H2O	Total#	O=F	O=Cl	Total	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0.6229		0	0.678	4.1781	100.9424	-0.2855	0	100.6569
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5		0	0.019	0.781	4.0514	100.1464	-0.3289	-0.0043	99.8133

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1		3.1432	0.8568	4		0	0.0031	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2		3.1769	0.8231	4		0	0.0025	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3		3.1422	0.8578	4		0	0.004	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4		3.1204	0.8796	4		0	0.0035	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5		3.1397	0.8603	4		0	0.0021	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1		3.1349	0.8651	4		0	0.004	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2		3.2079	0.7921	4		0	0.0043	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3		3.1325	0.8675	4		0	0.0022	0.0647
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4		3.1226	0.8774	4		0	0.0041	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5		3.1252	0.8748	4		0	0.0027	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1		3.2083	0.7917	4		0	0.0013	0.0157
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2		3.3073	0.6927	4		0	0.001	0.0382
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3		3.1427	0.8573	4		0	0.005	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4		3.1664	0.8336	4		0.0003	0.0082	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5		3.1508	0.8492	4		0	0.0088	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1		3.1231	0.8769	4		0	0.01	0.0195
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2		3.1089	0.8911	4		0	0.01	0.0183
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3		3.17	0.83	4		0	0.0027	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4		3.199	0.801	4		0	0.0026	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5		3.1552	0.8448	4		0.001	0.0016	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6		3.1492	0.8508	4		0	0.0019	0.0256
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1		3.1009	0.8991	4		0.0001	0	0.0625
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2		3.1509	0.8491	4		0	0.0032	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3		3.1191	0.8809	4		0	0.0043	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1		3.1157	0.8843	4		0	0.0029	0.042
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2		3.1271	0.8729	4		0	0.0068	0.0705
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3		3.0769	0.9231	4		0	0.0022	0.014
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1		3.1308	0.8692	4		0	0.003	0.073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2		3.1332	0.8668	4		0	0.0027	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3		3.1537	0.8463	4		0	0.0048	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4		3.1408	0.8592	4		0	0.0009	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5		3.1618	0.8382	4		0	0.002	0.0742
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1		3.1997	0.8003	4		0	0.0049	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2		3.1211	0.8789	4		0	0.0076	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3		3.1571	0.8429	4		0	0.0069	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1		3.2867	0.7133	4		0.0006	0.013	0.0976
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2		3.1522	0.8478	4		0	0.0076	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3		3.1205	0.8795	4		0.0009	0.0093	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4		3.134	0.866	4		0.0027	0.0045	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1		3.1178	0.8822	4		0	0.0012	0.0163
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2		3.1098	0.8902	4		0	0.001	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1		3.1191	0.8809	4		0	0.0068	0.1241
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3		3.1063	0.8937	4		0.0002	0.0052	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4		3.1376	0.8624	4		0	0.0047	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5		3.2059	0.7941	4		0	0.0101	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6		3.246	0.754	4		0	0.0109	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7		3.3156	0.6844	4		0	0.0127	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2		3.1112	0.8888	4		0	0.0047	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3		3.1183	0.8817	4		0	0.0046	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4		3.1099	0.8901	4		0	0.0064	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5		3.2655	0.7345	4		0	0.0094	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1		3.054	0.946	4		0.0008	0.0139	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2		3.1239	0.8761	4		0	0.0088	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3		3.1649	0.8351	4		0.0024	0.0137	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1		3.1044	0.8956	4		0.0016	0.0153	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2		3.1634	0.8366	4		0	0.0042	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3		3.1748	0.8252	4		0.0002	0.0141	0.0179
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4		3.002	0.998	4		0.0054	0.0069	0.069
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5		3.228	0.772	4		0.0008	0.019	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1		3.1042	0.8958	4		0.0027	0.0207	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2		3.1353	0.8647	4		0	0.0168	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3		3.1179	0.8821	4		0	0.0123	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1		3.1021	0.8979	4		0	0.011	0.0815
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2		3.1325	0.8675	4		0.0065	0.0382	0.0993
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3		3.1307	0.8693	4		0.0085	0.0418	0.1533
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4		3.1247	0.8753	4		0.0029	0.026	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5		3.1139	0.8861	4		0	0.0231	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1		3.1068	0.8932	4		0	0.0218	0.0468
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2		3.1284	0.8716	4		0	0.0248	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3		3.1069	0.8931	4		0	0.0218	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4		3.1088	0.8912	4		0	0.0209	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5		3.1091	0.8909	4		0	0.0254	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1		3.1271	0.8729	4		0.0008	0.0185	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2		3.0961	0.9039	4		0	0.0135	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3		3.1118	0.8882	4		0	0.0182	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4		3.1077	0.8923	4		0	0.0093	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1		3.3898	0.6102	4		0	0	0.3717
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2		3.3529	0.6471	4		0.0009	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3		3.3067	0.6933	4		0.0044	0	0.3279
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1		3.1213	0.8787	4		0.0008	0.0096	0.0858
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2		3.0949	0.9051	4		0	0.0172	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3		3.1363	0.8637	4		0	0.0239	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4		3.1508	0.8492	4		0.0006	0.0289	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5		3.1302	0.8698	4		0	0.0242	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1		3.4128	0.5872	4		0	0.0037	0.3276
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2		3.3817	0.6183	4		0	0.0016	0.312
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3		3.327	0.673	4		0.0002	0.0041	0.3198
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1		3.1894	0.8106	4		0.006	0.0237	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2		3.1805	0.8195	4		0.0079	0.0324	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3		3.1685	0.8315	4		0.0085	0.0315	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1		3.0536	0.9464	4		0	0.0138	0.1074
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2		3.1093	0.8907	4		0	0.0212	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3		3.0931	0.9069	4		0	0.0127	0.0697
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4		3.0701	0.9299	4		0	0.0177	0.0648
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5		3.0751	0.9249	4		0	0.0145	0.0186
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6		3.1049	0.8951	4		0	0.0146	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1		3.0898	0.9102	4		0.0015	0.0286	0.0176
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2		3.0617	0.9383	4		0	0.01	0.0184

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3		3.1139	0.8861	4		0.0027	0.0301	0.0173
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4		3.0739	0.9261	4		0.0014	0.0266	0.0165
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5		3.3963	0.6037	4		0.0026	0.0031	0.008
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6		3.3534	0.6466	4		0.0023	0.0047	0.0377
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7		3.3218	0.6782	4		0	0.0014	0.0496
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1		3.1242	0.8758	4		0	0.0201	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2		3.1	0.9	4		0	0.0177	0.0302
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3		3.146	0.854	4		0	0.0199	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4		3.1482	0.8518	4		0.0023	0.0198	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5		3.1586	0.8414	4		0	0.0148	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1		3.1776	0.8224	4		0	0.0011	0.0379
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2		3.1813	0.8187	4		0	0.0009	0.034
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3		3.271	0.729	4		0	0.0059	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4		3.1866	0.8134	4		0	0.0044	0.043
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1		3.3735	0.6265	4		0	0.0095	0.0545
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2		3.417	0.583	4		0	0.0027	0.0511
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3		3.4193	0.5807	4		0.0036	0.0094	0.0644
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4		3.2939	0.7061	4		0	0.007	0.0757
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1		3.4118	0.5882	4		0.002	0.0037	0.0512
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2		3.4175	0.5825	4		0.0026	0.0093	0.0802
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3		3.3836	0.6164	4		0.0001	0.0069	0.0499
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4		3.3829	0.6171	4		0	0.0013	0.0398
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1		3.3048	0.6952	4		0	0.0125	0.0572
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2		3.2709	0.7291	4		0	0.0116	0.0177
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3		3.226	0.774	4		0.0002	0.012	0.104
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4		3.3866	0.6134	4		0.0022	0.0114	0.0852
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5		3.2948	0.7052	4		0	0.0117	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6		3.3045	0.6955	4		0	0.0092	0.0474
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1		3.1864	0.8136	4		0	0.0089	0.1075
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2		3.0703	0.9297	4		0	0.0123	0.1794
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1		3.3038	0.6962	4		0	0.0171	0.0496
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1		3.2703	0.7297	4		0	0.0152	0.0585
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2		3.415	0.585	4		0	0.0066	0.0505
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1		3.3758	0.6242	4		0	0.004	0.0548
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1		3.0999	0.9001	4		0	0.0032	0.0581
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2		3.0829	0.9171	4		0	0.0015	0.0699
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3		3.1079	0.8921	4		0	0.0016	0.0798
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4		3.1526	0.8474	4		0.0027	0.0095	0.11
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5		3.1374	0.8626	4		0	0.003	0.0992
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6		3.4032	0.5968	4		0	0.0141	0.0836
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1		3.1231	0.8769	4		0	0.0101	0.1006
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2		3.1033	0.8967	4		0.0004	0.0116	0.0183
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3		3.0852	0.9148	4		0	0.0022	0.0771
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4		3.0722	0.9278	4		0.0026	0.0016	0.0193
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5		3.0713	0.9287	4		0	0.003	0.0832
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1		3.1046	0.8954	4		0	0.0076	0.0798
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2		3.0979	0.9021	4		0	0.0036	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3		3.1168	0.8832	4		0	0.0036	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4		3.1152	0.8848	4		0.0007	0.0062	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1		3.138	0.862	4		0.0032	0.0098	0.0898
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2		3.1334	0.8666	4		0.0019	0.0097	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3		3.1059	0.8941	4		0.0108	0.01	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4		3.161	0.839	4		0.0034	0.0085	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5		3.1219	0.8781	4		0.001	0.0031	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1		3.1183	0.8817	4		0.0011	0.0029	0.051
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2		3.1392	0.8608	4		0.0015	0.0047	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3		3.0941	0.9059	4		0.0003	0.0046	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1		3.0868	0.9132	4		0	0.0014	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2		3.1171	0.8829	4		0	0.0021	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3		3.1005	0.8995	4		0	0.006	0.0877
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4		3.0929	0.9071	4		0	0.002	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5		3.116	0.884	4		0	0.0023	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1		3.1467	0.8533	4		0	0.0118	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2		3.1451	0.8549	4		0	0.0076	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3		3.1331	0.8669	4		0.0008	0.0035	0.0189
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4		3.114	0.886	4		0	0.0016	0.08
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1		3.0211	0.9789	4		0	0.0057	0.0189
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2		3.0414	0.9586	4		0	0.0074	0.0852
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3		3.0503	0.9497	4		0	0.0047	0.0819
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4		3.0123	0.9877	4		0	0.0047	0.0186
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1		3.1074	0.8926	4		0	0.004	0.0662
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2		3.1415	0.8585	4		0	0.0041	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3		3.1118	0.8882	4		0	0.0029	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4		3.1293	0.8707	4		0.0051	0.0046	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5		3.1703	0.8297	4		0.0038	0.0019	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6		3.1377	0.8623	4		0	0.0039	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7		3.1154	0.8846	4		0	0.0026	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8		3.1223	0.8777	4		0	0.0039	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1		3.1085	0.8915	4		0	0.0045	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2		3.1052	0.8948	4		0	0.0027	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3		3.1074	0.8926	4		0	0.004	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4		3.1288	0.8712	4		0	0.002	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5		3.1542	0.8458	4		0	0.0038	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6		3.1384	0.8616	4		0	0.0082	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1		3.1204	0.8796	4		0.0108	0.011	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2		3.1436	0.8564	4		0	0.0103	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3		3.1608	0.8392	4		0.0071	0.0128	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4		3.158	0.842	4		0.0057	0.011	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5		3.0933	0.9067	4		0	0.0068	0.0181
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1		3.1493	0.8507	4		0	0.0022	0.0533
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2		3.1291	0.8709	4		0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3		3.1169	0.8831	4		0.0053	0.0096	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4		3.112	0.888	4		0	0.0033	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5		3.1277	0.8723	4		0	0.0026	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6		3.1388	0.8612	4		0	0.0052	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2		3.2267	0.7733	4		0	0.0009	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3		3.2368	0.7632	4		0	0.0008	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1		2.7516	1.2484	4		0	0.1774	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2		3.2975	0.7025	4		0	0.0046	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1		2.9557	1.0443	4		0	0.0267	0.0133
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2		3.0722	0.9278	4		0	0.0206	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1		3.126	0.874	4		0	0.0171	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2		3.1253	0.8747	4		0	0.0079	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2		3.1375	0.8625	4		0	0.016	0.0495
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3		3.1508	0.8492	4		0	0.0236	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1		3.1121	0.8879	4		0	0.0149	0.0473
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2		3.1197	0.8803	4		0	0.0183	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3		3.1223	0.8777	4		0.0002	0.0156	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1		3.2598	0.7402	4		0	0.0003	0.0875
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2		3.3181	0.6819	4		0	0.0023	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3		3.2966	0.7034	4		0	0.0014	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1		3.14	0.86	4		0.0007	0.0258	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2		3.1605	0.8395	4		0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1		3.1169	0.8831	4		0	0.0227	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2		3.1569	0.8431	4		0	0.0107	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3		3.1253	0.8747	4		0	0.0223	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4		3.1073	0.8927	4		0	0.0209	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1		3.1188	0.8812	4		0	0.0119	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2		3.1346	0.8654	4		0.0006	0.0105	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3		3.0835	0.9165	4		0	0.0028	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1		3.0965	0.9035	4		0	0.0094	0.0777
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2		3.1005	0.8995	4		0	0.034	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3		3.0806	0.9194	4		0	0.0095	0.0187
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4		3.0782	0.9218	4		0	0.0362	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5		3.1108	0.8892	4		0	0.0138	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1		3.0878	0.9122	4		0	0.0323	0.0468
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2		3.2109	0.7891	4		0	0.0163	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3		3.1852	0.8148	4		0	0.0175	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1		3.1699	0.8301	4		0	0.0272	0.0884
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2		3.107	0.893	4		0	0.0434	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3		3.1923	0.8077	4		0	0.0303	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1		3.1019	0.8981	4		0	0.0007	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2		3.1049	0.8951	4		0	0.001	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3		3.0907	0.9093	4		0	0.0077	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1		3.085	0.915	4		0	0.0077	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2		3.1462	0.8538	4		0.0008	0.0307	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3		3.129	0.871	4		0	0.0094	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1		3.1142	0.8858	4		0	0.009	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2		3.1819	0.8181	4		0	0.0202	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3		3.181	0.819	4		0	0.0247	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1		3.0365	0.9635	4		0	0.0019	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2		3.121	0.879	4		0	0.0017	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3		3.0941	0.9059	4		0.0008	0.0001	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4		3.102	0.898	4		0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1		3.118	0.882	4		0.001	0.0084	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2		3.1208	0.8792	4		0	0.0107	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3		3.1338	0.8662	4		0.0024	0.0033	0.017

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4		3.1074	0.8926	4		0	0.0061	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5		3.0812	0.9188	4		0.0005	0.0049	0.1192
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1		3.0731	0.9269	4		0	0.0095	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2		3.0769	0.9231	4		0	0.0056	0.1262
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3		3.1109	0.8891	4		0	0.0118	0.0164
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4		3.1484	0.8516	4		0	0.0109	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5		3.1199	0.8801	4		0	0.0097	0.0186
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1		3.0718	0.9282	4		0	0.0069	0.0827
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2		3.0697	0.9303	4		0	0.0078	0.0985
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3		3.053	0.947	4		0	0.0081	0.0182
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4		3.0622	0.9378	4		0	0.0147	0.0185
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5		3.1306	0.8694	4		0	0.0085	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6		3.0512	0.9488	4		0	0.0026	0.0184
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7		3.0101	0.9899	4		0	0.0097	0.0184
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2		3.1242	0.8758	4		0	0.0072	0.0181
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3		3.1393	0.8607	4		0	0.0143	0.0175
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4		3.0962	0.9038	4		0	0.0136	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5		3.0947	0.9053	4		0	0.0054	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1		3.0981	0.9019	4		0.0066	0.0047	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2		3.105	0.895	4		0	0.0077	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3		3.0952	0.9048	4		0.0026	0.0069	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4		3.0777	0.9223	4		0	0.0093	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5		3.1796	0.8204	4		0.0022	0.0117	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1		3.1081	0.8919	4		0.0004	0.0127	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2		3.0562	0.9438	4		0	0.0054	0.0182
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3		3.1772	0.8228	4		0	0.0139	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4		3.0687	0.9313	4		0	0.005	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5		3.3816	0.6184	4		0.0032	0.0112	0.0729
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1		3.1406	0.8594	4		0.0041	0.0063	0.1401
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2		3.0812	0.9188	4		0	0.0123	0.0259
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4		3.1437	0.8563	4		0.0019	0.0093	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5		3.2053	0.7947	4		0	0.0059	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1		3.0682	0.9318	4		0.0039	0.0102	0.0615
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2		3.0456	0.9544	4		0	0.0109	0.019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3		3.1087	0.8913	4		0	0.014	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4		3.0333	0.9667	4		0	0.0025	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5		3.0645	0.9355	4		0	0.0087	0.0952
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1		3.1219	0.8781	4		0	0.0082	0.0175
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2		3.1556	0.8444	4		0.0007	0.0082	0.0177
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3		3.1573	0.8427	4		0	0.0053	0.1297
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4		3.2861	0.7139	4		0	0.0045	0.1477
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1		3.6365	0.3635	4		0	0	0.0869
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2		3.8623	0.1377	4		0	0	0.0166
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3		3.8438	0.1562	4		0	0	0.1053
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4		3.7837	0.2163	4		0	0.0007	0.0552
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5		3.8107	0.1893	4		0	0.0002	0.0969
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6		3.8738	0.1262	4		0	0	0.0748
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1		3.3397	0.6603	4		0	0	0.0756
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2		3.341	0.659	4		0.0022	0.0009	0.1104

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3		3.3825	0.6175	4		0	0.0016	0.2597
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4		3.4028	0.5972	4		0	0.0002	0.1295
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5		3.4541	0.5459	4		0.0006	0	0.0932
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1		3.7501	0.2499	4		0	0	0.1524
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2		3.3852	0.6148	4		0	0	0.1346
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3		3.4857	0.5143	4		0	0	0.0967
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4		3.2903	0.7097	4		0.0032	0.0021	0.2289
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5		3.2472	0.7528	4		0.0021	0.0001	0.0619
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6		3.4187	0.5813	4		0	0.0059	0.1459
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7		3.3594	0.6406	4		0.0008	0.0002	0.114
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1		3.38	0.62	4		0.0009	0.0012	0.1253
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2		3.1894	0.8106	4		0.0031	0.0025	0.2511
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3		3.3554	0.6446	4		0	0.0008	0.1867
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4		3.4823	0.5177	4		0	0.0002	0.1011
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5		3.1583	0.8417	4		0.001	0.0011	0.1953
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1		3.38	0.62	4		0	0.0007	0.213
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2		3.3924	0.6076	4		0	0.0016	0.2572
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3		3.3235	0.6765	4		0	0.0003	0.1882
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4		3.3507	0.6493	4		0	0	0.2632
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5		3.3352	0.6648	4		0.0013	0.0012	0.1187
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6		3.3803	0.6197	4		0	0.0011	0.2664
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7		3.3549	0.6451	4		0	0.0021	0.3247
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8		3.456	0.544	4		0.0006	0	0.1154
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1		3.3121	0.6879	4		0.0013	0.0007	0.1036
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2		3.4342	0.5658	4		0	0.0017	0.1072
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3		3.4707	0.5293	4		0	0	0.1037
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4		3.3601	0.6399	4		0.0002	0	0.1736
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5		3.3163	0.6837	4		0	0.0025	0.1792
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1		3.4842	0.5158	4		0	0	0.088
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2		3.464	0.536	4		0	0.0019	0.0909
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3		3.4608	0.5392	4		0	0	0.1075
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4		3.3258	0.6742	4		0	0	0.3108
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5		3.4889	0.5111	4		0	0	0.0971
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1		3.4539	0.5461	4		0	0.0014	0.1129
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2		3.3623	0.6377	4		0	0.0009	0.0422
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1		3.1213	0.8787	4		0.0035	0.0013	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2		3.1163	0.8837	4		0.0032	0.0011	0.0232
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3		3.0728	0.9272	4		0.0024	0.0025	0.1018
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4		3.1596	0.8404	4		0.0072	0.0006	0.1718
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5		3.1376	0.8624	4		0	0.0016	0.1626
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1		3.5182	0.4818	4		0	0.0009	0.0955
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2		3.4208	0.5792	4		0	0.0024	0.3087
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3		3.132	0.868	4		0.0059	0.0021	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4		3.1328	0.8672	4		0.0019	0.0027	0.0292
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5		3.1586	0.8414	4		0.0043	0.0012	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6		3.134	0.866	4		0.0025	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7		3.1648	0.8352	4		0.0028	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8		3.1191	0.8809	4		0	0.0008	0.0185
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9		3.135	0.865	4		0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10		3.1601	0.8399	4		0.0013	0.0011	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1		3.8421	0.1579	4		0	0.0008	0.2412
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2		3.7341	0.2659	4		0	0	0.1591
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3		3.192	0.808	4		0.0021	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4		3.71	0.29	4		0	0.0016	0.2273
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5		3.837	0.163	4		0	0.0004	0.249
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1		3.4616	0.5384	4		0.0014	0.0002	0.0885
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2		3.4713	0.5287	4		0.0002	0	0.0761
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3		3.1012	0.8988	4		0.0014	0.0004	0.019
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4		3.765	0.235	4		0	0.0001	0.0497
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5		3.7533	0.2467	4		0	0.0007	0.0524
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6		3.7623	0.2377	4		0	0.0006	0.0453
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1		3.132	0.868	4		0.0008	0	0.1302
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2		3.1114	0.8886	4		0.0029	0	0.0187
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3		3.1446	0.8554	4		0.0036	0	0.018
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1		3.7768	0.2232	4		0	0	0.0855
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2		3.7041	0.2959	4		0	0	0.242
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3		3.7364	0.2636	4		0.002	0	0.1417
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4		3.5178	0.4822	4		0.002	0.0008	0.1796
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5		3.6412	0.3588	4		0	0.0005	0.3462
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1		3.1208	0.8792	4		0.0055	0.0015	0.1245
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2		3.1222	0.8778	4		0.0033	0	0.0311
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1		3.093	0.907	4		0.0012	0.0013	0.0564
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2		3.0918	0.9082	4		0.0107	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3		3.0391	0.9609	4		0.0053	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4		3.0267	0.9733	4		0.0128	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5		3.0676	0.9324	4		0.0091	0.0011	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6		3.0548	0.9452	4		0.0103	0	0.0718
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1		3.0856	0.9144	4		0.0006	0.0003	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2		3.1057	0.8943	4		0.0029	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3		3.0849	0.9151	4		0.0039	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1		3.034	0.966	4		0.0128	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2		3.0699	0.9301	4		0.0056	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3		3.0165	0.9835	4		0.0092	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4		3.0877	0.9123	4		0.0045	0.0017	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5		3.084	0.916	4		0.0052	0.0005	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1		3.0588	0.9412	4		0.0095	0.0005	0.0558
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2		2.9665	1.0335	4		0.0078	0.0001	0.0943
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3		3.0896	0.9104	4		0.0043	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4		3.1311	0.8689	4		0.0018	0.0016	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5		3.1484	0.8516	4		0.0013	0	0.2074
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1		3.1002	0.8998	4		0.0037	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2		3.1174	0.8826	4		0.0018	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3		3.1209	0.8791	4		0.0032	0.0008	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4		3.1122	0.8878	4		0.0021	0.0001	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5		3.1013	0.8987	4		0.0022	0.0003	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1		3.0205	0.9795	4		0.0044	0	0.0525
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2		3.0686	0.9314	4		0.0057	0.0004	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3		3.0199	0.9801	4		0.0148	0.001	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	4		3.057	0.943	4		0.0143	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	5		3.0695	0.9305	4		0.0044	0.0003	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	1		3.092	0.908	4		0.002	0.0014	0.0881
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	2		3.1354	0.8646	4		0.0106	0.0006	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	3		3.1265	0.8735	4		0.0073	0.0019	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	1		3.0642	0.9358	4		0.002	0.0002	0.0643
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	2		3.0868	0.9132	4		0.0007	0.0019	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	3		3.1094	0.8906	4		0.0061	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	4		3.1179	0.8821	4		0.0039	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	5		3.0501	0.9499	4		0.0056	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	1		3.1353	0.8647	4		0	0.005	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	2		3.1325	0.8675	4		0.0022	0.0063	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	3		3.1413	0.8587	4		0.0034	0.0042	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	4		3.1404	0.8596	4		0.0005	0.0038	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	5		3.1395	0.8605	4		0	0.0036	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	1		3.1354	0.8646	4		0	0.0038	0.1126
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	2		3.1438	0.8562	4		0	0.0027	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	3		3.1564	0.8436	4		0	0.0033	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	1		3.1328	0.8672	4		0.0006	0.0197	0.1384
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	2		3.1003	0.8997	4		0.0015	0.0056	0.1259
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	3		3.125	0.875	4		0.0009	0.0061	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	4		3.1824	0.8176	4		0.0036	0.021	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	5		3.1065	0.8935	4		0.0009	0.0049	0.114
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	6		3.0977	0.9023	4		0.0015	0.0051	0.0241
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	7		3.1662	0.8338	4		0	0.026	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	8		3.1053	0.8947	4		0	0.0093	0.0253
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	1		3.1003	0.8997	4		0.0027	0.0049	0.0855
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	2		3.0898	0.9102	4		0.0018	0.0045	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	3		3.1174	0.8826	4		0.0045	0.0034	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	4		3.0376	0.9624	4		0.0026	0.0024	0.019
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	5		3.0996	0.9004	4		0.0025	0.0029	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	6		3.1088	0.8912	4		0.0011	0.0008	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	1		3.0923	0.9077	4		0.0021	0.0068	0.0182
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	2		3.1547	0.8453	4		0	0.0111	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	3		3.1377	0.8623	4		0.0025	0.0094	0.1266
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	4		3.1237	0.8763	4		0	0.0059	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	5		3.1485	0.8515	4		0	0.0052	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	1		3.1226	0.8774	4		0.0032	0.0608	0.1309
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	2		3.1432	0.8568	4		0.0059	0.0253	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	3		3.1331	0.8669	4		0.0035	0.013	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	4		3.1666	0.8334	4		0.0043	0.0541	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	5		3.1735	0.8265	4		0.0033	0.0386	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	1		3.1135	0.8865	4		0.004	0.048	0.1743
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	2		3.1662	0.8338	4		0.0042	0.0304	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	3		3.0819	0.9181	4		0	0.0127	0.0179
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	5		3.1213	0.8787	4		0.0038	0.0167	0.0176
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	1		3.0973	0.9027	4		0	0.0166	0.1626
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	2		3.095	0.905	4		0	0.0217	0.1613
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	3		3.1611	0.8389	4		0	0.0149	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4		3.0975	0.9025	4		0.0012	0.0146	0.1354
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5		3.1572	0.8428	4		0.0005	0.0224	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1		3.0818	0.9182	4		0.0029	0.0334	0.1936
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2		3.1253	0.8747	4		0.0033	0.0364	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3		3.1638	0.8362	4		0.0035	0.0257	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4		3.1359	0.8641	4		0.0025	0.0327	0.1628
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5		3.1413	0.8587	4		0.0015	0.0269	0.0876
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1		3.1509	0.8491	4		0	0.0082	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2		3.1714	0.8286	4		0	0.0082	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3		3.1545	0.8455	4		0.0037	0.0172	0.1594
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4		3.1491	0.8509	4		0	0.0136	0.0946
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5		3.1832	0.8168	4		0.0011	0.0182	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1		3.1703	0.8297	4		0	0.009	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2		3.1118	0.8882	4		0	0.0151	0.1976
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3		3.1745	0.8255	4		0.0016	0.0109	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1		3.1123	0.8877	4		0	0.0071	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2		3.1262	0.8738	4		0.0018	0.0096	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3		3.0943	0.9057	4		0.003	0.0032	0.0183
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4		3.1234	0.8766	4		0	0.003	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5		3.0073	0.9927	4		0.0007	0.0039	0.0711
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6		3.1203	0.8797	4		0	0.0034	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1		3.1659	0.8341	4		0.0071	0.0075	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2		3.1376	0.8624	4		0.0007	0.0049	0.1789
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1		3.1566	0.8434	4		0	0.0063	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2		3.1389	0.8611	4		0.0036	0.0083	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3		3.0578	0.9422	4		0	0.0078	0.1715
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4		3.1384	0.8616	4		0.0004	0.0132	0.0231
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5		3.0193	0.9807	4		0	0.003	0.0179
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6		3.0798	0.9202	4		0	0.0038	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7		3.0278	0.9722	4		0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8		3.0154	0.9846	4		0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1		2.9173	1.0827	4		0	0.0042	0.0232
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2		3.1022	0.8978	4		0	0.0027	0.1087
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3		3.1078	0.8922	4		0	0.0096	0.1976
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1		3.0484	0.9516	4		0	0.0031	0.1132
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2		3.0701	0.9299	4		0	0.0037	0.1138
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3		3.08	0.92	4		0.0013	0.006	0.1218
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1		3.0853	0.9147	4		0.0042	0.0233	0.1523
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2		3.102	0.898	4		0.0006	0.0151	0.0177
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3		3.08	0.92	4		0	0.004	0.029
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4		3.0935	0.9065	4		0	0.0038	0.0177
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5		3.105	0.895	4		0	0.003	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1		3.0527	0.9473	4		0.004	0.0056	0.1319
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2		3.1513	0.8487	4		0	0.0461	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3		3.1615	0.8385	4		0.0005	0.0177	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4		3.1165	0.8835	4		0	0.0018	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5		3.1286	0.8714	4		0	0.0032	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1		3.0966	0.9034	4		0	0.0051	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2		3.1373	0.8627	4		0.0077	0.0097	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3		3.1284	0.8716	4		0	0.0107	0.0995
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4		3.1262	0.8738	4		0	0.0053	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5		3.057	0.943	4		0.0059	0.0061	0.0176
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1		3.168	0.832	4		0	0.0088	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2		3.1372	0.8628	4		0.0026	0.0033	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3		3.1826	0.8174	4		0.0048	0.0183	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4		3.1401	0.8599	4		0.0054	0.0094	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5		3.1684	0.8316	4		0.0048	0.01	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1		3.1995	0.8005	4		0.0021	0.0121	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2		3.1745	0.8255	4		0	0.0118	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3		3.0582	0.9418	4		0.0044	0.0125	0.0178
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1		3.1204	0.8796	4		0	0.0011	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2		3.096	0.904	4		0	0.0042	0.0617
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1		3.1219	0.8781	4		0	0.0038	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2		3.1194	0.8806	4		0	0.0055	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3		3.1108	0.8892	4		0	0.0062	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4		3.1283	0.8717	4		0.0011	0.0046	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1		3.1415	0.8585	4		0.0005	0.0026	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2		3.1502	0.8498	4		0	0.0077	0.0822
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3		3.138	0.862	4		0.0006	0.0044	0.086
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4		3.1201	0.8799	4		0	0.0019	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5		3.0322	0.9678	4		0.0031	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1		3.1621	0.8379	4		0.0004	0.005	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3		3.2011	0.7989	4		0	0.0138	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4		3.1648	0.8352	4		0.0007	0.014	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5		3.0755	0.9245	4		0	0.0107	0.1801
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1		3.1217	0.8783	4		0.001	0.0121	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2		3.1469	0.8531	4		0	0.0056	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3		3.1476	0.8524	4		0	0.0132	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4		3.1668	0.8332	4		0	0.0327	0.1057
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1		3.1007	0.8993	4		0	0.0161	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2		3.0833	0.9167	4		0	0.0163	0.0178
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3		3.1205	0.8795	4		0	0.0157	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1		3.3323	0.6677	4		0	0.0455	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2		3.2934	0.7066	4		0	0.0236	0.5655
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3		3.317	0.683	4		0	0.0191	0.5305
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1		3.1516	0.8484	4		0.0039	0.013	0.1149
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2		3.1047	0.8953	4		0.0011	0.0127	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3		3.1598	0.8402	4		0.0017	0.0266	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4		3.1143	0.8857	4		0.0009	0.0198	0.0174
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5		3.0855	0.9145	4		0	0.0198	0.1255
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1		3.1179	0.8821	4		0.0027	0.0076	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2		3.1153	0.8847	4		0.0023	0.0076	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3		3.131	0.869	4		0.0024	0.0103	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1		3.114	0.886	4		0.0025	0.0141	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2		3.1604	0.8396	4		0.0015	0.0152	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3		3.0853	0.9147	4		0.005	0.0104	0.2284
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1		3.0892	0.9108	4		0.0025	0.0185	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2		3.1126	0.8874	4		0.0028	0.0195	0.0064

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3		3.0937	0.9063	4		0.0004	0.0172	0.0377
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4		3.1253	0.8747	4		0	0.013	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5		3.124	0.876	4		0.0024	0.0154	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1		3.0784	0.9216	4		0	0.0144	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2		3.07	0.93	4		0	0.0132	0.1218
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3		3.069	0.931	4		0.0002	0.0218	0.1403
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4		3.0698	0.9302	4		0	0.0172	0.1255
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5		3.1059	0.8941	4		0	0.0168	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1		3.1018	0.8982	4		0	0.0271	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2		3.13	0.87	4		0	0.0273	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1		3.1165	0.8835	4		0.0005	0.0099	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2		3.0998	0.9002	4		0	0.0132	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3		3.1087	0.8913	4		0	0.0186	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1		3.095	0.905	4		0	0.0124	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2		3.1132	0.8868	4		0	0.0085	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1		3.1085	0.8915	4		0	0.0215	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2		2.8993	1.1007	4		0	0.0214	0.0726
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3		3.1195	0.8805	4		0	0.0273	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1		3.1326	0.8674	4		0	0.0048	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2		3.1088	0.8912	4		0.0009	0.0092	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1		3.1141	0.8859	4		0	0.0137	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2		3.1097	0.8903	4		0	0.0157	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3		3.1142	0.8858	4		0.0005	0.0106	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2		3.1326	0.8674	4		0	0.0012	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3		3.1343	0.8657	4		0	0.0009	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1		3.1133	0.8867	4		0	0.0163	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2		3.1427	0.8573	4		0	0.0041	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3		3.1109	0.8891	4		0.0001	0.0118	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4		3.1064	0.8936	4		0	0.0234	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1		3.0754	0.9246	4		0	0.0025	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2		3.1079	0.8921	4		0	0.0043	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3		3.1177	0.8823	4		0	0.0025	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4		3.1091	0.8909	4		0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5		3.074	0.926	4		0	0.0001	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1		2.9852	1.0148	4		0	0	0.0179
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2		2.9724	1.0276	4		0	0	0.0676
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3		2.9696	1.0304	4		0	0	0.018
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1		3.1262	0.8738	4		0.0002	0.0013	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2		3.1218	0.8782	4		0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3		3.0995	0.9005	4		0.0007	0.0007	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4		3.119	0.881	4		0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5		3.142	0.858	4		0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1		3.1287	0.8713	4		0	0.0008	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2		3.0621	0.9379	4		0.0027	0.0022	0.0172
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3		3.0811	0.9189	4		0	0.0017	0.0904
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4		3.0822	0.9178	4		0	0	0.0693
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5		3.057	0.943	4		0.0032	0	0.0732
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1		3.1897	0.8103	4		0.0036	0	0.0182
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2		3.2044	0.7956	4		0.0023	0	0.0761

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1		3.0563	0.9437	4		0.0032	0.0012	0.025
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2		3.0876	0.9124	4		0.0018	0	0.0185
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3		3.0445	0.9555	4		0	0.0015	0.0178
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4		3.2164	0.7836	4		0.0034	0.0022	0.0537
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5		3.1994	0.8006	4		0.0048	0	0.0686
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1		3.086	0.914	4		0.0059	0.0007	0.0187
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2		3.1545	0.8455	4		0.0011	0.0011	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3		3.1402	0.8598	4		0.002	0.002	0.0189
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4		3.1197	0.8803	4		0.0026	0.0023	0.1387
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5		3.1226	0.8774	4		0	0.0007	0.0255
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1		3.082	0.918	4		0.0005	0.0033	0.0892
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2		3.0874	0.9126	4		0	0.0017	0.1814
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3		3.096	0.904	4		0.0077	0.0023	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4		3.1496	0.8504	4		0.0054	0.0005	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5		3.0835	0.9165	4		0	0.0027	0.2114
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1		3.127	0.873	4		0	0.0021	0.0192
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2		3.0924	0.9076	4		0.0019	0	0.1475
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3		3.1247	0.8753	4		0.0027	0.0018	0.0213
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4		3.1016	0.8984	4		0.0049	0.0013	0.0749
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5		3.1367	0.8633	4		0.002	0.0012	0.1264
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1		3.1073	0.8927	4		0.0018	0.0012	0.1286
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2		3.1142	0.8858	4		0	0.001	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3		3.108	0.892	4		0.0024	0	0.0212
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4		3.1533	0.8467	4		0.0017	0.0002	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5		3.1279	0.8721	4		0.0025	0.0004	0.0785
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1		3.2857	0.7143	4		0.0017	0.0008	0.1076
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2		3.1043	0.8957	4		0.0018	0.0011	0.1535
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3		3.1024	0.8976	4		0.0001	0	0.1541
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1		3.1563	0.8437	4		0.0033	0.0018	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2		3.1692	0.8308	4		0.0004	0.0001	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3		3.1327	0.8673	4		0.0017	0.0003	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4		3.1113	0.8887	4		0.0003	0.0004	0.0192
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5		3.1322	0.8678	4		0	0.0015	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6		3.1361	0.8639	4		0	0.0012	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1		3.1292	0.8708	4		0.0026	0.0068	0.0184
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2		3.1799	0.8201	4		0.0009	0.0089	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3		3.3227	0.6773	4		0.0014	0	0.0717
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4		3.1158	0.8842	4		0.0033	0.0006	0.134
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5		3.121	0.879	4		0.0032	0.001	0.0183
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1		3.1175	0.8825	4		0.004	0	0.054
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2		3.1744	0.8256	4		0.0036	0.0011	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3		3.1356	0.8644	4		0	0.0013	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4		3.1256	0.8744	4		0.005	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1		3.2237	0.7763	4		0.0048	0	0.014
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2		3.2085	0.7915	4		0.0045	0	0.0167
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3		3.197	0.803	4		0.0057	0	0.0443
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4		3.2109	0.7891	4		0.0065	0	0.0196
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5		3.261	0.739	4		0.0052	0	0.0762
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6		3.2296	0.7704	4		0.0011	0.0001	0.0705

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7		3.1446	0.8554	4		0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9		3.2583	0.7417	4		0.0012	0	0.0191
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10		3.2841	0.7159	4		0.0026	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1		3.1244	0.8756	4		0	0.0036	0.1261
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2		3.1325	0.8675	4		0.0018	0.0017	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3		3.1466	0.8534	4		0.0031	0.0011	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4		3.1591	0.8409	4		0.0021	0.0041	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5		3.1471	0.8529	4		0.0026	0.0047	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1		3.1189	0.8811	4		0.0313	0	0.0067
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2		3.1284	0.8716	4		0.0286	0	0.0042
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3		3.1104	0.8896	4		0.0114	0	0.0039
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4		3.1496	0.8504	4		0.001	0.0012	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5		3.1711	0.8289	4		0.0012	0.0007	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6		3.1354	0.8646	4		0.0061	0.002	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1		3.1539	0.8461	4		0.0024	0.0013	0.0194
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2		3.0951	0.9049	4		0.0023	0.0014	0.018
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3		3.0728	0.9272	4		0.0034	0.0032	0.0188
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4		3.1009	0.8991	4		0.0001	0.0002	0.0183
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5		3.0967	0.9033	4		0.0023	0.0009	0.0184
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1		3.101	0.899	4		0	0.0012	0.1329
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2		3.155	0.845	4		0	0.0002	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3		3.0826	0.9174	4		0	0.0118	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4		2.901	1.099	4		0.0079	0	0.0271
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5		3.252	0.748	4		0.0002	0	0.0721
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1		3.1151	0.8849	4		0.0023	0.0025	0.0192
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2		3.1171	0.8829	4		0	0.0004	0.1674
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3		3.0703	0.9297	4		0.0029	0.0036	0.0185
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1		3.0162	0.9838	4		0.0014	0.0002	0.0219
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2		3.0406	0.9594	4		0.0015	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3		3.0352	0.9648	4		0	0	0.0014
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4		3.0572	0.9428	4		0.0012	0	0.0187
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5		3.1541	0.8459	4		0	0	0.0773
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1		3.1048	0.8952	4		0	0.0006	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2		3.0667	0.9333	4		0.0023	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3		3.0429	0.9571	4		0.0012	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4		3.1154	0.8846	4		0.0007	0.0001	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5		3.1291	0.8709	4		0.0011	0	0.019
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6		3.0734	0.9266	4		0.0004	0	0.0705
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1		3.2057	0.7943	4		0	0.0004	0.0194
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2		3.0828	0.9172	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3		3.191	0.809	4		0.0015	0	0.018
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1		3.065	0.935	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2		3.071	0.929	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3		3.1471	0.8529	4		0.0006	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4		3.0838	0.9162	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5		3.1376	0.8624	4		0.0004	0	0.0181
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1		3.1307	0.8693	4		0.0009	0.0009	0.0166
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2		3.0874	0.9126	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3		3.0576	0.9424	4		0.0015	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4		3.1562	0.8438	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5		3.1372	0.8628	4		0.0006	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6		3.1588	0.8412	4		0.0005	0	0.0672
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1		3.1176	0.8824	4		0	0.0007	0.0617
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2		3.1255	0.8745	4		0	0	0.0198
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3		3.1634	0.8366	4		0	0.0003	0.0182
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4		3.0723	0.9277	4		0	0	0.0191
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5		3.1403	0.8597	4		0.0004	0	0.0198
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1		3.1576	0.8424	4		0	0.0007	0.0754
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2		3.1606	0.8394	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3		3.0514	0.9486	4		0	0.0007	0.0184
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4		3.1129	0.8871	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5		3.0936	0.9064	4		0.002	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6		3.1451	0.8549	4		0.0003	0	0.0351
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1		3.138	0.862	4		0.0026	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2		3.1179	0.8821	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3		3.1241	0.8759	4		0	0.0003	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4		3.2048	0.7952	4		0.0001	0	0.0201
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5		3.1308	0.8692	4		0.001	0	0.0196
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6		3.1917	0.8083	4		0	0	0.0805
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7		3.0766	0.9234	4		0.0002	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1		3.0583	0.9417	4		0.0027	0	0.0026
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2		3.0516	0.9484	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3		3.0701	0.9299	4		0.0022	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4		3.0624	0.9376	4		0.0024	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5		3.0743	0.9257	4		0.0041	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1		3.0032	0.9968	4		0.0004	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2		3.1007	0.8993	4		0.002	0.0002	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3		3.1106	0.8894	4		0	0.0006	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4		3.0916	0.9084	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5		3.1723	0.8277	4		0.0021	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1		3.2466	0.7534	4		0.0033	0.0001	0.0209
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2		3.1616	0.8384	4		0	0	0.0779
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3		3.1524	0.8476	4		0.0027	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4		3.0428	0.9572	4		0.0026	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5		3.0849	0.9151	4		0.0063	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1		3.0465	0.9535	4		0.0052	0	0.0012
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2		3.051	0.949	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3		3.0657	0.9343	4		0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4		3.0654	0.9346	4		0.0008	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5		3.0721	0.9279	4		0.0019	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1		3.1305	0.8695	4		0.0002	0.0316	0.0991
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2		3.1272	0.8728	4		0	0.0193	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3		3.1221	0.8779	4		0.0005	0.0228	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4		3.1164	0.8836	4		0	0.0168	0.0906
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1		3.0965	0.9035	4		0	0.0134	0.0778
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2		3.1241	0.8759	4		0.0009	0.04	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3		3.1351	0.8649	4		0	0.0193	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4		3.1518	0.8482	4		0.004	0.0258	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5		3.1347	0.8653	4		0	0.0222	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1		3.1228	0.8772	4		0	0.0203	0.0896
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2		3.1082	0.8918	4		0.0007	0.0216	0.0894
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3		3.1532	0.8468	4		0	0.0203	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4		3.1271	0.8729	4		0	0.0188	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5		3.1305	0.8695	4		0.0022	0.0185	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1		3.1117	0.8883	4		0	0.0188	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2		3.1241	0.8759	4		0.0016	0.0244	0.0839
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3		3.1529	0.8471	4		0	0.0207	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4		3.1534	0.8466	4		0	0.0239	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5		3.113	0.887	4		0	0.0241	0.0813
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1		3.1509	0.8491	4		0	0.0209	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2		3.1533	0.8467	4		0	0.0191	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3		3.1309	0.8691	4		0	0.0195	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4		3.1273	0.8727	4		0	0.0194	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1		3.1237	0.8763	4		0	0.0213	0.0766
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2		3.1294	0.8706	4		0	0.0218	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3		3.1284	0.8716	4		0	0.0196	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1		3.1293	0.8707	4		0	0.0205	0.0748
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2		3.1179	0.8821	4		0	0.0234	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3		3.1317	0.8683	4		0.0001	0.0284	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1		3.164	0.836	4		0	0.0129	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2		3.1742	0.8258	4		0	0.0156	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3		3.1825	0.8175	4		0	0.0163	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4		3.1943	0.8057	4		0	0.0091	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5		3.1845	0.8155	4		0.0011	0.0124	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1		3.1325	0.8675	4		0.0019	0.0253	0.0979
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2		3.1268	0.8732	4		0	0.0213	0.0987
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3		3.158	0.842	4		0	0.0214	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4		3.1477	0.8523	4		0.002	0.0138	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5		3.1206	0.8794	4		0	0.0184	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1		3.0868	0.9132	4		0.0005	0.0076	0.0769
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2		3.0881	0.9119	4		0	0.0059	0.0588
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3		3.1192	0.8808	4		0	0.0109	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4		3.132	0.868	4		0	0.0126	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5		3.1455	0.8545	4		0	0.0303	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1		3.119	0.881	4		0.0006	0.0108	0.081
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2		3.1104	0.8896	4		0	0.01	0.0813
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3		3.1071	0.8929	4		0	0.0156	0.0184
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4		3.1415	0.8585	4		0	0.0137	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5		3.1179	0.8821	4		0	0.0255	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3		3.1636	0.8364	4		0	0.0183	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4		3.1507	0.8493	4		0	0.0159	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1		3.0611	0.9389	4		0	0.0288	0.0798
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2		3.0694	0.9306	4		0	0.0267	0.0752
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3		3.1277	0.8723	4		0	0.0173	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4		3.1051	0.8949	4		0	0.0319	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5		3.1431	0.8569	4		0	0.0156	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1		3.0924	0.9076	4		0	0.03	0.08

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2		3.098	0.902	4		0	0.0303	0.0828
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3		3.1078	0.8922	4		0	0.0285	0.1053
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1		3.1179	0.8821	4		0	0.0101	0.1764
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2		3.1286	0.8714	4		0.0011	0.0088	0.1759
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3		3.1443	0.8557	4		0	0.0076	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1		3.1888	0.8112	4		0.0005	0.0001	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2		3.1538	0.8462	4		0.0011	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3		3.1363	0.8637	4		0.0003	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1		3.1096	0.8904	4		0.0004	0.0045	0.2564
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2		3.1608	0.8392	4		0.0023	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3		3.139	0.861	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4		3.157	0.843	4		0	0.0009	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5		3.1096	0.8904	4		0	0.0008	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1		3.1225	0.8775	4		0	0.0015	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2		3.1438	0.8562	4		0.0008	0.0004	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3		3.159	0.841	4		0	0.0029	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4		3.1575	0.8425	4		0	0.0019	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5		3.1756	0.8244	4		0	0.0013	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1		3.1306	0.8694	4		0.001	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2		3.1296	0.8704	4		0	0.0006	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3		3.1507	0.8493	4		0.0006	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4		3.1542	0.8458	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5		3.1569	0.8431	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1		3.1353	0.8647	4		0.0017	0.0013	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2		3.1906	0.8094	4		0	0.0009	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3		3.1705	0.8295	4		0	0.0022	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4		3.1399	0.8601	4		0	0.0022	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5		3.1623	0.8377	4		0	0.0026	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1		3.1182	0.8818	4		0.0048	0.0003	0.2481
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2		3.0697	0.9303	4		0.0015	0	0.2636
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3		3.1164	0.8836	4		0	0	0.099
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4		3.1928	0.8072	4		0	0.0024	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1		3.1484	0.8516	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2		3.132	0.868	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3		3.1395	0.8605	4		0	0.0014	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4		3.1736	0.8264	4		0	0.0028	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1		3.1619	0.8381	4		0.0013	0.0005	0.2451
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2		3.1681	0.8319	4		0	0.0003	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3		3.1549	0.8451	4		0	0.0002	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4		3.1637	0.8363	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5		3.1282	0.8718	4		0	0	0.3076
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1		3.1416	0.8584	4		0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2		3.0954	0.9046	4		0	0.0026	0.1114
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3		3.138	0.862	4		0.0001	0.0015	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4		3.1359	0.8641	4		0	0.0028	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5		3.1601	0.8399	4		0.0001	0.0006	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1		3.1659	0.8341	4		0	0.0016	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2		3.1628	0.8372	4		0	0.0026	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3		3.1401	0.8599	4		0	0.0028	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Si4+	Al3+	Total	Group	Sn4+	Ti4+	Fe3+
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4		3.0911	0.9089	4		0	0.0018	0.2286
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5		3.1617	0.8383	4		0	0.0037	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	0.0024	1.8459	0	0.0789	0.0004	0.1196	0	2.0504
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	0.0017	1.783	0	0.0834	0.0006	0.1464	0	2.0176
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	0.0034	1.8297	0	0.0727	0.0035	0.1165	0	2.0298
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	0.0003	1.8386	0	0.0737	0	0.1083	0	2.0244
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	0.0029	1.841	0	0.0702	0.0013	0.1089	0	2.0264
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	0.0025	1.8416	0	0.0748	0	0.1192	0	2.0421
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	0.0028	1.747	0	0.0975	0.0027	0.169	0	2.0233
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0.003	1.8161	0	0	0	0.0912	0	1.9772
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	0.0028	1.8221	0	0.0733	0	0.1203	0	2.0226
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	0.002	1.8451	0	0.0742	0.0007	0.0888	0	2.0136
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	0.0017	1.7447	0	0.0459	0.0015	0.1102	0.2378	2.1589
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	0.0023	1.7248	0	0.0321	0.0008	0.1607	0.1104	2.0704
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0.0017	1.7593	0	0.1211	0.0014	0.159	0	2.0474
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0.0021	1.8052	0	0.0798	0.0006	0.1108	0	2.007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	0.0024	1.7971	0	0.1017	0	0.1229	0	2.0329
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	0.0027	1.8464	0	0.0597	0.0017	0.1133	0.2006	2.2539
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0	0.0033	1.7638	0	0.0575	0.0022	0.1181	0.2096	2.1828
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	0.0025	1.8318	0	0.0824	0.0003	0.1121	0	2.0318
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	0.002	1.8311	0	0.0693	0	0.1224	0	2.0275
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	0.0036	1.8565	0	0.0628	0	0.0975	0	2.0229
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	0.0018	1.8338	0	0.0326	0	0.1064	0.0933	2.0954
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	0.0042	1.8326	0	0.0191	0	0.114	0.0747	2.1073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0.0023	1.7827	0	0.0995	0.0006	0.1422	0	2.0305
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	0.0034	1.7876	0	0.0843	0	0.1832	0	2.0629
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	0.0044	1.8374	0	0.031	0	0.1185	0.0635	2.0997
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0.0015	0.0039	1.7645	0	0	0	0.1405	0.0654	2.0531
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0	0.0029	1.7777	0	0.0436	0.0011	0.0988	0.2673	2.2075
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	0.0036	1.8272	0	0.011	0	0.1441	0.011	2.0728
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	0.0035	1.8415	0	0.0662	0.001	0.1011	0	2.0159
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	0.002	1.7843	0	0.1145	0.0007	0.1437	0	2.05
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	0.0033	1.8315	0	0.0718	0.001	0.0996	0	2.0081
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	0.0041	1.8003	0	0	0	0.095	0.0635	2.0391
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	0.0023	1.8338	0	0.0747	0.0013	0.0992	0	2.0164
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0.0013	1.8427	0	0.0682	0.0022	0.086	0	2.0078
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	0.0037	1.8105	0	0.0758	0.0011	0.1173	0	2.0153
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	0.0012	1.7373	0	0.0106	0.0029	0.1719	0.0144	2.0496
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	0.0016	1.8047	0	0.1212	0.0037	0.102	0	2.0408
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	0.002	1.8384	0	0.1006	0.0014	0.0838	0	2.0365
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	0.0014	1.8272	0	0.125	0.0005	0.0786	0	2.0398
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0.0024	0.0014	1.9969	0	0	0	0.0146	0.0406	2.0734
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	0.003	1.9648	0	0.0184	0	0.0152	0	2.0024
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0.0024	1.769	0	0.0253	0.002	0.1256	0	2.0552
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	0.005	1.8142	0	0.1221	0.0008	0.0979	0	2.0455
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	0.003	1.8218	0	0.1081	0.004	0.1017	0	2.0433
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	0.0048	1.7174	0	0.1681	0.0008	0.1523	0	2.0535
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	0.0035	1.7167	0	0.1424	0.0012	0.1677	0	2.0423
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	0.0031	1.7085	0	0.1076	0	0.1742	0	2.0061
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	0.002	1.8656	0	0.092	0.0018	0.0713	0	2.0375
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	0.0015	1.8896	0	0.089	0	0.0442	0	2.0289

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	0.0025	1.8842	0	0.0847	0.0022	0.058	0	2.038
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	0.0039	1.7438	0	0.1159	0.0002	0.1559	0	2.029
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	0.0011	1.9194	0	0.0836	0.0001	0.0429	0	2.0618
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	0.0032	1.8053	0	0.1343	0.0016	0.1003	0	2.0534
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	0.0014	1.8257	0	0.0794	0.0008	0.0773	0	2.0007
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	0.0029	1.8477	0	0.0992	0.0012	0.092	0	2.0599
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	0.0029	1.7371	0	0.1731	0.0021	0.1496	0	2.0691
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	0.0029	1.6715	0	0.119	0.0042	0.1246	0.2499	2.2043
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0.0028	1.8953	0	0.0201	0.0031	0.0445	0.0428	2.0899
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	0.0024	1.6814	0	0.2013	0.0019	0.1632	0	2.0699
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	0.0028	1.8899	0	0.061	0.0019	0.0584	0	2.0375
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	0.0026	1.876	0	0.062	0.0002	0.0554	0	2.013
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	0.004	1.8642	0	0.0754	0.0014	0.0637	0	2.021
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	0.0038	1.8793	0	0.0116	0.0025	0.0507	0.016	2.0565
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	0.0041	1.6617	0	0.0814	0.0012	0.0854	0.1567	2.1345
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	0.0047	1.5275	0	0.1398	0.0048	0.1115	0.2153	2.2071
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	0.0029	1.8686	0	0.0706	0.001	0.054	0	2.0261
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0.0029	1.8789	0	0.0721	0	0.0535	0	2.0305
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	0.0015	1.8724	0	0.0073	0	0.0606	0.0618	2.0722
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	0.0027	1.8723	0	0.0553	0.0008	0.0613	0	2.0172
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0.0044	1.8746	0	0.0576	0.0028	0.0602	0	2.0215
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0.0027	1.8764	0	0.0684	0.0012	0.0569	0	2.0266
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	0.0037	1.8778	0	0.0556	0.0022	0.0569	0	2.0216
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	0.0014	1.8923	0	0.0597	0.0007	0.0523	0	2.0258
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	0.0039	1.8867	0	0.0748	0.0003	0.0608	0	2.04
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0.0043	1.8873	0	0.0589	0	0.0529	0	2.0216
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	0.0034	1.8788	0	0.0917	0.0025	0.0498	0	2.0354
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	0.0023	1.2691	0	0.0829	0.0047	0.1373	0.3246	2.1926
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	0.0011	1.2817	0	0.4022	0.0058	0.1323	0.7931	2.6172
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	0.0012	1.2434	0	0.0842	0.0072	0.1236	0.6147	2.4065
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	0.0026	1.8666	0	0.0129	0.0019	0.0542	0.0178	2.0522
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0.0057	1.8653	0	0.0903	0.0011	0.0549	0	2.0346
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	0.0032	1.8677	0	0.0702	0.0002	0.0495	0	2.0148
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0.004	1.7942	0	0.1214	0.0014	0.085	0	2.0356
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0.0036	1.8251	0	0.1072	0.0016	0.0688	0	2.0305
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	0.0019	1.3027	0	0.1051	0.0065	0.126	0.2786	2.1522
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	0.0026	1.1991	0	0.0783	0.0048	0.1262	0.7435	2.4681
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	0.0042	1.2346	0	0.0808	0.0056	0.1293	0.6335	2.412
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	0.0032	1.7422	0	0.2046	0.0009	0.0798	0	2.0603
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0.0004	1.7377	0	0.1865	0.0025	0.0749	0	2.0424
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	0.0024	1.7485	0	0.1767	0.0038	0.0706	0	2.0421
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	0.003	1.8363	0	0.0225	0.0009	0.0557	0.0427	2.0822
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	0.0054	1.8719	0	0.0694	0.0023	0.0526	0	2.0229
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0.0004	0.0011	1.8606	0	0	0	0.0527	0.0394	2.0366
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0.0017	0.0028	1.8468	0	0	0	0.0597	0.0843	2.0778
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0	0.0024	1.8015	0	0.0531	0	0.0618	0.2613	2.213
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	0.0052	1.8637	0	0.094	0.002	0.0589	0	2.0385
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	0.0009	1.7238	0	0.0972	0.0025	0.0888	0.3677	2.3286
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	0.0013	1.7941	0	0.0786	0	0.0519	0.2824	2.2367

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	0.0015	1.6927	0	0.1078	0.0003	0.095	0.3484	2.2958
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0	0.0026	1.6461	0	0.1224	0.0019	0.0969	0.4881	2.4025
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0	0.0036	1.2243	0	0.4105	0.0073	0.1298	0.8757	2.6648
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0	0.0014	1.1644	0	0.3837	0.0065	0.1311	1.0672	2.7989
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	0.0017	1.0882	0	0.3474	0.0068	0.1314	1.3745	3.001
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	0.0048	1.8782	0	0.0709	0.0003	0.0587	0	2.033
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	0.0016	1.8273	0	0.0311	0.0008	0.0554	0.1603	2.1244
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	0.0029	1.8514	0	0.0742	0	0.0726	0	2.0211
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	0.0017	1.8576	0	0.0672	0.0001	0.0657	0	2.0145
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	0.0021	1.8694	0	0.0693	0.0029	0.0534	0	2.0119
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	0.0037	1.9078	0	0	0	0.103	0.0506	2.1041
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	0.0032	1.9015	0	0	0	0.0644	0.0481	2.0521
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	0.0038	1.7845	0	0.0578	0	0.1503	0	2.0023
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0.0009	0.0031	1.8643	0	0	0	0.0636	0.0543	2.0337
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	0.0043	1.7395	0	0.0101	0.0004	0.2199	0.0461	2.0845
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	0.003	1.6794	0	0.0064	0	0.2418	0.0418	2.0263
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	0.0036	1.6398	0	0.0122	0	0.2633	0.0472	2.0436
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	0.0044	1.6603	0	0.0188	0	0.2541	0.0677	2.088
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	0.0006	1.7196	0	0.0045	0	0.2308	0.0415	2.0539
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	0.0018	1.632	0	0.0127	0.0021	0.2446	0.0533	2.0386
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	0.002	1.7332	0	0.0029	0.0012	0.1969	0.0435	2.0366
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	0.0028	1.7101	0	0.0221	0.0022	0.2233	0.0403	2.0418
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	0.0048	1.7044	0	0.0141	0	0.2214	0.0552	2.0696
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	0.0048	1.635	0	0.0595	0.0013	0.2226	0.2105	2.163
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	0.0064	1.6076	0	0.0178	0.003	0.3385	0.037	2.1265
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	0.0042	1.5818	0	0.0168	0.0012	0.318	0.0622	2.0829
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	0.0054	1.7487	0	0.0494	0.0019	0.1994	0	2.0166
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	0.0014	1.7327	0	0.004	0.0021	0.1866	0.0495	2.033
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	0.0031	1.6211	0	0.0215	0.0022	0.3897	0.0453	2.1991
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0	0.0052	1.4809	0	0.0396	0.0014	0.4849	0.1211	2.3248
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	0.0053	1.758	0	0.0078	0	0.1916	0.0502	2.0795
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	0.0045	1.7242	0	0.0144	0.0007	0.2227	0.0588	2.099
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	0.0021	1.6828	0	0.0051	0.0005	0.2353	0.0417	2.0244
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	0.003	1.6931	0	0.0114	0.0002	0.2483	0.0471	2.0619
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	0.0033	1.8913	0	0.0197	0	0.0294	0.0762	2.0811
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	0.0043	1.8557	0	0	0	0.0392	0.0993	2.0701
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0.0022	0.0031	1.8624	0	0	0	0.0368	0.0383	2.0242
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0.001	0.0027	1.7788	0	0	0	0.0429	0.0845	2.032
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0.0004	0.0035	1.8077	0	0	0	0.0391	0.0657	2.0185
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	0.0031	1.7928	0	0.0134	0	0.0324	0.0506	1.9902
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	0.0018	1.8379	0	0.0186	0.0034	0.0486	0.0377	2.0588
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	0.0047	1.7721	0	0.1046	0.0031	0.0468	0.2221	2.1837
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0.0021	0.0036	1.866	0	0	0	0.0319	0.0419	2.0248
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	0.003	1.8549	0	0.0556	0.0008	0.0332	0.2104	2.1814
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0.0007	0	1.8506	0	0	0	0.0332	0.117	2.0877
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	0.004	1.8795	0	0.0134	0.0002	0.0375	0.0146	2.0364
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	0.0036	1.8941	0	0.0876	0.0018	0.0336	0	2.0244
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	0.0031	1.8983	0	0.08	0	0.0322	0	2.0171
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	0.0035	1.8828	0	0.0868	0.0035	0.0345	0	2.0179

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	0.0005	1.8512	0	0.0122	0.0034	0.0384	0.0198	2.0282
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	0.0028	1.8559	0	0.1118	0	0.0422	0	2.0244
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	0.0035	1.834	0	0.1349	0.0016	0.0414	0	2.0362
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	0.0019	1.7776	0	0.198	0.0006	0.0486	0	2.0385
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0.0016	1.8868	0	0.089	0.0021	0.0325	0	2.0161
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	0.0022	1.9092	0	0.0108	0.0003	0.0262	0.0632	2.0668
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	0.002	1.9102	0	0.0551	0.0008	0.0255	0	1.9997
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	0.0024	1.9209	0	0.0647	0	0.0221	0	2.015
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	0.0029	1.9074	0	0.091	0.001	0.0418	0	2.0455
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	0.0029	1.8848	0	0.0891	0.0032	0.0356	0	2.0177
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0.0062	1.8297	0	0	0	0.0291	0.0794	2.0381
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	0.0036	1.8862	0	0.1019	0.0019	0.0394	0	2.035
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	0.0023	1.8884	0	0.0827	0.0005	0.0327	0	2.0089
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0.0023	1.902	0	0.0675	0.0012	0.0339	0	2.0188
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	0.0021	1.8989	0	0.0579	0	0.0311	0	1.9977
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	0.0001	1.7951	0	0.0835	0.0001	0.0295	0.2227	2.1542
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0.0049	1.8582	0	0	0	0.0116	0.0446	2.0008
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0	1.8493	0	0.063	0.0038	0.0335	0.2122	2.1864
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0.0024	0	1.866	0	0	0	0.0342	0.062	2.0572
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0.0024	0	1.8454	0	0	0	0.0363	0.1323	2.103
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0	1.8373	0	0.0739	0.002	0.0371	0.2295	2.2031
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	0.0034	1.8786	0	0.0179	0.0016	0.0313	0.0753	2.0782
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	0.0019	1.8824	0	0.0842	0.0012	0.0345	0	2.0084
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	0.0037	1.8987	0	0.0783	0.0022	0.0327	0	2.0186
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	0.0017	1.8376	0	0.1387	0	0.042	0	2.0297
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	0.0024	1.8154	0	0.1604	0.002	0.0438	0	2.0297
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	0.0036	1.8695	0	0.1062	0.0011	0.0355	0	2.0198
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	0.0035	1.8742	0	0.0989	0.0026	0.0447	0	2.0267
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	0.0037	1.8908	0	0.0836	0.0015	0.0343	0	2.0179
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	0.003	1.9128	0	0.0861	0.0019	0.0346	0	2.0429
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0.0023	1.8954	0	0.0845	0.0009	0.0366	0	2.0223
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0.0023	1.8887	0	0.0836	0.0007	0.0338	0	2.013
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0.0037	1.888	0	0.0847	0.001	0.0286	0	2.0081
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	0.0015	1.8811	0	0.0863	0	0.0328	0	2.0057
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0.002	1.8669	0	0.1016	0.0001	0.0393	0	2.0182
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	0.0031	1.8367	0	0.1413	0.0002	0.0443	0	2.0473
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0.0043	1.844	0	0.1235	0.004	0.0406	0	2.0267
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	0.0016	1.7992	0	0.1521	0.0006	0.0498	0	2.0232
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	0.0046	1.7943	0	0.1645	0.0018	0.0538	0	2.0356
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	0.0027	1.7587	0	0.0665	0	0.032	0.392	2.2768
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	0.0029	1.8919	0	0.0121	0.0019	0.0246	0.0626	2.0514
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	0.0038	1.9063	0	0.0732	0.0011	0.0234	0	2.0077
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	0.0023	1.8708	0	0.0951	0.0032	0.0329	0	2.0193
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0.0031	1.8972	0	0.0869	0	0.0328	0	2.0234
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0.0011	1.8847	0	0.0826	0.001	0.0343	0	2.0063
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	0.0027	1.8732	0	0.0957	0.0001	0.0341	0	2.011
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	0.0048	1.7139	0	0.1505	0.0011	0.179	0	2.0502
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	0.0027	1.7032	0	0.1612	0	0.1843	0	2.0522
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0.0057	0.4047	0	1.371	0.0158	0.8781	0	2.8527

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0.0055	1.618	0	0.1793	0.0012	0.2511	0	2.0597
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0.0042	1.8162	0	0.0417	0.0019	0.0793	0.2645	2.2479
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0.0028	1.8843	0	0.0544	0	0.0759	0	2.038
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0.0006	1.8629	0	0.0649	0.0005	0.0994	0	2.0455
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0.0009	1.8771	0	0.0534	0	0.081	0	2.0202
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0.0041	1.8559	0	0.0091	0.0018	0.0828	0.0618	2.0811
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0.0024	1.8223	0	0.0627	0.0008	0.0963	0	2.008
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0.002	1.8661	0	0.008	0.0002	0.0751	0.062	2.0757
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0.0027	1.8714	0	0.0496	0.0009	0.0712	0	2.0141
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0.0018	1.8799	0	0.0503	0.0004	0.0658	0	2.0139
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	0.0028	1.72	0	0.0094	0.0036	0.2059	0.014	2.0436
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	0.0025	1.6349	0	0.1591	0.0043	0.238	0	2.041
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	0.0041	1.6613	0	0.142	0.0052	0.2249	0	2.0389
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	0.0017	1.8208	0	0.0733	0.0021	0.1163	0	2.0407
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0.0029	1.84	0	0.0664	0.0004	0.105	0	2.0148
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0.0041	1.8821	0	0.0524	0.0014	0.0743	0	2.0369
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	0.0054	1.7967	0	0.085	0.0014	0.1346	0	2.0337
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0.0033	1.8578	0	0.0538	0.0001	0.0708	0	2.008
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0.0056	1.8691	0	0.0482	0.0009	0.0677	0	2.0125
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0.0038	1.8688	0	0.1004	0.0011	0.0694	0	2.0555
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0.0015	1.8487	0	0.0996	0.0013	0.0676	0	2.0298
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0.0031	1.9569	0	0.0365	0.0033	0.0086	0	2.0113
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0.0028	1.8677	0	0.0129	0.0006	0.0656	0.0146	2.0512
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0.0049	1.8659	0	0.049	0	0.0681	0	2.022
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	0.0027	1.8071	0	0.076	0.0026	0.068	0.2206	2.2051
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0.0052	1.8986	0	0.0492	0.001	0.043	0	2.0333
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	0.0027	1.8564	0	0.0945	0.0002	0.0704	0	2.038
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0.0004	1.8753	0	0.0079	0	0.06	0.0632	2.0859
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	0.0031	1.7344	0	0.1297	0.0024	0.1466	0	2.0325
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0.0035	1.7658	0	0.1148	0.002	0.1447	0	2.0483
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0.0022	1.7437	0	0.0162	0	0.1672	0.0231	2.068
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0.0015	1.8486	0	0.0558	0.0009	0.0665	0	2.0167
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0.0038	1.7665	0	0.0849	0	0.1322	0	2.0177
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0.0008	1.9463	0	0.041	0.0007	0.0316	0	2.0212
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0.0018	1.9267	0	0.0409	0.0021	0.0304	0	2.0029
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0.0028	1.8888	0	0.0782	0.0018	0.0553	0	2.0346
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0.0034	1.8924	0	0.0899	0.004	0.0571	0	2.0545
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0.0035	1.8115	0	0.0614	0.0002	0.099	0	2.0071
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0	1.842	0	0.1027	0.0025	0.0712	0	2.0277
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0.0028	1.8798	0	0.0547	0.0026	0.0638	0	2.0128
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0.0007	1.7026	0	0.1498	0.0047	0.1747	0	2.0526
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0.0045	1.7402	0	0.0924	0.0013	0.162	0	2.025
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0.0045	2.0006	0	0.0094	0.0012	0.0014	0	2.019
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0.0033	1.9227	0	0.0516	0.0013	0.0276	0	2.0082
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	1.958	0	0.0207	0.0035	0.0095	0	1.9927
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0.0026	1.9716	0	0.0204	0.0014	0.0172	0	2.0132
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	0.0031	1.8417	0	0.1217	0.0006	0.0931	0	2.0695
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0.002	1.8225	0	0.1287	0.0012	0.0828	0	2.0478
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0.0042	1.6604	0	0.1504	0.0022	0.0742	0.4053	2.3195

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	0.0031	1.8694	0	0.0988	0.0028	0.0449	0	2.0251
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0.0015	0.0013	1.8041	0	0	0	0.0631	0.0744	2.069
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	0.0035	1.8852	0	0.0993	0	0.0692	0	2.0667
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0.0005	0.0039	1.7446	0	0	0	0.0875	0.1315	2.0998
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	0.0058	1.6215	0	0.1333	0.0026	0.122	0.446	2.3594
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	0.0034	1.8149	0	0.1191	0	0.0974	0	2.0458
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	0.0015	1.7791	0	0.0707	0.0026	0.0476	0.2405	2.1702
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0.0022	1.8837	0	0.0137	0.0015	0.0577	0.0193	2.0676
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0.0025	1.8024	0	0	0	0.0549	0.1397	2.1057
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	0.0032	1.7867	0	0.0891	0.0008	0.064	0.214	2.184
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	0.0033	1.803	0	0.0644	0.0006	0.0543	0.2375	2.1963
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	0.0033	1.8327	0	0.1229	0.0019	0.0733	0	2.0427
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	0.0027	1.8038	0	0.0951	0.0038	0.0369	0.2318	2.1952
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	0.0035	1.8166	0	0.0777	0.0023	0.0377	0.2559	2.2217
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	0.003	1.7438	0	0.1078	0.0009	0.0688	0.4055	2.3551
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	0.0024	1.6962	0	0.1096	0.001	0.0549	0.3803	2.2762
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0.0027	1.8702	0	0.0842	0.0006	0.0867	0	2.0579
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0.0016	1.8712	0	0.0989	0	0.0602	0	2.0372
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	0.0024	1.859	0	0.1088	0.0028	0.0704	0	2.0547
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	0.0028	1.8436	0	0.1179	0.003	0.0636	0	2.0386
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	0.0035	1.819	0	0.1256	0.0065	0.0843	0	2.0483
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	0.0031	1.8804	0	0.0876	0.0006	0.0399	0	2.021
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	0.0021	1.7879	0	0.1201	0.0018	0.0962	0	2.022
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	0.0043	1.8408	0	0.1217	0	0.0942	0	2.0741
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	0.0017	1.7831	0	0.0962	0.0006	0.0814	0.2665	2.2531
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	0.0031	1.7133	0	0.1768	0.002	0.1537	0	2.0627
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	0.0042	1.8663	0	0.1099	0.0036	0.0527	0	2.0417
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	0.0019	1.4965	0	0.0941	0.0036	0.1441	0.5135	2.3411
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0.0023	0.003	1.7558	0	0	0	0.1118	0.1289	2.1523
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	0.003	1.7264	0	0.1354	0.0019	0.0934	0.265	2.2633
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	0.002	1.8326	0	0.127	0.0021	0.0666	0	2.0415
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	0.0024	1.7831	0	0.1244	0.0015	0.1103	0	2.0276
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	0.0024	1.9212	0	0.0188	0	0.0363	0.0744	2.1288
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	0.0026	1.8513	0	0.0617	0	0.0428	0.2243	2.2126
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	0.0021	1.8858	0	0.0823	0.0003	0.0405	0	2.025
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0.0039	1.8739	0	0.1063	0	0.0529	0	2.0397
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0.0006	0.0026	1.7851	0	0	0	0.0687	0.1343	2.0951
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	0.0021	1.7014	0	0.1502	0	0.1132	0.401	2.3936
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	0.0045	1.6967	0	0.0986	0.0025	0.1041	0.319	2.252
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0.0022	1.7341	0	0	0	0.1043	0.1477	2.1233
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0.0018	0.0038	1.6102	0	0	0	0.128	0.1766	2.0725
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0.0013	1.3937	0	0.0262	0.0058	0.0036	1.066	2.5834
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	0.0032	1.2362	0	0.0689	0.0049	0.0015	1.2798	2.611
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0.0061	0.0032	1.2393	0	0	0	0	1.1805	2.5344
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0.0034	1.2448	0	0.0359	0.0048	0.0027	1.3525	2.7
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0.0059	0.0021	1.245	0	0	0	0.0021	1.2089	2.5612
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0.0034	1.2986	0	0.0091	0.0052	0.0019	1.0364	2.4294
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	0.0029	1.2569	0	0.4267	0.0227	0.0043	0.8821	2.6713
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	0.0028	1.2614	0	0.4321	0.0266	0.0012	0.6572	2.495

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	0.0008	1.094	0	0.2902	0.027	0.0007	0.9775	2.6515
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	0.0013	1.2351	0	0.4307	0.0301	0.0022	0.6296	2.4586
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	0.0051	1.2374	0	0.4502	0.0247	0.0024	0.6495	2.463
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	0.0021	1.1581	0	0.1668	0.0063	0.0036	1.033	2.5223
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	0.0035	1.1721	0	0.4209	0.0314	0.0039	0.8379	2.6043
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	0.0006	1.1548	0	0.4383	0.029	0.0001	0.8749	2.5944
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	0.0054	1.1999	0	0.3555	0.0288	0.0012	0.6853	2.5104
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	0.0027	1.3609	0	0.44	0.0255	0.0023	0.7092	2.6046
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	0.0028	1.1946	0	0.4336	0.0313	0.003	0.6441	2.4612
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	0.0026	1.2355	0	0.4346	0.0305	0.0105	0.7302	2.5588
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	0.0047	1.1563	0	0.405	0.0323	0.0016	0.9705	2.6978
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	0.004	1.4609	0	0.1098	0.0192	0.0033	0.4444	2.2985
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	0.004	1.1631	0	0.3764	0.0223	0.0022	0.8444	2.5999
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	0.0042	1.0772	0	0.3917	0.0314	0.0001	1.1937	2.7995
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	0.0018	1.5101	0	0.1542	0.0192	0.0012	0.4052	2.2892
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	0.0035	1.1452	0	0.3418	0.0261	0	0.8872	2.6175
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	0.0031	1.0986	0	0.2866	0.028	0.0013	0.9779	2.6543
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	0.0048	1.1852	0	0.3733	0.0255	0.0023	0.8293	2.6087
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	0.004	1.0997	0	0.2883	0.0304	0.001	0.9834	2.67
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	0.0021	1.2362	0	0.4338	0.0253	0.0024	0.746	2.5671
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	0.0035	1.1137	0	0.3018	0.0251	0.0009	0.903	2.6154
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	0.0033	1.0942	0	0.2621	0.0283	0.0021	0.8713	2.5881
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	0.0029	1.123	0	0.4206	0.0242	0	1.007	2.6938
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	0.0034	1.3403	0	0.3901	0.0387	0.0039	0.554	2.436
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	0.0043	1.157	0	0.4084	0.041	0	0.9232	2.6428
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	0.0052	1.1859	0	0.4409	0.0411	0.0004	0.7453	2.5227
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	0.0025	1.1649	0	0.3535	0.0387	0.0021	0.8763	2.6118
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	0.0036	1.1921	0	0.3548	0.0391	0.0009	0.8302	2.6025
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0	0.0011	1.1522	0	0.4293	0.0305	0.0035	0.9202	2.6249
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	0.0037	1.1217	0	0.4074	0.0267	0.0038	1.1005	2.7565
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	0.004	1.1134	0	0.4091	0.0281	0.0053	1.0468	2.7142
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	0.0015	1.0938	0	0.2384	0.0323	0.0056	1.0074	2.6898
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	0.0053	1.0767	0	0.3995	0.0241	0.0041	1.1918	2.7987
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	0.0019	1.1299	0	0.4185	0.0279	0.0069	0.9775	2.6769
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	0.0022	1.332	0	0.4343	0.0249	0.0069	0.6445	2.4881
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	0.0032	1.8794	0	0.1529	0.0045	0.0017	0	2.0464
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	0	1.8045	0	0.1083	0.0035	0.0013	0.1974	2.1425
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0.0033	0.0017	1.8392	0	0	0	0.001	0.1108	2.0627
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	0.0027	1.6129	0	0.141	0.0053	0	0.1982	2.1396
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	0.0052	1.6529	0	0.0942	0.0056	0.0002	0.2297	2.152
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	0.002	1.1262	0	0.4573	0.0107	0.0017	0.923	2.6173
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	0.0046	1.0517	0	0.262	0.0143	0.001	0.98	2.6247
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	0.0027	1.8921	0	0.1184	0.0048	0.0013	0	2.0272
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	0.001	1.7547	0	0.1406	0.0032	0	0.2631	2.1965
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	0.0031	1.8686	0	0.1238	0.0048	0.0014	0	2.0071
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	0.0026	1.9018	0	0.1136	0.001	0.002	0	2.0234
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	0.0017	1.8502	0	0.159	0.0057	0	0	2.0195
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0	0.0028	1.7784	0	0.1246	0.0046	0.002	0.2705	2.2022
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	0.004	1.897	0	0.112	0.0016	0.0015	0	2.0161

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	0.0044	1.8489	0	0.1561	0.0068	0.0008	0	2.0194
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	0.0026	1.1247	0	0.0133	0.0012	0.0045	1.0681	2.4564
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	0.0032	1.1398	0	0.163	0.0052	0.0022	1.0741	2.5467
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	0.0041	1.8459	0	0.1515	0.0053	0.0002	0	2.0092
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	0.0033	1.1243	0	0.1714	0.0025	0.0016	0.9365	2.4686
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0.0025	1.1609	0	0.0223	0.0042	0.0021	0.9526	2.394
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	0.0016	1.5586	0	0.1461	0.0039	0.0053	0.4008	2.2063
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	0.0012	1.465	0	0.1487	0.002	0.0035	0.7392	2.4359
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	0.0023	1.8201	0	0.0859	0.003	0.002	0.2744	2.2086
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	0.0021	1.1829	0	0.2242	0.0031	0.0039	1.1519	2.6177
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	0.0035	1.1832	0	0.2241	0.005	0.0016	1.1478	2.6183
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	0.0021	1.1775	0	0.2042	0.005	0.0028	1.2002	2.6377
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.0031	0.0031	1.8586	0	0	0	0.002	0.0483	2.0461
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	0.0039	1.7928	0	0.1039	0.0038	0.002	0.2709	2.1989
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	0.0023	1.7298	0	0.1431	0.0014	0.0043	0.4386	2.3409
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	0.004	1.134	0	0.1689	0.0057	0.005	1.2885	2.6917
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.0035	0.006	1.1097	0	0	0	0.0045	1.228	2.5937
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	0.002	1.1477	0	0.1553	0.0046	0.0054	1.1181	2.5768
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	0.0006	1.3028	0	0.1852	0.0049	0.0039	0.6943	2.3742
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	0.0018	1.0305	0	0.0437	0.0078	0.004	1.1784	2.6129
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0.0044	0.0019	1.8525	0	0	0	0	0.0598	2.0501
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	0.003	1.7908	0	0.1195	0.0047	0.0007	0.2025	2.1556
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	0.0018	1.9284	0	0.014	0.0029	0.0019	0.0685	2.0763
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	0.0032	1.9033	0	0.0875	0.0016	0	0	2.0063
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	0.0036	1.9518	0	0.0592	0.003	0	0	2.0228
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0.0017	1.9353	0	0.076	0.0027	0.0009	0	2.0294
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0.0031	1.9125	0	0.0884	0.0016	0.0017	0	2.0176
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0.0011	0.0041	1.8907	0	0	0	0.0028	0.0472	2.028
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	0.0013	1.9494	0	0.079	0.0035	0.0007	0	2.0349
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	0.0044	1.9244	0	0.0655	0.0021	0	0	1.9992
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	0.0018	1.9414	0	0.0536	0.0003	0	0	2.0011
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	0.0032	1.9588	0	0.0634	0.0039	0	0	2.0422
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0.0043	1.9125	0	0.0957	0	0.0031	0	2.0212
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	0.0016	1.9536	0	0.0652	0.0016	0	0	2.0311
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	0.0028	1.9072	0	0.0921	0.0031	0.0026	0	2.014
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	0.0029	1.9339	0	0.0706	0.0016	0.0017	0	2.0162
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0	0.0029	1.921	0	0.0138	0.0036	0.0006	0.0711	2.0789
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	0.0031	1.7851	0	0.0731	0.0166	0.0033	0.2142	2.1976
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	0.0028	1.9277	0	0.0662	0.0032	0.0018	0	2.006
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	0.0033	1.9063	0	0.1047	0.0035	0.0041	0	2.0254
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	0.0036	1.5594	0	0.0565	0.0336	0.0098	0.4202	2.2919
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	0.0034	1.9396	0	0.0775	0.0013	0.0024	0	2.028
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	0.0022	1.9051	0	0.1048	0.0036	0.0069	0	2.0242
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	0.0038	1.8831	0	0.1133	0.0029	0.0045	0	2.0116
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	0.0024	1.9105	0	0.0793	0.0038	0.0018	0	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	0.0038	1.9219	0	0.075	0.004	0.0018	0	2.009
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	0.0028	1.9462	0	0.0135	0.0021	0.0016	0.071	2.0941
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	0.0056	1.9298	0	0.0692	0.0039	0.0024	0	2.017
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	0.0032	1.9218	0	0.0809	0.0031	0	0	2.0248

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	0.0008	1.9191	0	0.0796	0.0001	0.0016	0	2.0155
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	0.0027	1.9421	0	0.0694	0.0017	0	0	2.0206
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	0.004	1.9164	0	0.0102	0.0052	0.0038	0.0189	2.05
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	0.0024	1.873	0	0.1262	0.0028	0.0063	0	2.0218
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	0.0034	1.8817	0	0.1325	0.0023	0.005	0	2.0341
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	0.0035	1.9343	0	0.0155	0.0039	0.0053	0.0765	2.1055
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	0.004	1.9277	0	0.0736	0.0026	0.002	0	2.0125
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	0.0032	1.9227	0	0.0644	0.0036	0	0	1.9999
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	0.0043	1.9167	0	0.0764	0.0034	0.0005	0	2.0052
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	0.0051	1.924	0	0.0852	0.002	0.0016	0	2.0235
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	0.0035	1.8558	0	0.1397	0.0045	0.0293	0	2.0379
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	0.0024	1.8355	0	0.1546	0.0024	0.0277	0	2.031
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	0.0033	1.8427	0	0.1313	0.0038	0.0349	0	2.0237
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	0.0022	1.8455	0	0.1398	0.0046	0.0278	0	2.024
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	0.0021	1.8526	0	0.1363	0.0043	0.0277	0	2.0265
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	0.0043	1.8415	0	0.0178	0.0036	0.0273	0.0352	2.0461
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	0.0012	1.8457	0	0.1432	0.003	0.0314	0	2.0272
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	0.002	1.8542	0	0.1255	0.0025	0.0319	0	2.0195
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0.0043	0.0028	1.7969	0	0	0	0.0503	0.0218	2.0347
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0.0015	0.0037	1.7714	0	0	0	0.0442	0.1392	2.0931
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	0.0029	1.8564	0	0.133	0.0044	0.0383	0	2.042
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	0.0025	1.7821	0	0.1388	0.0034	0.0674	0	2.0189
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0.0007	0.0024	1.8046	0	0	0	0.0261	0.1406	2.0943
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	0.0031	1.7543	0	0.1208	0.0033	0.0532	0.2321	2.1975
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	0.0027	1.788	0	0.149	0.0021	0.0652	0	2.0331
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	0.0013	1.7387	0	0.1281	0.0051	0.0507	0.2528	2.2114
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	0.002	1.8961	0	0.0105	0.0044	0.0186	0.0178	2.0425
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	0.0036	1.9161	0	0.0678	0.0054	0.0153	0	2.0145
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	0.0022	1.8859	0	0.0978	0.0034	0.0161	0	2.0132
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0	0.0031	1.8519	0	0.0551	0.002	0.0133	0.2558	2.2053
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	0.0002	1.9194	0	0.0842	0.0032	0.0151	0	2.0275
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	0.003	1.923	0	0.0739	0.0031	0.01	0	2.0149
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0	0.0036	1.7681	0	0.1158	0.002	0.0597	0.3664	2.3427
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	0.0044	1.8091	0	0.1429	0.0038	0.0654	0	2.0367
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0.0042	0.0013	1.8087	0	0	0	0.0532	0.0122	2.0182
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	0.0022	1.8554	0	0.1245	0.0022	0.0487	0	2.0389
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	0.0021	1.8634	0	0.1074	0.0023	0.0385	0	2.0189
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0	0.0029	1.7022	0	0.0259	0.0041	0.1085	0.0619	2.1004
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	0.0048	1.7956	0	0.1168	0.0037	0.0832	0	2.0353
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	0.003	1.8364	0	0.1071	0.0032	0.0678	0	2.0339
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	0.0043	1.7425	0	0.1399	0.0015	0.0967	0	2.0433
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	0.0103	1.6966	0	0.1817	0.0028	0.1259	0	2.0592
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0.0021	0.0032	1.6949	0	0	0	0.0922	0.0528	2.0716
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	0.0028	1.7405	0	0.1701	0.0046	0.0941	0	2.0467
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0	0.0011	1.784	0	0.0478	0.0012	0.0719	0.2986	2.2353
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0	0.0029	1.7087	0	0.1037	0.004	0.068	0.3201	2.2455
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0.0024	0.0019	1.7005	0	0	0	0.0619	0.1871	2.1331
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0.0028	0.0045	1.684	0	0	0	0.0618	0.1973	2.1333
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	0.002	1.8038	0	0.1432	0.002	0.0562	0	2.022

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0.0026	0.002	1.7579	0	0	0	0.0506	0.1116	2.076
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	0.0046	1.802	0	0.1382	0.0064	0.0539	0	2.0281
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0.0025	0.0058	1.7406	0	0	0	0.064	0.0004	2.0432
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	0.0043	1.7539	0	0.1798	0.0034	0.0693	0	2.0503
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	0.0018	1.7707	0	0.1724	0.0026	0.0523	0	2.029
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0.0038	0.0023	1.6689	0	0	0	0.0571	0.1868	2.1168
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0	0.0026	1.6008	0	0.1319	0.0061	0.0719	0.3366	2.2658
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	0.0032	1.756	0	0.2033	0.0068	0.113	0	2.0906
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	0.0031	1.7428	0	0.1747	0.0056	0.109	0	2.0433
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	0.0038	1.5651	0	0.0501	0.0056	0.1932	0.1386	2.1367
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	0.002	1.6901	0	0.0722	0.0054	0.0958	0.166	2.1397
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	0.0034	1.7203	0	0.1936	0.0068	0.1044	0	2.0477
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	0.0032	1.786	0	0.2075	0.0032	0.0238	0	2.0326
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0.0053	0.0038	1.6806	0	0	0	0.021	0.1526	2.076
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	0.0028	1.7576	0	0.2281	0.0044	0.0224	0	2.0276
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	0.0037	1.8395	0	0.1517	0.0025	0.0156	0	2.02
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	0.0034	1.8149	0	0.1738	0.0023	0.0206	0	2.0265
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0	0.0033	1.7767	0	0.0862	0.0002	0.0285	0.2997	2.2191
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	0.0019	1.8584	0	0.1112	0.0025	0.0314	0	2.0084
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0.003	1.6644	0	0.04	0.0028	0.0335	0.6733	2.4928
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	0.0035	1.8712	0	0.1106	0.0014	0.0298	0	2.0198
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	0	0.0055	1.7592	0	0.2201	0.0025	0.0251	0	2.0269
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	0.0021	0	1.7507	0	0	0	0.0232	0	1.9605
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	0.0035	1.8322	0	0.1473	0.0027	0.0165	0	2.0084
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	0.0043	1.8156	0	0.165	0.0027	0.0177	0	2.0171
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0.0036	0.0023	1.7236	0	0	0	0.0213	0.1926	2.1228
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	0.003	1.8043	0	0.1413	0.003	0.0197	0	2.0079
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	0.0035	1.7755	0	0.087	0.0025	0.0238	0.3872	2.3003
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	0.0052	1.88	0	0.1043	0.0035	0.025	0	2.0217
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	0.0029	1.9867	0	0.0073	0	0	0	1.997
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0.0019	1.9112	0	0.0265	0	0.0006	0.2017	2.1419
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	0.0022	1.5039	0	0.0958	0	0.0258	1.3077	2.9628
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0.0032	0.0015	1.83	0	0	0	0.0252	0	1.9714
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0.0034	0.004	1.6806	0	0	0	0.0214	0.2	2.1167
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0.0009	0.0042	1.8119	0	0	0	0.0276	0.115	2.0759
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	0.0014	1.8242	0	0.0172	0.0037	0.0294	0	1.9934
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0.0015	0.0031	1.8235	0	0	0	0.0194	0	1.9763
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	0.0035	1.4724	0	0.148	0.0037	0.0258	0.6783	2.5114
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0	0.005	1.665	0	0.1684	0.0031	0.0232	0.4466	2.3448
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	0.003	1.7424	0	0.0963	0.0024	0.0255	0.3511	2.2537
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	0.0042	1.7266	0	0.1265	0.0032	0.0365	0.3435	2.2619
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	0.0014	1.8626	0	0.1274	0.0017	0.0229	0	2.019
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	0.0017	1.5423	0	0.1161	0.0062	0.0199	0.7241	2.552
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	0.0041	1.7476	0	0.2108	0.004	0.0208	0	2.0332
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	0.0042	1.7596	0	0.2199	0.0048	0.0261	0	2.0328
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	0.0011	1.8683	0	0.1335	0.0032	0.0211	0	2.0289
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	0.0044	1.8639	0	0.1067	0.0026	0.0296	0	2.0105
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0.0003	1.8746	0	0.1112	0.0037	0.0311	0	2.0259
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	0.004	1.8275	0	0.14	0.0036	0.0132	0	2.0057

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	0.0039	1.7154	0	0.1027	0.0042	0.0215	0.172	2.1298
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	0.0015	1.8751	0	0.1142	0.004	0.0186	0	2.0187
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	0.0033	1.739	0	0.1188	0.0007	0.0143	0.4224	2.3282
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	0.0029	1.8066	0	0.1905	0.0027	0.0228	0	2.0343
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	0.004	1.8196	0	0.1702	0.0024	0.0181	0	2.0203
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	0.003	1.7391	0	0.2333	0.0041	0.0244	0	2.027
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	0.0037	1.8252	0	0.1484	0.0014	0.0132	0	2.0067
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	0.0025	1.7794	0	0.1996	0.003	0.0185	0	2.0177
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	0.0022	1.7218	0	0.2696	0.0055	0.028	0	2.0412
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	0.0034	1.7684	0	0.2102	0.0049	0.0232	0	2.0218
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	0.0015	1.7564	0	0.1046	0.002	0.0138	0.4083	2.3214
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0.0022	1.8487	0	0.1573	0.0044	0.0161	0	2.0297
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	0.0017	1.844	0	0.0655	0.0014	0.0176	0	1.9961
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	0.003	1.8515	0	0.1229	0.0016	0.0377	0	2.0206
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	0.0036	1.8376	0	0.1446	0.0046	0.0295	0	2.0254
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	0.0041	1.8583	0	0.1325	0.0003	0.02	0	2.0214
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	0.0063	1.8328	0	0.151	0.0051	0.0208	0	2.0216
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	0.0029	1.8574	0	0.1224	0.0016	0.018	0	2.0054
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0.0026	1.7888	0	0.0811	0.0033	0.0186	0	1.9843
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0.0025	1.7727	0	0.1101	0.0037	0.0171	0	1.9972
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	0.0047	1.8767	0	0.1068	0.002	0.0249	0	2.0169
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0.0031	1.9612	0	0.0358	0.0025	0	0	2.0056
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	0.0043	1.7958	0	0.2017	0.0045	0.0193	0	2.031
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	0.0026	1.7304	0	0.2513	0.0058	0.0265	0	2.0305
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	0.0036	1.7936	0	0.1805	0.0029	0.0171	0	2.0124
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0.0033	0.0027	1.6438	0	0	0	0.0182	0.322	2.1808
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	0.0028	1.8144	0	0.1483	0.0021	0.0507	0	2.0313
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	0.003	1.8255	0	0.1266	0.0013	0.0502	0	2.0122
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	0.0027	1.8102	0	0.1285	0.002	0.0584	0	2.015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0.0043	1.6303	0	0.1915	0	0.0655	0	2.03
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	0.0012	1.8503	0	0.1217	0.004	0.063	0	2.0563
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	0.0026	1.7431	0	0.1029	0.0016	0.0666	0.2804	2.2313
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	0.0025	1.8274	0	0.1251	0	0.06	0	2.0308
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0.0036	1.3586	0	0.6207	0.001	0.1103	0	2.1397
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	0.0034	1.1312	0	0.1286	0.0032	0.1315	0.0269	2.014
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	0.001	1.1485	0	0.1782	0.0018	0.1125	0.037	2.0286
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	0.0028	1.7817	0	0	0	0.0494	0.1104	2.0761
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	0.0013	1.8182	0	0.1417	0.0046	0.0546	0	2.0343
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	0.0033	1.7062	0	0.2305	0.001	0.0821	0	2.0514
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	0.0023	1.6973	0	0.1071	0	0.0587	0.356	2.2595
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0.0054	1.7798	0	0	0	0.0579	0	1.9884
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0.0027	1.8289	0	0.1401	0.0006	0.0615	0	2.0441
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	0.0026	1.8347	0	0.1222	0.0015	0.0537	0	2.0247
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	0.003	1.8049	0	0.1451	0	0.0611	0	2.027
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	0.0016	1.8161	0	0.1458	0.0024	0.0599	0	2.0426
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	0.0022	1.7631	0	0.1985	0.0022	0.0525	0	2.0352
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0.0051	0.0037	1.6741	0	0	0	0.0623	0	1.989
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	0.0036	1.7951	0	0.1766	0.0024	0.0557	0	2.0544
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	0.0032	1.762	0	0.1806	0.0042	0.0658	0	2.0444

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0.0022	1.7799	0	0.1367	0.0007	0.0584	0	2.0334
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0.0045	1.8147	0	0.134	0.001	0.0566	0	2.0238
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0.0033	1.7951	0	0.152	0.0018	0.0599	0	2.0299
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0.0032	1.8499	0	0.1135	0.0014	0.0514	0	2.0338
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0.0014	0.0047	1.8003	0	0	0	0.0505	0	1.9918
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0.0028	0.0011	1.768	0	0	0	0.0593	0	1.9934
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0.0028	0.0009	1.7902	0	0	0	0.0594	0	1.996
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0.0038	1.8063	0	0.1387	0.0042	0.065	0	2.0348
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0.0023	1.8211	0	0.1349	0.0003	0.0527	0	2.0384
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0.0027	1.7861	0	0.157	0.002	0.0549	0	2.03
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0.0017	1.8092	0	0.1664	0.0019	0.0577	0	2.0473
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0.0011	1.8463	0	0.1152	0.0011	0.0453	0	2.0222
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0.0042	1.8289	0	0.121	0	0.0581	0	2.0309
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	0.0022	1.8808	0	0.0682	0.0001	0.0563	0	2.02
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0.0034	1.8644	0	0.0748	0	0.0602	0	2.0112
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	0.0039	1.8669	0	0.0702	0.0016	0.0617	0	2.0259
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0.02	1.7273	0	0.0149	0.0004	0.0516	0.5034	2.4115
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0.0044	1.8406	0	0.0789	0.0008	0.0666	0	2.0186
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	0.003	1.8904	0	0.0671	0	0.0598	0	2.0251
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0.0042	1.8664	0	0.0665	0	0.0604	0	2.0076
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0.0043	1.888	0	0.0648	0	0.0525	0	2.0233
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0.0025	1.8716	0	0.0653	0	0.0524	0	2.0076
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0.0008	1.8683	0	0.0708	0.0015	0.0589	0	2.0115
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	0.0033	1.8685	0	0.073	0	0.0628	0	2.0088
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0.0023	1.8061	0	0.1337	0.0023	0.1091	0	2.0543
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0.0025	1.8738	0	0.0663	0.0017	0.0513	0	2.012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	0.0035	1.8656	0	0.0662	0.0007	0.0637	0	2.0038
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0.0026	1.8666	0	0.0679	0.0012	0.0562	0	2.0065
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0.004	1.8516	0	0.0706	0	0.0598	0	2.0095
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0.002	1.8964	0	0.0745	0.0007	0.0595	0	2.0358
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0.0013	1.8648	0	0.0823	0.0019	0.0628	0	2.0175
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0.0023	1.8686	0	0.0792	0	0.0585	0	2.0111
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0.0007	1.8901	0	0.0652	0.0003	0.0608	0	2.017
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	0.0035	1.8896	0	0.0725	0.0005	0.0566	0	2.0228
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0	1.7939	0	0.0524	0	0.0619	0.3942	2.3204
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0.0019	0	1.7519	0	0	0	0.0628	0.4784	2.3625
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	1.8086	0	0.0645	0.0004	0.0581	0.3429	2.2927
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0.0047	1.875	0	0.0717	0.0021	0.0631	0	2.0181
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0.0017	1.8704	0	0.0747	0.0017	0.0643	0	2.0128
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0.0035	1.8755	0	0.0811	0.0027	0.0567	0	2.0209
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	0.0034	1.8711	0	0.0786	0.0018	0.0603	0	2.0151
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0.0023	1.872	0	0.0707	0	0.0589	0	2.0039
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0.0017	1.8709	0	0.155	0.0056	0.008	0	2.042
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	0.0033	1.7081	0	0.1372	0.0079	0.0006	0.4911	2.3703
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0.0033	1.7173	0	0.1105	0.006	0.011	0.2645	2.2047
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0.0015	1.6019	0	0.1211	0.0079	0.0018	0.6941	2.4976
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0.0021	1.5644	0	0.1369	0.0109	0.0046	0.7815	2.5768
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	0.0025	1.7131	0	0.108	0.0356	0.0016	0.444	2.3266
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0.0013	1.6591	0	0.0339	0.0291	0.003	0.5175	2.3224

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	0.0033	1.7745	0	0.1465	0.0085	0.0072	0.3176	2.2871
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0.0049	1.7883	0	0.1175	0.0064	0.0026	0.2964	2.2364
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0.0047	1.7568	0	0.1027	0.0056	0.0044	0.4344	2.3278
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0.0025	1.4602	0	0.1183	0.0437	0.0002	0.9639	2.6481
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0.0023	1.5397	0	0.0877	0.0396	0.0018	0.746	2.4906
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	0.0022	1.8086	0	0.1157	0.0081	0.0048	0.2506	2.2153
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0.0017	1.8616	0	0.1349	0.0052	0.0026	0	2.0082
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0.0026	1.7939	0	0.1002	0.0067	0.0062	0.2442	2.1768
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0.0052	0.0045	1.7839	0	0	0	0.003	0.109	2.0492
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	0.0039	1.8019	0	0.1104	0.0064	0.004	0.2022	2.1548
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	1.897	0	0.0117	0.0047	0.0064	0.022	2.035
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0.006	0.0019	1.7283	0	0	0	0.0122	0.1798	2.1113
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0.0047	1.8703	0	0.1297	0.0062	0.005	0	2.026
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0.004	1.8374	0	0.1638	0.0049	0.0091	0	2.0251
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0.0058	0.003	1.6937	0	0	0	0.017	0.1799	2.1137
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	0.003	1.8201	0	0.1102	0.0067	0.0035	0.2516	2.2165
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0.0089	0.0039	1.7679	0	0	0	0.0027	0.173	2.1057
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	0.003	1.7477	0	0.1371	0.0086	0.0046	0.2989	2.2256
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0.0034	1.6926	0	0.0432	0.0079	0.0051	0.5111	2.3444
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0.0048	0.0009	1.8012	0	0	0	0.0066	0.1198	2.0628
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0.0054	0.0047	1.8626	0	0	0	0.0027	0.0362	2.0432
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0.0025	1.873	0	0.139	0.0034	0.0069	0	2.0258
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	0.0031	1.7925	0	0.1182	0.0076	0.0033	0.2441	2.1924
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0.0021	1.8654	0	0.1386	0.0061	0.0039	0	2.0179
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0.0099	0.0003	1.8442	0	0	0	0.0018	0.1276	2.0652
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0.0028	1.7302	0	0.0523	0.0368	0.002	0.1694	2.1036
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0.0056	0.0009	1.7729	0	0	0	0.0032	0.1319	2.0709
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0.0064	0.0031	1.762	0	0	0	0.003	0.171	2.0998
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0.0044	1.8421	0	0.1794	0.0091	0.0043	0	2.0444
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0.0047	1.8799	0	0.1128	0.0071	0.0019	0	2.0069
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0.002	1.8907	0	0.1092	0.007	0.0027	0	2.0134
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	0.003	1.8287	0	0.065	0.0115	0.0028	0.2341	2.165
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0.0044	1.8529	0	0.1621	0.0064	0.0076	0	2.0349
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0.0026	1.8748	0	0.122	0.0064	0.0074	0	2.0144
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	0.0011	1.7664	0	0.1005	0.0116	0.0226	0.3895	2.3195
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0.0027	1.7963	0	0.1791	0.0016	0.0384	0	2.0278
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0.0018	1.5195	0	0.0693	0.0455	0.0034	0.7091	2.4218
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0.0048	0.003	1.7845	0	0	0	0.0034	0.138	2.0716
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0.0025	1.7639	0	0.1187	0.0046	0.0017	0.3225	2.2363
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0.0026	1.9527	0	0.0067	0.0065	0.0071	0.0643	2.098
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0.0023	1.8826	0	0.0932	0.0085	0.0057	0	1.9969
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0.0014	1.8439	0	0.167	0.004	0.0058	0	2.0235
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0.0015	1.8497	0	0.1635	0.0078	0.0026	0	2.0302
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	0.0022	1.8231	0	0.0438	0.0041	0.0508	0.2326	2.1753
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	0.0029	1.7857	0	0.0447	0.0048	0.0601	0.2944	2.2139
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0.0025	1.8658	0	0.0059	0.0053	0.0341	0.0862	2.0499
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	0.0003	1.7977	0	0.0721	0.0045	0.043	0.1971	2.1408
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0.0007	1.6266	0	0.0056	0.0029	0.0633	0.62	2.4005
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0.0022	1.5556	0	0.0476	0.0146	0.0223	0.7863	2.5002

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0.0039	1.9369	0	0.0362	0.004	0.0051	0	1.9863
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	0.0009	1.7319	0	0.0539	0.0081	0.0392	0.4179	2.2721
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0.0042	1.8744	0	0.0555	0.0082	0.018	0	1.9629
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0.0113	0.0047	1.8404	0	0	0	0.0056	0.0368	2.0284
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0.0025	1.8707	0	0.1335	0.0071	0.0043	0	2.0216
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	0.0028	1.8589	0	0.1389	0.007	0.0032	0	2.015
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0.0027	1.8519	0	0.1444	0.0022	0.012	0	2.0195
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0.0033	1.8559	0	0.1471	0.0045	0.0102	0	2.0284
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0.0105	0.0007	1.99	0	0	0	0.0005	0.0396	2.0791
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0.0119	0.0036	1.9601	0	0	0	0	0.0493	2.0577
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0.0068	0.0014	1.9895	0	0	0	0.0022	0.0355	2.0507
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0.0031	1.8583	0	0.1527	0.0063	0.002	0	2.0246
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	0.0027	1.8441	0	0.1607	0.0105	0.0017	0	2.0216
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	0.0008	1.8672	0	0.1414	0.0048	0.0035	0	2.0259
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	0.0004	1.8165	0	0.1081	0.0094	0.0107	0.2338	2.2021
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	0.0042	1.7478	0	0.1231	0.0065	0.02	0.3552	2.2784
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	0.0038	1.8236	0	0.0864	0.0055	0.0129	0.2257	2.1832
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	0.0018	1.7674	0	0.1207	0.0041	0.0038	0.3298	2.246
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	0.0013	1.7771	0	0.1154	0.0034	0.0033	0.331	2.253
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0.0012	1.8441	0	0.0215	0.0063	0.0024	0.0528	2.0626
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0.0024	1.8438	0	0.1661	0.0078	0.0072	0	2.0274
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0.002	1.8864	0	0.0746	0.0006	0.0496	0	2.0249
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0.0025	0.0041	1.7469	0	0	0	0.0901	0.9911	2.8698
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	0.0032	1.7819	0	0.022	0.0122	0.0248	0.1381	2.0545
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	0.0034	1.8246	0	0.0995	0.0063	0.0077	0.2209	2.1863
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0.006	0.0025	1.7584	0	0	0	0.0075	0.1115	2.0538
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	0.0038	1.8022	0	0.0823	0.0056	0.0171	0.3013	2.2373
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0.008	0.0031	1.9751	0	0	0	0	0.0898	2.0994
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	0.0028	1.9629	0	0.0155	0.0046	0	0.0911	2.0784
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0.0047	1.9296	0	0.0256	0.0072	0	0.1532	2.1217
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	0.0015	1.8199	0	0.0599	0.0079	0.0019	0.388	2.299
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0.0037	1.7058	0	0.0279	0.0099	0.0036	0.5687	2.3969
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	0.0018	2.0016	0	0.0035	0.0014	0	0.0262	2.0351
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0.0031	1.9852	0	0.0101	0.0016	0.003	0	2.0053
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0	1.925	0	0.0154	0.0016	0.0008	0.2313	2.1754
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0.0022	1.9263	0	0.0186	0.0037	0.0004	0.1607	2.1127
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	0.0023	1.8092	0	0.0575	0.0083	0.0024	0.3417	2.2416
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0.0025	1.628	0	0.0248	0.0129	0.0038	0.8389	2.5819
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	0.0018	1.7867	0	0.0665	0.0099	0.005	0.4023	2.292
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	0.0039	1.9293	0	0.0309	0.0021	0.0013	0.1466	2.114
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	0.003	1.7031	0	0.0908	0.0098	0.0015	0.5226	2.3503
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0.0031	1.958	0	0.0055	0.0038	0	0.1273	2.0977
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0.0028	1.9877	0	0.0043	0.0021	0	0	1.9968
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0.0008	1.9328	0	0.0502	0.0057	0.0004	0	1.9904
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0.0031	1.9017	0	0.0189	0.0075	0.0006	0.2173	2.1491
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0	0.0049	1.7368	0	0.0685	0.0085	0.0052	0.5158	2.3582
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0	0.0038	1.9514	0	0.018	0.0068	0	0.0443	2.0428
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0.0031	1.9899	0	0.0055	0.0036	0	0	2.0022
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	0.0029	1.9262	0	0.0276	0.005	0	0.1777	2.1408

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0.0027	1.9592	0	0.0187	0.0043	0.0007	0	1.9856
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	0.0035	1.9561	0	0.019	0.0047	0.0001	0	1.984
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0.0069	0.0043	1.8806	0	0	0	0.001	0.072	2.0324
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	0.0032	1.9168	0	0.013	0.0048	0.0005	0.0702	2.071
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	0.0025	1.8662	0	0.0556	0.005	0.0025	0.255	2.2067
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	0.0031	1.7345	0	0.0805	0.0121	0.0089	0.4839	2.3414
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0.004	1.8461	0	0.0515	0.0048	0.0046	0.4233	2.3535
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	0.0046	1.8536	0	0.0679	0.0075	0.0031	0.1996	2.1566
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0.0058	0.0049	1.8641	0	0	0	0.0071	0.0975	2.0555
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	0.0013	1.9208	0	0.0629	0.0066	0.0044	0	1.996
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0	0.0025	1.8003	0	0.061	0.0097	0.0034	0.3933	2.2892
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	0.0024	1.937	0	0.0615	0.0059	0.0009	0	2.0077
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	0.0031	1.9766	0	0.0093	0.0032	0	0	1.9942
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	0.0028	1.8736	0	0.028	0.0058	0.0046	0.132	2.0821
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	0.0035	1.9665	0	0.0079	0.0031	0.0012	0.0793	2.0641
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	0.0039	1.9464	0	0.0458	0.004	0.0058	0	2.0059
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	0.0031	1.9235	0	0.0815	0.0078	0	0	2.0162
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	0.0015	1.836	0	0.063	0.0098	0.0054	0.2163	2.1521
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	0.0022	1.8444	0	0.0605	0.0067	0.0065	0.2538	2.1947
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0.0069	0.0032	1.8626	0	0	0	0.0051	0.0353	1.9936
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	0.0044	1.9693	0	0.0009	0.0007	0	0.1095	2.085
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0.0004	0.0022	2.0154	0	0	0	0.0026	0.0311	2.0571
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0.0022	2.0006	0	0	0	0	0	2.0028
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	0.0031	1.9977	0	0	0	0	0	2.003
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	0.0052	1.9981	0	0.0006	0.0006	0	0	2.0069
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	0.0026	1.9957	0	0.0003	0.0014	0	0	2.0041
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0.0037	1.8308	0	0.0271	0.0034	0.0068	0.79	2.6621
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	0.0028	1.9536	0	0.0301	0.0066	0.0017	0	1.997
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	0.0016	1.9773	0	0.0206	0.0037	0.0017	0	2.0054
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	0.0027	1.9781	0	0.0078	0.0049	0.0013	0	1.9948
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	0.0007	1.9237	0	0.0644	0.0051	0.0063	0	2.0023
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	0.005	1.6555	0	0.1616	0.0234	0.0053	0.4208	2.2958
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0.0029	1.7123	0	0.008	0.0099	0.0059	0.4871	2.3041
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	0.0022	1.9161	0	0.0756	0.0063	0	0	2.003
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0.0021	1.9275	0	0.0099	0.0027	0	0.2058	2.1507
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	0.0017	1.9857	0	0.0086	0.0007	0	0	2.0029
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0.0015	0.0032	2.0083	0	0	0	0	0.0309	2.0502
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	0.0038	1.9967	0	0.0057	0.0023	0.0001	0	2.0087
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0.0029	1.9989	0	0.0006	0.0007	0	0	2.0031
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	0.0038	1.952	0	0.0067	0.0022	0	0.1128	2.0783
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	0.0039	1.9901	0	0.0014	0.0022	0	0	1.9994
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	0.0041	1.7794	0	0.0174	0.0022	0.0936	0.0321	2.0597
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	0.002	1.8476	0	0.0841	0.0022	0.0808	0	2.036
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	0.0032	1.8355	0	0.0875	0.0016	0.0865	0	2.0375
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0.0011	0.0023	1.7724	0	0	0	0.0828	0.127	2.0929
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	0.0011	1.8524	0	0.0117	0.0021	0.0792	0.0156	2.0534
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	0.0009	1.8112	0	0.0921	0.0012	0.0802	0	2.0265
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	0.0017	1.8392	0	0.0825	0.0007	0.0744	0	2.018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0.001	1.8119	0	0.1013	0.0009	0.0806	0	2.0255

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	0.0012	1.8354	0	0.0984	0.002	0.0811	0	2.0403
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0.002	0.0034	1.8425	0	0	0	0.0841	0	2.0419
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0.0006	0.0027	1.7895	0	0	0	0.0774	0.0737	2.0556
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	0.0036	1.8242	0	0.0889	0.0031	0.0868	0	2.0269
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	0.0007	1.8482	0	0.0856	0	0.0775	0	2.0308
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	0.0033	1.8489	0	0.088	0.0001	0.0812	0	2.0423
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	0.0023	1.8482	0	0.0894	0	0.0901	0	2.0488
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0.0005	0.0026	1.7816	0	0	0	0.0802	0.0712	2.0462
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	0.0041	1.8234	0	0.0865	0	0.0875	0	2.0222
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	0.001	1.8238	0	0.0831	0.0024	0.0859	0	2.0201
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	0.0033	1.7873	0	0	0	0.0801	0.0639	2.0401
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	0.0026	1.8417	0	0.0883	0.001	0.0773	0	2.0318
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	0.0028	1.8384	0	0.0861	0	0.0821	0	2.0284
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	0.0012	1.8423	0	0.0893	0.0017	0.0785	0	2.0325
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	0.0044	1.8036	0	0.1281	0.0019	0.091	0	2.0484
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	0.0057	1.8397	0	0.0125	0.0004	0.0849	0.0133	2.0545
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	0.0027	1.8354	0	0.088	0.0014	0.0833	0	2.0325
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	0.0022	1.8413	0	0.0877	0.0008	0.0813	0	2.033
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	0.0006	1.8304	0	0.0121	0	0.0894	0.0121	2.0399
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	0.0027	1.829	0	0.0888	0.0008	0.0866	0	2.0313
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	0.0024	1.8207	0	0.0977	0	0.087	0	2.0362
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	0.0031	1.7926	0	0.168	0.0029	0.0719	0	2.0514
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	0.0021	1.7821	0	0.1511	0.0028	0.0742	0	2.0278
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	0.0036	1.7241	0	0.2063	0.0036	0.0959	0	2.0498
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	0.0057	1.764	0	0.1509	0.0016	0.0976	0	2.0289
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	0	1.7451	0	0.1921	0.0014	0.0914	0	2.0436
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	0.0013	1.8132	0	0.0146	0.0039	0.0635	0.0284	2.05
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	0.001	1.8274	0	0.0186	0	0.0669	0.0285	2.0625
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	0.0021	1.8408	0	0.0779	0	0.0629	0	2.005
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	0.0018	1.8387	0	0.1017	0.0012	0.0669	0	2.0261
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	0.0014	1.8428	0	0.0991	0.0006	0.0667	0	2.0289
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	0.002	1.8725	0	0.0126	0.0008	0.0671	0.0146	2.0548
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	0.0038	1.8639	0	0.0296	0.0016	0.0672	0.064	2.0951
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	0.0015	1.8519	0	0.0968	0.002	0.0685	0	2.0317
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	0.0021	1.8318	0	0.1137	0	0.0766	0	2.0368
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	0.0024	1.8152	0	0.0959	0.0012	0.0774	0	2.0224
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	0.0027	1.8507	0	0.0122	0.0018	0.0754	0.016	2.0512
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0.0029	1.8588	0	0.0119	0.0023	0.0736	0.0164	2.0573
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	0.0032	1.7761	0	0.0787	0.0006	0.0685	0.1991	2.1603
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	0.0026	1.8482	0	0.0894	0.0026	0.0656	0	2.022
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	0.0046	1.8404	0	0.0883	0	0.0656	0	2.0244
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	0.0019	1.7779	0	0.1632	0.0039	0.0645	0	2.0297
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	0.0026	1.7634	0	0.1883	0.0023	0.0701	0	2.0427
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0.0053	1.8565	0	0.0117	0.0035	0.0601	0.0199	2.0657
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	0.0042	1.8674	0	0.0136	0	0.0601	0.0152	2.0624
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	0.0018	1.852	0	0.0908	0.0015	0.061	0	2.0244
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	0.0025	1.8488	0	0.09	0.0026	0.0602	0	2.0361
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	0.0002	1.835	0	0.1011	0.0022	0.0678	0	2.0219
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	0.0043	1.8569	0	0.013	0.0014	0.0591	0.0173	2.0619

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	0.0035	1.8576	0	0.0145	0.0004	0.0598	0.0187	2.0678
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0.0032	0.0027	1.7709	0	0	0	0.0635	0.072	2.0459
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0.003	0.0028	1.749	0	0	0	0.103	0	2.0442
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0.0048	0.0029	1.7562	0	0	0	0.0999	0	2.0497
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	0.0034	1.7881	0	0.1434	0.0045	0.0937	0	2.0408
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	0.0008	1.7869	0	0.2554	0.0048	0.0011	0	2.0496
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	0.0041	1.8014	0	0.2303	0.004	0.0002	0	2.0411
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	0.0047	1.8235	0	0.2117	0.0032	0	0	2.0435
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0.0058	0.004	1.7325	0	0	0	0	0.0405	2.0441
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	0.0015	1.7784	0	0.2497	0.0031	0.0084	0	2.0433
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	0.001	1.7892	0	0.2607	0.0055	0.0003	0	2.0567
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	0.0031	1.7844	0	0.2488	0.005	0.0032	0	2.0454
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	0.001	1.8254	0	0.2068	0.0042	0.002	0	2.0402
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	0.0034	1.8486	0	0.2024	0.0032	0.0025	0	2.0616
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	0.0015	1.8062	0	0.2251	0.0028	0.0022	0	2.0391
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	0.0039	1.7902	0	0.2357	0.0043	0.0016	0	2.0386
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	0.0042	1.7887	0	0.2461	0.0021	0.0016	0	2.0446
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	0.0024	1.7671	0	0.252	0.0052	0.0253	0	2.0533
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	0.0037	1.8512	0	0.1922	0.0027	0	0	2.0507
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	0.0048	1.8029	0	0.2277	0.0039	0.0031	0	2.043
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	0.0013	1.8249	0	0.1953	0.006	0	0	2.0282
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	0.0023	1.7912	0	0.2448	0.0044	0.0009	0	2.0436
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	0.0026	1.8076	0	0.2123	0.0019	0.0007	0	2.0251
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	0.0048	1.7972	0	0.2524	0.0041	0.0028	0	2.0643
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	0.0028	1.7511	0	0.2868	0.0042	0.0003	0	2.0461
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0.0035	1.7425	0	0.3044	0.0044	0.0021	0	2.059
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	0.0037	1.8108	0	0.2148	0.0051	0	0	2.0365
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	0.0007	1.7838	0	0.2502	0.0029	0.0005	0	2.0407
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0.0054	0.0021	1.698	0	0	0	0.0004	0.1402	2.0995
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0.0053	0.0036	1.6272	0	0	0	0.0003	0.266	2.1674
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0	0.0012	1.7161	0	0.1136	0.0038	0.003	0.2375	2.1741
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	0.0054	1.7829	0	0.241	0.0031	0.0003	0	2.0351
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	0.0023	1.8124	0	0.239	0.0033	0.0003	0	2.0573
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	0.0046	1.8335	0	0.2042	0.0026	0.0007	0	2.0456
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	0.0064	1.8172	0	0.2118	0.0043	0	0	2.0412
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	0.0041	1.7752	0	0.2651	0.004	0	0	2.0512
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0.0053	0.001	1.731	0	0	0	0.0291	0.0136	2.027
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	0.0029	1.798	0	0.2298	0.0025	0.0018	0	2.0353
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	0.0019	1.8032	0	0.2333	0.0049	0.0009	0	2.0443
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	0.003	1.7905	0	0.246	0.0017	0.0021	0	2.0433
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0.0038	0.0032	1.6126	0	0	0	0.0446	0.1287	2.1006
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	0.0037	1.8007	0	0.2527	0.0023	0.0047	0	2.0641
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	0.0013	1.7447	0	0.1051	0.0013	0.0011	0.1601	2.1276
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	0.0027	1.8254	0	0.1986	0.0036	0.0008	0	2.0327
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	0.0051	1.8266	0	0.1917	0.0001	0.0003	0	2.0266
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	0.0044	1.7862	0	0.2419	0.0053	0.0029	0	2.0414
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	0.0048	1.8169	0	0.2269	0.0028	0.0019	0	2.0549
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	0.0043	1.8011	0	0.2146	0.0039	0.015	0	2.0414
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	0.0005	1.779	0	0.2619	0.005	0.0016	0	2.0508

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Mn3+	Cr3+	Al3+	Zn2+	Fe2+	Mn2+	Mg2+	Li+	Total	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0.0027	0.0017	1.6895		0	0	0	0	0.1668	2.0909
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	0.0029	1.7751		0	0.2564	0.0052	0.0002	0	2.0436

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	1		0.0051	0.0071	0	0	0.8596	0.0205	0.8924
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	2		0.0063	0.0018	0	0	0.9556	0.0288	0.9925
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	3		0.0078	0.0034	0	0	0.9056	0.0332	0.95
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	4		0.0058	0.0087	0	0	0.9338	0.0257	0.974
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	5		0.0076	0.0034	0.0003	0	0.912	0.0271	0.9504
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	1		0.0088	0.0162	0	0	0.8558	0.027	0.9079
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	2		0.0076	0.0024	0	0	0.9423	0.0289	0.9813
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	3		0.0071	0.0183	0	0	0.9448	0.0315	1.0017
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	4		0.0087	0.0091	0	0	0.9394	0.0283	0.9854
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	5		0.01	0.0055	0	0	0.9454	0.0214	0.9823
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	1		0.0069	0.0037	0	0	0.7518	0.1753	0.9377
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	2		0.0056	0.0114	0.0007	0	0.8355	0.0255	0.8788
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	3		0.0043	0.0042	0	0	0.962	0.0176	0.988
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	4		0.0056	0.0078	0	0	0.9506	0.026	0.99
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	5		0.0057	0.0042	0	0	0.9322	0.0232	0.9652
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	1		0.0064	0.0068	0	0	0.6532	0.0114	0.6778
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	2		0.0064	0.0092	0	0	0.8857	0.0226	0.924
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	3		0.0086	0.0033	0.0003	0	0.8821	0.0232	0.9175
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	4		0.0067	0.0052	0	0	0.8698	0.0168	0.8984
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	5		0.0058	0.0047	0	0	0.8918	0.0225	0.9249
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	6		0.0104	0.0066	0	0	0.837	0.0192	0.8732
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	1		0.0044	0.0031	0	0	0.8234	0.0213	0.8522
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	2		0.0059	0.0015	0	0	0.9617	0.0234	0.9925
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	3		0.0067	0.0033	0	0	0.9215	0.018	0.9495
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	1		0.0099	0.0082	0.0002	0	0.806	0.0193	0.8436
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	2		0.0059	0.004	0	0	0.9442	0.0209	0.975
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	3		0.0077	0.0041	0	0	0.9325	0.0226	0.9669
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	1		0.0069	0.0112	0	0	0.7751	0.0164	0.8095
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	2		0.0067	0.0127	0	0	0.9168	0.0316	0.9679
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	3		0.0088	0.008	0.001	0	0.8968	0.0237	0.9383
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	4		0.0068	0.0215	0.0008	0	0.9222	0.0277	0.9791
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	5		0.0078	0.0097	0	0	0.8812	0.0265	0.9252
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	1		0.0082	0.0147	0.001	0	0.8595	0.0202	0.9036
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	2		0.0101	0.0086	0	0	0.9466	0.0278	0.9931
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	3		0.0078	0.0045	0	0	0.9384	0.0279	0.9787
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	1		0.0011	0.0074	0	0	0.7487	0.0126	0.7698
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	2		0.0017	0.0002	0	0	0.8797	0.0688	0.9504
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	3		0.0019	0.0065	0	0	0.8733	0.0649	0.9466
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	4		0.0001	0.003	0	0	0.8743	0.0676	0.945
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_mical	1		0.0002	0.0008	0	0	0.7434	0.0126	0.7569
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_mical	2		0.0028	0.0049	0	0	0.8813	0.02	0.9089
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	1		0.0013	0.0031	0	0	0.8348	0.0247	0.8638
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	3		0.0013	0.0062	0	0	0.9037	0.0593	0.9705
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	4		0	0.0001	0	0	0.8939	0.0524	0.9464
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	5		0.0006	0.0033	0	0	0.9222	0.0249	0.951
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	6		0.0011	0.0035	0	0	0.9001	0.029	0.9337
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	7		0.0006	0.0115	0	0	0.9025	0.0213	0.9359
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	2		0.0008	0.0045	0	0	0.8529	0.0779	0.9361
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	3		0.0017	0.0051	0.0001	0	0.8374	0.0773	0.9216

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	4			0	0.0011	0	0	0.8461	0.0726	0.9198
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	5		0.0016	0.0024		0	0	0.8912	0.0202	0.9154
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	1			0	0.0012	0	0	0.8073	0.0769	0.8854
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	2		0.0011	0.0014		0	0	0.8859	0.0611	0.9495
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	3		0.0005	0.0008		0	0	0.853	0.1327	0.9869
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	1		0.0004	0.0011		0	0	0.8478	0.0558	0.9052
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	2		0.0016	0.0035	0.0005		0	0.9158	0.0277	0.9491
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	3			0	0.0024	0	0	0.9347	0.0202	0.9573
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	4		0.0019	0.001		0	0	0.7793	0.0911	0.8733
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	5		0.0008	0.003		0	0	0.8987	0.0215	0.924
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	1		0.0007		0	0	0	0.8183	0.0824	0.9013
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	2			0	0.0006	0	0	0.8471	0.0949	0.9426
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	3		0.0016	0.0016		0	0	0.8527	0.1004	0.9563
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	1		0.0008	0.002		0	0	0.7562	0.0636	0.8226
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	2		0.0009	0.0004		0	0	0.9009	0.0355	0.9377
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	3		0.0011	0.0008		0	0	0.9015	0.0208	0.9242
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	4		0.0008	0.002		0	0	0.827	0.0872	0.917
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	5			0	0.0016	0	0	0.8264	0.0905	0.9185
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	1		0.0009	0.0016		0	0	0.7933	0.0698	0.8656
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	2		0.0007	0.0009		0	0	0.8443	0.0898	0.9357
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	3			0	0	0	0	0.8537	0.0956	0.9493
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	4			0	0.0009	0	0	0.8488	0.0873	0.937
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	5		0.0004	0.0005		0	0	0.8509	0.0881	0.9399
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	1		0.002	0.0068		0	0	0.8102	0.0796	0.8986
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	2		0.0006	0.0022		0	0	0.8264	0.0879	0.9171
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	3		0.001		0	0	0	0.8442	0.0892	0.9343
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	4		0.001	0.0012		0	0	0.8366	0.0891	0.9279
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	1		0.0003	0.0009	0.0258		0	0.8645	0.0139	0.9055
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	2			0	0.0044	0.0234	0	0.8753	0.0136	0.9167
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	3		0.0003	0.003	0.0221		0	0.869	0.0157	0.9101
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	1		0.0013	0.0008		0	0	0.7567	0.0652	0.8239
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	2		0.0003	0.0017		0	0	0.8541	0.0896	0.9457
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	3		0.0022	0.0021		0	0	0.8514	0.0793	0.935
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	4		0.0006	0.0007		0	0	0.8664	0.0806	0.9483
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	5			0	0	0	0	0.8651	0.0908	0.9559
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	1		0.0014	0.001	0.0168		0	0.8913	0.0127	0.9231
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	2		0.0002	0.0005	0.0197		0	0.8781	0.0113	0.9098
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	3		0.001	0.0022	0.016		0	0.8836	0.0136	0.9164
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	1		0.002	0.0003	0.0018		0	0.8829	0.0197	0.9067
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	2		0.0009		0	0.0011	0	0.9213	0.0242	0.9475
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	3		0.0003	0.0001	0.0003		0	0.9275	0.0193	0.9475
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	1			0	0	0	0	0.7864	0.0778	0.8642
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	2		0.0012	0.0008		0	0	0.8658	0.0765	0.9443
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	3		0.0002		0	0	0	0.8387	0.0894	0.9283
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	4		0.0001	0.0011		0	0	0.8608	0.0614	0.9235
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	5		0.001		0	0	0	0.8299	0.0915	0.9223
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	6			0	0.0003	0	0	0.8429	0.0911	0.9343
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	1		0.0017	0.0001		0	0	0.7826	0.0606	0.845
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	2		0.0013		0	0	0	0.8316	0.0893	0.9221

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3		0.001	0.0003	0	0	0.8215	0.0718	0.8946
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4		0.001	0.0052	0	0	0.8182	0.084	0.9085
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5		0.0021	0.0029	0.0169	0	0.8647	0.0143	0.9008
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6		0.0003	0.0007	0.0172	0	0.8711	0.013	0.9023
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7		0.0013	0.0067	0.0233	0	0.8594	0.0111	0.9018
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1		0.0003	0.0019	0	0	0.8171	0.0852	0.9046
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2		0.0004	0.0004	0	0	0.8432	0.0898	0.9337
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3		0.0011	0	0	0	0.8494	0.0861	0.9366
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4		0.0018	0	0	0	0.8474	0.0879	0.9371
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5		0.0014	0.0005	0	0	0.8403	0.0873	0.9294
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1		0.0036	0.0018	0	0	0.6959	0.0076	0.7089
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2		0.0048	0.0001	0	0	0.7916	0.0217	0.8181
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3		0.0041	0.0009	0	0	0.8989	0.0214	0.9253
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4		0.0045	0.0012	0	0	0.8354	0.038	0.8791
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1		0.0022	0.0022	0	0	0.6826	0.0045	0.6914
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2		0	0.0032	0	0	0.8228	0.0068	0.8328
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3		0.0019	0.0028	0	0	0.797	0.01	0.8117
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4		0.0028	0.0018	0	0	0.831	0.0104	0.8459
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1		0.0009	0.0005	0	0	0.7339	0.0059	0.7413
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2		0.0015	0.0004	0	0	0.8207	0.0056	0.8282
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3		0.0013	0.0042	0	0	0.7768	0.0066	0.789
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4		0.0036	0.0034	0	0	0.792	0.0137	0.8127
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1		0.0046	0.0041	0	0	0.8031	0.0118	0.8236
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2		0.004	0.0066	0	0	0.8997	0.0235	0.9338
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3		0.0034	0.0014	0	0	0.8064	0.0116	0.8228
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4		0.0035	0.0047	0	0	0.7967	0.0097	0.8146
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5		0.002	0.0049	0	0	0.8722	0.02	0.8992
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6		0.0044	0.0017	0	0	0.8587	0.0171	0.882
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1		0.0017	0.0023	0	0	0.7037	0.0082	0.716
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2		0.0036	0.0017	0	0	0.6993	0.0134	0.7181
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1		0.0033	0.0013	0	0	0.7405	0.0075	0.7526
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1		0.0007	0.0013	0	0	0.775	0.009	0.7861
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2		0.002	0.0017	0	0	0.8219	0.0066	0.8322
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1		0.003	0.0056	0	0	0.7662	0.0091	0.7838
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1		0.0007	0.0011	0	0	0.7709	0.0837	0.8564
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2		0.0004	0	0.0008	0	0.872	0.0712	0.9444
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3		0	0.0014	0	0	0.8531	0.0769	0.9314
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4		0.0003	0.0003	0	0	0.9371	0.0224	0.9601
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5		0.0006	0.0009	0.0012	0	0.9482	0.025	0.9759
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6		0.0007	0.0028	0	0	0.7513	0.0148	0.7697
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1		0	0	0	0	0.7707	0.0758	0.8465
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2		0	0.003	0	0	0.8421	0.0956	0.9407
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3		0.0003	0.0004	0	0	0.8584	0.0962	0.9554
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4		0.0016	0.0015	0	0	0.8	0.0854	0.8885
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5		0	0.0018	0	0	0.8239	0.1055	0.9311
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1		0.0018	0	0	0	0.7822	0.0806	0.8645
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2		0	0.0011	0.0005	0	0.8484	0.1008	0.9508
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3		0	0.0009	0	0	0.8329	0.1093	0.9431
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4		0	0.0018	0	0	0.8517	0.1	0.9535

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1		0.0013	0.0006	0	0	0.7907	0.0731	0.8656
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2		0	0.0002	0	0	0.8598	0.0852	0.9452
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3		0.0017	0.0017	0.0001	0	0.8528	0.093	0.9493
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4		0.0011	0.0014	0.0007	0	0.9164	0.0451	0.9647
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5		0.0002	0	0	0	0.8501	0.102	0.9522
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1		0.0012	0.0025	0.0004	0	0.8133	0.0229	0.8402
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2		0.0005	0.001	0	0	0.9064	0.0321	0.94
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3		0	0.0011	0	0	0.9162	0.0288	0.9461
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1		0	0	0.0002	0	0.8164	0.0939	0.9105
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2		0.0006	0.0016	0	0	0.8483	0.105	0.9554
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3		0.0001	0	0	0	0.8646	0.1084	0.973
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4		0	0.0005	0	0	0.8391	0.1051	0.9448
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5		0.0011	0	0	0	0.892	0.0791	0.9721
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1		0.0015	0	0	0	0.8702	0.0266	0.8982
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2		0.0015	0.0001	0	0	0.9153	0.0324	0.9493
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3		0	0.0019	0.0014	0	0.9094	0.0477	0.9603
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4		0	0	0	0	0.9218	0.0625	0.9842
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1		0	0	0	0	0.819	0.1254	0.9444
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2		0	0.0011	0	0	0.8277	0.1153	0.9441
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3		0	0.0007	0	0	0.8162	0.1241	0.941
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4		0.0005	0.0004	0	0	0.825	0.1238	0.9497
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1		0	0.0008	0	0	0.7852	0.0725	0.8585
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2		0	0.0009	0	0	0.8717	0.0798	0.9524
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3		0.0002	0.0006	0	0	0.8392	0.105	0.9449
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4		0.0003	0.0004	0.0012	0	0.9077	0.0468	0.9564
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5		0	0.0004	0.0014	0	0.8945	0.0464	0.9427
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6		0.0009	0	0.0008	0	0.8401	0.1029	0.9448
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7		0	0.0013	0	0	0.8508	0.0976	0.9496
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8		0	0	0.0006	0	0.8549	0.0881	0.9436
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1		0	0.0007	0	0	0.8163	0.0677	0.8846
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2		0.0005	0	0	0	0.8388	0.1101	0.9494
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3		0	0	0	0	0.8544	0.1172	0.9716
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4		0.0006	0.0001	0	0	0.8463	0.1134	0.9605
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5		0.0001	0.0011	0	0	0.8374	0.1082	0.9468
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6		0.0018	0	0	0	0.8446	0.0998	0.9463
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1		0.0004	0.0004	0	0	0.8282	0.083	0.912
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2		0.0002	0	0	0	0.8528	0.0914	0.9444
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3		0.0012	0	0	0	0.9141	0.0485	0.9638
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4		0.0014	0.0005	0	0	0.8705	0.0753	0.9477
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5		0.0002	0	0.0008	0	0.855	0.1028	0.9587
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1		0.0005	0.001	0.0001	0	0.836	0.021	0.8586
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2		0.0008	0	0	0	0.9141	0.0298	0.9446
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3		0.0003	0.0004	0.0019	0	0.9084	0.0395	0.9505
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4		0.0014	0	0	0	0.856	0.0787	0.9361
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5		0.0014	0	0	0	0.8565	0.1119	0.9698
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6		0.0002	0.0007	0	0	0.8452	0.1111	0.9572
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2		0.0019	0	0.0009	0	0.9344	0.0142	0.9513
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3		0.001	0.0043	0	0	0.9198	0.0216	0.9467
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1		0.0019	0.0764	0	0	0.7944	0.0043	0.8769

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2		0.003	0.0026	0	0	0.9295	0.0144	0.9495
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1		0.0004	0.0029	0	0	0.8614	0.0846	0.9493
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2		0.0015	0.0023	0	0	0.8787	0.0576	0.9402
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1		0.0026	0.0018	0	0	0.8424	0.0513	0.8981
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2		0.0016	0.0032	0	0	0.8627	0.0761	0.9436
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2		0.0019	0.008	0	0	0.7704	0.0463	0.8267
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3		0.0024	0.0039	0	0	0.9148	0.0573	0.9785
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1		0.0019	0.0009	0	0	0.7984	0.0642	0.8653
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2		0.0034	0.0013	0	0	0.8717	0.0787	0.9551
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3		0.0012	0.0031	0	0	0.8624	0.0812	0.948
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1		0.0025	0.0023	0.0007	0	0.8304	0.0157	0.8516
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2		0.0019	0.001	0	0	0.9428	0.0117	0.9573
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3		0.0018	0.0016	0	0	0.9385	0.0135	0.9554
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1		0.0022	0.0003	0	0	0.8857	0.0383	0.9265
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2		0.0019	0.0015	0.0016	0	0.9224	0.0361	0.9635
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1		0.003	0.0011	0	0	0.8523	0.0399	0.8963
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2		0.0017	0.0028	0	0	0.929	0.0249	0.9584
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3		0.0009	0.0037	0	0	0.8782	0.0881	0.9708
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4		0.0005	0	0	0	0.9061	0.0648	0.9715
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1		0.0004	0	0	0	0.8069	0.0781	0.8854
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2		0.0003	0	0	0	0.8554	0.0878	0.9435
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3		0	0.0025	0	0	0.8914	0.0345	0.9285
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1		0.0007	0.0004	0	0	0.7865	0.0695	0.8571
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2		0	0.0004	0	0	0.8813	0.0684	0.9501
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3		0	0.0013	0	0	0.8125	0.0766	0.8904
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4		0.0002	0.0096	0	0	0.8224	0.0734	0.9055
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5		0	0.0001	0	0	0.8522	0.0879	0.9402
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1		0	0.0023	0	0	0.7756	0.0685	0.8464
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2		0.0016	0.0004	0	0	0.9436	0.0227	0.9683
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3		0	0.0009	0	0	0.9118	0.018	0.9306
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1		0.0004	0.0013	0	0	0.8285	0.0239	0.854
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2		0.0013	0.0008	0	0	0.885	0.0769	0.964
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3		0	0	0	0	0.9414	0.0303	0.9717
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1		0.0017	0	0	0	0.8534	0.051	0.906
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2		0.0004	0	0	0	0.9081	0.0507	0.9592
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3		0.0005	0.0014	0	0	0.8534	0.0835	0.9389
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1		0	0	0.0003	0	0.8313	0.071	0.9026
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2		0.0023	0.0009	0	0	0.9246	0.0611	0.989
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3		0.0005	0.0015	0	0	0.8545	0.1058	0.9623
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1		0	0	0	0	0.9014	0.0672	0.9686
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2		0.0006	0.0004	0	0	0.9653	0.0221	0.9884
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3		0	0.0002	0	0	0.9662	0.033	0.9994
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1		0.0018	0.0013	0	0	0.8729	0.0397	0.9156
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2		0.0006	0	0	0	0.9071	0.0267	0.9344
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3		0.001	0.0003	0	0	0.9259	0.0323	0.9596
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4		0.0003	0.0028	0	0	0.8662	0.0249	0.8942
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1		0.0013	0.0004	0	0	0.8359	0.0486	0.8862
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2		0.0006	0.006	0	0	0.8619	0.0733	0.9419
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3		0.0014	0.0042	0	0	0.8667	0.0648	0.9371

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4		0	0.0005	0	0	0.8711	0.0918	0.9634
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5		0.0012	0.0017	0	0	0.8398	0.0775	0.9202
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1		0	0.0001	0	0	0.8293	0.0658	0.8953
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2		0	0.0005	0	0	0.8846	0.0888	0.9738
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3		0.001	0.0029	0	0	0.8751	0.0778	0.9568
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4		0	0.0041	0	0	0.8656	0.0569	0.9267
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5		0.0008	0.0018	0	0	0.8206	0.1456	0.9688
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1		0.0016	0.0025	0	0	0.7612	0.0673	0.8326
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2		0	0.0001	0	0	0.8521	0.0951	0.9473
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3		0.0003	0.0056	0	0	0.8888	0.0763	0.9709
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4		0	0.0017	0	0	0.8403	0.0993	0.9414
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5		0	0.0019	0	0	0.8607	0.0748	0.9375
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6		0	0.0018	0.0008	0	0.8549	0.1035	0.9609
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7		0.0003	0.0014	0.0013	0	0.8475	0.1018	0.9524
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2		0.0002	0.0147	0	0	0.7187	0.0503	0.7839
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3		0	0.0061	0	0	0.8739	0.0724	0.9523
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4		0	0.002	0	0	0.8261	0.0714	0.8994
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5		0.0011	0	0	0	0.8458	0.1047	0.9516
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1		0.005	0.0012	0	0	0.8584	0.0425	0.907
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2		0.0032	0.0021	0.0003	0	0.8755	0.0771	0.9583
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3		0.0013	0.0023	0	0	0.8997	0.0666	0.97
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4		0.0008	0.0048	0	0	0.8716	0.1047	0.9819
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5		0.0039	0.0073	0	0	0.9069	0.041	0.959
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1		0	0.0029	0	0	0.8188	0.0605	0.8822
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2		0.002	0.0018	0	0	0.8514	0.0365	0.8917
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3		0.0005	0.0007	0	0	0.9193	0.0454	0.9659
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4		0.001	0	0.0005	0	0.8623	0.1076	0.9715
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5		0.0018	0.0029	0.0006	0	0.8211	0.0296	0.856
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1		0.0009	0.0028	0	0	0.726	0.0347	0.7644
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2		0.0009	0.005	0	0	0.8151	0.0629	0.8838
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4		0	0.0033	0	0	0.8149	0.1039	0.9221
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5		0.0003	0.0035	0	0	0.76	0.1805	0.9444
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1		0.0028	0.0074	0.0004	0	0.6741	0.0507	0.7354
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2		0.0011	0.0088	0	0	0.7941	0.0558	0.8598
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3		0.0036	0.0049	0	0	0.8525	0.0699	0.9309
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4		0.0009	0.0143	0	0	0.883	0.0936	0.9918
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5		0.0012	0.0029	0	0	0.8918	0.0871	0.9831
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1		0.0012	0.0077	0	0	0.7082	0.0368	0.7539
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2		0	0.0063	0	0	0.8879	0.0304	0.9246
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3		0.0005	0.0051	0	0	0.8078	0.0537	0.867
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4		0.0015	0.0065	0	0	0.9007	0.0608	0.9695
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1		0	0.0033	0.0011	0.024	0.7399	0.009	0.7774
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2		0.0002	0.0027	0.0021	0.0198	0.9035	0.0083	0.9366
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3		0.002	0.0009	0.0024	0.0215	0.8594	0.0249	0.9111
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4		0.0014	0	0.0023	0.0239	0.8312	0.0046	0.8634
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5		0.0004	0.0018	0.002	0.0271	0.8832	0.0092	0.9236
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6		0	0.0004	0.0006	0.0243	0.8519	0.0495	0.9267
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1		0	0.0012	0.0042	0.0294	0.7971	0.0314	0.8633
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2		0.0017	0.0009	0.0015	0.0319	0.861	0.0467	0.9436

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3		0.0003	0.0009	0.004	0.0361	0.8603	0.0331	0.9347
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4		0.0009	0.0005	0.004	0.0317	0.8728	0.0322	0.9421
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5		0	0.0009	0.0032	0.0277	0.862	0.0379	0.9316
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1		0	0.0012	0.0023	0.0368	0.8793	0.0051	0.9246
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2		0	0.0009	0.0023	0.0346	0.8602	0.035	0.933
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3		0.0006	0.0012	0.006	0.0433	0.8768	0.0187	0.9466
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4		0.0008	0.0017	0.0031	0.0313	0.8526	0.0396	0.9291
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5		0	0.0008	0.002	0.0203	0.7688	0.0303	0.8222
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6		0	0.0012	0.0041	0.0389	0.8973	0.0111	0.9527
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7		0	0.0004	0.0023	0.0251	0.8546	0.0165	0.8989
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1		0	0	0.0056	0.0317	0.8414	0.0269	0.9056
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2		0.0026	0.0032	0.0025	0.0218	0.875	0.0223	0.9274
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3		0	0.0013	0.0022	0.027	0.874	0.0287	0.9331
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4		0.0018	0	0.0033	0.0456	0.8621	0.0151	0.9279
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5		0.0002	0.0019	0.0005	0.0169	0.9187	0.0178	0.956
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1		0.0009	0.0016	0.0036	0.0267	0.8543	0.0201	0.9072
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2		0	0.0004	0.0054	0.0336	0.8576	0.0193	0.9161
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3		0.0002	0.0016	0.0037	0.0235	0.8611	0.0181	0.9082
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4		0.0016	0.0011	0.0016	0.0269	0.8484	0.0434	0.9231
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5		0.0001	0.0011	0.0005	0.0371	0.8597	0.0161	0.9146
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6		0	0.0006	0.002	0.0306	0.8452	0.0281	0.9065
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7		0	0.0015	0.0015	0.0282	0.8555	0.0279	0.9145
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8		0.0011	0	0.0036	0.0351	0.8519	0.028	0.9197
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1		0	0.0045	0.0017	0.0196	0.8629	0.0261	0.9149
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2		0	0.0001	0.0072	0.0402	0.8502	0.0354	0.9331
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3		0.0008	0.0006	0.0067	0.0376	0.8592	0.0281	0.933
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4		0	0.001	0.0064	0.0366	0.8905	0.0157	0.9502
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5		0	0.0007	0.0037	0.0298	0.8771	0.0195	0.9308
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1		0.0029	0.0014	0.004	0.0311	0.8689	0.0323	0.9406
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2		0	0.0012	0.0044	0.0332	0.8458	0.0195	0.904
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3		0.0004	0.0004	0.0023	0.0305	0.8676	0.0308	0.932
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4		0.0008	0.0007	0.0052	0.0255	0.8301	0.0321	0.8944
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5		0	0.0019	0.0044	0.0366	0.8658	0.0157	0.9245
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1		0.0006	0.0019	0.004	0.036	0.8503	0.0284	0.9212
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2		0.0008	0.0024	0.0017	0.0254	0.8625	0.0326	0.9255
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1		0	0.0007	0.0001	0.0094	0.8513	0.0327	0.8943
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2		0.0001	0	0.0011	0.0125	0.9071	0.04	0.9607
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3		0.0005	0.0006	0	0.0098	0.8962	0.0512	0.9582
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4		0.0025	0	0.0004	0.0192	0.9134	0.0193	0.9547
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5		0.0004	0	0	0.0145	0.9211	0.0296	0.9655
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1		0.0003	0.0008	0.0038	0.0376	0.8876	0.0144	0.9445
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2		0.0008	0.0008	0.0046	0.0367	0.8882	0.0097	0.9408
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3		0	0.0017	0.0021	0.0062	0.845	0.048	0.9031
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4		0.0009	0.0009	0.0014	0.0207	0.8895	0.0305	0.9439
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5		0.0011	0.0008	0.0015	0.0123	0.8873	0.0408	0.9438
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6		0	0.0009	0.001	0.0069	0.8597	0.0402	0.9088
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7		0	0.0017	0	0.0103	0.8715	0.0535	0.9371
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8		0.0011	0.0006	0.0003	0.0152	0.8871	0.0403	0.9447
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9		0.0004	0.0016	0	0.0091	0.8769	0.0416	0.9296

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10		0	0.0001	0.0003	0.0097	0.8811	0.0526	0.9438
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1		0	0.0002	0.0018	0.041	0.8882	0.0126	0.9439
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2		0.0006	0.0025	0.0023	0.0327	0.8932	0.0099	0.9413
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3		0.0005	0.0001	0.0014	0.0163	0.8721	0.0443	0.9348
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4		0	0.0014	0.0025	0.0462	0.8723	0.0089	0.9314
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5		0.0001	0.0014	0.0029	0.039	0.8593	0.0106	0.9133
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1		0	0.0019	0.0026	0.0228	0.8342	0.0115	0.8731
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2		0.001	0.0015	0.0029	0.0278	0.7989	0.0191	0.8511
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3		0.001	0.0014	0.0011	0.0094	0.8396	0.0566	0.909
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4		0	0.0014	0.0018	0.0328	0.8692	0.0098	0.9151
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5		0.001	0.0009	0.0029	0.0359	0.8654	0.0102	0.9163
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6		0	0.0012	0.0033	0.0359	0.883	0.0124	0.9359
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1		0.0006	0.0013	0	0.0122	0.7787	0.033	0.8257
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2		0.0013	0.0021	0.0005	0.0073	0.8666	0.0595	0.9373
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3		0.0011	0.0011	0.0023	0.0121	0.7855	0.0504	0.8526
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1		0.0011	0	0.0033	0.0306	0.8603	0.0085	0.9038
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2		0	0	0.0028	0.0333	0.9276	0.0118	0.9754
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3		0	0.0006	0.0024	0.0363	0.8799	0.013	0.9322
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4		0	0.0013	0.0033	0.0331	0.8905	0.0108	0.9391
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5		0.0004	0.003	0.0011	0.0412	0.8678	0.0153	0.9289
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1		0.0006	0.0005	0.0014	0.0167	0.7843	0.0383	0.8419
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2		0.001	0.0009	0.0007	0.0223	0.8675	0.0433	0.9357
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1		0	0.0024	0	0.0054	0.7778	0.0446	0.8303
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2		0.0017	0.0008	0.0012	0.0059	0.8862	0.0692	0.9651
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3		0.0007	0	0.0005	0.0059	0.8774	0.0642	0.9486
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4		0.0002	0	0.0001	0.0052	0.8651	0.081	0.9517
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5		0.0009	0.0023	0	0.014	0.8545	0.087	0.9588
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6		0.0005	0.0016	0.0005	0.008	0.8668	0.0684	0.9458
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1		0	0.0012	0.0003	0.0055	0.8142	0.0699	0.8911
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2		0.0005	0.0018	0.0003	0.0019	0.8714	0.0832	0.959
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3		0.0001	0.0001	0	0.0017	0.8828	0.077	0.9616
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1		0.0005	0.0008	0	0.0058	0.8172	0.0683	0.8926
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2		0	0.0003	0.0013	0.0068	0.8918	0.0592	0.9595
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3		0.0005	0	0.0004	0.0061	0.8506	0.0896	0.9473
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4		0	0.0006	0	0.0089	0.8962	0.0574	0.963
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5		0	0.0004	0	0.0028	0.859	0.0732	0.9354
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1		0	0.0003	0.0002	0.0059	0.7957	0.0528	0.8549
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2		0.0016	0.0063	0.0005	0.0035	0.8595	0.075	0.9464
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3		0	0.0005	0	0.0015	0.8798	0.0771	0.9589
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4		0.0013	0.0022	0	0.007	0.8351	0.054	0.8996
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5		0.0006	0.0089	0.0001	0.0153	0.847	0.0336	0.9056
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1		0	0.0002	0.0001	0.005	0.8479	0.04	0.8932
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2		0	0.0001	0	0.0015	0.8735	0.0481	0.9232
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3		0.0011	0.0002	0	0.0048	0.915	0.0395	0.9606
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4		0	0.0011	0.0001	0.0054	0.8877	0.075	0.9693
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5		0.0012	0	0	0.003	0.8775	0.0674	0.9491
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1		0.0005	0	0.0008	0.0031	0.7804	0.0666	0.8513
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2		0	0.0036	0	0.0054	0.8622	0.0755	0.9467
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3		0.0005	0.0004	0.0007	0.0091	0.8834	0.0798	0.9739

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	4			0	0.0013	0	0.0085	0.8677	0.0844	0.962
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	5		0.0002	0.0003	0.0002	0.0095	0.8569	0.0679	0.935	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	1		0	0.0012	0.0009	0.0077	0.7677	0.0344	0.8118	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	2		0	0.0001	0.0014	0.0122	0.8651	0.0448	0.9237	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	3		0.0006	0.0002	0.001	0.0099	0.8579	0.0332	0.9028	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	1		0	0.0006	0	0.0055	0.7496	0.0389	0.7945	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	2		0	0	0	0.0074	0.8718	0.0739	0.9531	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	3		0.0008	0	0	0.0075	0.8708	0.0729	0.9521	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	4		0.0009	0.0009	0	0.0056	0.8533	0.0804	0.9412	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	5		0.0011	0	0	0.0055	0.8775	0.0772	0.9614	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	1		0	0	0	0	0.8342	0.0905	0.9246	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	2		0	0.0003	0	0	0.8588	0.0975	0.9566	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	3		0	0.0001	0.0003	0	0.8689	0.0848	0.9541	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	4		0.0007	0.0003	0	0	0.8622	0.0949	0.9581	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	5		0.0005	0.0008	0	0	0.8539	0.0926	0.9478	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	1		0.0016	0.0008	0	0	0.7734	0.0673	0.843	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	2		0.0022	0.0026	0	0	0.8535	0.0891	0.9475	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	3		0.0019	0.0004	0.0004	0	0.8537	0.0864	0.9428	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	1		0	0	0	0	0.8195	0.0368	0.8563	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	2		0.0008	0.0016	0	0	0.8936	0.0434	0.9393	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	3		0.0003	0	0	0	0.8517	0.0717	0.9237	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	4		0.0014	0.0002	0	0	0.8859	0.0776	0.9652	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	5		0	0.0011	0	0	0.8327	0.082	0.9158	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	6		0.001	0.0016	0	0	0.8905	0.0541	0.9472	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	7		0.0015	0.0006	0	0	0.859	0.0877	0.9488	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	8		0.0002	0.0009	0	0	0.8564	0.0918	0.9492	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	1		0.0019	0.006	0.0004	0	0.7588	0.0638	0.8308	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	2		0.0006	0.001	0	0	0.8851	0.0652	0.9518	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	3		0.0003	0.0013	0	0	0.8624	0.09	0.954	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	4		0.0006	0.0045	0.0003	0	0.8632	0.0521	0.9207	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	5		0.0004	0.0013	0.0001	0	0.827	0.0871	0.916	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	6		0.0021	0.0025	0.0011	0	0.8296	0.0922	0.9276	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	1		0.0015	0.0096	0	0	0.7219	0.0435	0.7766	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	2		0.0006	0.0016	0	0	0.8717	0.071	0.945	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	3		0.0003	0.0093	0	0	0.8071	0.0566	0.8732	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	4		0.0016	0.0001	0.0001	0	0.8648	0.0667	0.9333	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	5		0	0	0.0007	0	0.8856	0.0566	0.9429	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	1		0.0016	0.0042	0	0	0.7856	0.0382	0.8296	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	2		0.0018	0.0041	0	0	0.9016	0.0353	0.9428	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	3		0.0008	0.0024	0	0	0.8999	0.0333	0.9364	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	4		0.0017	0.003	0	0	0.9007	0.0272	0.9325	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	5		0.0015	0.002	0	0	0.8946	0.0544	0.9525	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	1		0.0014	0.0019	0	0	0.8355	0.0234	0.8623	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	2		0.0011	0.0027	0	0	0.9275	0.0232	0.9545	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	3		0.0026	0.0031	0	0	0.832	0.087	0.9246	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	5		0.0013	0.0037	0	0	0.9052	0.0389	0.9492	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	1		0.0009	0	0	0	0.8979	0.04	0.9387	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	2		0.0008	0.0007	0	0	0.9016	0.0567	0.9599	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	3		0.0022	0	0	0	0.8887	0.0813	0.9721	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4		0.0008		0	0	0	0.8673	0.0783	0.9463
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5			0	0.0008	0	0	0.8641	0.091	0.9559
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1			0	0.0024	0	0	0.8076	0.038	0.848
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2		0.0011	0.0028		0	0	0.9103	0.0549	0.9691
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3		0.0002	0.0006		0	0	0.9368	0.0345	0.9721
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4		0.0014	0.0036		0	0	0.8535	0.0782	0.9368
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5		0.0007	0.0001		0	0	0.875	0.0662	0.942
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1		0.0011		0	0	0	0.8439	0.0544	0.8994
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2		0.0013		0	0	0	0.9348	0.0505	0.9866
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3		0.0006	0.0021		0	0	0.9298	0.0226	0.955
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4			0	0.0002	0	0	0.8821	0.0548	0.9371
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5		0.0013	0.0004		0	0	0.9433	0.0307	0.9757
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1		0.0012	0.0004		0	0	0.9014	0.0617	0.9647
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2		0.0007	0.0015		0	0	0.9246	0.0573	0.9841
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3		0.0003	0.0005		0	0	0.9145	0.0798	0.995
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1			0	0.0014	0.0002	0	0.9167	0.0776	0.9959
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2			0	0.0018		0	0.903	0.0828	0.9876
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3			0	0.0007	0.0001	0	0.849	0.1092	0.959
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4		0.0008	0.0006		0	0	0.8829	0.1107	0.995
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5			0	0.0007		0	0.8426	0.0925	0.9358
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6		0.0006	0.0009		0	0	0.8601	0.0988	0.9604
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	1			0	0.002	0.0012	0	0.9231	0.0656	0.9919
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	2			0	0.0019	0.0006	0	0.9384	0.0604	1.0014
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1			0	0.0019		0	0.9302	0.0507	0.9828
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2			0	0.0028		0	0.9101	0.0757	0.9886
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3		0.0009	0.0038		0	0	0.8935	0.0774	0.9757
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4		0.0008	0.0008		0	0	0.9122	0.0862	1
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5		0.0004	0.0012		0	0	0.872	0.0924	0.966
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6			0	0	0	0	0.8959	0.0918	0.9878
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7		0.0022	0.0003	0.0006		0	0.9144	0.0688	0.9862
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8		0.0008	0.0004		0	0	0.93	0.0568	0.988
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1		0.0008	0.0019		0	0	0.8543	0.0714	0.9284
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2		0.0012	0.0007		0	0	0.9033	0.1017	1.0069
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3		0.0029		0	0.0003	0	0.8904	0.0671	0.9607
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1			0	0.0054		0	0.8664	0.1043	0.9761
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2		0.0001		0	0.0001	0	0.8918	0.108	1
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3			0	0.0012		0	0.9024	0.1042	1.0078
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1			0	0.0012		0	0.8447	0.0633	0.9092
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2		0.0002	0.0014		0	0	0.8574	0.0902	0.9493
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3			0	0.0011	0.0002	0	0.8718	0.111	0.9841
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4			0	0.001		0	0.8625	0.1095	0.973
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5		0.0008	0.0006		0	0	0.8843	0.1029	0.9887
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1			0	0.0019		0	0.8233	0.0507	0.8759
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2		0.0019		0		0	0.9209	0.0598	0.9826
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3		0.0009		0	0	0.0025	0.9242	0.0619	0.9895
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4			0	0		0	0.8754	0.0793	0.9547
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5			0	0.0004		0	0.8704	0.1076	0.9785
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1			0	0		0	0.8617	0.11	0.9717
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2		0.0011	0.001	0.0008		0	0.909	0.0806	0.9925

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3		0	0.0008		0	0	0.8827	0.0702	0.9537
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4		0	0.0009	0.0003		0	0.8483	0.1039	0.9534
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5		0	0.0006		0	0	0.8516	0.0784	0.9306
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1		0	0.0002		0	0	0.8958	0.049	0.945
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2		0	0.0006		0	0	0.9075	0.0815	0.9895
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3		0.0011	0.0014		0	0	0.9037	0.0847	0.9909
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4		0.0009		0	0.0008	0	0.9456	0.0491	0.9964
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5		0.0013	0.0006		0	0	0.9195	0.0715	0.9928
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1		0	0.0007		0	0	0.9005	0.0758	0.9771
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2		0	0.0009		0	0	0.9221	0.0742	0.9973
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3		0	0.0021		0	0	0.8242	0.0821	0.9084
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1		0.0017		0	0	0	0.8801	0.0847	0.9665
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2		0	0.0002		0	0	0.9067	0.0931	1
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1		0.0001	0.0004		0	0	0.8742	0.1034	0.9781
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2		0	0.0006		0	0	0.875	0.1071	0.9827
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3		0	0.0002		0	0	0.8757	0.1015	0.9775
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4		0.001	0.0006		0	0	0.8715	0.1079	0.9811
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1		0		0	0.0003	0	0.8935	0.0898	0.9836
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2		0		0	0	0	0.9307	0.0693	1
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3		0.0007		0	0.0015	0	0.9196	0.0781	1
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4		0.0007	0.0007		0	0	0.8629	0.0972	0.9615
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5		0.0001		0	0	0	0.9057	0.0803	0.9861
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1		0.0008	0.0004		0	0	0.9069	0.0608	0.9689
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3		0	0.0003		0	0	0.9056	0.0848	0.9907
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4		0.002	0.0001		0	0	0.9239	0.0695	0.9956
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5		0.002	0.0457		0	0	0.8847	0.0641	0.9965
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1		0	0.0015		0	0	0.8823	0.0991	0.9829
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2		0	0.0014		0	0	0.914	0.0779	0.9933
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3		0		0	0	0	0.9096	0.0865	0.9962
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4		0	0.0003		0	0	0.9676	0.0321	1
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1		0.0005		0	0	0	0.8317	0.0864	0.9186
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2		0.0008		0	0	0	0.8604	0.0926	0.9538
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3		0.0007	0.0011		0	0	0.8731	0.0955	0.9704
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1		0.0013		0	0	0	0.9715	0.0062	0.9791
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2		0.0001	0.0012	0.0006		0	0.9694	0.0092	0.9804
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3		0.0011		0	0.0028	0	0.9532	0.0055	0.9626
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1		0.001	0.002		0	0	0.7954	0.0848	0.8833
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2		0.0002	0.0006		0	0	0.9127	0.078	0.9915
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3		0.0003	0.0007		0	0	0.924	0.0718	0.9969
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4		0.0005		0	0	0	0.8859	0.0972	0.9836
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5		0.0012	0.0006		0	0	0.8923	0.1112	1.0053
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1		0		0	0	0	0.8564	0.0929	0.9493
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2		0.0014	0.0011		0	0	0.8811	0.0996	0.9832
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3		0.0003	0.0001		0	0	0.9037	0.0875	0.9915
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1		0	0.0015		0	0	0.8946	0.0664	0.9625
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2		0.0002	0.0032		0	0	0.9457	0.0334	0.9824
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3		0.0015	0.0017		0	0	0.9438	0.0544	1.0015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1		0	0.0004		0	0	0.9255	0.0536	0.9794
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2		0.0021		0	0.0001	0	0.9204	0.0774	1

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3		0.0004	0.0013	0	0	0.9197	0.0786	1
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4		0.0014	0.0004	0	0	0.8971	0.0942	0.9932
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5		0.001	0.0009	0	0	0.9099	0.0836	0.9954
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1		0	0	0	0	0.9024	0.084	0.9864
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2		0.0018	0.0014	0	0	0.918	0.0808	1.002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3		0	0.0008	0	0	0.9109	0.0974	1.009
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4		0.0009	0.0003	0	0	0.9035	0.0957	1.0004
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5		0	0	0	0	0.8979	0.0998	0.9977
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1		0.0004	0	0	0	0.8885	0.0816	0.9705
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2		0.0017	0.0001	0	0	0.9232	0.0669	0.992
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1		0	0.0001	0.0005	0	0.8712	0.0952	0.967
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2		0.0024	0	0	0	0.9048	0.0856	0.9928
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3		0.0008	0.0002	0	0	0.8785	0.0972	0.9767
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1		0	0.0001	0	0	0.8774	0.0921	0.9696
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2		0.0018	0.0011	0	0	0.8818	0.1006	0.9853
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1		0.0014	0.0007	0	0	0.8889	0.0542	0.9452
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2		0.0029	0.0112	0	0	0.8306	0.0809	0.9257
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3		0.0012	0	0	0	0.905	0.0635	0.9698
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1		0.0011	0.0011	0	0	0.8407	0.0738	0.9168
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2		0.001	0.0014	0	0	0.9005	0.0892	0.9922
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1		0.0017	0.0001	0	0	0.8642	0.0657	0.9317
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2		0.0013	0.0021	0	0	0.9073	0.0711	0.9818
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3		0.0027	0.0018	0	0	0.8837	0.0895	0.9776
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2		0.0012	0.0009	0.0003	0	0.8989	0.0734	0.9747
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3		0	0.0081	0	0	0.8549	0.0767	0.9396
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1		0.0007	0.0007	0	0	0.8783	0.0888	0.9686
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2		0	0.0006	0	0	0.9042	0.071	0.9758
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3		0.0017	0.0023	0	0	0.8882	0.0989	0.9911
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4		0.0013	0.0007	0	0	0.9037	0.0879	0.9936
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1		0	0.0018	0.0008	0	0.8615	0.0863	0.9503
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2		0.0018	0.0005	0	0	0.9013	0.0808	0.9844
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3		0.0014	0.0007	0	0	0.8975	0.0849	0.9845
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4		0	0.001	0	0	0.8851	0.079	0.9651
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5		0.001	0.0011	0.0005	0	0.8886	0.094	0.9852
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1		0	0	0	0	0.8583	0.0981	0.9565
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2		0.0015	0.0002	0	0	0.8667	0.0895	0.9579
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3		0.0021	0.0001	0	0	0.8472	0.1097	0.9591
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1		0.0004	0.0003	0.0011	0	0.8826	0.071	0.9554
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2		0	0.0031	0.0012	0	0.9017	0.0713	0.9774
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3		0	0	0	0	0.8909	0.0866	0.9776
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4		0.0001	0.0005	0.0004	0	0.8872	0.0874	0.9756
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5		0.0002	0	0	0	0.8942	0.0813	0.9757
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1		0	0	0	0	0.8416	0.0724	0.914
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2		0.0001	0.0006	0	0	0.8723	0.0786	0.9516
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3		0	0.0003	0	0	0.8758	0.0849	0.9609
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4		0.0013	0.0014	0	0.0012	0.8651	0.0723	0.9413
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5		0	0	0	0.0005	0.8565	0.0677	0.9247
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1		0.0007	0.0006	0.0019	0.0063	0.8378	0.0113	0.8587
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2		0	0.0004	0	0.0071	0.9055	0.0138	0.9268

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1		0.0008	0.0014	0	0.0018	0.8105	0.0601	0.8746
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2		0.0015	0.0023	0.0003	0	0.8693	0.0435	0.9169
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3		0.0003	0.0001	0	0	0.8741	0.0786	0.9531
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4		0.0009	0	0.0008	0.0125	0.9013	0.0096	0.9251
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5		0.0004	0.0004	0	0.0115	0.9172	0.0149	0.9444
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1		0.0016	0.0035	0.0007	0	0.8174	0.0638	0.887
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2		0.0014	0.0049	0	0.0006	0.8619	0.087	0.9559
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3		0	0.0018	0	0	0.8715	0.0539	0.9272
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4		0.0016	0.0043	0.0003	0	0.863	0.0762	0.9453
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5		0.0015	0.004	0	0	0.8532	0.0738	0.9325
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1		0.0009	0.0022	0	0	0.8076	0.0656	0.8763
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2		0	0	0.001	0	0.8632	0.0862	0.9504
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3		0.0012	0	0	0	0.8671	0.0896	0.9579
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4		0.0006	0	0	0	0.8622	0.0841	0.9468
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5		0	0.0021	0.0008	0	0.8609	0.0865	0.9502
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1		0.0007	0.001	0.0008	0	0.7858	0.0571	0.8455
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2		0.0013	0.0033	0	0	0.8559	0.0721	0.9326
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3		0.0015	0.0011	0	0	0.8659	0.0728	0.9412
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4		0.0003	0.0048	0	0.0016	0.86	0.0669	0.9336
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5		0.0005	0.0011	0	0	0.8599	0.0557	0.9172
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1		0	0.0013	0	0	0.7734	0.0604	0.8351
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2		0.0007	0.0004	0	0	0.8638	0.0916	0.9566
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3		0.0006	0.0011	0.0003	0	0.8546	0.0711	0.9278
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4		0.0013	0.0014	0.0004	0	0.8663	0.0678	0.9371
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5		0.0006	0.0005	0	0	0.8932	0.0356	0.9298
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1		0	0.0005	0.0011	0.0044	0.8165	0.0085	0.831
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2		0.0003	0	0	0	0.8678	0.0798	0.9478
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3		0	0.0006	0.0002	0.0037	0.8597	0.0783	0.9424
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1		0	0.0014	0	0.0011	0.8356	0.0608	0.8988
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2		0.0009	0.002	0	0	0.87	0.0557	0.9286
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3		0.0008	0.0007	0.0003	0	0.8738	0.0672	0.9428
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4		0	0	0	0	0.8949	0.0459	0.9409
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5		0	0.0017	0.0003	0	0.8562	0.0793	0.9376
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6		0	0	0	0	0.9007	0.0557	0.9564
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1		0.0002	0.0009	0	0	0.7868	0.0344	0.8223
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2		0.0001	0.0022	0.0005	0	0.8738	0.0762	0.9528
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3		0.0007	0.0015	0.0009	0.0172	0.882	0.0425	0.9448
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4		0.0009	0.0005	0.0008	0	0.8698	0.0721	0.9441
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5		0	0.0011	0.0003	0	0.8659	0.0683	0.9357
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1		0	0.001	0.0015	0	0.7245	0.0056	0.7326
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2		0	0.0006	0	0	0.8958	0.0416	0.938
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3		0	0.0006	0	0	0.886	0.0837	0.9703
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4		0.0002	0	0.0016	0	0.8696	0.0811	0.9525
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1		0.0012	0.004	0.0008	0	0.7931	0.0051	0.8042
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2		0.0012	0.0032	0.0003	0	0.8267	0.008	0.8394
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3		0.0002	0.0013	0.0005	0	0.855	0.007	0.8639
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4		0.0002	0.0021	0.0001	0	0.8641	0.0051	0.8717
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5		0.0016	0.0079	0.0003	0	0.8191	0.0055	0.8344
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6		0	0.0016	0	0.0087	0.9022	0.0114	0.924

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7		0.0012	0.0008	0	0.0006	0.9143	0.0232	0.94
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9		0.0019	0.0051	0.0019	0	0.8391	0.0062	0.8542
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10		0	0.0013	0.0053	0.0095	0.8769	0.012	0.905
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1		0	0.0014	0	0	0.8393	0.0273	0.868
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2		0.0004	0.0007	0.0017	0	0.8737	0.0681	0.9446
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3		0.0008	0.0015	0.0002	0.0032	0.8809	0.0655	0.9522
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4		0.0016	0	0	0	0.8593	0.0764	0.9374
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5		0.0001	0.0006	0	0	0.8494	0.0764	0.9264
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1		0.0004	0.0021	0.0012	0	0.6846	0.0015	0.6897
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2		0	0	0	0	0.764	0.0046	0.7685
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3		0.0009	0.001	0.0003	0	0.7864	0.0087	0.7974
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4		0.0018	0.0025	0.0004	0	0.8507	0.0769	0.9323
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5		0.0011	0.0021	0.0003	0.0015	0.852	0.0755	0.9324
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6		0.0003	0.0024	0	0	0.8549	0.0706	0.928
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1		0.0026	0.0048	0	0	0.7748	0.0438	0.826
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2		0.0033	0.0068	0	0	0.8424	0.0646	0.9172
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3		0.0004	0.0027	0	0	0.8397	0.0844	0.9272
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4		0.0012	0.0001	0.0005	0	0.8634	0.0826	0.9478
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5		0.0006	0.0004	0.001	0	0.8477	0.0752	0.925
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1		0.0011	0.0006	0	0	0.7849	0.0588	0.8454
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2		0.001	0.0021	0.0005	0	0.8772	0.06	0.9407
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3		0.0002	0.0018	0	0	0.8565	0.1068	0.9653
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4		0.0021	0.0087	0	0	0.5288	0.0035	0.5431
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5		0.0005	0.0016	0.0011	0.0006	0.8958	0.0181	0.9175
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1		0.0007	0.004	0	0	0.8225	0.047	0.8743
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2		0.0001	0.0006	0.0012	0	0.8676	0.0817	0.9513
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3		0.0001	0.0032	0.0008	0	0.8487	0.0662	0.919
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1		0	0.0004	0.0002	0	0.8404	0.0224	0.8633
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2		0.0002	0	0.0009	0	0.8927	0.031	0.9247
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3		0.0008	0.0007	0	0	0.9172	0.0187	0.9375
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4		0.0012	0.0028	0	0	0.8641	0.0183	0.8865
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5		0.0012	0.0011	0.0006	0	0.8139	0.0149	0.8317
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1		0	0.0008	0.0007	0.0035	0.8179	0.0235	0.8464
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2		0.0009	0.0028	0.0011	0.0059	0.894	0.0216	0.9262
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3		0.0006	0.002	0.001	0.0028	0.8817	0.0198	0.9078
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4		0	0.0004	0.0011	0.002	0.8693	0.0167	0.8896
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5		0.0015	0.0004	0	0	0.872	0.0207	0.8946
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6		0.0022	0.0038	0	0	0.8612	0.0267	0.894
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1		0.0007	0.0001	0.0021	0.0006	0.7858	0.0142	0.8035
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2		0.001	0.0011	0.0001	0	0.8756	0.0228	0.9005
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3		0	0	0.0014	0.0027	0.8757	0.0243	0.904
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1		0.0005	0	0	0	0.864	0.0408	0.9053
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2		0.0004	0	0.0011	0	0.8872	0.0558	0.9444
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3		0.0011	0	0.0004	0	0.911	0.0237	0.9362
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4		0.001	0	0	0	0.9011	0.0274	0.9294
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5		0.0025	0.0042	0.0014	0.007	0.8424	0.0372	0.8946
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1		0.0005	0	0.0001	0	0.828	0.0242	0.8528
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2		0	0.0008	0.0001	0	0.8813	0.0321	0.9144
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3		0	0.0019	0	0	0.8723	0.0303	0.9045

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4		0.0006	0.0008	0.001	0.0023	0.8758	0.0287	0.9093
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5		0.001	0	0	0	0.9082	0.024	0.9332
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6		0	0	0.0017	0	0.868	0.0187	0.8884
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1		0.0011	0.0015	0	0	0.805	0.018	0.8257
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2		0.0011	0.002	0	0	0.8028	0.0186	0.8245
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3		0.0009	0.0023	0	0	0.8522	0.0229	0.8783
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4		0.0006	0.0017	0	0	0.7541	0.0161	0.7724
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5		0.0012	0.0013	0.0007	0	0.843	0.0187	0.8649
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1		0.0009	0	0	0	0.8556	0.0206	0.8771
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2		0.0022	0.0016	0.0007	0	0.8984	0.0188	0.9217
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3		0.0009	0.0002	0	0	0.9128	0.0267	0.9406
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4		0.0009	0.0006	0.0012	0	0.9017	0.0265	0.9309
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5		0.0005	0.0012	0.0013	0	0.9048	0.0247	0.9324
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6		0	0.0004	0	0	0.889	0.0206	0.91
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1		0.002	0.0011	0.0015	0	0.8119	0.0182	0.8347
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2		0.0011	0.0052	0.0003	0	0.8863	0.0208	0.9137
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3		0.0006	0.0015	0	0	0.8859	0.0265	0.9145
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4		0.0006	0.0026	0	0	0.827	0.0162	0.8463
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5		0.0012	0.0032	0.0011	0	0.837	0.0184	0.8609
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6		0.0012	0.0004	0	0	0.8745	0.0255	0.9016
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7		0.0003	0	0.001	0.0044	0.8225	0.0602	0.8884
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1		0.0018	0.0087	0.0008	0.0034	0.7589	0.0486	0.8221
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2		0	0.0008	0.0009	0.0022	0.8592	0.076	0.9391
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3		0.0001	0	0.0011	0.0011	0.8518	0.0645	0.9186
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4		0.0006	0	0.0013	0	0.8713	0.0419	0.9151
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5		0.0007	0	0.0006	0.0023	0.8454	0.0614	0.9103
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1		0.0001	0.0081	0	0	0.599	0.0122	0.6194
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2		0	0.0002	0	0	0.9151	0.0292	0.9445
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3		0.0013	0.0005	0	0	0.8742	0.0211	0.8971
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4		0	0.0018	0.0017	0	0.8939	0.0385	0.936
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5		0	0.0016	0.0008	0	0.8725	0.018	0.8929
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1		0	0	0.0025	0.0154	0.8376	0.0391	0.8946
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2		0.002	0	0	0	0.9017	0.0185	0.9222
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3		0.0007	0.0006	0.0013	0	0.8899	0.024	0.9166
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4		0	0.0013	0.001	0.0015	0.8986	0.023	0.9253
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5		0	0.0015	0.0012	0	0.8806	0.0245	0.9078
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1		0.0007	0.0008	0.0017	0.0046	0.8137	0.0366	0.858
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2		0.0011	0.0001	0.001	0.0021	0.9016	0.024	0.9299
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3		0.0018	0.0001	0.002	0.0011	0.838	0.0814	0.9244
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4		0	0.0004	0.0016	0	0.909	0.0221	0.9332
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5		0.0002	0	0.0015	0.0018	0.8885	0.039	0.931
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1		0.0003	0.0007	0	0	0.8429	0.0228	0.8666
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2		0.0005	0.0007	0	0	0.8457	0.0837	0.9306
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3		0	0.0008	0	0	0.8534	0.0855	0.9397
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4		0.0011	0.0007	0	0	0.862	0.0761	0.9399
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1		0.0005	0	0	0	0.8107	0.0561	0.8673
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2		0.0011	0.0002	0	0	0.8997	0.0666	0.9676
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3		0	0.0014	0	0	0.8919	0.074	0.9673
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4		0.0006	0	0	0	0.8986	0.0508	0.95

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5		0.0002		0	0	0	0.896	0.0294	0.9256
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1		0.0024	0.0017		0	0	0.7681	0.0592	0.8314
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2		0.0006	0.0021		0	0	0.8442	0.0993	0.9462
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3		0.0014	0.0014		0	0	0.8704	0.069	0.9422
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4		0.0011	0.0031		0	0	0.8523	0.0829	0.9394
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5		0.0016	0.0057		0	0	0.8206	0.0745	0.9024
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1		0.0012		0	0	0	0.8412	0.0777	0.9201
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2		0.0004	0.0016		0	0	0.8908	0.0638	0.9565
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3			0	0.0001	0	0	0.8747	0.0794	0.9542
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4		0.0007	0.0014		0	0	0.8689	0.0848	0.9557
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5		0.0002		0	0	0	0.8877	0.0866	0.9746
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1		0.0022	0.0078		0	0	0.8093	0.0909	0.9103
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2		0.002	0.0011		0	0	0.8458	0.0776	0.9265
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3		0.0004		0	0	0	0.8748	0.0655	0.9408
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4		0.0017	0.0051		0	0	0.887	0.0481	0.9419
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1			0	0.0019	0	0	0.7804	0.0529	0.8352
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2		0.0019	0.0004		0	0	0.8616	0.0796	0.9435
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3		0.0018		0	0	0	0.8559	0.0829	0.9406
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1		0.0007	0.0017		0	0	0.802	0.0699	0.8744
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2		0.0018	0.0038		0	0	0.8634	0.0899	0.9589
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3		0.0017	0.0004		0	0	0.9044	0.0357	0.9422
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1			0	0.005	0	0	0.8522	0.0623	0.9195
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2		0.0011	0.0015		0	0	0.8955	0.0697	0.9678
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3			0	0	0	0	0.8949	0.0789	0.9738
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4		0.0012	0.0009		0	0	0.8872	0.0779	0.9671
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5		0.0017	0.0007		0	0	0.8902	0.0735	0.966
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1			0	0	0	0	0.8044	0.0501	0.8545
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2		0.0005	0.0013		0	0	0.7789	0.0457	0.8264
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3			0	0.0011	0	0	0.8627	0.1028	0.9666
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4		0.0007	0.0007		0	0	0.863	0.0761	0.9405
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5		0.0014	0.0019		0	0	0.8482	0.1042	0.9557
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1		0.0021	0.0002		0	0	0.781	0.0726	0.8558
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2			0	0.0006	0	0	0.7729	0.0792	0.8526
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3		0.0001		0	0	0	0.8649	0.0879	0.9529
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4		0.0001	0.0015		0	0	0.8634	0.0812	0.9462
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5			0	0.0017	0	0	0.864	0.0942	0.96
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1		0.0005	0.0018		0	0	0.772	0.0715	0.8458
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2		0.0013	0.0027		0	0	0.7635	0.0671	0.8345
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3		0.0016	0.0036		0	0	0.8563	0.0916	0.953
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4		0.0016	0.0038		0	0	0.8469	0.0923	0.9447
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5		0.0007	0.0008		0	0	0.8686	0.0913	0.9613
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3		0.0013		0	0	0	0.9127	0.0635	0.9776
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4		0.0013	0.0005		0	0	0.9273	0.0512	0.9803
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1			0	0.0005	0	0	0.7741	0.0819	0.8565
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2		0.0013	0.001		0	0	0.7633	0.0794	0.845
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3			0	0.0013	0	0	0.8435	0.1064	0.9511
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4		0.0006	0.0022		0	0	0.8375	0.0965	0.9368
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5		0.0001	0.0024		0	0	0.8769	0.0802	0.9597
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1			0	0.0013	0	0	0.7542	0.0731	0.8285

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2		0.0001	0.0016	0	0	0.7371	0.0704	0.8092
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3		0.0003	0.0021	0	0	0.8686	0.0885	0.9594
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1		0.0002	0.0006	0	0	0.7936	0.0576	0.8519
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2		0	0.0012	0	0	0.7724	0.0463	0.8198
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3		0.0005	0.0012	0	0	0.8834	0.0881	0.9733
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1		0.0008	0.0067	0	0	0.8821	0.0261	0.9157
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2		0	0	0.0001	0	0.9152	0.0409	0.9562
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3		0	0.0006	0	0	0.8774	0.0692	0.9472
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1		0	0	0	0	0.8061	0.0324	0.8385
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2		0.0004	0.0058	0.0009	0	0.9162	0.0385	0.9619
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3		0.0002	0.0023	0.0002	0	0.8776	0.0745	0.9549
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4		0.0008	0.0034	0.0016	0	0.9047	0.0491	0.9597
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5		0.0003	0.0001	0	0	0.8967	0.0854	0.9825
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1		0.0002	0.001	0	0	0.8428	0.0558	0.8997
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2		0.0007	0	0.0001	0	0.9089	0.0579	0.9677
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3		0	0.002	0	0	0.9134	0.0493	0.9647
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4		0.0001	0.0011	0	0	0.9134	0.0427	0.9573
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5		0.0003	0.0024	0	0	0.896	0.0455	0.9442
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1		0.0016	0.0011	0.0004	0	0.8441	0.0614	0.9085
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2		0.0007	0.0009	0	0	0.8928	0.0801	0.9745
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3		0.0005	0.0009	0.0003	0	0.8887	0.0736	0.9639
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4		0	0.0003	0.0007	0	0.8977	0.0661	0.9648
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5		0.0006	0	0	0	0.8998	0.0818	0.9822
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1		0.0012	0	0.0004	0	0.8665	0.0603	0.9283
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2		0.0007	0	0.0004	0	0.8995	0.0612	0.9618
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3		0	0	0	0	0.9211	0.0422	0.9633
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4		0.0002	0.0004	0	0	0.8767	0.0928	0.97
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5		0.0003	0.0005	0.0004	0	0.8939	0.0731	0.9682
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1		0.0009	0	0.0011	0	0.8155	0.0412	0.8586
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2		0.0016	0	0	0	0.8875	0.0682	0.9573
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3		0.0019	0	0	0	0.9134	0.0394	0.9547
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4		0.0006	0.002	0	0	0.9132	0.0281	0.9438
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1		0.0011	0	0.0004	0	0.8572	0.0623	0.921
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2		0	0.0004	0	0	0.8746	0.0634	0.9383
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3		0	0.0015	0	0	0.878	0.0721	0.9516
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4		0.0002	0.002	0.0006	0	0.8672	0.0696	0.9396
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1		0.0009	0.0036	0.001	0	0.749	0.0533	0.8077
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2		0.0005	0.0004	0	0	0.8823	0.0761	0.9592
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3		0	0	0	0	0.8918	0.0594	0.9512
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4		0	0.0007	0	0	0.915	0.0396	0.9554
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5		0.0019	0.0171	0.0005	0	0.7669	0.0668	0.8531
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1		0.0017	0.0043	0.0009	0	0.8586	0.0544	0.9198
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2		0.0011	0.0017	0	0	0.8907	0.0532	0.9468
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3		0	0.0004	0	0	0.8866	0.0795	0.9664
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4		0.0011	0	0.0012	0	0.9059	0.0669	0.9751
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5		0.0003	0.001	0	0	0.9119	0.0513	0.9645
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1		0	0	0.0001	0	0.8685	0.0323	0.9009
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2		0.0027	0.0029	0	0	0.8886	0.0468	0.941
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3		0.0007	0	0	0	0.9286	0.0459	0.9752

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Ba2+	Ca2+	Cs+	Rb+	K+	Na+	Total	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4		0.0011	0.0001	0.0006		0	0.9154	0.0514	0.9685
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5		0	0.0003		0	0	0.9043	0.0645	0.9691

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	1		1.975	0.001	0.0209	0.0031	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	2		1.9819	0	0.0157	0.0025	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	3		1.9697	0.0008	0.0255	0.004	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	4		1.9818	0.0006	0.0141	0.0035	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_1_mosco	5		1.9979	0	0	0.0021	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	1		1.9863	0	0.0097	0.004	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	2		1.9957	0	0	0.0043	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	3		1.9861	0.0004	0.0112	0.0022	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	4		1.9959	0	0	0.0041	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_2_mosco	5		1.9964	0.0009	0	0.0027	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	1		1.9982	0.0004	0	0.0013	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	2		1.9646	0.0002	0.0341	0.001	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	3		1.9947	0.0003	0	0.005	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	4		1.9761	0	0.0158	0.0082	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_3_mica	5		1.9752	0	0.016	0.0088	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	1		1.987	0.0014	0.0016	0.01	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	2		1.9842	0.0016	0.0042	0.01	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	3		1.9905	0.0009	0.0058	0.0027	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	4		1.9716	0	0.0259	0.0026	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	5		1.9963	0.0018	0.0002	0.0016	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_4_mica	6		1.9963	0.0018	0	0.0019	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	1		2	0	0	0	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	2		1.989	0	0.0078	0.0032	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_5_mica	3		1.9952	0.0005	0	0.0043	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	1		1.9853	0.0001	0.0117	0.0029	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	2		1.9928	0.0003	0	0.0068	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_6_mica	3		1.9815	0	0.0164	0.0022	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	1		1.9894	0.0016	0.0059	0.003	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	2		1.9727	0	0.0246	0.0027	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	3		1.9891	0	0.0061	0.0048	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	4		1.9972	0	0.0019	0.0009	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_7_mica	5		1.9816	0	0.0164	0.002	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	1		1.967	0.0003	0.0277	0.0049	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	2		1.9719	0.0006	0.0199	0.0076	2	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_Ivo-GBATAO_8_mica	3		1.9772	0	0.0159	0.0069	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	1		1.9403	0.0008	0.046	0.013	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	2		1.9543	0.0014	0.0367	0.0076	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	3		1.9576	0	0.0331	0.0093	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_micll	4		1.941	0.001	0.0535	0.0045	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_mical	1		1.9985	0.0003	0	0.0012	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_1_mical	2		1.999	0	0	0.001	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	1		1.9355	0.0003	0.0574	0.0068	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	3		1.9656	0.0015	0.0278	0.0052	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	4		1.9643	0	0.031	0.0047	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	5		1.9526	0.0014	0.036	0.0101	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	6		1.9525	0.001	0.0356	0.0109	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_4_mica	7		1.953	0.0009	0.0333	0.0127	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	2		1.9768	0.0014	0.017	0.0047	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	3		1.9954	0	0	0.0046	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	4		1.9814	0.0004	0.0117	0.0064	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	5		1.9728	0.0002	0.0176	0.0094	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	1		1.9706	0	0.0154	0.0139	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	2		1.9753	0.0001	0.0158	0.0088	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	3		1.9651	0.0012	0.02	0.0137	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	1		1.9528	0	0.0319	0.0153	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	2		1.9586	0	0.0372	0.0042	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	3		1.9411	0	0.0448	0.0141	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	4		1.971	0.0004	0.0217	0.0069	2	
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	5		1.9577	0.0017	0.0216	0.019	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	1		1.8544	0.0011	0.1237	0.0207	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	2		1.8784	0.0009	0.1039	0.0168	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	3		1.8358	0.001	0.1509	0.0123	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	1		1.8622	0	0.1269	0.011	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	2		1.709	0.001	0.2518	0.0382	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	3		1.506	0	0.4522	0.0418	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	4		1.8423	0	0.1317	0.026	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	5		1.8339	0	0.143	0.0231	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	1		1.8526	0.001	0.1245	0.0218	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	2		1.8418	0.0019	0.1315	0.0248	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	3		1.8414	0	0.1368	0.0218	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	4		1.8442	0	0.1349	0.0209	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	5		1.8737	0	0.1009	0.0254	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	1		1.8656	0	0.1159	0.0185	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	2		1.8551	0	0.1315	0.0135	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	3		1.8959	0	0.0859	0.0182	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	4		1.884	0	0.1067	0.0093	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	1		1.0202	0.0001	0.9797	0	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	2		1.0187	0	0.9813	0	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	3		1.1004	0	0.8996	0	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	1		1.8444	0.0008	0.1452	0.0096	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	2		1.8592	0.0011	0.1224	0.0172	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	3		1.832	0.0009	0.1431	0.0239	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	4		1.7532	0	0.2179	0.0289	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	5		1.8203	0.0002	0.1552	0.0242	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	1		1.1241	0.0012	0.871	0.0037	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	2		0.9394	0.0001	1.0589	0.0016	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	3		1.0331	0	0.9628	0.0041	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	1		1.7042	0	0.2721	0.0237	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	2		1.6807	0.0001	0.2867	0.0324	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	3		1.6865	0.0003	0.2816	0.0315	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	1		1.8647	0	0.1216	0.0138	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	2		1.8608	0	0.1179	0.0212	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	3		1.8878	0.0007	0.0988	0.0127	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	4		1.865	0.0003	0.1169	0.0177	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	5		1.8904	0.0007	0.0944	0.0145	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	6		1.876	0	0.1094	0.0146	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	1		1.7649	0	0.2066	0.0286	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	2		1.8234	0	0.1665	0.01	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3		1.7699	0.0006	0.1994	0.0301	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4		1.7835	0.0019	0.1879	0.0266	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5		1.0511	0.0006	0.9453	0.0031	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6		0.9612	0	1.0341	0.0047	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7		0.9524	0.0001	1.0461	0.0014	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1		1.8233	0	0.1567	0.0201	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2		1.8396	0	0.1426	0.0177	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3		1.8424	0.0008	0.1369	0.0199	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4		1.8452	0.0017	0.1333	0.0198	2	
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5		1.869	0	0.1162	0.0148	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1		1.9713	0.0008	0.0269	0.0011	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2		1.9792	0.0021	0.0178	0.0009	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3		1.9933	0.0008	0	0.0059	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4		1.991	0.0007	0.0039	0.0044	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1		1.9905	0	0	0.0095	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2		1.9922	0.0014	0.0037	0.0027	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3		1.9906	0	0	0.0094	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4		1.956	0.0016	0.0355	0.007	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1		1.9761	0.0012	0.019	0.0037	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2		1.9907	0	0	0.0093	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3		1.9619	0.0019	0.0294	0.0069	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4		1.9521	0.003	0.0437	0.0013	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1		1.965	0.0008	0.0217	0.0125	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2		1.9643	0	0.0241	0.0116	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3		1.9722	0.0002	0.0156	0.012	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4		1.9779	0.0012	0.0095	0.0114	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5		1.9595	0.0003	0.0285	0.0117	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6		1.9674	0	0.0234	0.0092	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1		1.9693	0	0.0217	0.0089	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2		1.9501	0	0.0376	0.0123	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1		1.9632	0	0.0197	0.0171	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1		1.9807	0.0002	0.0039	0.0152	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2		1.9889	0.0007	0.0039	0.0066	2	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1		1.9556	0.0021	0.0383	0.004	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1		1.9212	0	0.0755	0.0032	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2		1.9304	0.0012	0.0668	0.0015	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3		1.9185	0.001	0.0789	0.0016	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4		1.8761	0	0.1144	0.0095	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5		1.9124	0	0.0846	0.003	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6		1.9018	0	0.0841	0.0141	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1		1.8879	0	0.102	0.0101	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2		1.8897	0.0006	0.0981	0.0116	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3		1.9351	0	0.0627	0.0022	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4		1.8977	0.0008	0.0999	0.0016	2	
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5		1.9167	0.0002	0.0801	0.003	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1		1.8874	0	0.1051	0.0076	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2		1.9166	0.0008	0.079	0.0036	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3		1.922	0.001	0.0734	0.0036	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4		1.8997	0	0.0942	0.0062	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1		1.887	0.0001	0.1031	0.0098	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2		1.8763	0	0.114	0.0097	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3		1.9275	0	0.0625	0.01	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4		1.8917	0	0.0999	0.0085	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5		1.9024	0.0003	0.0942	0.0031	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1		1.9006	0	0.0966	0.0029	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2		1.9361	0	0.0591	0.0047	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3		1.9608	0.0003	0.0342	0.0046	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1		1.9344	0.0007	0.0636	0.0014	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2		1.9434	0	0.0544	0.0021	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3		1.9368	0.0002	0.057	0.006	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4		1.9027	0.0018	0.0934	0.002	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5		1.9178	0.0003	0.0795	0.0023	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1		1.8978	0	0.0904	0.0118	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2		1.8745	0.0018	0.1161	0.0076	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3		1.8977	0.0002	0.0986	0.0035	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4		1.9549	0.0017	0.0418	0.0016	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1		1.8532	0	0.1411	0.0057	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2		1.8715	0	0.1211	0.0074	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3		1.9131	0	0.0822	0.0047	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4		1.8792	0	0.1161	0.0047	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1		1.9057	0	0.0904	0.004	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2		1.9307	0.0009	0.0643	0.0041	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3		1.9465	0	0.0506	0.0029	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4		1.8998	0.0003	0.0952	0.0046	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5		1.8847	0	0.1133	0.0019	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6		1.9164	0.0001	0.0796	0.0039	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7		1.8531	0.002	0.1422	0.0026	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8		1.9167	0	0.0794	0.0039	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1		1.9026	0	0.0929	0.0045	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2		1.9081	0	0.0892	0.0027	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3		1.8971	0.0009	0.0981	0.004	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4		1.9415	0	0.0565	0.002	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5		1.8883	0.001	0.1069	0.0038	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6		1.9118	0.0004	0.0795	0.0082	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1		1.9235	0.0007	0.0648	0.011	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2		1.8983	0	0.0914	0.0103	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3		1.8634	0.0014	0.1225	0.0128	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4		1.8712	0.0019	0.1159	0.011	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5		1.8773	0	0.1159	0.0068	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1		1.9225	0.0009	0.0745	0.0022	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2		1.932	0.001	0.067	0	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3		1.9509	0	0.0395	0.0096	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4		1.929	0	0.0677	0.0033	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5		1.911	0	0.0865	0.0026	2	
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6		1.9103	0.0008	0.0836	0.0052	2	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2		1.9776	0	0.0215	0.0009	2	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3		1.9628	0.0016	0.0348	0.0008	2	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1		1.7299	0.0039	0.0887	0.1774	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2		1.8958		0	0.0996	0.0046	2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1		1.9701	0.0033	0	0.0267		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2		1.9433	0.0006	0.0355	0.0206		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1		1.9574	0.0003	0.0252	0.0171		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2		1.9812	0.0011	0.0098	0.0079		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2		1.9818	0.0022	0	0.016		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3		1.9413	0.0003	0.0348	0.0236		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1		1.9736	0	0.0115	0.0149		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2		1.9561	0.0013	0.0243	0.0183		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3		1.9717	0.0009	0.0118	0.0156		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1		1.9183	0.0009	0.0805	0.0003		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2		1.9152	0	0.0825	0.0023		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3		1.9519	0	0.0467	0.0014		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1		1.9566	0.0006	0.017	0.0258		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2		1.9807	0	0.0192	0		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1		1.9477	0.0025	0.0271	0.0227		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2		1.9646	0.0014	0.0234	0.0107		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3		1.9522	0	0.0255	0.0223		2
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4		1.9577	0	0.0214	0.0209		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1		1.9767	0	0.0114	0.0119		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2		1.9812	0	0.0084	0.0105		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3		1.9972	0	0	0.0028		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1		1.9527	0.0011	0.0368	0.0094		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2		1.9557	0.0006	0.0097	0.034		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3		1.9856	0.0048	0	0.0095		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4		1.9629	0.0009	0	0.0362		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5		1.9785	0	0.0077	0.0138		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1		1.9526	0	0.0151	0.0323		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2		1.9741	0	0.0096	0.0163		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3		1.9748	0	0.0078	0.0175		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1		1.9532	0	0.0196	0.0272		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2		1.94	0.0008	0.0158	0.0434		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3		1.9538	0	0.0159	0.0303		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1		1.993	0.0004	0.0058	0.0007		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2		1.9985	0.0002	0.0002	0.001		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3		1.9923	0	0	0.0077		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1		1.9659	0.0006	0.0258	0.0077		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2		1.9534	0	0.0158	0.0307		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3		1.9806	0.0003	0.0096	0.0094		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1		1.9837	0.0012	0.006	0.009		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2		1.9583	0	0.0215	0.0202		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3		1.9749	0.0005	0	0.0247		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1		1.9569	0	0.0413	0.0019		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2		1.9966	0	0.0017	0.0017		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3		1.9998	0.0001	0	0.0001		2
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4		2	0	0	0		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	1		1.9483	0.0009	0.0424	0.0084		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	2		1.9692	0	0.02	0.0107		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	3		1.9967	0	0	0.0033		2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4		1.9715		0	0.0224	0.0061	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5		1.9608	0.0001	0.0341	0.0049		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1		1.9826		0	0.0079	0.0095	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2		1.948		0	0.0464	0.0056	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3		1.941	0.0001	0.047	0.0118		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4		1.939		0	0.0501	0.0109	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5		1.9618	0.0001	0.0285	0.0097		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1		1.9651	0.0006	0.0275	0.0069		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2		1.9817	0.0004	0.0101	0.0078		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3		1.9736		0	0.0183	0.0081	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4		1.9823	0.0009	0.0021	0.0147		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5		1.9553		0	0.0361	0.0085	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6		1.9673	0.0017	0.0284	0.0026		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7		1.9857	0.0008	0.0038	0.0097		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2		1.9799	0.0009	0.012	0.0072		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3		1.9399		0	0.0458	0.0143	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4		1.9844	0.002	0	0.0136		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5		1.9905	0.0003	0.0038	0.0054		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1		1.9869	0.0011	0.0073	0.0047		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2		1.9522	0.0007	0.0393	0.0077		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3		1.9533		0	0.0398	0.0069	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4		1.9374	0.0003	0.0529	0.0093		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5		1.9734	0.0017	0.0132	0.0117		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1		1.9676		0	0.0197	0.0127	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2		1.9748		0	0.0197	0.0054	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3		1.9628	0.0018	0.0215	0.0139		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4		1.9945	0.0005	0	0.005		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5		1.957	0.0002	0.0316	0.0112		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1		1.9475	0.0016	0.0446	0.0063		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2		1.9713	0.0005	0.016	0.0123		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4		1.9629		0	0.0277	0.0093	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5		1.9707	0.0004	0.023	0.0059		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1		1.989	0.0008	0	0.0102		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2		1.9775		0	0.0117	0.0109	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3		1.957	0.0015	0.0275	0.014		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4		1.9878		0	0.0096	0.0025	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5		1.9697		0	0.0217	0.0087	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1		1.9483	0.0012	0.0423	0.0082		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2		1.9592		0	0.0325	0.0082	2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3		1.9742	0.0003	0.0202	0.0053		2
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4		1.9941	0.0013	0	0.0045		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1		1.1561	0.0011	0.8428	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2		0.8727	0.001	1.1263	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3		0.8532		0	1.1468	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4		0.9733		0	1.026	0.0007	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5		0.8898		0	1.11	0.0002	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6		0.9523	0.0027	1.0451	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1		0.8988		0	1.1012	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2		0.9685	0.0001	1.0305	0.0009		2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3		0.6022		0	1.3961	0.0016	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4		0.8765	0.0001	1.1232	0.0002		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5		0.8893		0	1.1107	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1		0.744	0.0005	1.2556	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2		1.0213		0	0.9787	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3		0.7199	0.0006	1.2795	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4		1.1289	0.0012	0.8678	0.0021		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5		1.1898	0.0007	0.8094	0.0001		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6		0.8275		0	1.1666	0.0059	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7		0.9827		0	1.0171	0.0002	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1		0.7573		0	1.2415	0.0012	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2		1.336	0.0006	0.661	0.0025		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3		0.8343	0.0018	1.1631	0.0008		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4		0.6456	0.0005	1.3538	0.0002		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5		1.5147		0	0.4842	0.0011	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1		0.9146	0.0006	1.0841	0.0007		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2		0.826	0.0014	1.1711	0.0016		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3		0.9411		0	1.0586	0.0003	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4		0.784	0.0007	1.2153	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5		0.9827		0	1.0161	0.0012	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6		0.8165	0.0002	1.1821	0.0011		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7		0.8023	0.0006	1.195	0.0021		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8		0.797		0	1.203	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1		1.2242	0.0005	0.7746	0.0007		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2		0.927		0	1.0713	0.0017	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3		0.8981		0	1.1019	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4		0.8861		0	1.1139	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5		0.9216	0.0008	1.0751	0.0025		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1		0.9127	0.0011	1.0862	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2		0.908	0.0006	1.0895	0.0019		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3		0.848		0	1.152	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4		0.8338	0.0001	1.1661	0		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5		0.7828		0	1.2172	0	2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1		0.6533	0.0011	1.3442	0.0014		2
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2		0.9728	0.0004	1.0259	0.0009		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1		1.8176	0.0001	0.181	0.0013		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2		1.8536		0	0.1453	0.0011	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3		1.8222		0	0.1753	0.0025	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4		1.6482		0	0.3512	0.0006	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5		1.7132	0.0005	0.2848	0.0016		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1		0.6442	0.0001	1.3548	0.0009		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2		0.6951		0	1.3025	0.0024	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3		1.8177	0.0007	0.1795	0.0021		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4		1.7994	0.0005	0.1974	0.0027		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5		1.8382	0.0005	0.1602	0.0012		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6		1.8717	0.0001	0.1281	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7		1.7919	0.0006	0.2076	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8		1.823	0.0001	0.1761	0.0008		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9		1.856		0	0.144	0	2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10		1.8312		0	0.1677	0.0011	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1		0.7805	0.0017	1.2171	0.0008		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2		0.8083		0	1.1917	0	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3		1.8263		0	0.1737	0	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4		0.8066		0	1.1918	0.0016	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5		0.7661		0	1.2335	0.0004	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1		1.2487	0.0014	0.7498	0.0002		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2		1.2975		0	0.7025	0	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3		1.7831	0.0013	0.2152	0.0004		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4		0.8503	0.0002	1.1494	0.0001		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5		0.854		0	1.1454	0.0007	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6		0.9529		0	1.0465	0.0006	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1		1.7739	0.0011	0.225	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2		1.8021		0	0.1979	0	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3		1.7803	0.0017	0.218	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1		0.724	0.001	1.2749	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2		0.8734	0.0003	1.1263	0		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3		0.7793		0	1.2207	0	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4		1.1684	0.0018	0.829	0.0008		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5		0.8499		0	1.1496	0.0005	2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1		1.8527	0.0004	0.1453	0.0015		2
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2		1.8156	0.0014	0.1831	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1		1.8623	0.0001	0.1363	0.0013		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2		1.8226		0	0.1774	0	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3		1.8502		0	0.1498	0	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4		1.8329	0.0003	0.1668	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5		1.7491	0.0001	0.2497	0.0011		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6		1.8472	0.0011	0.1517	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1		1.8041	0.0002	0.1953	0.0003		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2		1.8197	0.0017	0.1786	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3		1.8167	0.0006	0.1828	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1		1.7811	0.0013	0.2176	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2		1.7762	0.0004	0.2233	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3		1.8255	0.0004	0.174	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4		1.8019	0.0007	0.1957	0.0017		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5		1.7992		0	0.2003	0.0005	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1		1.79	0.0009	0.2086	0.0005		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2		1.7827	0.0007	0.2165	0.0001		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3		1.8237	0.0019	0.1744	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4		1.8063	0.0001	0.1919	0.0016		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5		1.4713	0.0001	0.5285	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1		1.8373	0.0008	0.1619	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2		1.8335	0.0015	0.165	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3		1.8922	0.0002	0.1067	0.0008		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4		1.8191		0	0.1808	0.0001	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5		1.8442	0.0001	0.1554	0.0003		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1		1.7256	0.0001	0.2743	0		2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2		1.8401		0	0.1595	0.0004	2
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3		1.8303	0.0017	0.167	0.001		2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	4		1.8235	0.0002	0.1763	0	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_6_mica	5		1.8297	0	0.17	0.0003	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	1		1.8079	0	0.1907	0.0014	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	2		1.8106	0	0.1888	0.0006	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_7_mica	3		1.8133	0	0.1848	0.0019	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	1		1.8108	0	0.189	0.0002	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	2		1.8266	0.0002	0.1713	0.0019	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	3		1.912	0	0.088	0	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	4		1.7949	0	0.2051	0	2	
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3C_8_mica	5		1.785	0	0.215	0	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	1		1.8531	0	0.1419	0.005	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	2		1.8579	0.0007	0.1352	0.0063	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	3		1.848	0	0.1477	0.0042	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	4		1.8858	0.0002	0.1102	0.0038	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_10_mica	5		1.8846	0.0005	0.1114	0.0036	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	1		1.9099	0	0.0863	0.0038	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	2		1.9003	0.0005	0.0966	0.0027	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_11_mica	3		1.8629	0	0.1337	0.0033	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	1		1.8066	0	0.1737	0.0197	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	2		1.8733	0	0.1211	0.0056	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	3		1.8806	0.0006	0.1127	0.0061	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	4		1.8366	0	0.1423	0.021	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	5		1.8901	0	0.1049	0.0049	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	6		1.8224	0.0009	0.1716	0.0051	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	7		1.8167	0	0.1573	0.026	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_1_mica	8		1.8191	0.0005	0.1712	0.0093	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	1		1.8987	0	0.0964	0.0049	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	2		1.9137	0.0006	0.0813	0.0045	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	3		1.8959	0	0.1007	0.0034	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	4		1.925	0.0018	0.0707	0.0024	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	5		1.8958	0.0008	0.1004	0.0029	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_2_mica	6		1.9412	0	0.0579	0.0008	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	1		1.8464	0.0011	0.1457	0.0068	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	2		1.8179	0	0.171	0.0111	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	3		1.8746	0.0019	0.1141	0.0094	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	4		1.889	0.0002	0.1049	0.0059	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_3_MICA	5		1.883	0	0.1118	0.0052	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	1		1.7592	0	0.18	0.0608	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	2		1.8025	0	0.1721	0.0253	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	3		1.8566	0.0007	0.1297	0.013	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	4		1.7827	0	0.1632	0.0541	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_4_mica	5		1.7844	0	0.177	0.0386	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	1		1.7982	0	0.1539	0.048	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	2		1.8376	0.0001	0.1318	0.0304	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	3		1.8515	0.0006	0.1352	0.0127	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_5_mica	5		1.7817	0.0005	0.2012	0.0167	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	1		1.7454	0	0.238	0.0166	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	2		1.8209	0.0002	0.1572	0.0217	2	
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_Ivo-MONS1A_6_mica	3		1.8313	0.0007	0.1531	0.0149	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4		1.8431		0	0.1423	0.0146	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5		1.8455		0	0.132	0.0224	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1		1.8073	0.0007	0.1587	0.0334		2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2		1.796		0	0.1676	0.0364	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3		1.8297		0	0.1446	0.0257	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4		1.81	0.0007	0.1566	0.0327		2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5		1.7584		0	0.2147	0.0269	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1		1.7638		0	0.228	0.0082	2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2		1.7142	0.0001	0.2776	0.0082		2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3		1.6179	0.0001	0.3648	0.0172		2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4		1.7836	0.0012	0.2016	0.0136		2
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5		1.7328		0	0.249	0.0182	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAISi	1		1.7953		0	0.1957	0.009	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAISi	2		1.7402	0.0017	0.2429	0.0151		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAISi	3		1.7711	0.0018	0.2162	0.0109		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1		1.8327		0	0.1602	0.0071	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2		1.8219	0.0014	0.1672	0.0096		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3		1.7446	0.0039	0.2482	0.0032		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4		1.8219	0.0009	0.1742	0.003		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5		1.7752	0.0134	0.2075	0.0039		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6		1.7717	0.0005	0.2245	0.0034		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	1		1.7507	0.0018	0.2399	0.0075		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	2		1.8461	0.0007	0.1484	0.0049		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1		1.8753	0.0055	0.1129	0.0063		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2		1.8003		0	0.1914	0.0083	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3		1.7708		0	0.2214	0.0078	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4		1.8154	0.0003	0.1711	0.0132		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5		1.8106	0.0017	0.1848	0.003		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6		1.8025		0	0.1937	0.0038	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7		1.928	0.0015	0.0705	0		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8		1.9294	0.001	0.0696	0		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1		1.746	0.0171	0.2327	0.0042		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2		1.8513		0	0.1459	0.0027	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3		1.7437		0	0.2468	0.0096	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1		1.8131	0.0008	0.183	0.0031		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2		1.8034		0	0.1929	0.0037	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3		1.7821	0.0003	0.2116	0.006		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1		1.68	0.006	0.2907	0.0233		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2		1.8075	0.0045	0.1729	0.0151		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3		1.7397		0	0.2563	0.004	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4		1.727	0.0003	0.2688	0.0038		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5		1.7733		0	0.2237	0.003	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1		1.7319	0.0091	0.2534	0.0056		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2		1.749		0	0.2049	0.0461	2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3		1.7512	0.0008	0.2303	0.0177		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4		1.7863	0.0003	0.2116	0.0018		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5		1.8119	0.0009	0.1839	0.0032		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1		1.7627	0.0011	0.2311	0.0051		2
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2		1.8098	0.0017	0.1788	0.0097		2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3		1.7393	0.0027	0.2473	0.0107	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4		1.7949	0	0.1997	0.0053	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5		1.8099	0.0011	0.1828	0.0061	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1		1.7504	0	0.2409	0.0088	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2		1.7841	0.0003	0.2122	0.0033	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3		1.6768	0	0.3048	0.0183	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4		1.8136	0.0018	0.1752	0.0094	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5		1.8105	0.0011	0.1784	0.01	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1		1.6793	0.0014	0.3072	0.0121	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2		1.7211	0.0008	0.2664	0.0118	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3		1.8157	0.0067	0.1651	0.0125	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1		1.7565	0	0.2424	0.0011	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2		1.8296	0	0.1662	0.0042	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1		1.7986	0	0.1975	0.0038	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2		1.7921	0	0.2024	0.0055	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3		1.7744	0.0002	0.2192	0.0062	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4		1.8144	0.0015	0.1795	0.0046	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1		1.7959	0	0.2014	0.0026	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2		1.7562	0	0.2361	0.0077	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3		1.7277	0.0001	0.2678	0.0044	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4		1.8114	0	0.1866	0.0019	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5		1.9095	0.0015	0.0891	0	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1		1.7994	0	0.1955	0.005	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3		1.6728	0	0.3133	0.0138	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4		1.7621	0.0002	0.2237	0.014	2	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5		1.7736	0.0014	0.2142	0.0107	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1		1.8509	0.0006	0.1364	0.0121	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2		1.8653	0.0009	0.1282	0.0056	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3		1.8472	0	0.1396	0.0132	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4		1.6862	0.0012	0.2799	0.0327	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1		1.8365	0.0031	0.1443	0.0161	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2		1.7503	0.0043	0.2291	0.0163	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3		1.8027	0.0035	0.1781	0.0157	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1		1.5426	0.0009	0.411	0.0455	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2		1.339	0.0008	0.6365	0.0236	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3		1.3227	0.0028	0.6553	0.0191	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1		1.8668	0	0.1202	0.013	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2		1.8334	0.0007	0.1532	0.0127	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3		1.7135	0.0001	0.2598	0.0266	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4		1.8006	0	0.1796	0.0198	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5		1.7752	0	0.2051	0.0198	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1		1.7953	0.0002	0.1969	0.0076	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2		1.8298	0.0001	0.1624	0.0076	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3		1.7896	0.001	0.1991	0.0103	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1		1.8425	0.0003	0.143	0.0141	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2		1.8595	0	0.1253	0.0152	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3		1.8032	0.0003	0.1861	0.0104	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1		1.8631	0.0006	0.1178	0.0185	2	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2		1.7941	0.0016	0.1849	0.0195	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3		1.7969		0	0.1859	0.0172	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4		1.794	0.002	0.1909	0.013		2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5		1.8489		0	0.1357	0.0154	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1		1.8605		0	0.1251	0.0144	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2		1.8543		0	0.1326	0.0132	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3		1.8065		0	0.1717	0.0218	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4		1.8351	0.0005	0.1473	0.0172		2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5		1.7991	0.0005	0.1837	0.0168		2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1		1.8063	0.0006	0.166	0.0271		2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2		1.8081		0	0.1647	0.0273	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1		1.7786		0	0.2114	0.0099	2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2		1.8466	0.0006	0.1397	0.0132		2
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3		1.7867	0.0001	0.1945	0.0186		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1		1.9329	0.0012	0.0534	0.0124		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2		1.9149	0.0012	0.0753	0.0085		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1		1.9276		0	0.0509	0.0215	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2		1.9774	0.0012	0	0.0214		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3		1.9665	0.0024	0.0038	0.0273		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1		1.9639	0.0001	0.0312	0.0048		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2		1.9673	0.0004	0.0231	0.0092		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1		1.9741	0.0004	0.0117	0.0137		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2		1.9323	0.0002	0.0517	0.0157		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3		1.9579		0	0.0315	0.0106	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2		1.9527	0.0008	0.0453	0.0012		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3		1.9455	0.0006	0.0531	0.0009		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1		1.9562		0	0.0275	0.0163	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2		1.9481	0.0008	0.047	0.0041		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3		1.9548		0	0.0333	0.0118	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4		1.9386		0	0.0379	0.0234	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1		1.9637		0	0.0338	0.0025	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2		1.964	0.0004	0.0312	0.0043		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3		1.9725		0	0.025	0.0025	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4		1.9568		0	0.0432	0	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5		1.9614	0.0008	0.0376	0.0001		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1		1.9755		0	0.0245	0	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2		1.956		0	0.044	0	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3		1.932		0	0.068	0	2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1		1.9245	0.0004	0.0738	0.0013		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2		1.9822	0.0001	0.0177	0		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3		1.948	0.0001	0.0512	0.0007		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4		1.9455	0.0011	0.0533	0		2
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5		1.9924		0	0.0076	0	2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1		1.7965		0	0.2027	0.0008	2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2		1.8157		0	0.1822	0.0022	2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3		1.7754		0	0.223	0.0017	2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4		1.7723	0.0007	0.227	0		2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5		1.6485	0.0003	0.3511	0		2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1		1.4958	0.002	0.5022	0		2
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2		1.5414	0.0007	0.4579	0		2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1		1.7497	0.0007	0.2484	0.0012	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2		1.7942	0	0.2058	0	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3		1.8272	0.0012	0.1701	0.0015	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4		1.4552	0.0009	0.5417	0.0022	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5		1.4554	0	0.5446	0	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1		1.7696	0.0007	0.229	0.0007	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2		1.7775	0	0.2213	0.0011	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3		1.8723	0.0006	0.1251	0.002	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4		1.8156	0	0.1821	0.0023	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5		1.8332	0.0011	0.165	0.0007	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1		1.8351	0.0007	0.1609	0.0033	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2		1.7854	0	0.2128	0.0017	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3		1.804	0	0.1936	0.0023	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4		1.7912	0.0002	0.2081	0.0005	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5		1.7589	0.0008	0.2376	0.0027	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1		1.8044	0.0015	0.192	0.0021	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2		1.7704	0	0.2296	0	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3		1.7385	0.0009	0.2589	0.0018	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4		1.7172	0	0.2815	0.0013	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5		1.8125	0	0.1863	0.0012	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1		1.7772	0.0013	0.2202	0.0012	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2		1.8261	0	0.1729	0.001	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3		1.7206	0.0007	0.2787	0	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4		1.7802	0	0.2197	0.0002	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5		1.7518	0	0.2477	0.0004	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1		1.4169	0.0002	0.582	0.0008	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2		1.7595	0	0.2394	0.0011	2	
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3		1.8058	0	0.1942	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1		1.635	0.0003	0.3628	0.0018	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2		1.8179	0.0007	0.1813	0.0001	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3		1.8158	0	0.1839	0.0003	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4		1.746	0	0.2536	0.0004	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5		1.7963	0	0.2022	0.0015	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6		1.7686	0	0.2302	0.0012	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1		1.6955	0	0.2977	0.0068	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2		1.7805	0.0014	0.2092	0.0089	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3		1.3273	0.0005	0.6723	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4		1.7261	0.0002	0.2731	0.0006	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5		1.7852	0.0001	0.2137	0.001	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1		1.9436	0	0.0564	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2		1.7634	0.0001	0.2354	0.0011	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3		1.8176	0	0.181	0.0013	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4		1.7958	0	0.2042	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1		1.8093	0	0.1907	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2		1.8225	0	0.1775	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3		1.9082	0	0.0918	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4		1.8911	0.0016	0.1074	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5		1.7722	0.001	0.2268	0	2	
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6		1.6678	0	0.3321	0.0001	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7		1.8776		0	0.1224	0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9		1.7976	0.0019	0.2005		0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10		1.5683		0	0.4317	0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1		1.6841	0.0008	0.3116	0.0036		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2		1.8266		0	0.1716	0.0017	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3		1.7348	0.001	0.2631	0.0011		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4		1.7645		0	0.2314	0.0041	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5		1.8343	0.0019	0.1591	0.0047		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1		1.9842		0	0.0158	0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2		1.9758		0	0.0242	0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3		1.9655	0.0007	0.0338		0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4		1.8403	0.0001	0.1584	0.0012		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5		1.6793	0.0014	0.3187	0.0007		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6		1.7907		0	0.2073	0.002	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1		1.7989		0	0.1998	0.0013	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2		1.7847	0.0001	0.2138	0.0014		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3		1.8386	0.001	0.1572	0.0032		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4		1.8088	0.0017	0.1894	0.0002		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5		1.7817	0.0006	0.2169	0.0009		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1		1.7807		0	0.218	0.0012	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2		1.7801		0	0.2197	0.0002	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3		1.756	0.0007	0.2316	0.0118		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4		1.996	0.0003	0.0037		0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5		1.7072	0.0008	0.292		0	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1		1.7856	0.001	0.2109	0.0025		2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2		1.7613		0	0.2383	0.0004	2
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3		1.825	0.0011	0.1703	0.0036		2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1		1.8839	0.0001	0.1158	0.0002		2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2		1.8746		0	0.1254	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3		1.8742		0	0.1258	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4		1.83	0.0006	0.1694		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5		1.6255	0.0011	0.3734		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1		1.9014		0	0.098	0.0006	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2		1.9753		0	0.0247	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3		1.9819		0	0.0181	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4		1.8927		0	0.1072	0.0001	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5		1.8617	0.0003	0.138		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6		1.9034	0.0004	0.0961		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1		1.7626	0.0009	0.2362	0.0004		2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2		1.9269	0.0003	0.0728		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3		1.5995	0.0026	0.3979		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1		1.8949		0	0.1051	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2		1.9069		0	0.0931	0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3		1.8245	0.0016	0.1739		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4		1.9298	0.0009	0.0693		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5		1.7264	0.0002	0.2733		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1		1.9243	0.0002	0.0745	0.0009		2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2		1.9545	0.0012	0.0443		0	2
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3		1.8678	0.0003	0.1318		0	2

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4		1.7993	0.0017	0.1991	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5		1.9084	0.001	0.0906	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6		1.8707	0	0.1293	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1		1.8665	0.0012	0.1315	0.0007	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2		1.8395	0	0.1605	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3		1.7405	0.0012	0.258	0.0003	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4		1.8513	0	0.1487	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5		1.8901	0.001	0.1089	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1		1.7966	0	0.2027	0.0007	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2		1.8732	0.0012	0.1255	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3		1.8364	0.0001	0.1628	0.0007	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4		1.8653	0.0016	0.1332	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5		1.9176	0.0017	0.0807	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6		1.848	0.0007	0.1513	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1		1.8847	0.0009	0.1144	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2		1.8287	0	0.1713	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3		1.8529	0.0001	0.1467	0.0003	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4		1.7638	0	0.2362	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5		1.8349	0.0002	0.1649	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6		1.8715	0	0.1285	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7		1.9367	0.0008	0.0625	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1		1.9146	0.0003	0.0851	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2		1.8992	0	0.1008	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3		1.9048	0.0006	0.0946	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4		1.9164	0.0004	0.0831	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5		1.8936	0	0.1064	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1		1.913	0.0008	0.0862	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2		1.8984	0.0003	0.101	0.0002	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3		1.8961	0	0.1033	0.0006	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4		1.9166	0.0003	0.0831	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5		1.8303	0.0006	0.1692	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1		1.498	0	0.5019	0.0001	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2		1.8346	0.0002	0.1651	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3		1.8697	0.0006	0.1297	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4		1.9226	0	0.0774	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5		1.9212	0.0004	0.0784	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1		1.9046	0.0012	0.0942	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2		1.9534	0	0.0466	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3		1.9042	0	0.0958	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4		1.9043	0.0003	0.0954	0	2	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5		1.8997	0	0.1003	0	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1		1.8913	0	0.0771	0.0316	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2		1.9079	0	0.0728	0.0193	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3		1.904	0.0005	0.0728	0.0228	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4		1.9024	0.0003	0.0805	0.0168	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1		1.9302	0	0.0564	0.0134	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2		1.869	0	0.0911	0.04	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3		1.9503	0.0003	0.0301	0.0193	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4		1.9068	0.001	0.0664	0.0258	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5		1.9269	0.0008	0.0501	0.0222	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1		1.872	0.0001	0.1077	0.0203	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2		1.9123	0.0001	0.066	0.0216	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3		1.8994	0.0018	0.0785	0.0203	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4		1.9003	0	0.0809	0.0188	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5		1.8627	0.0011	0.1177	0.0185	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1		1.9097	0	0.0715	0.0188	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2		1.8987	0	0.0769	0.0244	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3		1.8751	0.0011	0.1031	0.0207	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4		1.8953	0.0002	0.0806	0.0239	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5		1.901	0	0.0748	0.0241	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1		1.8735	0.0011	0.1045	0.0209	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2		1.8539	0.0003	0.1267	0.0191	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3		1.9063	0	0.0742	0.0195	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4		1.9015	0.001	0.0781	0.0194	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1		1.8614	0.0008	0.1165	0.0213	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2		1.9018	0.001	0.0754	0.0218	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3		1.9035	0.0001	0.0768	0.0196	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1		1.9138	0.001	0.0647	0.0205	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2		1.9039	0	0.0727	0.0234	2	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3		1.886	0.0005	0.0852	0.0284	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1		1.8187	0.0015	0.1669	0.0129	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2		1.8467	0.0016	0.1361	0.0156	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3		1.7448	0	0.2388	0.0163	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4		1.7779	0.0001	0.2129	0.0091	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5		1.7779	0.0027	0.2069	0.0124	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1		1.821	0.0003	0.1534	0.0253	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2		1.8382	0	0.1404	0.0213	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3		1.8288	0	0.1498	0.0214	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4		1.8339	0	0.1523	0.0138	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5		1.805	0.0006	0.176	0.0184	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1		1.8096	0.0012	0.1815	0.0076	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2		1.8198	0	0.1742	0.0059	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3		1.8202	0.0005	0.1685	0.0109	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4		1.8002	0.0003	0.1869	0.0126	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5		1.7928	0	0.1769	0.0303	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1		1.8327	0.0003	0.1562	0.0108	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2		1.816	0.0006	0.1734	0.01	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3		1.8236	0.0001	0.1607	0.0156	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4		1.8453	0	0.141	0.0137	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5		1.843	0	0.1315	0.0255	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3		1.8227	0	0.159	0.0183	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4		1.7968	0	0.1873	0.0159	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1		1.8207	0.0003	0.1502	0.0288	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2		1.7506	0	0.2227	0.0267	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3		1.8401	0.0008	0.1418	0.0173	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4		1.8457	0.0003	0.122	0.0319	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5		1.8524	0.0024	0.1296	0.0156	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1		1.8285	0	0.1415	0.03	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2		1.7739	0.0007	0.1952	0.0303	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3		1.8267	0.0001	0.1447	0.0285	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1		1.7905	0.0003	0.1991	0.0101	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2		1.7866	0	0.2046	0.0088	2	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3		1.8132	0	0.1792	0.0076	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1		1.8688	0.0002	0.1309	0.0001	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2		1.8326	0	0.1674	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3		1.8763	0	0.1237	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1		1.819	0.0002	0.1763	0.0045	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2		1.8513	0.0003	0.1484	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3		1.8298	0.0016	0.1686	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4		1.8715	0.0005	0.1272	0.0009	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5		1.8739	0.001	0.1243	0.0008	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1		1.8383	0.0005	0.1597	0.0015	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2		1.8572	0	0.1424	0.0004	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3		1.8436	0.0022	0.1514	0.0029	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4		1.8148	0	0.1832	0.0019	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5		1.8704	0.0002	0.128	0.0013	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1		1.8319	0	0.1681	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2		1.8439	0.002	0.1534	0.0006	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3		1.814	0	0.186	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4		1.8342	0.0005	0.1653	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5		1.8463	0.0011	0.1525	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1		1.8222	0.0002	0.1763	0.0013	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2		1.797	0.0011	0.201	0.0009	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3		1.8234	0.0023	0.1721	0.0022	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4		1.831	0	0.1668	0.0022	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5		1.8194	0	0.1779	0.0026	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1		1.8368	0.0015	0.1614	0.0003	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2		1.8742	0.0009	0.1249	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3		1.8851	0	0.1149	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4		1.812	0.0003	0.1852	0.0024	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1		1.8508	0	0.1492	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2		1.8767	0.001	0.1223	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3		1.8085	0.0002	0.1899	0.0014	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4		1.7894	0.0003	0.2075	0.0028	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1		1.8496	0.0007	0.1492	0.0005	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2		1.8144	0	0.1853	0.0003	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3		1.8392	0	0.1606	0.0002	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4		1.8188	0.0006	0.1807	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5		1.897	0	0.103	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1		1.8325	0.0015	0.166	0	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2		1.8622	0.001	0.1342	0.0026	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3		1.8213	0.0005	0.1767	0.0015	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4		1.8746	0.0008	0.1218	0.0028	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5		1.7983	0.0015	0.1996	0.0006	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1		1.8497	0.0015	0.1472	0.0016	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2		1.8226	0.0001	0.1748	0.0026	2	
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3		1.8849	0	0.1122	0.0028	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	OH-	Cl-	F-	O2-	Total	Group
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4		1.8555		0	0.1428	0.0018	2
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5		1.8272	0.0022	0.167	0.0037	2	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Bityite	Clintonite	Kinoshitali	Fluorokino	Margarite	Chernykhii	Ephesite	Preiswerki	Eastonite
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0	0	0	0.4878	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0	0	0	2.0179	0	10.3071	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0	0	0	2.1392	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0	0	0	1.9081	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0	0	0	2.4692	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	0	0	0.0794	0.2533	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	0	0	0.5239	0.3439	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0	0	0	2.0358	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	0	0	0	0	0.4285	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0	0	0	4.6213	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0	0	0	2.3879	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0	0	0	0.5714	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	0	0.5436	0.2849	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0	0	0	0.0115	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0	0	0.4685	0.1676	0	0	0	0.5821
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0	0	0	0.1159	0	0	0	1.0876
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	0	0	0	1.1431	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0	0	0	1.0666	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0	0	0	1.3043	0.072	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Bityite	Clintonite	Kinoshitali	Fluorokino	Margarite	Chernykhit	Ephesite	Preiswerki	Eastonite
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	0	0	0	0.2044	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	0	0	0	0.5682	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	0	0	0	2.6945	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	0	0	0	0	8.2362	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	0	0.0683	0	0.8421	0	5.9879	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	0	0	0	0.3444	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	0	0	0.1953	2.0591	0.3169	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0	0	0	4.888	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0	0	0	3.2107	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	0	0	0	0	0.1401	1.8594	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	0	0	0	0	0.1864	5.5195	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	0	0	0	0.331	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	0	0	0	3.6546	0.4965	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	0	0	0	0	0.1841	9.886	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	0	0	0	8.0994	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	0	0	0	3.4228	0.6129	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0	0	0	3.76	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	0	0	0	1.7497	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	0	0	0	0.485	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	0	0	0	1.3759	0.1772	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	0	0	0	0.3904	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	0	0	0	0	1.5793	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	0	0	0.7965	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	0	0	0	0	0.2245	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	0	0	0	1.1801	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	0	0	0	6.0527	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	0	0	0	2.0621	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	0	0	0	5.8879	0.1218	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	0	0	0	3.3231	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0	0	0	1.4393	0.022	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	0	0	0	0.1134	5.2982	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	0	0	0	3.9524	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0.6619	0	0	0	2.2062	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	0	0	0	1.0593	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Bityite	Clintonite	Kinoshitali	Fluorokino	Margarite	Chernykhii	Ephesite	Preiswerki	Eastonite
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0	0	0.403	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0	0	0	0.9201	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0	0	0	4.8561	1.1703	15.9713	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0	0	0	0.0801	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0	0	0	2.0159	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0	0	0	1.0043	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0	0	0	0.1507	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0	0	0	0	0.0242	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	0	0	0	0.3906	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0	0	0	0	0.25	10.7633	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	0	0	2.3112	0.6839	14.0412	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	0	0	0.609	0	10.6156	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	0	0	0	1.358	0.2396	9.4049	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0	0	0	2.9605	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0	0	0	2.1861	0.2639	10.0512	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	0	0	0	1.1153	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0	0	0	0	1.0266	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Bityite	Clintonite	Kinoshitali	Fluorokino	Margarite	Chernykhit	Ephesite	Preiswerki	Eastonite
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	0	0	0	0	0.55	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0	0	0	4.6153	0.4208	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0	0	0	0.996	0	9.1313	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0	0	0	5.1137	0.2544	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0	0	0	2.9217	0.357	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	0	0	0	3.3294	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0	0	0	2.7567	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	0	0	0	0	0.1611	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	0	0	0.7751	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0	0	0	1.1179	0.3285	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	0	0	1.205	0	5.6962	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	0	0	0	4.0795	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	0	0	0.7042	0.018	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	0	0	0	1.954	0.1211	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0	0	0.3327	4.1068	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	0	0	0	2.3812	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0	0	0	0.3389	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	0	0	0	0.8689	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	0	0	0	3.4971	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0	0	0	0	0.1806	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0	0	0	2.9699	0.349	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0	0	0	0.486	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	0	0	0	0.6663	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0	0	0	3.3358	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0	0	0	5.0466	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	5.1355	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	1.0018	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	4.9518	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	4.461	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	4.5298	2.0788	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	4.6655	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	1.9167	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	2.1542	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	3.4048	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	3.3183	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	6.7135	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	1.8416	2.5828	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	4.9082	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	5.0143	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0	5.0296	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	4.5169	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	4.2988	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	3.8828	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	4.8585	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	4.6794	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	1.0824	1.52	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	6.0262	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	5.2977	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0	1.491	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	2.3609	3.6156	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	6.4712	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	4.2861	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	5.8259	1.1366	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	4.1009	1.7992	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	0.9246	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	3.9399	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	4.5292	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	5.3595	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	3.5266	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	3.2945	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	2.9977	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	2.642	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	0.4089	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	5.6045	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	3.5703	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	4.6272	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	6.0432	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	6.4461	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	2.5935	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	2.409	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	2.1626	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	6.1706	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	1.6695	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	4.0142	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	1.6675	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	4.0118	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	4.8252	0.1455	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	1.8469	5.031	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	1.9474	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	6.6263	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	2.7592	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	1.5181	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	1.0004	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	3.5293	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	1.4884	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	1.7065	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	0.5047	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0.6138	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0.563	0.8325	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	1.9455	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	2.4704	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	2.7946	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	1.5169	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	1.4547	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	5.1697	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	1.4367	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	2.816	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0.7482	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	0	0	0	0	0.5413	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	1.0148	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	2.3867	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	2.1787	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	1.5582	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	1.7656	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0.5023	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	2.3693	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	1.5635	2.4478	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	1.1297	0.3026	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	3.979	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	3.0208	2.0634	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	4.3023	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	5.9977	4.4418	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	2.6624	5.1645	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	8.2606	5.3933	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	20.9213	2.5407	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	1.4689	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	2.1163	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	1.63	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	1.1907	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	5.4938	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	4.0966	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	5.817	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	2.5933	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	9.195	10.342	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	10.0371	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	6.7404	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	9.2636	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	7.7421	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	8.517	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	8.2665	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	4.1858	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	10.3616	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	4.9623	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	6.9241	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	14.9232	4.9423	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	1.8685	13.636	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	7.3529	8.7582	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	8.1227	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	9.794	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	1.2152	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	1.5578	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	0.3409	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	2.1568	11.065	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	2.7834	1.9928	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	2.1656	1.8585	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	0.7324	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	2.0669	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	2.0919	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	0.9685	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	0.869	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	2.1338	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	1.163	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	1.6536	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	1.631	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0.9066	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	0.328	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	0.7502	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	1.0409	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	1.2495	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	1.2108	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	1.1678	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0.6467	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	1.5419	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	0.8406	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0.0988	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	2.7334	1.1775	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0.1454	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	3.7131	1.3978	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	1.2536	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	0.707	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	1.4179	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	2.0975	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	1.1283	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	1.0982	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	1.0652	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	1.7155	1.3508	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	1.1323	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0.4915	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0.9293	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	0.8406	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	1.082	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	2.4233	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	1.3578	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	1.6838	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	1.9191	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	1.5434	1.2579	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	1.3694	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	1.6434	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0.9898	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	1.0196	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	3.4633	0.2087	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	7.1075	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	17.2892	5.0714	0	0	9.5464	0	1.2949	28.1704	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	3.726	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	1.6495	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	3.6168	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	4.5602	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	2.3942	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	4.82	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	3.5855	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	3.6952	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	2.6241	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	2.233	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	3.5601	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	1.9046	0.4182	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	1.8803	0.2744	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	4.7612	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	4.2226	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	3.5711	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	5.0644	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	1.7365	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	2.6178	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	2.6442	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	2.6538	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0.2564	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	1.4318	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	1.6612	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	2.7582	3.8045	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	2.886	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	2.2465	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	2.3669	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	4.7545	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	5.8283	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	5.7423	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	1.1684	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	4.5922	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	2.1286	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	1.0606	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	2.1616	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	2.1634	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	2.2036	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	2.3468	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	2.1953	0.6833	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0.6286	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	1.2719	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	1.0655	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0.4549	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	3.9308	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	3.2277	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	6.7666	2.9659	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	1.0111	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	3.224	0.552	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	4.2586	4.8055	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	4.0293	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	1.3247	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	3.9061	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0.5273	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	3.5462	2.2942	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	2.2258	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	2.3943	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	1.4643	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	1.5644	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0.8199	3.3907	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	2.231	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	4.3963	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	2.4072	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	3.1249	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	2.4483	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	2.5116	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	1.4888	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	3.8212	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	3.7121	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	3.6841	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	5.1783	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	2.1694	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	6.0654	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	4.9746	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	2.1868	4.6342	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	2.5174	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	4.1047	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	1.3029	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	2.2392	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	2.5516	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	1.8565	1.7056	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	6.07	5.4951	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	4.311	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	2.8749	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	0.7004	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0	2.391	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	0.5912	0.2217	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	0.4656	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0	0	0	4.0362	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	0	0	0	1.214	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0.1732	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	1.6093	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	1.357	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	2.8156	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	1.7764	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	0.6829	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0.0425	0.5965	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	2.966	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	2.2487	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	1.9814	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	4.0202	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	1.9487	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0.5611	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	1.0157	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	2.2258	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	2.2451	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	2.2176	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	0.9264	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	2.8712	2.338	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	2.4555	2.2745	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	1.858	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0.1325	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0.6422	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	1.9654	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	2.2176	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0.4443	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	3.9351	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	14.5677	2.5079	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	0.2397	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0.3598	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	4.6413	1.4628	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0.5087	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0.0914	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	5.4745	0.2367	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0.2402	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	0.8524	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0.8776	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0.9636	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0.6739	0.1731	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0.7201	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0.1352	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	0.8853	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	0.2011	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	1.3216	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0.5893	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	0.8537	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0.0564	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	0.5512	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0.7585	1.8804	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	1.2582	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0.5785	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0.7049	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0.0319	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	1.7976	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	2.3624	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	1.8296	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	2.6025	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	1.1257	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Siderophyl	Wonesite	Boromusc	Aspidolite	Phlogopite	Fluorophlc	Suhailite	Annite	Hendricksi
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	2.0781	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	2.5893	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	2.0613	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	1.7082	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	0.7834	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	1.3566	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	1.9988	0.5573	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	3.7152	0.1472	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	0.9261	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0	0.9247	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0.8927	1.1021	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	0.8182	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	3.0213	0.7217	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	0.1158	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	2.8061	0.1857	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0.9498	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	0	3.2267	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0.3019	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0.1814	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0.4576	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	1.1998	0.331	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	4.0293	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	0.3135	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	0.2697	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	1.2804	0.7153	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0.2034	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0.913	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	1.8161	0.6462	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0.3314	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	0.1628	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0.881	0	0	81.0478	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	0	2.5118	77.2249	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	0	0	83.3933	0	0.4917	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	0	0	85.3369	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	1.5076	0	79.6977	1.5352	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0.491	0	4.8658	78.2601	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	0.3182	2.2496	72.7636	0.3182	0	0	0.1741	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0	4.0762	82.4191	0	0.1769	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	0.2255	1.9783	80.2833	0.2255	0	0	0.1849	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	0	1.25	83.7391	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	0	17.5866	46.6846	1.8411	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	0	0	66.7997	5.7492	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0	0.5236	76.8865	0	0	0	0.1736	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0	3.0122	77.4873	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	0	0	81.7611	0	0.0248	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	0	0	55.2248	11.8191	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0.1073	0	0	69.4432	2.8861	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	0	0	78.5606	3.9518	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	2.2595	0	75.4561	2.2595	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	2.3174	0	79.6708	2.3174	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	0	0	78.3078	6.1386	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	4.2955	0	80.1271	4.2955	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0.0286	1.6112	77.9907	0.0286	0	0	0.1558	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	0	0	81.7697	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	0	0	79.0526	6.8714	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0	0	2.1339	78.5197	0	0	0	0.1023	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0.5835	0.3012	0	65.1246	0.3012	0	0	0.0939	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0.4923	0	0	80.9415	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	0	0	84.8197	0	0.3339	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	1.3392	0	76.2694	1.438	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	0.8169	1.5241	79.7627	0.8988	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	3.3608	0	75.5227	3.3608	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	0	0	76.1981	5.4659	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0	3.2188	81.3193	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	0	1.2979	81.4541	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	5.9568	0	65.9848	5.9568	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0.7709	0	6.8843	73.966	0	0.7002	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	0	6.0838	77.6227	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	0	6.172	75.9785	0	0.2749	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0.2239	0	0	94.5547	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0.1446	0	6.9011	85.9337	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0	0	82.7231	0	1.4017	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0.4758	0	4.5482	77.9347	0	0.5746	0	0.0984	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	0	0	81.9383	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0.4392	0	0	73.7519	0	0.719	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	1.3743	0	0	71.5941	0	0.1997	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	1.1599	0	0	64.0304	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0.6928	0	9.066	76.5462	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	4.1327	0	77.2529	4.141	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	0	9.7035	78.4382	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	0	0	73.7964	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	0	12.0812	79.9753	0	0	0	0	0.7764
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	0	5.6812	77.387	0	0	0	0	0.532
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	0	12.9849	71.195	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	2.7124	0	77.5745	2.7124	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	0.4777	0	74.4635	0.5316	0.1295	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	1.5518	0	0	61.3311	0.6803	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	1.3975	0	13.4104	79.2863	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	0	0	71.0811	0	0.3365	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	3.1439	0	78.5479	3.1439	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	0	11.4076	76.5815	0	0	0	0	1.2333
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	3.5189	0	11.6346	71.2793	0	2.1843	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	3.0986	0	15.366	74.1003	0	0.3549	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	6.253	0.9749	0	72.0605	0.9749	1.417	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	13.7817	0	4.4465	57.569	2.3646	2.1933	0	0	5.2303
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	0.8188	8.7915	73.8833	0.8188	0.9388	0	0	0.3943
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0	12.263	78.8445	0	0	0	0	3.3668
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	2.6578	0	13.8227	75.1039	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	4.8884	0	12.0346	71.4555	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0.2772	9.4961	75.1265	0.2772	1.6146	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0.5123	8.9627	74.478	0.5123	1.3462	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	0.4241	8.2566	76.9518	0.4241	0.9051	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	3.7282	0	77.1375	3.7282	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	2.6248	0	78.5122	2.6248	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0	11.1086	78.3208	0	0	0	0	1.0298
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	0	11.6488	77.3278	0	0	0	0	2.2388
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	25.6954	0	7.8702	24.3567	0	7.7907	0	0	5.1788
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	21.7326	0.9666	0	19.4114	0.6832	0	0	0	8.8919
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	35.0636	0	0	34.5884	0	0	0	0	0.9283
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	3.8676	0	15.6544	71.9571	0	0.6056	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	4.327	0	11.4036	72.4592	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	3.7446	0	10.3453	71.8369	0	2.3618	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0	9.0873	77.2407	0	0	0	0	5.5823
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	3.3003	0	10.7787	69.4219	0	2.598	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	25.7667	0	4.3254	29.2178	4.7235	4.6521	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	35.9407	0	4.247	21.8815	0	2.3308	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	29.4934	0.288	0	36.3012	0	1.2038	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	2.313	0	74.9716	2.4936	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0	4.0309	79.3042	0	0	0	0	8.0199
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	0	0	74.191	0	3.2462	0	0	3.5237
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	4.3397	0	13.0534	73.9063	0	0.6217	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	0.2776	7.0488	77.2683	0.2776	1.632	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	4.4228	0	12.2982	75.8987	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	4.6404	0	8.2693	79.3704	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	4.2321	0	9.4768	59.5672	1.558	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	0.7705	9.3084	73.7268	0.7705	1.3809	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	8.8757	3.4028	0	48.3624	3.4028	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	8.0534	0	10.1327	57.8006	2.239	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	8.7155	2.5403	0	50.9268	2.5403	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	7.433	2.6143	0	37.7911	2.6143	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	17.2605	1.3117	0	11.3221	0	0.3278	0	0	7.3795
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	21.0872	0	0	4.8462	0	0	0	0	4.9206
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	0	12.4818	76.3289	0	0	0	0	2.7967
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	4.4354	1.1839	9.0552	73.0231	1.1839	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	3.1671	0	12.0282	69.895	0	1.9132	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	0.241	8.1956	73.7322	0.241	1.1952	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	0	11.4576	75.1262	0	0	0	0	1.0149
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	1.8847	0	0	78.454	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	1.512	0	0	84.6851	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	0	0	75.7854	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	1.2585	0	8.2559	76.6341	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	7.1412	0	45.446	7.1412	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	0	0	55.7131	9.3671	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	6.4075	0	49.8068	6.4075	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	0	0	70.9398	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	0	0	57.3112	11.2013	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	0	0	59.5088	5.7103	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	0	0	60.7115	8.3362	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	0	0	60.1532	7.1586	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	0	0	59.7246	5.7124	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	1.1374	0	53.2327	1.1374	0	0	0.0666	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	2.6312	0	67.3356	2.6312	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	5.5021	0	46.1838	5.5021	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	0	4.6067	69.9819	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	2.7052	0	68.5135	2.7052	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	4.3874	0	59.3773	4.3874	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	2.083	3.6445	0	54.481	3.6445	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	5.7128	0	54.8942	5.7128	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	1.503	0	0	73.2345	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	0	0	55.9931	9.4118	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	0	0	58.9424	7.7344	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	4.1542	0	14.8631	73.468	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	4.0749	0	8.7901	80.1166	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	3.3119	0	11.1148	77.8805	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	1.1881	0.989	0	82.3686	0.989	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0.7901	0	2.595	82.5322	0.2189	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	9.9301	0	53.3981	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	5.0303	0	73.6686	5.0303	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	3.3824	0.9693	9.5927	59.6164	0	0.065	0	0.0503	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0.4992	0	10.322	80.1605	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	1.4467	3.4188	0	66.6406	3.4188	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	3.9891	0	13.1516	69.8435	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	4.8502	0	78.3325	4.8502	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	0	11.9499	75.884	0	2.6394	0	0	0.5547
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	2.6488	0	13.8953	73.0606	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	0	11.7649	74.241	0	3.4893	0	0	0.1696

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	4.6139	0	76.7743	4.6139	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	0.3958	8.3235	74.5545	0.3958	0.803	0	0	0.8778
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	0	10.6877	74.9181	0	1.0133	0	0	1.5163
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	0	5.2122	75.9276	0	0	0	0	2.9655
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0	10.3051	75.377	0	0.7794	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	4.2134	0	10.2363	77.7508	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	2.0398	0	83.0351	2.0398	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	1.9146	0	86.1263	1.9146	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	1.8209	0	11.5407	73.8591	2.8002	0.5924	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	0.5429	10.4204	75.2425	0.5429	0.3731	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	2.0943	0	12.1912	77.1027	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	0	12.4861	75.0657	0	2.668	0	0	1.2144
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	1.4672	0	9.5052	77.6899	0	0.7679	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0	7.4972	80.8554	0	0	0	0	0.7347
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	3.6256	0	0	83.8734	0	1.0614	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	4.7005	0.5469	4.8934	64.414	0.6886	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0.6107	0	6.9628	84.5741	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	6.4673	0.9838	12.9351	62.1549	0	0.0147	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	4.1037	0.7228	12.2541	73.588	0.7228	0.4067	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	4.2805	0.9117	13.3207	67.0595	0.9117	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	5.7528	0.8274	12.5054	59.8604	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	4.7357	0	13.5733	73.7556	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	1.7944	0	10.0404	75.1078	0	0.745	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0.8583	0	13.3949	75.2605	0	0.3429	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0.2686	0	4.3871	77.2706	0.5418	1.4173	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	0	0	78.3452	0	0.0427	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	3.1056	0	12.3157	71.4692	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	0	11.6503	73.0707	0	4.6891	0	0	1.0882
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	3.1104	0	10.9083	74.7837	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	3.7421	0	75.8024	3.7421	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0	11.234	75.6099	0	0.7745	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	2.2934	0	12.8464	73.218	0	1.4804	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0	11.4968	75.0022	0	0.0491	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	4.2398	0	13.028	69.9367	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0	12.0545	74.8345	0	0	0	0	1.2503
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	3.3402	0	73.577	3.3402	0	0	0	0.5322
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0	9.3838	72.8733	0	1.0558	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0.2461	0	3.8849	74.3297	0	2.1342	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	0	6.9425	71.63	0	1.9694	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	4.9491	0.5749	5.2708	51.2139	0.6538	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	3.4209	0	9.6021	77.5367	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	2.5559	0	0	85.4273	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	1.7011	0	82.3256	1.8907	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0.8298	8.2013	77.334	0.8298	0.1677	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0	10.6455	74.955	0	0.8567	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	0	13.4779	72.1847	0	2.0519	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	0.5958	0	71.0258	0.6809	0	0	0.0205	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	1.1745	0	0	71.0743	0	0.3736	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0	0	0	0	0	0	1.0076	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0.8735	0	64.4981	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0	0	66.9274	0	0	0	0.4738	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0	0	86.2885	0	0.6697	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0	0	82.6536	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0	9.1034	78.6389	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0	0	85.2468	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0	4.5957	79.3961	0	0.3538	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	5.5458	0	78.537	5.5458	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0	8.497	79.3403	0	0.1511	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0	9.4291	78.7016	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0.4428	0	6.6226	70.8241	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	0.8449	0	63.7012	0.8449	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	0.8218	0	64.457	0.8218	0.1908	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	2.0368	0	79.1591	2.0368	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0	0	81.4095	1.4708	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0	0	84.6327	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0.7234	0	0	80.6955	0	0.3223	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0	9.0845	78.3329	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	5.746	82.4044	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	11.5471	75.0109	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	9.348	75.5759	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0.0813	0	7.0782	86.5417	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0	13.2155	78.2789	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0	8.1893	80.5105	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0.1356	0	0	63.6812	7.0814	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0	0	83.6026	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	1.118	8.7783	75.4524	1.118	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0	12.8667	78.9394	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	0.5022	0	75.3466	0.5022	0	0	0.0356	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0	0	78.4323	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0	5.9152	77.5392	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0	8.7818	79.0154	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	0	78.8348	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0	0	87.6671	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0	6.5659	84.7123	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0	9.3965	78.8665	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0	10.3189	79.2168	0	0	0	0	0.6239
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	6.2976	76.7709	0	0	0	0.1999	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0	10.9654	74.4763	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0	6.6881	81.7493	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0.0623	1.9352	70.3732	0.0623	0.4714	0	0.1278	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0	3.2783	73.1776	0	0	0	0.4016	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	1.4497	0	8.4127	88.2341	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	2.6143	0	84.2696	2.6143	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	0	93.0858	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0	7.8351	85.5955	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	2.955	0	75.9746	2.955	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0.6992	6.414	74.2133	0.6992	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0.9528	5.9457	39.2724	0.9528	0	0	0.0442	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	0.6092	9.2741	76.7717	0.6092	0	0	0.0262	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	2.462	0	11.5757	76.4292	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	3.4825	0	77.0269	3.4825	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	1.502	0	0	76.8089	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	1.648	0	0	42.847	0	0.1462	0	0.2047	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	2.2383	0	75.8555	2.2383	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	1.3884	0	13.9146	54.1523	0	0	0	0.0277	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	1.2577	0	0	83.1047	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0.7427	0	10.4147	66.9843	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0.8843	0	5.3348	64.7529	0.7129	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	0	4.9158	65.1703	1.6315	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	0.8716	7.1547	74.1186	0.8716	0.0336	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	1.6297	0	8.5033	62.4985	0	0	0	0.3008	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	0	0.8861	67.4058	1.5262	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0.5595	0	0	39.2299	7.3653	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	2.2804	0	6.274	49.061	0.1734	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0	0	81.5705	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0	10.9651	77.2908	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	2.8697	0	78.1068	2.8697	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0.693	0	7.3483	76.2404	0.8943	0.9568	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	0.0878	5.495	76.8987	0.0878	1.0947	0	0.0789	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	1.0724	0	10.1561	77.4915	0	1.1411	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	0	3.5863	76.3206	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	0	9.2043	76.0171	0	0	0	0	0.6132
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	1.7626	0	0	66.5215	4.7322	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	0	1.9721	73.4429	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	0	9.9466	78.9148	0.3211	0	0	0.2937	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	4.2952	0	25.016	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	6.2254	0	70.0909	6.2254	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0.5291	0	0	57.5576	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	0	12.5465	71.3763	0	0	0	0	0.3134
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	0	18.0921	60.6404	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	6.0133	10.3854	67.9552	6.0571	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	3.3919	0	62.7346	3.3919	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0.7377	0	0	82.4416	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0	8.5096	79.1182	0	0	0	0.2009	0.4632
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0.7064	0	4.3826	74.8178	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	2.1925	0	0	38.6192	11.6844	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	1.9101	0.895	0	52.9078	0.895	0	0	0.0836	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	0	74.9885	8.3569	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	7.4249	55.172	1.3584	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	7.4615	13.913	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	0	0	22.7331	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0	6.157	0	16.1375	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	3.4331	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	5.2682	0	23.0718	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0	0	32.2606	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	21.2998	3.1909	0	13.715	0	1.3763	0	0	9.9814
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	21.8797	2.0087	0	26.176	0	2.6168	0	0	8.0564

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	51.2942	2.3191	0	0.8999	0	3.4473	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	24.4628	0	0	25.1533	2.6333	0	0	0	4.7911
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	20.9736	0	4.9739	20.5549	1.5127	0	0	0	5.08
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	0	0	25.6258	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	18.6489	0	0	14.5509	0	2.4608	0	0	9.7799
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	21.9357	0	0	15.3083	0	3.255	0	0	7.7094
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	35.0927	2.9208	0	20.6294	0	0.8361	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	15.5363	4.2349	0	12.6718	4.4342	1.0511	0	0	4.9802
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	29.6315	0.6577	0	25.065	1.0662	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	21.6384	2.3533	0	22.7813	0	1.7261	0	0	7.2746
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	28.072	0	0	20.4978	0	0.5735	0	0.1904	7.5978
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	21.1651	0.9256	0	49.4236	0	2.9007	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	26.1194	0	0	23.0699	0	1.6389	0	0	6.3908
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	21.2632	0	0	0	0	2.4967	0	0	10.8429
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	21.1207	1.392	0	49.3384	0	1.3424	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	27.7107	0	0	14.8628	0	1.9117	0	0	4.4794
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	29.4478	0	0	13.8404	0	1.7222	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	29.137	2.1014	0	16.276	0	1.8352	0	0	6.5545
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	36.4559	0	0	10.8733	0	1.9621	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	21.7746	2.0468	0	20.3928	0	1.8466	0	0	9.1416
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	42.1172	0	0	13.9908	0	1.1372	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	44.0359	0	0	11.7268	0	2.6083	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	21.2486	2.2044	0	5.455	0	1.7255	0	0	8.9998
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	18.9303	0	0	33.5621	4.1565	2.001	0	0	5.2129
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	20.9265	1.9257	0	16.4738	0	2.1903	0	0.4968	4.4903
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	24.4832	1.837	0	10.938	2.5026	4.2878	0	0	4.8572
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	26.236	1.3064	0	15.8076	0	3.4476	0	0	6.7157
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	29.1567	0	0	18.9196	0	3.3095	0	0	7.002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	20.3395	0	0	14.3319	0	1.0893	0	0	3.9176
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	14.9304	0	0	0	0	1.8357	0	0	12.046
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	19.8798	0	0	4.0103	0	2.1463	0	0	10.1047
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	48.6661	0	0	15.8628	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	13.2222	0	0	0	0	1.7838	0	0	5.4241
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	24.9712	0	0	12.4433	0	2.3734	0	0	7.3063
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	19.967	0	0	26.4845	3.1346	2.515	0	0	8.2275
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	3.1386	0	77.9777	3.1499	0	0	0	2.7254
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	5.0722	0	4.9254	67.7787	1.0585	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	5.7813	0	6.207	78.9064	0	0.1718	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	11.1362	1.0205	0	64.8547	1.0582	1.4826	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	13.1771	0	4.0366	66.4974	1.0807	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	22.7956	0	0	13.3643	0	0	0	0	9.1397
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	45.3015	0	0	8.0604	0	1.5565	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	2.9835	0	77.9147	3.1908	0	0	0	1.6449
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	6.3907	0	4.4686	60.139	1.5541	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	1.7893	0	78.2657	1.9346	0.3084	0	0	0.9019
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	2.5955	0	78.1846	2.6915	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	2.1376	0	75.8715	2.1376	0.3831	0	0	2.1877
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	6.2739	0	0	63.4873	1.9308	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	0	5.7194	79.1481	0	0	0	0	1.075

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	0	0	79.2464	0	0.3832	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	0	0	22.1574	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	1.8862	0	23.2277	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	2.076	0	74.5059	2.2186	0.0864	0	0	0.9173
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	0.1792	0	25.6469	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0.4717	0	17.6944	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	1.3612	1.0984	0	44.3234	1.353	4.0383	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0.678	3.4766	0	31.499	3.7652	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	7.1927	2.7242	0	62.5382	2.8317	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	0	0	17.4056	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	2.0893	0	16.977	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	4.9557	1.7554	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.9167	2.624	5.9088	72.7427	2.624	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	7.3544	2.8849	0	61.4033	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	7.8018	3.3447	0	42.6213	3.5782	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	2.1534	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0	0	0	21.7259	0	0	0	0.6229	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	2.7231	0	22.2307	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	5.7642	0	0	39.5997	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	9.3435	0.3496	0	20.8412	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	0	9.0628	77.2111	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	5.212	0	5.9326	64.9521	1.6915	0.108	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	5.9734	0	13.3406	76.362	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0.182	0	6.8589	78.8531	0.0596	2.6806	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0.1799	0.3025	6.7204	82.7043	0.3476	2.1459	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0.4485	8.5528	83.105	0.4598	0.9679	0	0	2.8868
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0	8.5805	80.0798	0	1.2173	0	0	3.6689
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	2.0666	0.6978	7.5347	80.4527	0.7517	1.3482	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	3.9282	0	80.6585	3.9616	0	0	0	1.906
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	0	8.1801	78.4793	0	1.6646	0	0	0.9248
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0.4221	0	7.2361	80.6653	0	2.1106	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	6.0869	0	12.6082	78.4106	0	0	0	0	2.8942
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0	5.2744	84.7274	0	0	0	0	3.8054
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	0.6011	9.5502	81.63	0.6459	1.2544	0	0	2.4458
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	0	5.4758	81.933	0	1.1922	0	0	2.213
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	0.3988	7.6807	79.9987	0.3988	1.2154	0	0	1.9827
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	7.4432	0	12.8923	75.0893	0	1.2787	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	11.3607	0.3286	7.7188	67.2595	0.3743	0	0	0.2945	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	0	7.4416	79.8597	0	2.4427	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	3.1598	0	78.0051	3.1598	0	0	0	1.4592
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	20.7601	2.8134	0	50.148	2.8277	1.6956	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	5.4286	0	9.7134	77.3465	0	0	0	0	0.9808
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	2.0423	0	80.906	2.0423	1.055	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	0	4.6701	81.386	0	0.524	0	0	0.9997
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	0	6.993	78.1543	0	2.6044	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	3.4293	0	9.645	77.0779	0	2.1466	0	0	0.759
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	5.1485	1.9758	8.6317	73.7673	2.0559	0	0	0	1.1047
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	0.3902	7.9415	79.4069	0.3902	2.3086	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	0	7.6479	80.7646	0	2.7395	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0.4167	0	8.6269	79.2781	0	2.6443	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	0.6864	7.4468	81.4435	0.7032	0.5091	0	0	1.9744
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	2.9623	6.4054	75.6891	3.0482	0.5068	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	0	5.8896	77.5556	0	0	0	0	2.0048
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	2.6598	0	78.6065	2.7558	0	0	0	2.2034
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	2.2798	3.4628	7.3403	73.4191	3.4628	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	0.102	7.7113	79.4511	0.102	2.173	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	0	8.3409	80.2392	0	0.1712	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	0.2412	8.2353	76.8	0.2412	1.4826	0	0	1.3019
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	0.0914	7.7726	82.2655	0.0914	1.1285	0	0	3.2679
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	0	12.2741	74.3505	0	0	0	0	3.9213
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0.2603	0	9.4138	72.21	0	2.3178	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	0	10.3379	71.6962	0	4.7651	0	0	1.2938
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	0.3376	9.4655	72.9641	0.3376	0.9298	0	0	1.2714
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	2.4509	0	11.5683	70.024	0	1.7989	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	5.3057	0	72.2645	5.3057	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	2.261	0	10.8001	70.6313	0	1.5269	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	0.4171	8.6665	71.6646	0.4595	1.6286	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	4.3407	0	11.0074	73.0735	0	1.4391	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	4.157	2.1088	0	73.3262	2.1088	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	2.8787	0	77.1118	2.8787	0	0	0	1.2668
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0.1903	0	7.1566	68.7157	0	2.7768	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	1.4219	3.6932	0	76.7614	3.6932	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	6.4974	1.9407	0	65.2821	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	0	9.6291	73.2332	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	8.3263	0	9.7398	55.4347	0	0.2461	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	5.8458	0	77.1008	5.882	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	0.5859	6.9302	81.0645	0.5859	1.0437	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	0.4306	9.2702	75.6598	0.4306	1.386	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	3.816	0	0	68.0124	5.753	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	3.5293	0	78.4278	3.5349	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	1.3121	10.4473	75.9206	1.4243	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	2.9336	4.7399	0	44.5093	4.7399	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0.1017	0	6.1964	71.3727	0	2.8529	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	1.6227	0	12.6955	74.3506	0	0.7495	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	2.9492	0	0	82.6368	0	0.9329	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	4.3662	0	7.7441	74.2187	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	1.666	0	11.5734	69.937	0	1.998	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	0.6985	0	77.7286	0.6985	1.6033	0	0	1.4888
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	1.0899	0	79.649	1.0899	0.9543	0	0	0.7947
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	0	0	74.1176	0	2.3248	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	0	0	76.8341	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	6.2861	0	0	71.69	7.1223	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	0	0	74.0603	0	2.9224	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	6.3241	0	8.75	57.1414	1.4848	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	10.0241	0	0	61.0557	2.4555	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	11.4551	0	5.7597	68.8251	1.7645	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	6.7454	0	0	70.562	1.9201	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	0	9.9148	73.1786	0	0	0	0	5.2855

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	5.8672	0.8545	8.6802	71.0822	0.8545	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	0	8.1998	70.1258	0	2.58	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	3.5373	0	0	73.0117	8.7322	2.2678	0	0	0.7559
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	0	5.0135	67.8807	0	3.6355	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	0	3.7227	75.1055	0	3.3393	0	0	2.2324
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	2.7832	3.3163	0	72.607	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	10.0389	0.3484	5.5535	52.8445	0.3484	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	0	7.8603	67.6542	0	5.9217	0	0	3.6064
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	0	5.9595	78.6495	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	9.5341	0.167	2.4256	63.1326	0.167	2.5782	0	0	2.3417
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	8.5025	0	0	75.5886	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	0.5861	0	73.4238	0.5861	0.8789	0	0	6.8511
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	0	7.056	75.4674	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	11.8784	0	5.9513	67.9463	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	0	8.6871	75.6868	0	0	0	0	2.9007
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	0	6.723	79.0764	0	0	0	0	5.0632
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	0	8.9892	75.9263	0	0.9421	0	0	5.8418
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	11.8836	0.5758	10.9837	55.3362	0.5871	0	0	0.068	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	0	11.7161	73.04	0	3.7319	0	0	4.0791
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	10.9336	0	0	30.7536	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	4.0117	0	12.2387	70.9817	0	1.7018	0	0	4.1792
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	1	0	0	6.1382	76.1416	0	0	0	0	1.3795
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	2	0	0	6.2057	76.8436	0	5.5184	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	2.422	0	6.0234	74.3788	0	2.0279	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	0	7.3208	78.5497	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	10.8907	0.0273	7.7673	67.9973	0.0273	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	1.0667	0	7.1073	72.2025	0	3.5754	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	9.071	0	4.1354	55.1058	0	0.0856	0	0.0476	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	0	10.2841	80.2733	0	2.3326	0	0	3.9597
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	1.3727	0	7.8703	89.0568	0	1.113	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	3.7932	0	5.3381	74.3138	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	0	9.917	78.1131	0	4.1109	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	8.8994	1.4616	0	67.9447	0	0.2384	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	8.799	0	11.0349	71.4123	0	0	0	0.1708	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	0.0464	10.831	74.8603	0.0521	6.0333	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	0	9.7104	79.4218	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	14.6802	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	8.0448	0	4.2236	41.969	1.5191	0	0	0.0315	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	12.275	0.1855	10.7778	52.4782	0.2054	0.1767	0	0.1076	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	13.2601	0	10.8621	50.4287	0.6623	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	3.7963	0	10.9317	73.2393	0	1.2571	0	0	4.6058
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	13.2494	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	0	7.1898	74.6992	0	0	0	0	7.5937
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	0	7.22	78.126	0	0	0	0	2.3297
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	4.7627	0	10.0918	70.1569	0	3.3919	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	0	12.1144	71.0622	0	5.8524	0	0	1.4047
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0	12.414	76.2893	0	4.2864	0	0	4.6115
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	0	8.9594	75.4135	0	2.2677	0	0	5.0478

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	10.8434	0	8.8656	67.543	0	0.6818	0	0	0.0913
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0.3595	0	10.3382	71.6403	0	3.1455	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	9.3545	0	0	49.6577	6.1023	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	2.2648	0	77.5954	2.2648	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0.4767	0	7.9812	77.983	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	0	7.7841	73.2999	0	0	0	0	1.3363
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	0	5.6121	78.7575	0	1.8652	0	0	5.2789
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	0	6.8917	75.8011	0	0	0	0	0.7435
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	0	7.3847	71.3148	0	0	0	0	1.9059
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0.8461	0	7.6695	78.1591	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	8.7395	0	0	50.4839	7.3549	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	1.6055	0	8.0041	70.9224	0	4.0476	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	3.3529	0	9.3224	75.7525	0	3.0705	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	0	8.8073	74.0456	0	2.2246	0	0	2.3016
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	0	11.3386	70.9956	0	5.7873	0	0	2.6799
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	0	11.2925	72.279	0	6.0204	0	0	2.7233
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0.7027	0	9.835	70.2711	0	3.4544	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	0	9.8217	73.8864	0	4.0869	0	0	4.2705
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	6.9259	76.282	0	6.142	0	0	2.6325
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0	8.3656	73.5202	0	6.781	0	0	4.1837
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0.5249	0	9.2909	73.4337	0	2.8489	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0.3105	0	7.6746	86.4687	0	1.5248	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	0	5.8852	73.1204	0	1.628	0	0	3.4054
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	0	7.5876	71.851	0	0	0	0	1.2326
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	0	6.2841	77.6412	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	10.2226	0	0	56.6139	0.504	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0.6034	0	9.2246	69.9934	0	2.5804	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	2.4612	0	8.2872	72.3227	0	2.3182	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	0.2302	8.8332	77.3701	0.2302	0	0	0	1.1031
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0	3.3867	75.7562	0	0	0	0	8.4013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	4.049	0	0	77.0146	0	1.6566	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	10.7748	0	9.0009	58.5933	1.0764	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	6.4846	0	10.5446	68.8268	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0	0	55.0358	0	0	0	0	13.2307
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	11.9548	0	1.2535	38.395	0	10.1621	0	0	3.861
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	13.0124	0	1.5403	36.7656	1.269	9.4471	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	4.9192	0	14.4729	68.1718	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0.7613	0	6.6763	72.7031	0	3.1571	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	0	7.4724	74.7081	0	0	0	0	3.1977
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	7.8472	0.0812	8.6659	51.9349	0.0812	0	0	0.1019	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	10.8989	73.5172	0	6.4155	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0	8.3356	73.8204	0	1.3709	0	0	2.876
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0.7866	0	9.2517	70.5016	0	2.7972	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	0	9.3679	74.669	0	0	0	0	6.1255
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0.3727	0	5.3954	74.0254	0	2.5629	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0.3962	0	2.9451	70.8646	0	2.3794	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	3.3252	0	4.0283	72.8657	0	3.7062	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0.312	0	5.0039	72.3752	0	2.3584	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	0	7.169	74.9322	0	0.8643	0	0	6.3003

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	6.9317	77.1663	0	1.503	0	0	5.0767
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0	10.0154	74.8439	0	0	0	0	5.7544
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	8.8166	75.6937	0	0	0	0	5.4159
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	9.161	79.183	0	1.1347	0	0	4.0319
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	7.7376	79.2279	0	4.1366	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	8.9904	78.5408	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	2.5092	0	9.3898	76.3583	0	2.5957	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	3.0614	0	9.9979	69.677	0	3.7583	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	3.401	0	9.1272	70.2649	0	2.8408	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0.3314	6.9998	76.2079	0.3314	0	0	0	5.9045
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0	10.333	77.2576	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	9.1649	78.6005	0	0	0	0	4.5978
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0	10.1077	76.8398	0	3.0811	0	0	4.1192
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	1.2727	0	9.7755	77.8054	0	0.788	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0	10.9519	76.8112	0	1.0719	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	1.9662	0	82.283	1.9662	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0.9229	0	0	44.211	0	0	0	1.456	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0	6.6636	79.6718	0	0	0	0.1136	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0.3547	0	11.3357	76.5927	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0	8.5935	78.6192	0	0.4234	0	0.1623	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0	0	84.7252	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0	8.3057	80.6539	0	0	0	0	2.1314
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0	8.0528	79.0232	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	1.25	0	7.0535	77.5655	0.763	0.5792	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	1.2959	0	7.6002	71.7214	0	0.7559	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0	8.595	79.0662	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0.484	0	8.6344	78.2168	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0	9.6122	77.0928	0	0.6627	0	0.0274	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0	8.7369	77.0839	0	0.5711	0	0.0866	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0	9.5775	80.1148	0	1.0343	0	0	0.3129
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0	8.9347	78.8208	0	0.1159	0	0	1.3327
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0	7.1835	79.5203	0	0.0455	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0	7.1711	80.4114	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0.3219	0	9.246	80.0024	0.3805	0.4044	0	0.0827	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	1.293	0	0	55.9393	0.3671	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	2.7027	0	0	49.2585	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	3.0991	0.469	0	59.8748	0.469	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0.2733	6.4256	78.4846	0.3791	0.4367	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0	8.3679	78.7423	0	0.266	0	0	0.4982
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0.3382	8.6597	79.0073	0.3382	0.4038	0	0.0779	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	1.239	0	8.6585	77.144	0	0.8839	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	7.5367	78.5907	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	11.578	76.3685	0	0	0	0	5.8722
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	8.6154	0.7525	0	47.1003	0.7525	0.6109	0	0.1359	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	11.3497	0.1847	8.4523	59.6054	0	0	0	0.1466	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	11.4476	0	0	26.0347	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	17.0883	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	17.2032	3.2188	0	45.2403	3.4054	2.7856	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0	0	59.482	2.2752	4.7964	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	11.3707	0	0	56.6654	8.3242	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	10.0196	2.3133	0	58.2543	2.3445	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	7.9801	0	0	55.0328	0	0.2087	0	0.0537	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	20.4385	0	0	0	0	3.9039	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	23.2485	1.2235	0	25.6592	1.2235	3.1179	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	5.7024	3.4995	0	61.0922	3.5703	0	0	0	2.284
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	4.5386	0	11.4682	68.2043	0	3.0333	0	0	1.5888
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	3.3905	2.8238	0	63.755	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	3.9543	2.7221	0	76.7732	2.7504	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	8.0927	0	9.6185	61.816	2.3205	0.1609	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	3.7061	0	79.8717	3.7061	0.5408	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	10.307	0.8395	9.4597	66.2962	0.9385	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	11.1273	74.3672	0	5.2154	0	0	2.7618
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	3.7185	0	11.2378	68.4762	0	2.7096	0	0	2.3447
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	10.8361	0	0	69.1422	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	9.2734	0	0	57.0223	7.9141	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	9.7885	1.2493	8.4603	68.1738	1.2493	0	0	0.0908	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	12.4712	0.7731	7.9418	54.8341	0.7731	0.4532	0	0.057	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	13.7344	0.6437	7.3356	39.2361	0.6437	0.166	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	3.4794	2.8742	0	76.5525	2.8742	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	1.8938	2.3654	8.4025	71.7233	2.3654	0	0	0	0.6122
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0.7624	0	9.4968	73.0396	0	2.6524	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	11.0105	2.6394	0	63.421	2.6733	0.1249	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0.314	7.0283	72.9832	0.3534	1.8964	0	0	1.9802
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	5.6479	1.7744	0	78.3245	1.7744	0.2436	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	3.9185	1.2356	0	60.869	1.344	6.5498	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	11.2541	0	9.7156	68.4313	1.7428	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	8.3016	1.1866	9.0142	69.2048	1.2036	0	0	0.0648	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	2.4561	0	72.6486	2.4561	1.7836	0	0	4.6623
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	2.2649	0	76.6757	2.2649	0.8329	0	0	0.5738
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0.3297	7.0144	76.3019	0.3552	1.5823	0	0	1.4753
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	9.1306	2.1179	0	68.6696	2.1179	0.7029	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	2.8174	0	75.2467	2.8514	0.3841	0	0	3.3632
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	5.1779	77.2631	0	2.2534	0	0	2.2574
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	9.3845	4.148	0	47.9659	4.148	0	0	0	1.537
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0	9.9592	72.4885	0	0	0	0	4.9871
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	9.6832	0	0	39.1056	3.0994	3.9317	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	8.168	0.5393	7.7313	70.114	0.6155	1.1219	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	10.8734	0.7816	7.616	52.6368	0.8071	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	5.9531	6.4931	72.4913	6.0998	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	5.4334	0	7.5819	70.8467	0	3.9249	0	0	0.0629
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	1.2288	0	8.0057	71.0085	0	2.8618	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0.2127	8.2908	73.9433	0.3698	1.6493	0	0	3.2499
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	5.2629	4.3277	0	65.1854	4.4116	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	3.6269	0	58.2705	0	1.2598	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	3.3333	0	72.8034	3.3864	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	3.3402	0	65.4072	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	5.926	3.0357	0	29.0016	3.0664	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	16.3471	1.647	0	19.2374	0	0.4092	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	1.2458	0	84.4428	1.2458	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	0	0	54.6296	6.9586	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0	0	69.6141	0	3.9425	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	8.2686	0	9.6629	71.1834	0	3.3277	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0.4263	7.2119	75.3669	0.5912	1.4055	0	0	1.9485
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	5.0625	0	9.478	69.7062	0	3.6246	0	0	2.3058
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	7.4052	0	10.9684	67.8376	0	0	0	0	2.035
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0.8266	8.4421	72.2719	0.8266	1.0228	0	0	1.808
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0.8263	0	0	91.4695	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	0	93.7535	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	1.5859	0	0	94.4266	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0.8228	8.4883	72.115	0.8653	0.976	0	0	1.8639
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	2.1354	0	73.1167	2.1608	1.8982	0	0	3.2853
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	6.2233	0	10.8796	70.6577	0	0	0	0	2.2909
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	4.8037	4.4843	0	56.8384	4.4843	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	10.6329	2.5383	0	50.3556	2.5412	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	7.8967	0	10.4885	61.6273	2.3282	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	9.0467	0	9.8926	52.2745	1.7608	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	9.5023	3.4623	0	55.1018	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0.4805	4.0564	0	73.0256	4.0564	1.7452	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0.354	6.3242	73.2702	0.405	1.7347	0	0	2.7572
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0	12.9888	76.1288	0	3.9373	0	0	3.1317
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0.8611	0	0	0.8611	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	0	4.9322	70.4924	3.2536	0.9679	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	6.7318	3.3144	0	63.6022	3.3144	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	6.6683	0.4485	8.6205	69.934	0.5702	1.4345	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	8.5295	0	8.8408	57.1323	2.6598	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	5.7145	0	8.9617	84.5887	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	6.1667	0	7.0474	84.2208	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	6.2657	0	3.912	80.7771	2.038	0.0529	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	7.3094	2.663	0	53.9745	2.663	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	18.6307	0	0	40.759	8.3552	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	4.628	0	79.7706	4.697	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	3.0054	0	88.7107	3.1122	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	1.4884	0	0	75.7294	5.4046	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0	0	83.6867	6.3619	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	4.3314	2.5765	0	57.1615	2.5765	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	6.1764	0	0	9.5468	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	4.5757	0	0	48.6972	5.7129	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	3.4069	0	0	76.3062	5.2169	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	14.1865	0	0	47.4399	5.6589	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0	7.3048	83.7854	3.2312	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	2.3864	0	88.4072	2.4931	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0	5.6523	84.8556	0	0	0	0	3.1873
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	3.3219	0	0	79.3103	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	10.3527	2.7099	0	42.1028	2.8533	0.0363	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	3.5053	0	10.0971	78.6431	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	1.7882	0	0	87.468	6.0259	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	3.8193	2.6298	0	75.7968	2.6298	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0	0	83.0525	2.2837	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	1.7066	0	85.6181	1.7066	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	5.8311	0	7.9687	76.9291	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	6.1565	0	11.2134	77.4625	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	0	0	77.6814	9.3366	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	8.9506	0	0	48.1963	6.5757	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	7.9231	0	0	51.5881	11.7193	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	1.4032	3.144	0	66.598	3.2169	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	2.4561	2.4264	0	78.2086	2.4264	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	3.4043	0	0	78.8551	5.4133	1.6459	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	8.8221	0	0	63.3861	3.1671	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	3.4092	0	0	81.7648	5.1302	1.8559	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	2.0345	0	87.9417	2.1603	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	0	5.0718	79.3572	3.0128	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	0	0	80.913	9.5316	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	1.51	0	84.0825	1.5437	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	3.9957	0	0	82.3116	0	1.6596	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	0	0	72.4169	8.255	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	4.5036	3.2591	0	62.3257	3.3714	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	4.932	0	8.1068	75.5981	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	4.3804	0	77.8659	4.4834	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	3.4189	0	14.5241	81.2598	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0.0535	0.6429	8.2022	84.0733	0.7295	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	2.9558	0	10.9014	82.5471	0	0.3817	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	3.0311	0	88.1084	3.1625	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	3.1664	0	11.0794	81.6248	0	0.2184	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	6.4263	7.0113	0	0	7.0113	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	2.3258	0	6.0143	83.9286	0	1.2805	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	3.1299	0	7.7193	82.4426	0	0.5059	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	2.4794	0	0	86.2246	5.5057	0.8478	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	2.0344	0	79.0488	2.1123	0.203	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	11.3862	2.8504	0	47.588	3.0982	1.4752	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	8.2909	0	0	46.0129	2.5939	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	0	6.75	82.2323	0	0	0	0	2.3191
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	2.7956	2.0102	0	74.9959	2.1087	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	2.8514	0	87.027	2.9709	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	3.9417	0	11.2577	83.1422	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	2.548	0	90.5021	2.6434	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	3.4081	0	12.4071	83.5719	0	0	0	0	0.6129
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	5.4861	0	5.8253	84.7294	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	2.7949	0	7.8187	85.151	0	0.7594	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	0	8.0216	79.3884	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	0	9.8644	76.3867	0	0	0	0	0.9913
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	0.4938	7.4629	75.0724	0.4938	0.6146	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	3.2495	0	10.0226	70.6362	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	4.0634	0	79.7734	4.0634	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	0	8.2864	77.1381	0	0.7215	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0.7248	0	7.7906	76.618	0	0.4673	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0	4.1015	77.4847	0	0.1775	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	1.7081	0	0	82.4099	0	0.3442	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0	0	85.1339	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0.1904	0.7231	9.3464	76.0635	0.7231	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	0	7.7756	76.311	0	0	0	0	0.7884
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	0.4142	7.2887	75.674	0.4142	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	0	10.8303	75.5754	0	0	0	0	2.0432
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	2.5755	0	77.6106	2.5755	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	0	5.8704	80.1761	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	3.8376	0	8.9673	71.5074	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0.876	0	8.6298	73.2472	0	1.8118	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	1.9715	0	9.9505	77.4228	0	0.1769	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	2.6377	0	12.1049	69.0362	0	1.5776	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	3.5039	0	9.5501	70.4194	0	1.8187	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	1.8568	0	79.2082	1.8568	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	0	0	81.4938	0	1.8141	0	0	0.9775
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	0	0	80.3928	0	3.0995	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	1.2933	0	8.6328	74.4151	0	1.5123	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	0	9.3063	76.6633	0	0	0	0	1.1405
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	0	0	82.5541	0	0.9599	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	0	7.669	75.7425	0	0.7897	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	0	4.3201	80.6488	0	0	0	0	1.4846
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	0	9.076	73.0929	0	0	0	0	4.038
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	2.7985	0	7.7336	68.5255	0	2.4204	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	0.2403	7.7363	71.3344	0.2403	0	0	0	0.1884
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0.8442	0	9.5914	72.7994	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	0.2881	6.8276	73.1502	0.2881	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	3.3366	0	76.8208	3.3366	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	4.213	0	75.6419	4.213	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0.9495	0	9.1761	71.8723	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	0	9.4761	76.1912	0	0	0	0	2.8471
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	0	11.5371	71.4282	0	5.1907	0	0	1.6494
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	3.598	0	78.3775	3.598	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	1.2383	3.9765	0	74.2199	3.9765	0.3225	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	3.48	0	11.237	70.7086	0	2.7586	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	6.5936	0	10.8817	68.6064	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0.1456	0	7.2052	71.386	0	3.1298	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	4.1106	0	76.2456	4.1106	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0	0	82.5091	0	5.4607	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	7.2757	0	8.9745	64.8969	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	0.1826	8.3238	72.9963	0.1826	1.5971	0	0	0.2782
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0.1097	0	7.5804	74.678	0	2.2978	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0.5313	0	5.7269	68.7026	0	3.0464	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	0	5.0466	78.744	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0	0	82.4344	0	4.588	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	1.5481	9.482	72.6021	1.5481	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	3.2197	0	12.6765	69.3221	0	2.208	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	0	11.5056	78.9628	0	0	0	0	3.5435
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	0	8.7507	73.0706	0	4.3677	0	0	0.5483
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	2.2458	0	15.9759	72.9107	0	1.2299	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	0	15.1381	74.6591	0	0	0	0	2.6766
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	4.3421	0	10.9005	73.1298	0	1.1883	0	0	0.3961
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	4.4281	0	8.9316	66.5058	4.5489	3.2103	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	5.47	0	0	78.2785	0	2.2815	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	0	6.0961	72.2558	0	2.3919	0	0	2.0017
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	2.4565	0	71.333	2.4565	0	0	0	2.6572
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	1.6164	0	76.7793	1.625	0.2507	0	0	3.84
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	0	9.5992	74.9985	0	0	0	0	4.4603
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	6.7724	0	0	79.5376	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	2.7171	0	0	77.9058	0	0	0	0	3.682
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	0	9.1168	69.7102	1.7141	2.6981	0	0	4.9601
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	2.2482	0	5.3106	69.4376	0.5751	2.57	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	0	9.507	75.0454	0	1.862	0	0	3.843
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	4.3098	0	0	74.1204	0	1.5694	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	0.295	6.0679	74.5362	0.3007	0.6675	0	0	3.6491
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	3.2592	0	5.562	66.8712	0	2.6415	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	0	0	80.7601	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	0	0	73.723	0	2.8365	0	0	2.3143
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	3.45	0	74.951	3.4894	0	0	0	3.1788
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	0	9.4496	72.4774	0	2.7376	0	0	4.1823
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	0.0808	7.4059	73.0833	0.1063	1.3544	0	0	3.2445
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	1.244	0	8.554	73.5246	0	0	0	0	2.7197
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	3.2768	0	9.2106	70.525	0	0	0	0	3.431
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	0	9.6742	73.7803	0	0	0	0	6.5164
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	0	7.5595	71.2618	1.5126	0	0	0	2.8862
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0	5.9165	74.3074	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	0.1148	9.3668	71.7146	0.1148	1.0852	0	0	3.7995
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	0.4051	7.6879	72.6238	0.4452	0	0	0	3.0329
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	7.9487	0	0	77.0794	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	6.6329	0.4574	0	65.5387	0.4574	0	0	0.6406	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	5.7654	1.4188	0	64.5863	1.4188	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	4.712	0	5.8358	69.7856	0	0	0	0	3.1775
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	2.7305	0	10.3127	70.1983	0	0	0	0	3.8439
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	2.8667	0	0	81.3018	0	1.421	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	2.7743	0	9.8202	70.5239	0	1.8234	0	0	3.7303
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	1.8454	0	9.0879	69.1101	2.2212	0	0	0	2.4542
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0	3.3546	8.668	65.0439	3.4496	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	0	8.8038	73.3976	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	0	0	79.464	0	3.1239	0	0	3.5634
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	3.8435	0	6.2308	71.8144	0	0	0	0	3.9343
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	5.1901	0	0	75.3891	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	2.8629	0	0	71.1379	5.8652	0.5046	0	0	3.7216
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	7.525	0	0	80.3916	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	0.0797	8.001	73.5673	0.0797	1.0811	0	0	3.5717
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	1.0151	0	7.3131	75.8041	0.7378	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	2.681	0	7.1062	70.6917	0	2.0552	0	0	4.0904
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	2.8235	0	0	72.8929	6.2327	0.8222	0	0	2.5739
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	3.6114	0	0	74.151	0	1.5537	0	0	2.009
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	0	5.8716	75.3567	0	1.0441	0	0	4.3304

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Trilithionit	Tobelite	Paragonite	Muscovite	Nanpingite	Masutomil	Roscoelite	Chromphy	Fluorannit
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_Ivo-SCB215_9_mica	4	7.9843	0	5.8402	71.8764	0.7595	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_Ivo-SCB215_9_mica	5	0	0	8.013	70.4692	0	3.2197	0	0	4.1473

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	1.1726	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	0	0	1.8552	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	0	0	0.7773	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	0	19.9278	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	0	0	5.67	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	1.8657	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	0	0	3.2126	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	0	0	4.5921	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	1.9324	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0	0	3.9543	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0	0	4.0541	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	0	0	3.4216	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	0	0	5.463	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	0	0	5.7083	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	0	0	0	0	0	5.1352	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	0	10.5036	0.9666	0	0	14.8547	2.6177	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	0	0	0	0	0	0	0	7.5505
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	2.221	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	0	0	0	9.6595	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	0	0	0	0	0	7.5036	0	5.0784
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	0	0	2.428	5.7919	0	0	0	8.7754
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	0	0	3.6865	0	9.9257	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	0	0	6.0504	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0.6026	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	0	0	3.6744	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0	0	17.2378	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	0	0	3.0242	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	0	17.3758	1.2777	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	0	14.5851	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	0	0	5.4788	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	0	0	3.4769	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0	0	3.2208	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0.4836	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	0	0	3.0374	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	0	0	1.7733	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	0	0	2.0289	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	1.3272	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	0	14.7136	0.1162	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0	10.5141	0.6372	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	0	1.26	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0	0	6.0845	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0	13.6368	0.1473	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	1.1419	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	0	0	2.2493	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	0	0	4.7225	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	0	0	4.2992	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0	0	3.0145	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0	0	2.4852	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	0	0	2.6894	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0	0	2.9675	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	0	0	2.8827	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	0	0	2.9582	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	0	25.0423	0.5749	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0.8307	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	0	0	1.9589	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0	0	2.7254	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0	0	2.9002	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	1.4372	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	0	0	0.5926	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0	0	0	0	3.1973	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0	0	1.1277	0	3.795	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0	15.1901	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0.6082	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0	0	1.2033	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	3.5235	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0.1572	0	0	0.9966	0	2.8618	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0.4314	0	0	1.0857	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	0	0	0.8262	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0	0	1.4367	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0.7813	0	0	0.216	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	0	0.62	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	0	0.6965	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0.9826	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	0	21.0235	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	0	0	0.509	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0.6242	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0.6274	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	0	0.5917	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0	0	0.404	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0.3523	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0.1809	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0	0	0.8025	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	0	0	2.1703	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0	0	0.8984	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0	40.2285	0.1724	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0.4061	0	0	0.6577	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	0	0	0.876	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	0	33.7714	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	0	0	2.46	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	0	20.9847	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0	11.4572	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	0	18.2064	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	1.2369	16.069	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	0	0	1.4837	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	0	18.5674	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	1.5813	13.8869	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	0	38.1773	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	2.819	31.2054	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	0	0	0.6804	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0.683	0	0	0.105	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	0	0	0.7427	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	2.0182	19.5654	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	0	49.9557	2.2232	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	0	0	3.7538	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	0	24.5045	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	0	0	1.404	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	0	19.8699	0.9278	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	5.4869	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	0	35.4577	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	0	27.5976	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	0	0	0	0	3.521	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	18.7478	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	32.3163	8.9558	0	0	29.5873	0	3.6994
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	0	0	0	0	0	52.2466	5.5777	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0	0	0	1.7704	0	0	57.1811	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0	37.3485	5.7962	0	0	42.1892	0	3.2915
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	0	0	0	0	0	54.0038	0	3.0025
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0	0	3.2639	0	0	42.5745	6.844	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	0	15.2648	6.1146	0	0	12.3702	0	3.6115
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	0	0	6.2103	0	0	10.3786	0	2.1537

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	0	0	8.4523	0	0	5.6703	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	0	0	7.8816	0	8.0011	10.3994	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	0	0	6.4152	0	7.7577	14.673	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	0	0	8.6264	0	4.4796	47.6253	0	1.4011
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	0	23.5894	6.5924	0	0	8.0546	0	3.3624
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	0	0	7.9772	0	0	20.2222	0	2.4295
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	0	0	4.1577	0	0	3.749	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	0	14.1455	6.2586	0	0	12.6722	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	0	0	6.758	0	13.6083	7.3084	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	0	0	3.8307	0	0	14.0693	0	2.5804
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	0	0	4.1697	0	0	17.0453	0	5.4456
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	0	0	4.2224	0	0	0	0	4.1551
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	0	0	4.7494	0	0	16.7378	0	2.4111
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	0	25.7707	7.3057	0	0	22.6201	0	3.1504
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	0	4.7528	1.8302	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	0	10.2216	5.333	0	0	11.5303	0	3.0312
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	0	0	4.8314	0	0	18.9929	0	3.7423
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	0	10.7712	4.4508	0	0	8.354	0	2.4667
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	0	0	4.615	0	0	14.1284	0	3.702
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	0	9.3507	5.7532	0	0	10.2222	0	2.0941
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	0	0	7.3439	0	0	6.3539	0	2.2771
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	0	0	6.4311	0	0	2.9652	0	3.5168
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	0.1972	16.0748	5.715	0	0	19.8852	0	2.569
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	0	0	3.9682	0	0	9.064	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	0	0	2.5236	0	0	20.3944	0	2.6387
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	0	0	7.078	0	0	13.9684	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	0	10.9798	4.9641	0	0	12.3811	0	1.9477
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	0	12.7809	5.7464	0	0	5.4333	0	3.1399
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0	0	0	2.2885	0	0	24.5824	0	2.4135
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	0	40.9241	6.9059	0	0	14.693	0	4.0796
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	0	27.5842	6.0708	0	0	16.1128	0	3.2523
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	0	0	2.7856	0	0	0	0	8.3955
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	0	22.9959	6.5334	0	0	30.5554	0	3.3064
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	0	0	6.5452	0	0	22.886	0	2.862
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	0	0	6.9896	0	0	13.2467	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	0	0	5.5999	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	0	9.8309	2.2026	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	0	0	2.7385	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	0	0	4.3205	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	0	0	1.4325	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	0	0	8.2031	0	0	25.1496	0	1.6815
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	0	0	6.4894	0	0	8.8502	0	2.7083
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	0	0	6.4081	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	0	12.9507	3.4879	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	0	0	5.8791	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	0	0	5.4504	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	0	0	6.7051	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0	0	14.2968	2.4259	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	0	0	5.3034	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetra	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	0	0	6.6544	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	0	0	8.2504	1.4451	0	50.7647	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	0	0	5.9503	0	2.1437	49.7849	0	1.4506
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	0	0	6.6659	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	0	0	9.3538	0	4.6523	40.9271	0	3.5039
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0	0	10.9922	0	1.6581	42.7361	0	4.3219
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	0	0	13.5566	0	0	16.1026	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	0	9.4165	6.2532	0	0	28.2147	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	0	12.6188	3.3965	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	0	0	3.8022	0	0	50.9076	3.3147	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	0	0	4.0665	0	0	51.0504	2.3787	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	0	23.2844	5.3447	0	0	40.2739	1.7172	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.6841	0	0	8.6784	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	0	12.4349	2.5989	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	0	27.548	2.9072	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	0	0	2.9944	0	0	59.3897	0	0.5915
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.2447	0	12.3546	1.6712	0	0	47.0396	0	7.2798
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	0	0	6.6751	0	1.2582	52.9868	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	0	0	7.1256	0	0	26.1176	0	1.9668
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	0	0	1.3001	0	0	38.8065	0	8.7908
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	0	0	7.2757	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	0	8.3019	3.8432	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0.2019	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	0	0	4.4309	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	0	0	3.7955	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0	0	3.5792	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0	0	6.4535	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	0	0	3.4859	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	0	0	6.8938	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	0	0	5.1526	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	0	0	4.9539	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0	0	6.1928	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0.2199	0	0	3.6527	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	0	0	5.1668	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	0	0	5.6474	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0.5616	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	0	0	4.74	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	0	0	7.088	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	0	0	3.5498	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	0	0	5.7163	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	0	0	3.2341	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	0	0	4.9442	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	0	0	5.9839	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	0	0	4.2761	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	0	0	4.2135	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	0	0	4.8138	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	0	26.4615	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	0	0	3.6144	0	7.9286	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	0	0	1.7075	0	8.0496	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	0	0	2.8969	0	10.535	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	0	0	1.5859	0	6.3557	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	0	0	3.1506	0	10.0044	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	0	0	0	0	12.5986	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	0	25.5815	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0	0	4.1437	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	0	0	4.2635	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	0	0	3.2371	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	0	0	4.3428	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0	0	1.7902	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	0	0	3.8919	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	0	0	3.2033	0	10.8796	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	0	0	2.3005	0	8.5591	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	0	8.6583	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	0	0	2.5582	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	0	0	0	0	5.8136	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	0	8.6638	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0	0	0	5.5382	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	0	0	2.5299	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	0	0	0	0	9.0549	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	0	19.8037	0.0812	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0	0	4.5624	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	0	0	3.1924	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	0	0	3.1696	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	0	0	2.6108	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	0	0	2.4718	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	0	0	1.4108	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	0	2.0502	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0.3058	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0	0	1.4432	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0	0	1.4749	0	9.0052	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	2.0256	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	0	0	2.3493	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0	28.1199	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	1.3693	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0	0	0.4538	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0	0	1.2227	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0	0	1.0489	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	1.998	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0	0	0.684	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0	0	0.6676	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0	0	1.1673	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0	0	1.9673	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	1.0128	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0	26.0967	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	26.9388	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	18.5152	0.3097	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0	0	2.8126	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	1.302	0	0	0.791	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	0	0.7835	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	3.2702	25.0125	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0	8.0269	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0	41.4116	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0	63.8747	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	0	10.8943	5.034	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0	11.4387	2.9888	0	0	14.8662	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	0	11.9904	0	0	0	0.9535	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0	12.5127	0.4536	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0	21.762	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0	59.9022	2.547	0	0	0	0	0.2067
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0	34.5082	0.9825	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	0	12.4868	3.4995	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0	16.1794	2.7795	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0	0	4.5417	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	0	7.6802	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	0	6.6626	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0	0	0.1265	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	0	11.2394	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	0	1.4841	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	0	10.0461	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0	28.9302	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0	0	5.1818	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	0	7.214	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0	0	3.5972	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	0	4.7403	2.6759	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0	0	5.7461	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	0	5.8814	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0	0	16.022	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0	0	1.1023	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0	0	9.7339	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0	0	6.4799	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0	0	5.029	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	0	6.3129	2.8012	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0	0	5.5824	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	0	5.6462	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	0	19.9682	4.148	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0	16.9309	4.7235	0	0	15.2426	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	0	3.7551	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0	14.625	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0	0	3.8058	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0	0	3.1845	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0	0	4.3066	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	0	0	5.8275	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	0	21.252	7.2695	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0	7.0689	4.4559	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	0	15.2553	5.2628	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0	44.7237	3.0357	0	0	2.4172	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0	51.9077	0.0126	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetr:	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0	0	5.4694	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	0	21.3708	0	0	0	10.0262	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0	0	14.4166	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	1.7103	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0	0	4.3107	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0	0	4.3604	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0	0	4.2493	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	0	0	8.942	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	0	10.5294	5.1396	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	0	17.3413	0.2981	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	0	10.5305	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	0	18.3257	0	0	0	0.4422	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	0	15.5862	1.5164	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0	0	7.6634	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0	0	5.3015	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	2.6373	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0	65.601	1.6684	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	1.814	0	0	0	0	0	10.7187	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	0	7.9743	3.747	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	0	0	3.1383	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	0	17.0057	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0	5.2837	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	0	24.9868	1.3422	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0	27.6111	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	0	0	5.2159	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0	0	1.6745	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0	16.2486	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0	0	0	0	0	6.3595	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	0	24.6328	2.5765	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0	65.8589	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	0	26.1323	6.9693	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	0	9.7096	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	0	19.0816	0	0	0	5.6747	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0	0	0	0	0	5.6786	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0	0	4.2208	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0	15.7094	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0	0	32.2054	3.1883	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0.206	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	0	8.6765	2.7645	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fluorotetra	Tetraferria	Luanshiwe	Voloshinit	Yangzhum	Montdorit	Polyolithion	Sokolovait	Kreiterite	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0	0	8.7223	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	0	0	4.0617	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0.6006	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	0	0	0	0	0	9.5615	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	0	26.4954	0	0	0	3.891	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0	25.1427	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	0	13.8355	3.9696	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	0	0	7.6053	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0	0.9963	21.2458	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	0	0	3.8434	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0.0766	0	0	0	0	0	0	7.3904	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	0	0	0	0	0	5.5673	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	0	0	7.1306	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	0	0	0	0	0	11.5467	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	0	14.548	3.7466	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	1.1236	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	0	7.6343	3.5534	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0.2247	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0	0	4.2653	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0.5572	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	0	0	3.8877	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0.695	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0	57.3253	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0.661	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0.6551	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	0	0	7.1811	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	0	3.0054	4.3921	0	0	7.8469	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0	35.3726	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0	13.9024	1.196	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	0	0	3.7728	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0.1509	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	0	0	2.3607	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	0	0	0	0	0	0	0	0	
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0.601	0	0	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	2.0077	0	0	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	0	0	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	0	0	2.4599	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	0	5.0143	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	0	0	3.3755	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	2.7514	0	0	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	0	0	0	0	0	0	0	0	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0	0	2.3928	0	0	0	0	0	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocclad	Anandite	Orlovite	Gorbunovi	Oxyphlogo
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	11.5783	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	9.9766	8.3859	0	0	0	0	0.1106	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	10.4622	0	0	0	0	0.701	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	9.516	0	0	0	0	0.6861	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	9.9517	0	0	0	0	0.3004	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	11.0561	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	11.5339	9.8527	0	0	0	0	0	0	0.1763
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	5.7409	0.5923	0	4.9407	0.9865	0	0.4153	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	6.0413	7.4359	0	0	0	0	0	0	0.1715
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	10.1558	0	0	0	0	0	0	0.0804
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	0	2.0476	0	2.6012	0.7881	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	14.0716	0	0	1.9768	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	8.5544	8.2983	0	0	0	0.0816	0.0307	0	0.2442
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	9.4697	8.1328	0	0	0	0	0.3851	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	12.4692	0	0	0	0	0.8355	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	0	0	0	0	2.1616	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0	0	0	0	1.1445	0	0.6065	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	12.2936	0	0	0	0	0.6771	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	13.8137	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	10.8388	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	6.8511	0	0	1.3031	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	0	0	0	4.794	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	8.9438	7.8415	0	0	0	0	0.0159	0	0.1646
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	3.2467	8.582	0	0	0	0	0.0979	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	6.1055	0	0	2.2048	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	3.5082	0	0	6.8607	0	0.0736	0.3519	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	5.7742	0.6457	0	2.8566	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	9.9168	0	0	0	0	0.6436	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	13.087	0	0	0	0	0.207	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	10.4159	0	0	0	0	0.4978	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	0	0	7.8924	0.7611	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	12.9774	0	0	0	0	1.4187	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	6.1864	7.107	0	0	0	0	0.2842	0	0.2114
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	11.5714	0	0	0	0	1.1474	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	0	0	0	11.7591	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	13.6462	0	0	0	0	0	0	0.5059
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	10.8706	0	0	0	0	0.0848	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	12.0867	0	0	0	0.1525	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	0	0	0	1.8537	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	6.6118	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0	0	0	7.8503	0	0.9611	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	11.2917	0	0	0	0.251	0	0	0.3778
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	11.5993	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	18.4868	0	0	0	0	0.5599	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	19.9618	0	0	0	0	0	0	0.4241
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	19.0799	12.4272	0	0	0	0	0.3291	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	10.3426	0	0	0	0	0	0	0.1854
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	10.1985	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	9.2305	0	0	0	0	0.4651	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	18.5114	0	0	0	0	1.5216	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	5.0485	0	0	0	0	0.162	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	11.8724	0	0	0	0	0.3804	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	11.9277	0	0	0	0	0.6999	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	9.9148	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	17.0655	0	0	0	0	0	0	0.2144
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	6.4439	0	0	1.6936	0	1.3521	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0	0	0	2.5145	0	0	0	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	20.8714	0	0	0	0	0.9544	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	6.423	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	6.3305	0	0	0	0	2.929	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	9.2505	0	0	0	0	0	0	1.132
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	0	0	0	4.8131	0	0.3666	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	0	0	0	8.8189	0	2.5134	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	0	0	12.127	0	0	1.6103	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	7.4571	0.559	0	0	0	0.258	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0	0	0	0	0	3.8192	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	2.5197	0	0	1.7953	0	2.1681	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	9.1949	0	0	0	0	0	0	1.9218
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	6.9056	0	0	0	0	0	0	1.7346
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	7.1911	0	0	0	0	0	0	1.5478
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	7.1318	0	0	0	0	0.5304	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	7.4728	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	6.7529	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	5.6396	0	0	0	0	2.3843	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	5.2546	0	0	0	0	2.0753	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	0	0	23.9731	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	13.0342	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	0	0	14.1898	7.4641	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	0	0	0	5.6943	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	9.2659	0	0	0	0	0	0	1.7975
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	10.2747	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0	0	0	0	0	5.2737	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	11.2457	0	0	0	0	0	0	1.9072
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	0	0	0	21.655	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	0	0	12.8172	9.6595	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	0	0	0	15.5985	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	5.5947	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0	0	0	0	0	6.2583	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	10.5338	0	0	0	0	0.2761	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	0	0	0	5.2226	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	7.9104	0	0	0	0	0.0441	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0	1.9542	0	4.1665	0	0	0	0.7573
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	0	0	0	3.6807	0	1.6698	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0	0	0	0	0.8202	0.3642	1.0935	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	8.4422	0	0	0	0	0	0	1.1444
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	5.6592	0	0	0	0	1.385	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	0.2531	0	0	1.0313	0	0.651	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocelad	Anandite	Orlovite	Gorbunovi	Oxyphlogo
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	7.0598	0	0	0.4555	0	1.8733	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0	0	0	0	0	0	1.499	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0	12.8283	0	0	0.198	0	0.0731	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0	6.3058	0	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	0	0	0	6.8122	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	3.3397	0	0	0	0	3.584	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	2.356	0	0	2.234	0	3.0253	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	10.8607	0	0	0	0	0	0	2.1358
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	8.7992	1.0794	0	0	0	0	0	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	8.1281	0	0	0	0	3.0826	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	10.5575	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	9.7063	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	18.3976	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	9.8042	0	0	1.454	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	17.138	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	29.6107	0	0	0	3.5427	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	30.7784	0	0	0	4.611	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	15.2497	0	0	3.7734	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	20.4009	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	16.4384	0	0	4.5093	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	18.2567	0	0	0.6971	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	19.5905	0	0	0.0733	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	14.485	0	0	0.4443	0	0.9218	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	11.118	4.8208	0	0	1.4226	0	0	0	0.4856
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	3.6208	5.2521	0	5.7874	0	1.1169	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	33.0666	0	0	0	4.8965	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	16.655	0	0	0	0	1.6281	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	13.044	0	0	1.9427	0	2.9153	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	0	0	0	8.8369	0	0	0	0.3125
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0	0	0	13.4466	0	0	1.5621	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	9.5186	0	0	3.6566	0	0	0	0.5857
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	12.4465	4.0856	0	0.6078	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	29.2062	0	0	0	3.5489	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	19.1035	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	2.7024	0	0	3.597	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	0	0	0	5.4606	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	0	2.1986	0	4.6562	0	0.4971	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	0	0	6.9806	2.4342	0	1.6061	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	0	0	7.9938	0	0	0.9567	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	10.7018	0	0	5.0978	0	1.8364	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	0	0	0	6.0492	0	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	3.4058	0	0	1.466	0.3364	0.9878	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	0	1.156	0	4.2237	0	0.6734	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	0	0	0	0.4176	1.2232	0	0	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0	0	5.3941	0	0.1201	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	0	0	0	4.7279	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	8.0036	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	9.6681	0	0	0	0	0	0	0.7272
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	9.4496	0	0	0	0	0.0166	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	0	0	0	6.3854	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	9.6538	0.3558	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	9.6099	0	0	0	0	0.4383	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	12.8154	0	0	0	0	1.4239	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	9.4111	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	5.1726	0	0	1.8153	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	8.4325	0.6652	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	7.2303	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	8.0321	0	0	0	0	0	0	0.1051
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	9.6384	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	0	4.9871	2.0811	0	1.5435	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	7.3979	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	9.2427	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	7.7728	0	0	0	0	2.4932	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	9.8976	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	5.992	0	0	1.5706	0	0	0	0.095
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0	0	0	5.8723	0	1.8813	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0	0	0	0.8159	0	0	0	0.1863
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	0	4.3195	1.0164	0	0	0	0.0565
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0	0	0	4.9653	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0	0	0	0.2542	0	0	0	0.1134
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	2.3934	0	0	4.2884	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	11.1828	0	0	0	0	0	0	0.4225
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	9.0014	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	12.2267	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	14.5701	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	11.9812	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	8.4035	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	10.1324	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	7.8637	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	8.2348	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	9.0869	0	0	0	0	0	0	0.5833
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	10.0375	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	11.9548	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	8.92	0	0	0	0	1.8587	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	12.0524	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	12.2804	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	14.5843	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	13.8178	0	0	0	0.678	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	1.1854	0	0	1.5341	0.2197	0.5519	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	5.7332	0	0	2.8757	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	10.0605	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	10.2132	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	8.9221	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	9.623	0	0	0	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	10.5941	0	0	0	0	0.2541	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	7.7559	14.9483	0	0	0	0	0	0	0.0155
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	20.2702	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	10.3004	0	0	0	0	0	1.2949	9.4941

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	13.5733	11.9186	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0	0	0	1.1937	0.5839	0	0	1.6566
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	5.9886	0	0	0	0.2392	1.0581	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	9.6638	0	0	0	0	1.2143	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	8.6244	0	0	0	0	0.6309	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0	0	0	4.5352	0.3673	2.5616	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	10.1477	0	0	0	0	1.9212	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0	0	0	3.8547	0	1.6181	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	7.9172	0	0	0	0	1.4703	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	8.317	0	0	0	0	1.0416	0	0.2777
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	10.4072	0	0	4.6197	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	16.7572	11.0242	0	0	0	0.1567	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	14.8623	14.2561	0	0	0	0	0	0	0.0503
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	10.1275	0	0	0	0	1.0523	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	11.4603	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	8.2058	0	0	0	0	1.5546	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	12.6662	0	0	0	0	0	0	0.5283
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	8.7166	0	0	0	0	1.1321	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	7.454	0	0	0	0	1.1532	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	10.2054	0	0	0	0	0.5327	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	11.4959	0	0	0	0	0.2298	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	6.0423	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0	0	0	4.8086	0	1.2826	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	7.3932	0	0	0	0	0.8864	0	1.3595
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	0.6721	0	0	0	0	0.0635	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	7.6164	0	0	0	0	1.2736	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	10.1075	0	0	0	0	0	0	0.6703
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0	0	0	3.0147	0	2.8123	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	16.9827	0	0	0	0	0.8326	0	0.4195
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	14.627	0	0	0	0	1.1124	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0	0	0	7.723	0	2.4529	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	8.0648	0	0	0	0	1.0461	0	1.9234
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	13.8776	0	0	0	0	1.1707	0	0.933
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	7.5363	0	0	0	0	0.2801	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	7.2498	0	0	0	0	0.4114	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	8.5928	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	7.1463	0	0	0	0	0.4497	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	8.3116	6.1859	0	0	0	0	1.1791	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	11.3654	0	0	0	0	0.3634	0	0.2621
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	8.3447	0	0	0	0	0.7711	0	0.1
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	10.9496	10.7105	0	0	0	0	0	0	1.1813
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	11.2915	8.2228	0	0.356	0	0	0.1251	0	1.3061
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	1.7226	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	8.4273	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	5.8487	0	0	0	0	0	0	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	6.1145	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	10.3253	0	0	0	0.5459	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	12.5186	0	0	0	0	0.1617	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0	0	0	1.3066	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	10.074	0	0	0	0	0	0	0.3564
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	0	7.6067	1.299	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	8.6615	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	0	10.3997	1.6868	0	1.3664	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	2.6922	0	0	1.466	0.1799	1.0822	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	12.6554	0	0	0	0	0	0	0.1789
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	3.3494	0	0	1.7641	0	0	0	0.4077
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	3.5576	0	0	3.2858	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0	0	6.3219	0	0	0.0732	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	0	0	0	1.8026	0	0	0	0.3985
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	0	0	0	2.0342	0	1.0105	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	12.2237	0	0	0	0	0	0	0.5172
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	0	0	0	1.2223	1.6628	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	0	0	0	2.2385	0	0.8407	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	0	0	0	0	2.358	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	0	0	0	0.9068	0	1.0133	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	9.6849	0	0	0	0.1748	0.4134	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	8.7729	0	0	0	0.3674	0.1966	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	10.5987	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	10.5168	0	0	0	0.3939	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	11.3051	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	7.8816	0	0	0	0.268	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	14.9216	0	0	0	0	0.4136	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	9.8825	0	0	0	0	0.3834	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	17.8442	0	0	0	0	0.66	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	7.2564	0	0	0	0.868	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	5.5234	0	0	5.741	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0	0	0	0	8.0765	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	1.3357	0	0	0.9804	1.9156	0.3034	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	12.3998	0	0	0	0	0.8112	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	15.9808	0	0	0	0	1.182	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	0	0	0	3.7497	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	0	0	0	0	1.4352	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	10.3771	0	0	0	0	0.569	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	1.0331	5.5271	0	0	0	0	0.0973	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	0	7.6263	0.7601	0	0.7527	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	0.1681	0	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	5.6666	0	0	1.4817	0	0.0402	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	0	6.7251	3.5337	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	3.5866	0	0	11.4471	2.2632	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	0	0	4.0667	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	16.1788	0	0	0.5664	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	4.4863	9.3636	0	4.8774	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	2.6845	0	0	0	2.1357	0.7303	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0	8.1296	0	5.8801	0	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	0	0	12.2186	0	1.6952	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	5.6908	0	0	2.5853	1.1183	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	11.1947	0	0	7.8002	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocelad	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	0	0	0	25.5479	0.9945	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	6.3539	0	0	10.3234	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	11.1219	0	0	6.9372	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	0	0	0	12.2417	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	2.9935	0	0	9.0754	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	15.0949	0	0	5.9373	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	0	0	0	27.5964	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	8.5137	0	0	3.9449	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	0	0	0	13.8285	2.0763	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	12.4344	0	0	7.8696	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	8.0619	0	0	6.9934	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	0	0	0	14.9351	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	0	0	0	15.4824	0.7759	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	0	0	0	5.9985	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	0	0	0.5307	16.1798	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	0	0	0	17.1779	0.9309	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	0	0	0	20.3468	0.2658	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	0	0	0	15.2834	0.557	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	0	0	0	20.982	0.4471	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	6.5178	0	0	8.7491	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	0	0	0	25.9036	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	0	0	0	26.7783	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	5.8297	0	0	7.9232	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	11.9704	0	0	9.5347	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	11.5137	0	0	8.5479	1.6842	1.1122	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	19.9808	0	0	9.1522	0.1743	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	0	0	0	14.7706	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	0	0	0	13.8772	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0	18.0654	0	0	6.2499	1.5837	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	0	0	0	3.7674	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	3.4326	0	0	6.5066	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	0	0	0	23.0882	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	2.4322	0	0	5.4591	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	10.0557	0	0	7.3027	0.696	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	15.9991	0	0	2.7757	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	7.328	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	5.2857	0	0	2.0318	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	0	0.4797	0	5.3572	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	0	0	0	14.8864	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	0	0	2.0591	11.4552	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	12.9351	0	0	6.6396	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	0	0	0	26.8124	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	7.7061	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	5.507	0	0	2.4226	0	0.0612	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	10.841	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	10.2673	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	10.5536	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0	4.9754	0	0	1.3276	1.4832	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	8.7541	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	12.9232	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	0	0	0	16.7241	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	0	0	0	13.9133	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	13.5149	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	0	0	0	14.088	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0	0	0	14.3513	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	14.0878	0	0	4.0789	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	7.9556	0	0	5.4892	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	3.8071	0	0	0.5233	0.994	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	17.4175	0	0	4.0436	0.3172	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	15.1993	0	0	4.9903	0.611	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	16.7634	0	0	3.6653	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0	0	0	0	5.8213	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	7.5187	0	0	0.8351	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	3.4967	0	0	0	2.6059	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	21.091	0	0	3.1905	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0	0	0	0	8.8869	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	0	0	0	13.9769	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	4.361	0	0	14.8442	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	0	0	6.8749	10.8205	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	0	0	0	6.4504	0	0	0	0
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	5.4314	0	0	2.5636	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	0	0	0	4.1221	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	6.8417	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	3.0078	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	0	0.0572	0	3.4509	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	2.4421	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	5.5985	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	4.6119	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	4.0025	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	2.6775	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0	0	0	0	2.7349	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	0	0	0	5.0619	0	0.2464	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	5.4103	0	0	0	0.1057	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	6.9129	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	0	0	0	13.3489	0	1.3297	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	6.5307	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	7.4298	0	0	0	0.6414	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	9.1862	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	7.3042	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	6.9421	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	4.8974	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	2.1112	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocelad	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	4.6175	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	2.1195	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	0	0	0	3.5287	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	8.1756	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	7.4281	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	0	0	0	2.5493	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	5.1997	0	0	0	0.3933	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	7.5714	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	5.5247	0	0	0	0	0	0	0
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	8.7093	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	11.0625	0	0	0	1.0131	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	11.1401	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	11.021	0.2068	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	13.1257	0	0	0	0	0	0	0.4418
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	0	0	0	6.9813	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	13.29	0	0	0	0.3511	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	12.3813	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0	0	0	0	7.8561	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0	0	0	6.5931	2.1697	0	0.1367	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	9.5683	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	3.7342	12.9902	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0	0	0	0	5.8664	0	2.428	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	4.4161	0	0	1.876	0.6447	0.2218	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	7.6145	0	0	0	0	0.7262	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	5.8534	0	0	2.1303	0	0	0	0.3892
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	0	0	0	4.6366	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	6.9531	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	9.6145	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	7.6571	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	8.1683	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0	0	0	0	0	1.588	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	12.9728	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0	0	0	0	7.3666	0	1.0349	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	9.2662	0	0	0	1.2879	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	12.5453	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0	0	0	0	6.7602	0	3.5443	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	9.2549	0.6183	0	0	0	0.1652	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	9.6444	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	13.583	0	0	0	0	1.0225	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	8.996	0	0	0	0	0.8604	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0	0	0	9.724	1.9704	0	1.0061	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	15.8462	0	0	0	0	0.0241	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0	0	0	0	0.8955	0.43	0.943	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0	5.8197	0	0	1.3781	0	0.6902	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0	0	0	10.431	0	0	0.8465	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0	0	0	9.3723	3.2007	0	2.1114	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	9.5063	0	0	0	0	0	2.1147	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocelad	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0	0	0	7.4124	2.3553	0	0.8682	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	13.7065	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0	0	0	9.9179	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	5.8941	9.0574	0	0	0	0	0.0993	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	12.7264	0	0	0	0	1.2562	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	0	0	0	8.5234	0	4.5722	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0	0	0	0	9.5895	0	1.9892	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	11.4104	0	0	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	1.702	0	0	0	0	0.5842	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	0	0	15.5612	0	0	0	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	0	0	0	9.119	0	2.2179	0	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	13.2966	0	0	0	0	0	0.2088	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	7.8962	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	0	0	7.4782	5.3807	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	3.6319	0	0	0	0	0	0.9673	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	6.4953	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	7.1091	0	0	0	0	0	1.1914	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0	3.5331	0	0	1.6444	0.2087	0	0	0.1601
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	7.433	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0	0	3.4951	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	6.887	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	1	0	5.9639	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	2	0	0	0	6.2018	4.8472	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	14.411	0	0	0	0.103	0	0	0.6339
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	4.8986	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0	0	0	9.1843	0	0	0.7786	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	1.2056	10.2258	0	0	1.1632	0.481	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	0	0	0	1.5352	0.3092	0.1786	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	0	0	0	0	0	1.3431	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	0	0	0	0	0	2.4932	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	0	0	1.9076	4.0684	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0	0	0	7.7825	5.6404	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	0	0	6.793	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	0	0	0	5.1828	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	0	0	0	5.3797	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	0	0	6.5397	0.9686	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0	6.0988	0	0	1.3361	0	1.3785	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	0.3827	0	0	2.8092	0	0.3694	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	3.9469	0	0	1.7081	0	0.3409	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	6.1698	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	0	0	0	6.1873	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	7.0428	0	0	0	0	0	3.4745	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	2.0978	0	0	0	0	0	1.1442	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	10.8867	0	0	0	0	0	0	0.4756
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	8.8274	0	0	0	0	0	0	0.7388
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0	0	0	0	0	1.8155	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	6.9395	0	0	0	0	0	1.3721	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlogo
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	0	0	0	10.2501	0	0.9763	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	9.6423	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	5.5585	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	3.802	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	3.8405	0	0	0	0	0.3073	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	7.0242	0	0	0	0	0	1.462	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	8.4373	0	0	0	0	0.1847	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	6.2396	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	0	0	0	0	0.7268	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	10.9697	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	3.9041	0	0	3.9304	0	0	0	0.6672
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	7.4614	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	8.8799	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	7.2828	0	0	0	0	0	0	0.402
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0.8465	10.2278	0	0	0	0.7812	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	7.9345	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	0	4.3615	2.7166	0	0.9396	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0	0	4.9176	1.5669	0	0.6649	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	9.2254	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	1.9168	0	0	0	0.3144	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	11.411	0.6582	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	5.246	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	5.0595	0	0	0	0	0.1555	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	0	0	7.0961	5.2741	0	1.0367	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	4.206	8.1982	0	0	0	0.6056	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	13.2997	0	0	0	0	0	0	1.311
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	5.5921	0	0	0	0	0	0.8274	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0	0	8.1669	0	0	4.2888	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	9.5974	0	0	0	1.1171	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	3.614	0	0	1.4224	0	1.545	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	11.6096	0	0	0	0	0	0	1.6875
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	23.578	0	0	0	0	2.5125	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	0	0	21.1866	11.1111	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	0	0	4.7455	27.0809	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	2.6165	0	8.1074	0	0	1.7122	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	4.4999	6.6217	0	0	0	0.5941	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	4.2377	0	0	0	0	0	1.3293	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	1.6232	0	0	1.7163	0	1.9702	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	0	3.1821	3.5572	0	0.2876	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	6.914	0.5098	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	4.1215	7.4254	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	7.4742	0	0	0	0	0	2.3633	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	11.0145	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	4.4076	13.2538	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0	0	8.9256	4.1451	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	4.8618	7.6307	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	8.1964	0	0	0	0.3416	0	0.7853	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	4.155	0	0	2.7595	0	0	0.3576	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	6.9401	0	0	0	0	0	2.4463	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	8.5535	0	0	0	0	0	1.5203	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	5.393	0	0	0	0	0	0.7905	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	0	4.0473	2.6067	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	0	0	5.0852	0	2.6796	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	0	4.8938	2.5957	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	11.2522	0	0	0	0	0	0	2.0638
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	11.2141	0	0	0	0	0	0	2.0942
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	7.8596	0	0	0	0	0	2.3654	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	1.756	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	5.8687	0	0	0	0	0	1.7681	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0	0	0	2.0413	0	2.2015	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	8.1036	0	0	0	0	0	0	0.8979
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	8.6361	0	0	0	0	0.5035	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	8.133	0	0	0	0	0.436	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0	0	2.52	0	0	0.3603	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	9.9808	0	0	0	0	0.63	0	1.1639
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	9.6646	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	4.4848	6.0347	0	0	0	0.1573	0.2573	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	9.5243	0	0	0	0	0.7687	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	7.8317	0	0	0	0	0	1.0774	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	8.925	0	0	0	0	0.5276	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	10.4761	0	0	0	0	0	0	0.3313
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	13.4747	0	0	0	0	0	0	0.1275
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	8.5921	0	0	0	0	0.7491	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	10.3473	0	0	0	0	0	0	0.3194
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	4.0977	6.6711	0	0	0	0	0.2665	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	5.8282	4.8808	0	0	0	0	0.851	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	6.7348	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	6.3037	4.251	0	0	0	0	0.1583	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	9.8382	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	8.2326	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	7.1015	0	0	0	0	0	0	0.1262
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	0	3.9592	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	0	0	1.226	0.0828	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	8.5848	0.7453	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	6.0419	5.9267	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	8.3374	0.1023	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	9.869	0	0	0	0	0	0	0.2402
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	10.8715	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	6.1813	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	0	0	0	2.45	0	0.293	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0	0	0	8.6315	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0	0	0	4.5917	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	10.634	0	0	0.0638	0.1655	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0	0	0	2.2462	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocclad	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	3.6802	0	0	0.0754	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	7.8264	0	0	0.6284	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0	0	0	3.0037	1.6678	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0	0	0	1.7765	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0	0	0	6.413	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	3.3623	0	0	0.3155	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	11.1668	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	5.5108	0	0	0.9772	0.9495	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0	0	0	7.6668	0	0.6279	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	7.3834	0	0	1.8361	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	0	0	4.0174	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0	0	9.7996	0	0	0.6248	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	6.5284	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	11.5131	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	0	0	12.4727	0	0	0	0.4949
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	8.8825	0	0	0	0.7036	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	0.8141	0	7.6067	0	0.3609	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	7.3954	0	0	1.9499	1.0286	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0	0	0	3.2512	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0	0.5241	0	6.982	0	0.9425	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	0	5.4235	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	10.2535	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	7.4758	0	0	1.1474	0.8566	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	9.6986	0	0	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	1.3578	0	4.6788	0	0.3172	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	0	0	0	9.4887	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	0	8.8298	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0	0.7356	0	7.9736	0	0.7995	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	6.2595	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	10.8517	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	7.9122	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	5.8236	0	0	0.9034	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	7.1159	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	7.4019	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	3.9454	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	8.3809	0	0	0	0	3.6058	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0.0727	0	0	6.2372	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	0.836	0	7.1189	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	7.9614	0	0	1.2794	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	2.3146	0	0	2.32	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	12.1502	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	12.9353	0	0	0	0	0	0	0.2023
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	7.9776	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	13.1874	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	5.2925	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	6.0999	2.5471	0	0.3052	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	8.5754	0	0	0.3295	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0	0	0	2.8553	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0	0	0	3.9668	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	7.5962	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	4.6505	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	12.0268	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0	0	0	0	5.847	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	8.7389	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	9.8229	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	11.7537	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	10.4418	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	5.1149	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	0	0	2.0317	0	2.1535	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	0	0	0	2.2792	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	10.6194	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	8.4617	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	9.9485	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	9.7922	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	7.9641	0	0	0.4878	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	2.9545	0	0	1.2868	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	3.0079	0	0	1.2411	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	7.5578	0	0	0.4882	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0	0	0	6.2701	0	0	0	0.0211
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	9.8533	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0	0	0	0	0	1.176	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	4.0127	0	0	3.8086	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	6.635	0	0	0.4042	0.8195	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	0	0	9.1721	0	0	0	0	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	0.5673	0	0	1.1496	0	0.0456	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	0	0	0	0.5201	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	2.5651	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	1.3832	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0	0	0	2.681	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	2.4618	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	3.1953	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	3.1342	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	1.9041	0	0	0.5366	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	4.6784	0	0	0	0.4788	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	3.341	0	0	0	0.0218	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	5.2632	0	0	0.1636	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	2.2892	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	6.3049	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0	0	0	0	0.6894	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0	0	0	0	0.2612	0.7824	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0	7.5485	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	4.3864	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	1.5658	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceld	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	5.9415	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	6.7886	0.1183	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0	4.8085	0	0	3.862	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	0	0	0	5.1676	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	0	0	0	2.227	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	1.8479	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	5.0617	0	0	0.3213	0.4634	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	1.2558	0	0	5.3183	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	10.6523	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	7.8399	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	4.0201	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	3.3027	0	0	1.7668	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	3.5397	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	5.6125	0	0	0	0	0	0	0.1207
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	9.856	0	0	0	0.0862	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	6.9195	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	5.3515	0	0	0.1091	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0	5.6452	0	0	4.5945	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	0.6864	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0	0	0	0	0.5726	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0.5889	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	2.6569	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	1.6485	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	3.216	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	5.7898	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	5.5472	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	4.6675	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	9.4205	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	14.5004	0	0	0.7936	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0	0	0	3.0889	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	8.6986	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	3.3676	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0	1.5075	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	1.8347	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	3.9126	0	0	0	0	0	0	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	2.8749	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	0	0	0	6.3751	0	2.9158	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	7.7931	0	0	0	0	2.1677	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	9.4696	0.1649	0	0	0	0.5108	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	0	0	8.2609	0	0.1069	1.4569	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	0	0	0	5.068	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	9.1112	0	0	0	0	1.8703	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	11.2618	0	0	0	0	0	0	1.2229
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	11.7993	0	0	0	0	0.9437	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferrocclad	Anandite	Orlovite	Gorbunovi	Oxyphlog
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	11.4856	0	0	0	0	0	0	0.4905
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0	0	0	4.5294	0.0871	3.388	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0	0	1.0965	0	4.8783	0	2.68	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	9.5709	0	0	0	0	2.5741	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	9.5576	0	0	0	0	0.4098	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	6.1172	0	0	0	0	2.8145	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	9.0849	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	0	1.8601	0	4.8683	0	2.7338	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	12.1638	0	0	0	0	0	0	1.6492
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	11.2595	0	0	0	0	1.1716	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	0	0	7.6362	0.3649	0	2.2196	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	11.6588	0	0	0	0	0.3157	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	11.9901	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	9.9668	0	0	0	0	0.1665	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	10.5138	0	0	0	0	0.698	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	5.5662	0	0	1.5348	0	1.9878	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	10.4484	0	0	0	0	0.6677	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	7.8384	0	0	0	0	2.2376	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	4.6354	0	0	2.5412	0	2.2398	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	9.5436	0	0	0	0	0.5908	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	7.8891	0	0	0	0	2.5984	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	8.7091	0	0	0	0	2.9553	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	15.723	0	0	0	0	0	0	1.4035
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	5.863	0	0	0	0	0	0	1.1518
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	6.6577	0	0	0	0	0.3791	0.3704	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	7.4395	0	0	0	0	0.1923	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	0	0	0	6.0797	0	0.7543	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	0	0	0	5.9508	0	0.3413	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	10.7949	0	0	0	0	0	0	1.7758
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	6.3202	0	0	0	0	3.3121	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	7.547	0	0	0	0	0.7878	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	0	0	0	3.3176	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	0.1514	0	0	3.5743	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	10.0446	0	0	0	0	0	0	1.7712
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	11.7683	0	0	0	0	0	0	2.1317
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	10.801	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	0	0	0	4.824	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0	0	0	3.4164	0.6953	1.4558	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	5.5665	0	0	1.499	0.269	1.4387	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	9.8723	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	9.3486	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	5.1007	11.4612	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	5.7606	0	0	0	0	0.3308	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0	0	0	2.7363	0.5655	1.9111	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	0	0	0	3.0403	0	0	0	1.2352
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	10.3534	0	0	0	0	0	0	1.4606
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	0	0	0	0	0	3.6639	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	10.5816	0	0	0	0	0.6466	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	0	0	0	4.1394	0	1.2308	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceldad	Anandite	Orlovite	Gorbunovi	Oxyphlogo
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	0	0	0	0.2846	0	5.1152	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	0	0	8.2811	0	0	1.5747	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	0	0	0	8.4927	0	0	0	1.152
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	0	0	0	8.0703	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	10.3714	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	16.3918	0	0	0	0.3357	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	12.0977	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	10.942	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	0	0	6.0824	6.0824	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	14.491	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	11.8007	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	16.3339	0	0	0	1.9519	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	9.6978	0	0	0	0	0	0	0.0448
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	12.7662	0	0	0	2.1316	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	12.1825	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	19.0686	0	0	0	0	0	0	0.1269
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	10.2	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	17.2011	0	0	0	0.4496	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	9.481	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	11.1531	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	10.8991	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	10.019	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	1.3731	12.1836	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	9.9971	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	10.0595	0	0	0	0	0.3034	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	11.2747	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	10.9616	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	10.1844	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0	0	0	6.4728	6.4334	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0	0	0	14.6851	0	0.1185	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0	0	0	0	8.3716	0.6661	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	16.4891	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	12.9146	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	10.5439	0	0	0	2.7675	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	11.3224	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	9.4294	0	0	0	0.2874	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0	0	0	0	11.9094	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	9.0006	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	12.9328	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	14.1769	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0	0	0	7.9639	8.0347	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	13.4051	0	0	0	0.3227	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	0	0	0	9.7858	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	10.1114	0	0	0	0	0	0	0.0875
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	9.6516	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	13.3754	0	0	0	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	13.7116	0	0	0	0.58	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	14.9808	0	0	0	0.5204	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	13.3971	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Aluminoce	Ferroalum	Manganice	Celadonite	Ferroceldad	Anandite	Orlovite	Gorbunovi	Oxyphlogo
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0	0	0	6.1921	6.1921	0	0	0	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	14.1455	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	0	100		0	0.0051	0.0755	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	0	99.9638		0	0.0013	0.0013	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	0	100		0	-0.0084	0.0448	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	0	100		0	-0.0034	0.0216	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	0	99.9981		0.0151	-0.0045	0.0083	0.004
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	0	100		0	0.045	0.0423	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	0	99.9888		0.0032	0.0032	0.0032	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	0	100		0	0.0093	0.0079	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	0	99.995		0.0023	0.0023	0.0023	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	0	100		0	0.0081	0.0081	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	0	100		0	0.0171	0.0129	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	0	100		0	0.008	0.0399	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0	99.999		0	0.0006	0.0006	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0	99.9464		0	0.0042	0.0042	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	0	99.9989		0	0.0014	0.0187	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0.0544	0	100		0	0.0137	0.1112	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0	0	99.9735		0	0.0025	0.0289	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	0	100		0	-0.0006	0.0332	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	0	100		0.0226	0.0047	0.0229	0.0191
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	0.2355	100		0.0232	-0.0031	0.0156	0.0074
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0.3968	0	100		0	0.0051	0.0531	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	0.8826	100		0.043	0.0021	0.0346	0.0093
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0	99.9915		0.0003	0.0003	0.0003	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	0	99.949		0	0.0121	0.0155	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	0	100		0	0.0072	0.0676	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0	0	100		0	0.0079	0.0079	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0	0	99.9176		0.003	-0.0045	0.003	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	0	100		0	0.016	0.132	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	0	100		0	-0.0101	0.0403	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	0	100		0.0134	0.0054	0.0102	0.0053
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	0	100		0.0082	0.008	0.0026	0.0018
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	0	100		0.0336	-0.0219	0.0281	0.0142
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	0	100		0	-0.0005	0.0465	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0	99.9699		0	0.0044	0.0044	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	0	100		0	0.0077	0.0033	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	0	100		0.0596	0.0142	0.0382	0.0404
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	0	100		0	0.0176	0.0162	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	0	99.9834		0	0.0125	0.0125	0.016
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	0	100		0	0.0091	0.0091	0.0207
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0.7257	0	100		0	0.0006	0.2302	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	0	100		0	0.0511	0.0456	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0	100		0	0.0033	0.0946	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	0	100		0	0.004	0.0039	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	0	100		0	-0.0293	0.0415	0.0184
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	0	100		0	0.0053	0.0174	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	0	100		0	0.0032	0.0354	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	0	100		0	-0.0213	0.0677	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	0	100		0	0.0257	0.0248	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	0	100		0.0413	-0.0652	0.0371	0.0077

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	0	100		0	0.0352	0.0352	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	0	100		0	0.0106	0.0471	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	0	99.7911		0	0.0523	0.0523	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	0	99.8913		0	0.0158	0.0158	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	0.3523	100		0	0.0055	0.0005	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	0	100		0.0271	-0.0357	0.027	0.0186
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	0	100		0.0048	-0.0036	0.0044	0.0078
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	0	99.9488		0	0.005	0.0068	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0	99.5741		0	0.0527	0.0527	0
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	0	99.8697		0	0.0116	0.0338	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	0	99.8847		0.0314	-0.0686	0.0314	0.0567
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	0	100		0	0.0268	0.0237	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	0	100		0	0.021	0.021	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	0	99.9651		0	0.09	0.0898	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	0	99.7545		0.0097	-0.0179	0.0097	0.0321
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	0	99.3635		0	0.0236	0.0236	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	0	100		0.0082	0.0082	0.0079	0.0459
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	0	100		0	0.0407	0.0339	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	0	100		0	0.0685	0.0685	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	0	100		0	0.0331	0.0303	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	0	100		0.0028	0.0025	0.0001	0.0395
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	0	100		0.0051	0.0051	0.0051	0.0405
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	0	99.991		0.0042	0.0042	0.0042	0.0342
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	0	100		0.0373	-0.0672	0.0359	0.0546
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	0	99.8837		0.0262	-0.0739	0.0262	0.0571
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0	100		0	0.0295	0.0295	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	0	100		0	0.0346	0.0324	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	0	100		0	0.0648	0.0568	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	0	100		0.0097	0.0122	0.009	0.0097
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	0	99.7846		0	-0.0157	0.0534	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	0	100		0	0.0914	0.0868	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0	99.9341		0	0.0244	0.0244	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	0	100		0	0.0313	0.0308	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	0	100		0	0.0244	0.0145	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0	100		0	0.0208	0.0196	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	0	100		0	0.0306	0.0182	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	0	100		0	0.0311	0.0286	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0.1198	0	100		0.0029	-0.0136	0.0015	0.0243
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	0	100		0.0231	-0.0146	0.022	0.0369
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	0	100		0	0.028	0.0145	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	0	100		0	-0.0084	-0.0098	0.0605
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	0	99.5833		0	0.0605	0.0605	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	0	99.8987		0.0028	0.0028	0.0028	0.0367
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0	100		0	0.0361	0.0333	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	0	100		0	0.0331	0.0328	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0	0	100		0	0.0155	0.0153	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	0	100		0.0077	0.0076	0.007	0.0302
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	0	99.7669		0.034	-0.0407	0.034	0.0128
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	0	99.929		0	0.0224	0.0224	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	0	99.7742		0.0254	-0.0503	0.0254	0.0073
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0	0.2101	99.8929		0.0261	-0.0618	0.0261	0.0153
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0	0	99.991		0.0131	0.0115	0.0131	0.0131
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0	0	99.888		0	0.0139	0.034	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	1.9512	99.9628		0	0.0016	0.0312	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	0	100		0	0.047	0.0434	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	0	100		0.0118	0.0114	0.0076	0.0139
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	0	100		0	0.0342	0.0303	0
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	0	100		0.0024	0.0022	0.0006	0.0489
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	0	100		0	0.0333	0.0332	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	0	100		0	0.0199	0.213	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	0	100		0	-0.0013	0.1675	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	0	100		0	0.0076	0.043	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	0	100		0	0.0576	0.0561	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	0	100		0.0714	0.0415	0.0467	0.036
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	0	100		0	-0.0068	0.0835	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	0	100		0.0641	-0.01	0.055	0.0199
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	0	100		0	0.0398	0.0687	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	2.2768	0	100		0	0.0278	0.0867	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	1.6003	0	100		0	0.0407	0.0296	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	0	100		0	0.0321	0.0624	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	0	100		0	0.0289	0.0513	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	0	100		0	0.0295	0.0571	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	0	99.9966		0.0114	-0.0026	0.0114	0.0124
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	0	100		0.0263	0.0402	0.0247	0.0126
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	0	100		0.055	-0.0097	0.0518	0.0133
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	0	100		0	0.0509	0.0321	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	0	100		0.0271	0.0175	0.0054	0.0125
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	0	100		0.0439	0.0664	0.031	0.0283
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0	0	100		0.0364	0.0548	0.0351	0.0002
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	0	100		0.0571	0.0293	0.0336	0.0381
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	0	100		0	0.0316	0.1438	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	0	100		0	-0.0066	0.084	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	0	100		0	0.0399	0.0586	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	0	100		0	0.071	0.0683	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	0	100		0	0.0245	0.0245	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	0	100		0	0.036	0.0323	0
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	0	100		0.0099	-0.0224	0.0086	0.0344
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	0	100		0	0.0009	-0.0031	0.0268
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	0	100		0.0993	-0.004	0.0697	0.0581
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	0	100		0.0503	-0.0618	0.0464	0.0545
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	0	100		0.0097	0.0096	0.0091	0.0097
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	0	100		0	0.0107	0.0087	0.0223
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	0	100		0.0342	-0.0751	0.0342	0.0331
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0	100		0	0.0261	0.026	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	0	100		0.0485	-0.0702	0.0484	0.0515
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	0	100		0	0.0235	0.0225	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	0	100		0	0.0296	0.0282	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	0	100		0	0.022	0.022	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	0	100		0.0461	-0.0624	0.0409	0.0548
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	0	100		0.004	0.0038	0.0027	0.0348
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	0	99.8372		0	0.0221	0.0221	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	0	99.9757		0	0.0152	0.015	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0	100		0	0.0056	0.0056	0.0322
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	0	100		0	0.0811	0.0811	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	0	100		0.0204	-0.0283	0.015	0.0304
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	0	100		0.0191	-0.0236	0.0174	0.0177
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	0	100		0	0.0278	0.0277	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	0	100		0.0054	0.0053	0.0042	0.0203
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	100		0	0.0135	0.0135	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	0	100		0	0.0256	0.0243	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	0	100		0	0.016	0.0129	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0	100		0	0.0516	0.0484	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	0	100		0	-0.0246	0.0693	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	0	99.9652		0.0055	0.0055	0.0055	0.0012
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0	100		0	0.0076	0.0076	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0	99.9406		0.0098	0.0098	0.0098	0.0064
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	99.8299		0.0072	0.0072	0.0072	0.0126
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0	0	99.8912		0.0091	0.0091	0.0091	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0	99.8947		0.0083	0.0083	0.0083	0.0015
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	0	100		0	0.0695	0.0666	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	0	100		0	0.0241	0.0208	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	0	100		0	0.029	0.0269	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	0	99.7793		0	0.0042	0.0042	0.0225
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	0	99.778		0	-0.0359	0.0351	0.0472
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	0	100		0	0.0259	0.0255	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	0	100		0	0.0244	0.0217	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	0	100		0	0.0263	0.0254	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	0	100		0.0374	-0.0591	0.0339	0.043
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0	100		0	0.0079	0.0074	0.0301
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0	100		0	0.0138	0.0122	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	0	100		0	0.0062	0.0045	0.0249
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	0	100		0	0.0263	0.0239	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0	100		0	0.0262	0.024	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	0	99.9475		0.0334	-0.0709	0.0334	0.0269
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0	99.9186		0	0.0093	0.0093	0.0297
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	0	99.7457		0	-0.0012	-0.0012	0.0288
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	0	99.9149		0	0.0037	0.0037	0.0296
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	0	100		0.0057	0.0057	0.0052	0.0057
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	0	99.9994		0	0.075	0.068	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	0	100		0	-0.0229	0.0664	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	0	99.9564		0.017	-0.0313	0.017	0.0196
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	0	100		0.0083	0.0083	0.0083	0.0273
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0	100		0	-0.0003	-0.0022	0.029
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	0	100		0	0.0236	0.02	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	0	100		0.006	0.0031	0.0053	0.0059
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	0	100		0	0.0139	0.0091	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0	99.7727		0.0129	0.0211	0.013	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0	100		0.0087	0.0043	0.0083	0.0113
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0	100		0	0.0267	-0.007	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0	100		0	-0.0395	0.0613	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0	100		0	-0.0285	0.0929	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	0	100		0	0.0269	0.0223	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0	100		0	-0.0222	0.153	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	0	100		0	0.0066	0.0034	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	0	100		0.0555	-0.0457	0.0417	0.012
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	0	100		0	0.0194	0.0171	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	0	100		0	0.0242	0.021	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	0	100		0	0.0683	0.0678	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	0	100		0.0084	-0.0021	0.0064	0.01
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	0	100		0.0082	-0.0041	0.0068	0.0109
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	0	100		0.0204	-0.0145	0.0177	0.0083
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	0	100		0	-0.015	0.0063	0.0144
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0	100		0	-0.022	0.0916	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	0	100		0	0.0004	0.0204	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	0	100		0	0.0115	0.0115	0.0022
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	99.9955		0	0.0057	0.004	0.0062
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	99.9402		0	0.0506	0.0506	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	100		0	0.0189	0.0176	0.007
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	0	100		0	0.0376	0.0352	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	0	100		0	0.0698	0.0671	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	0	100		0	0.0218	0.0202	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	0	99.6485		0	-0.0576	0.0708	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0	100		0	-0.059	0.1026	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	0	100		0.0112	0.0111	0.0102	0.0051
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	0	100		0	0.072	0.0721	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	0	100		0.005	0.0011	-0.0012	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	0	100		0	0.0111	0.0299	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	0	100		0	0.064	0.0549	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	0	100		0	0.0167	0.0155	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	100		0	-0.0074	0.0068	0.0059
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0	100		0	-0.0404	0.1015	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0	100		0	0.0202	0.0156	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0	99.9928		0	0.0212	0.0212	0.004
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	0	99.9191		0	0.043	0.043	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0	99.7736		0	0.0019	0.0019	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0	100		0	0.0149	0.0137	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0	100		0	0.0114	0.0082	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0	99.9706		0.0006	0.0006	0.0006	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0	99.991		0	-0.0002	-0.0002	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	0	100		0	0.0445	0.043	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	0	100		0.0261	-0.0203	0.0199	0.008
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	100		0	-0.027	0.0634	0
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	0	100		0	0.0557	0.0509	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	0	100		0.0296	-0.0289	0.0271	0.0217
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	0	99.8987		0.007	0.007	0.007	0.009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	0	99.9843		0.0095	0.0095	0.0095	0.0017

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0	0	100		0.0061	0.006	0.0053	0.0066
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	0	99.9409		0	0.0382	0.0382	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0	0	100		0.0348	-0.0496	0.0331	0.0088
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	0	100		0	-0.0064	0.0331	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	0	100		0	0.0061	0.0061	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0	0	100		0.0224	-0.0368	0.0213	0.0246
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	0	99.885		0	0.0002	0.0002	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0	100		0	-0.0477	0.1509	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0	99.732		0	0.009	0.009	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0	0	99.9321		0	0.0071	0.0071	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0	0	100		0	0.0161	0.0149	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0	0	100		0.0087	0.0087	0.0082	0.0148
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	0	0	100		0	-0.0111	-0.0127	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0	0	100		0	0.0137	0.012	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0	0	100		0	-0.0333	0.0691	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0	0	100		0	0.0015	-0.001	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0	100		0	-0.0494	0.0906	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0	100		0	0.017	0.0168	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0	0	100		0.0287	-0.0268	0.0287	0.0068
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0	0	99.9767		0	0.0086	0.0086	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0	0	99.9006		0.0009	0.0009	0.0009	0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	0	99.89		0	0.0043	0.0043	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	0.194	100		0	0.014	0.0116	0.0074
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	0	99.8126		0	0.0501	0.0501	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0	0	99.8632		0	-0.0181	0.0473	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	0	99.894		0	0.0002	0.0002	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0	0	99.9945		0	0.0027	0.0024	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	0	0	100		0.043	0.0007	0.0412	0.0222
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0.6533	0	100		0.0623	-0.0098	0.0622	0.0375
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	0	100		0	-0.0397	0.0589	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	0	99.9645		0	0.0342	0.0342	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	0	100		0	0.0209	0.018	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0	1.0702	100		0.0601	0.0596	0.0537	0.014
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0	0	100		0.0339	-0.0446	0.0319	0.0093
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	0	100		0	-0.0571	0.0887	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0	99.9728		0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	0	99.9443		0	0.0097	0.0097	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0	0	99.687		0	-0.0093	0.1168	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0	0	99.741		0.0089	-0.0088	0.0089	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0	0	100		0	-0.0393	0.0799	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0	0	100		0	0.0134	0.0115	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0	0	100		0	0.0657	0.0589	0.0655
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0	1.997	100		0	-0.0048	0.0337	-0.0198
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	0.0267	0	100		0.0616	-0.0249	0.0613	-0.0038
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0	0	100		0.0343	-0.0046	0.0363	0.034
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0.6439	0	100		0.0527	-0.0092	0.0341	-0.0271
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0	1.1432	100		0	-0.0495	0.0301	0.0084
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0	0	100		0.0319	-0.0284	0.0279	0.0318
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0	0	100		0.0201	-0.0444	0.02	0.0302

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	0	100		0.0232	-0.0315	0.0189	0.0484
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	0	100		0	-0.0322	0.022	0.0471
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	0	100		0	0.0118	0.009	0.0364
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	0	100		0	-0.0051	0.0204	0.0494
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	0	99.9248		0	-0.0317	0.0313	0.0313
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	0	100		0	-0.0181	0.0178	0.0365
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	0.2245	100		0.0292	-0.0369	0.0287	0.0103
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	0	100		0.0423	-0.028	0.0416	0.0423
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	0	100		0.0066	-0.0111	-0.0029	0.0287
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	0	100		0.0235	-0.0131	0.0234	0.0132
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	0	99.6495		0	-0.0219	0.0489	0.01
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	0	99.7593		0.0093	-0.021	0.0093	0.0204
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	0	100		0	-0.0264	0.0204	0.0205
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	0	99.9348		0	-0.0135	0.0278	0.0274
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	0	99.8003		0.0139	-0.0171	0.0139	0.0014
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	0	100		0	-0.0184	0.0246	0.0266
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	0.0747	100		0	-0.0173	0.0231	0.0148
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	0	100		0.021	-0.0166	0.021	0.021
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	0	100		0	-0.0404	0.0268	0.0192
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	0	100		0.0205	-0.0147	0.0203	0.0205
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	0	99.8282		0	-0.0246	0.0498	0.0428
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	0	100		0	-0.026	0.0257	0.0361
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	0	100		0.022	-0.0264	0.0215	0.022
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	0	99.848		0	-0.0222	0.0398	0.0201
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	0	100		0.0193	-0.0319	0.0113	-0.0149
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	0	100		0.0184	-0.027	0.0175	0.0331
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	0	100		0.0131	-0.0145	0.0129	0.0131
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	0	99.9007		0	-0.0174	0.0277	0.0277
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0	0	100		0	-0.029	0.0168	-0.0082
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	0	99.9003		0	-0.0166	0.0361	0.0359
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	0	99.9288		0	-0.0275	0.0302	0.0302
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	0	100		0	-0.0261	0.0461	0.0023
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	0	99.9325		0	-0.0132	0.0287	0.0287
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	0	100		0	-0.0254	0.0231	0.0295
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	0	99.9787		0	-0.0294	0.0296	0.0445
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	0	100		0.0314	-0.0323	0.029	0.0466
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	0	99.9611		0	0.0095	0.0095	0.0095
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	0	99.9343		0	0.0109	0.0109	0.0176
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	0	99.8345		0.0102	-0.0186	0.0102	0.024
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	0	99.9884		0	0.0108	0.0108	-0.0002
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	0	100		0	-0.0139	0.0126	0.0445
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	0	99.9655		0	-0.0087	0.0177	0.0282
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	0	100		0.0298	-0.0473	0.0276	0.0579
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	0	99.9491		0	0.0142	0.0142	0.0142
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	0	100		0.0179	-0.0404	0.0158	0.0465
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	0	100		0.026	-0.0398	0.0248	0.0476
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	0	100		0.0214	-0.0534	0.0184	0.0568
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0	0	100		0	-0.0375	0.0165	0.009
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	0	100		0	0.0156	0.0129	0.0439

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	0	99.6599		0	-0.0503	0.0444	0.0568
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0.6583	0	100		0	-0.0126	0.0293	0.0415
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	0	100		0.0189	-0.0099	0.0139	0.0268
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	0	100		0.0208	-0.0443	0.0181	0.0503
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	0	100		0.0018	-0.0089	-0.0027	0.0473
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	0	100		0.0047	-0.0106	-0.0172	0.0709
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	0	100		0.011	-0.0115	0.0057	0.1127
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	0	100		0.0348	-0.0174	0.0336	0.0347
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	0	100		0.0272	-0.0535	0.0272	0.0245
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	0	100		0	-0.0074	0.0285	0.0052
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	0	100		0.0209	-0.0082	0.0167	0.0048
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	0	100		0.0176	-0.0111	0.0126	0.0175
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0	0	100		0.0262	0.0261	0.023	0.0746
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	0	99.8681		0.0288	-0.0558	0.0288	0.0187
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	0	100		0.0334	-0.0464	0.0291	0.017
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	0	100		0	-0.0042	-0.002	-0.0006
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.164	0	100		0	-0.0118	-0.0172	-0.0166
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	0	100		0.0272	-0.0122	0.0246	0.0304
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	0	100		0	-0.0097	0.0163	0.0381
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	0	100		0.0035	-0.0153	-0.0009	-0.0282
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	0	100		0	0.0523	0.0523	0.056
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	0	99.9513		0	0.0162	0.0162	0.0162
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	0	100		0	0.0888	0.0888	-0.0054
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	0	99.9069		0	-0.0006	-0.0006	0.0385
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	0	99.9039		0.003	0.003	0.003	0.0321
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	0	100		0.0045	0.0045	0.0045	0.0306
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	0	100		0	-0.0012	-0.0049	0.0506
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	0	99.8456		0.007	0.007	0.007	0.0269
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	0	100		0.0393	-0.0689	0.0359	0.0635
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	0	100		0	-0.0014	-0.0047	0.0496
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	0	100		0	-0.0046	-0.0047	0.0478
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	0	100		0	0.0578	0.0567	-0.0058
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	0	100		0	-0.0065	-0.0065	0.0551
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	0	100		0.006	0.0059	0.0049	0.0304
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	0	99.9832		0	-0.0026	-0.0027	0.0427
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	0	100		0.004	0.0036	-0.0003	0.0537
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0	0	100		0	0.0761	0.0753	-0.0059
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	0	99.9088		0.0033	0.0033	0.0033	-0.0035
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	0	100		0	-0.0027	-0.0027	0.0459
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	0	100		0.0316	-0.0529	0.0286	0.0639
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	0	100		0.0281	-0.0288	0.0258	0.0202
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	0	100		0	0.0571	0.055	-0.005
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	0	100		0.0204	-0.0472	0.0204	0.0556
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	0	100		0	0.0072	0.0059	0.0276
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	0	100		0	-0.0051	-0.007	0.044
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	0	100		0	0.0291	0.026	-0.003
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	0	99.8544		0.0198	0.0198	0.0198	0.0568
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	0	99.94		0.0039	0.0039	0.0039	0.0374
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	0	99.8665		0	-0.0033	-0.0033	0.033

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	0	99.668		0	0.0018	0.0018	0.0324
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	0	100		0.0069	0.0066	0.0035	0.0417
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	0	99.9908		0.0296	0.0296	0.0296	0.0683
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	0	100		0	0.0141	0.0122	0.0515
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	0	100		0.0266	-0.0322	0.0244	0.0517
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	0	100		0.0346	0.0345	0.0329	0.0596
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	0	100		0.001	0.0032	-0.0035	0.0413
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	0	100		0	0.0105	0.009	0.0292
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	0	100		0.0024	0.002	-0.0023	0.0561
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	0	100		0.0009	0.0005	-0.0039	0.0413
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	0	99.9249		0	0.0356	0.0356	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	0	100		0	0.0004	-0.0003	0.0298
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	0	100		0	0.0224	0.0201	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	0	100		0.0034	0.0032	0.0018	0.0278
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	0	100		0	0.0245	0.0245	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	0	100		0.0531	-0.0576	0.0464	0.0487
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	0	100		0	0.0233	0.0236	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	0	100		0.0042	0.0041	0.003	0.0403
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0	0	100		0	0.0733	0.0704	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0	0	99.9293		0.0211	-0.0434	0.0211	0.0192
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	0	100		0.0288	-0.0621	0.0278	0.0396
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	0	99.6372		0	-0.0018	-0.0018	0.0323
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0	0	100		0.0369	-0.0723	0.0321	0.0305
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	0	100		0.0194	-0.0409	0.0186	0.0194
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	0	100		0	0.0145	0.0134	0.0195
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	0	99.9311		0	0.0143	0.0143	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	0	100		0.0585	-0.057	0.0586	0.0496
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	0	100		0.0059	0.0058	0.0056	0.0249
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	0	100		0.0043	0.0043	0.0042	0.0289
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0	0	99.7378		0	-0.0459	0.0572	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	0	100		0.0353	-0.0818	0.0338	0.0447
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	0	100		0.0131	0.0129	0.0112	0.0259
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0	0	100		0.0474	-0.0299	0.0436	0.0441
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	0	99.8418		0	0.0013	0.0013	0.0428
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0	0	100		0	0.0703	0.066	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	0	100		0	-0.0521	0.0931	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	0	100		0	0.0265	0.0257	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0	0	99.7115		0	0.0825	0.0825	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	0	99.9562		0.007	-0.0207	0.007	0.0478
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	0	100		0.0109	-0.0202	0.0105	0.0415
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	0	99.2536		0	-0.0086	0.0098	0.0448
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	0	99.5627		0	-0.0328	0.0335	0.0243
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0	0	98.8746		0	-0.0205	0.0712	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	0	99.3884		0	-0.0053	0.0011	0.0294
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0	0	100		0	0.0148	0.0143	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0	0	99.5591		0	-0.0229	0.0246	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0	0	99.6345		0	0.0176	0.0176	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0	0	100		0	0.0001	0.0183	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	0	100		0	0.0179	0.0122	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0	0	99.9167		0.0085	0.0085	0.0085	0.0084
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	0	99.7246		0	0.0001	0.0001	0.0329
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0	0	98.7537		0	-0.038	0.0873	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	0	99.3944		0	-0.0045	-0.0045	0.0375
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	0	100		0	0.0108	0.0098	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	0	100		0.0332	-0.0622	0.0314	0.0295
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0	0	99.8273		0.0035	0.0035	0.0035	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	0	100		0	0.042	0.042	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	0	100		0	0.0091	0.0056	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	0	99.6354		0.0017	0.0017	0.0017	0.0283
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	0	100		0	-0.0319	0.0721	0
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	0	100		0.0059	-0.0307	0.0033	0.0417
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	0	100		0	0.0089	0.0075	0.0205
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	0	99.6335		0	0.0022	0.0022	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	0	100		0	0.0071	-0.0013	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	0	100		0	-0.0104	-0.0104	0.0264
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	0	100		0	0.0071	0.0071	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0	0	100		0.0058	0.0057	0.0057	0.0058
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	0	100		0	0.0065	-0.0001	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0.0914	99.7422		0	0.0421	-0.006	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	0	100		0	0.0236	0.0175	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	1	0	0	99.9933		0	-0.0042	-0.0064	0.0219
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AIKSi	2	0	0	100		0	0.0016	-0.0005	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	0	100		0	0.0095	0.0086	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	0	100		0	-0.0025	-0.0025	0.0191
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0	0	99.8581		0.0003	0.0003	0.0003	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	0	99.8215		0	-0.0152	-0.0152	0.0253
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	0	100		0	0.0092	0.0089	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	0	100		0	0.011	0.0012	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	0	100		0	0.0099	0.0069	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0	100		0	-0.0034	-0.0041	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	0	100		0.006	0.2235	-0.1553	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	0	100		0	-0.0025	-0.0024	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0	0	99.9952		0.0146	-0.0174	0.0146	0.0306
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	0	99.7536		0	0.006	0.006	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	0	100		0.0005	0.0003	-0.0011	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	0	99.2492		0	-0.0071	-0.0071	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	0	99.4617		0	-0.0633	-0.0001	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0	0	99.8871		0	0.0152	0.0152	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	0	100		0.0019	0.0019	0.0018	0.0019
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	0	99.9398		0	0.0066	0.0066	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	0	100		0	0.0064	0.0064	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	0	99.368		0	-0.0467	-0.0608	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	0	100		0	0.0121	0.0072	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	0	100		0	0.0103	0.0036	-0.0025
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	0	100		0	0.0216	0.0214	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	0	100		0	0.0135	0.0084	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0	100		0	0.0171	0.0084	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	0	100		0	0.009	0.0014	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	0	100		0	0.0222	0.0212	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	0	99.9606		0	-0.0004	-0.0004	0.0481
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	0	99.6647		0	-0.0703	0.061	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	0	100		0.0226	-0.049	0.0226	0.0361
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	0	100		0	-0.0016	-0.0044	0.0171
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	0	100		0	-0.0069	-0.0105	0.029
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	0	100		0	0.0071	-0.0017	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	0	100		0	-0.0026	-0.0042	0.0159
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	0	100		0	-0.002	-0.0059	0.0315
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	0	100		0	0.0025	-0.0061	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	0	99.5379		0	-0.0737	0.0735	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0	99.693		0	-0.0046	-0.0046	0.0414
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	0	100		0	0.0001	0.0001	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	0	100		0	-0.0108	-0.0139	0.0426
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	0	100		0	0.0079	0.0084	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	0	100		0	0.0114	0.0114	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	0	100		0	-0.0095	-0.0101	0.0324
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	0	100		0	0.0084	0.0083	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	100		0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	0	100		0	0.0055	-0.0033	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	0	99.9985		0	-0.0026	-0.0026	0.0434
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0	100		0	-0.0035	-0.0035	0.0179
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	0	100		0	-0.002	-0.0047	0.0389
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	0	100		0	-0.0089	-0.0135	0.032
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	0	100		0	-0.0067	-0.0097	0.023
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	0	100		0	-0.0023	0.0043	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	0	99.9408		0	-0.0068	-0.0068	0.0256
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	0	100		0	0.0049	0.0032	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	0	100		0.0023	0.0018	-0.0026	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	0	100		0	0.0017	-0.0014	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	0	100		0	-0.0699	0.0915	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	0	99.9244		0	0.0108	0.0108	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	0	99.8158		0	0.013	0.013	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0	99.8952		0	-0.0062	0.0275	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	0	98.5238		0	0.0033	0.0033	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	0	99.1162		0	0.0099	0.0099	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	0	100		0	0.0599	0.0598	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	0	99.9451		0	-0.0112	-0.0112	0.0253
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	0	100		0	0.003	0.0012	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	0	99.9942		0.0008	0.0008	0.0008	0.0008
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	0	99.9141		0	-0.0022	-0.0022	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0	100		0	-0.0015	-0.0015	0.0456
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	0	99.8463		0	-0.0071	-0.0071	0.0319
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	0	100		0	0.0062	0.0026	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	0	99.7533		0	-0.0025	-0.0025	0.0317
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	0	99.7327		0	-0.0039	-0.0039	0.0261
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0	99.3004		0	-0.0142	-0.0142	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	0	99.6701		0	-0.0036	-0.0036	0.0247
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	0	100		0	-0.0057	-0.0062	0.0141

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	0	100		0	-0.0093	-0.0095	0.0205
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	0	100		0	0.0059	0.0028	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	0	100		0	0.0046	0.002	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	100		0	0.0076	0.006	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0	99.6023		0	-0.0034	-0.0034	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	0	99.3322		0	-0.0075	-0.0075	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	0	99.5565		0	-0.0018	-0.0018	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0	99.8106		0	0.0002	0.0002	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0	99.8623		0	0.0097	0.0097	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	0	100		0.0033	0.0031	0.0002	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	0	100		0	0.009	0.009	0.0147
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	100		0	0.006	0.0035	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	0	100		0	0.012	0.0043	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	0	100		0	0.0125	0.0112	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	0	100		0	0.0089	0.0087	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	0	99.9493		0.0197	-0.0402	0.0197	0.0235
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0	99.5878		0	0.0788	-0.0547	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0	100		0	0.012	0.0106	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	0	100		0	0.043	0.0391	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	0	99.9055		0	-0.0003	-0.0003	0.0045
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0	100		0	-0.0509	0.0859	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	0	100		0	0.012	0.0096	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	0	100		0	0.0023	0.0011	0.0122
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	0	100		0	0.007	0.0032	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0	100		0	0.0194	0.0188	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	0	100		0	0.0069	0.0058	0.0105
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	0	100		0	0.0154	0.0095	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	0	99.8263		0	0	0	0.0068
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	0	99.7218		0	-0.0005	-0.0005	0.0067
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	0	100		0	0.0206	0.0205	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	0	99.9413		0	0.0085	0.0085	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	0	100		0	-0.0018	-0.0034	0.0117
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	0	100		0	0.0038	0.0014	0.0197
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0	0	99.9956		0	0.0031	0.0019	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0	99.9188		0	0.0212	0.0037	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0	99.8955		0	0.0509	-0.0381	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	100		0.0047	0.0078	0.0045	0.0031
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	0	100		0.0027	0.0025	-0.0001	0.0281
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	0	99.9754		0	0.013	0.013	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	0	100		0.0034	0.0032	0.0014	0.0079
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	0	100		0	0.009	0.0065	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	100		0	0.0051	0.0004	0.0078
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	100		0	0.0434	0.0426	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0	0	99.9959		0.0075	0.0155	0.0026	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0	99.8018		0.0018	0.0018	0.0018	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0	99.9218		0	0.0282	0.0091	-0.0012
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0	98.0386		0	-0.0552	0.0988	-0.0005
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	0	100		0.0322	-0.0101	0.0304	0.0441
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0	99.4799		0	-0.012	0.0228	0.0228

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	0	99.714		0	-0.0528	0.0832	-0.0018
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0	99.8977		0.0231	-0.0409	0.0231	0.0045
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0	99.9275		0	0.0131	0.0063	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0	99.8541		0	-0.0084	0.0136	0.013
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0	99.8952		0.0122	-0.0137	0.0122	-0.0017
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	0	99.9944		0.035	-0.0595	0.035	0.035
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	0	100		0	0.0276	0.0234	-0.0006
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0	100		0.0282	-0.0495	0.0266	0.0278
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	0	100		0.0272	-0.0713	0.0272	0.0454
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	0	99.9165		0	0.0232	0.0232	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	100		0.0371	-0.062	0.0367	0.0666
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0	99.9734		0.0084	0.0084	0.0084	0.0013
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	100		0	0.0217	0.0216	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0	100		0	0.0283	0.0255	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	0	99.8472		0	-0.0296	0.0686	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	0	100		0	-0.0527	0.0783	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	0	100		0.0125	0.0125	0.0125	0.0148
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0	0	100		0.0077	0.0076	0.0062	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0	99.702		0.0064	0.0064	0.0064	-0.0016
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	0	100		0.0287	-0.0527	0.0249	0.0518
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	0	100		0.0237	0.0236	0.0232	0.0721
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0	99.8019		0	0.0033	0.0033	0.036
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	0	100		0.0264	-0.0668	0.0246	0.0268
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	0	100		0.0031	0.0025	-0.0007	0.0575
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	0	100		0.0177	-0.0356	0.0125	0.0588
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0.5723	0	100		0.0124	-0.0085	-0.0025	0.1558
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	0	99.9736		0	0.0174	0.0174	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	0.0644	99.9899		0.0119	0.0119	0.0118	0.0073
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	0	100		0.0246	-0.0608	0.018	0.0963
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	0	100		0.0226	-0.0554	0.0193	0.0648
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	0	100		0.0033	0.003	-0.0011	0.0503
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	0	100		0.0212	-0.0432	0.0205	0.028
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	0	100		0.0282	-0.0755	0.0237	0.0558
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	100		0	-0.0039	-0.0089	0.0565
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	0	100		0.0415	-0.0281	0.0412	0.0415
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	0	100		0	0.0262	0.0208	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	0	99.9122		0	-0.039	0.0301	0.0301
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	0	100		0.0054	0.0053	0.0038	0.0376
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0	99.8996		0.0078	0.0078	0.0078	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	0.4903	100		0.0595	0.0595	0.0516	0.0381
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	0	100		0	0.0342	0.0284	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0	99.9129		0	-0.0036	-0.0036	0.0318
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	0	100		0.0021	0.0018	-0.0014	0.0431
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	0	100		0.0433	0.0039	0.0433	0.0583
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	0	100		0.0363	0.0038	0.034	0.0727
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	0	100		0.0333	-0.007	0.0332	0.0446
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	0	100		0.0334	0.004	0.0316	0.0526
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	0	100		0.0304	0.0075	0.0301	0.0304
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0	99.7002		0.0165	-0.0058	0.0165	-0.0086

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	0	100		0.0125	-0.0232	0.0061	0.0541
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	0	99.9043		0	0.0041	0.0677	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	0	100		0	-0.012	-0.021	0.1347
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0	0	100		0	0.0693	0.0641	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	0	100		0.0043	0.004	0.0009	0.0431
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	0	100		0	0.0292	0.0243	-0.0032
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0	100		0	0.0332	0.031	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	0	100		0.0083	0.0081	0.006	0.0436
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	0	100		0	0.0115	0.2895	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	100		0	0.0057	0.2154	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	0	100		0	-0.0001	0.1965	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	0	100		0.0082	0.0079	0.0051	0.0425
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	0	100		0.0214	-0.0755	0.0156	0.0879
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	0	100		0	0.0382	0.0363	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	0	100		0.0448	-0.0399	0.0448	0.0514
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	0	99.8499		0.0254	-0.0578	0.0254	0.003
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	0	99.8639		0	0.0233	0.0233	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	0	99.947		0	0.0171	0.0171	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	0	99.7915		0.0346	-0.0706	0.0346	0.0152
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	0	100		0.0406	-0.0588	0.0398	0.0766
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	0	100		0.0035	0.0032	-0.001	0.053
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	0	100		0	0.0231	0.0136	0
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0	99.9692		0.0086	0.002	0.1361	0.0167
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0	0	100		0	0.0313	0.0224	-0.0006
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0	0	100		0.0331	-0.0429	0.031	0.0375
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	0	99.9865		0.0045	0.0045	0.0045	0.0314
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	0	99.8635		0	0.0258	0.0258	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	0	99.9008		0	0.0678	0.0678	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	0	100		0	0.0395	0.0368	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0	99.9265		0	0.0204	0.0204	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	0	100		0.0266	-0.0174	0.0266	0.0134
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	0	99.6867		0	-0.0102	0.0829	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	0	100		0.0463	-0.0235	0.0367	0.0487
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	0	100		0.0301	-0.0201	0.0251	0.0109
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0	99.8616		0	-0.0189	0.053	-0.0028
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	0	100		0	-0.0144	0.0625	-0.002
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	0	99.9897		0.0258	-0.0191	0.0257	0.0258
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0	99.8282		0	-0.0267	-0.0051	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0	0	100		0	-0.0127	0.0551	0.0691
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0	0	100		0	-0.0214	0.0521	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	0	99.8041		0	-0.0207	0.0552	-0.0027
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	0	100		0	0.0322	0.0306	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	0	100		0.0239	-0.0547	0.0198	0.0422
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	0	100		0	0.0328	0.0324	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0	99.9441		0	-0.0228	0.0824	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0	0	100		0.0271	-0.0339	0.0254	0.0249
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0	0	100		0	0.0768	0.071	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	0	100		0	-0.0305	0.0551	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	0	100		0.0263	-0.0295	0.0263	0.0276

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	0	100		0	-0.0287	0.0141	0.0849
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	0	100		0.0171	-0.024	0.017	0.0406
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0	0	100		0	0.061	0.0523	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	0	100		0	0.0941	0.0828	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	0	100		0	-0.0126	0.0919	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	0	99.8058		0	-0.0176	0.0658	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0	99.68		0	-0.0119	0.1172	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	0	100		0.0314	-0.0168	0.0292	0.0397
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	0	100		0.0243	-0.0191	0.0168	0.0761
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	0	100		0	-0.0186	0.0471	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0	0	99.7064		0	-0.0245	0.0317	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	0	100		0	-0.0265	0.047	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	0	100		0.0203	-0.0247	0.0149	0.0384
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	0	99.9783		0	0.0301	0.0299	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	0	100		0	-0.0159	0.0883	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	0	100		0.0151	-0.0208	0.0118	0.0713
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	0	100		0	-0.0249	0.0923	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	0	100		0	-0.0119	0.0819	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	0	100		0.0326	-0.0161	0.0314	0.0375
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0	0	100		0	0.0556	0.0444	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	0	100		0.0438	-0.0578	0.0394	0.0311
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0	0	100		0	0.0966	0.0958	-0.0034
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	0	100		0.0064	0.0061	0.0024	0.0404
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	0	100		0	0.0445	0.0392	-0.0011
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	0	100		0.0303	-0.0411	0.0262	0.0389
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	0	100		0	0.0494	0.0438	-0.0023
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0	100		0.0701	-0.0122	0.0385	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	0	100		0	0.031	0.0247	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	0	100		0	0.0561	0.0486	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	0	100		0	-0.0371	0.0482	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	0	100		0.0203	-0.018	0.0142	0.0718
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	0	100		0.0285	-0.0359	0.0284	0.0285
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0	99.7903		0	-0.0153	0.0259	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	0	100		0	0.0435	0.0426	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0	100		0.0201	-0.0228	0.0201	0.0105
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	0	100		0.0285	-0.0245	0.0233	0.0377
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0	0	100		0	0.076	0.0737	-0.0046
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	0	100		0.0255	-0.0234	0.0218	0.0215
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	0	100		0	0.0427	0.0379	-0.0011
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	0	100		0	0.0363	0.0322	0
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	0	100		0	0.0392	0.0333	-0.0018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	0	100		0	0.0639	0.064	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	0	100		0	0.0289	0.0277	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	0	99.9011		0.0049	0.0049	0.0049	0.0246
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	0	100		0	0.0242	0.0242	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	0	100		0.0406	-0.0378	0.0377	0.0338
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	0	100		0	0.0163	0.0162	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	0	100		0	0.0135	0.011	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0	99.9432		0	0.0055	0.0055	0.0239

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	0	99.8525		0	-0.0124	0.0684	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0	100		0	-0.0402	0.1625	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0	0	100		0.0072	0.007	0.0049	0.0173
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	0	100		0	0.0237	0.022	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	0	99.9498		0.0041	0.0041	0.0041	0.0336
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	0	100		0	0.0469	0.0449	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	0	99.9121		0.0258	-0.0575	0.0258	0.0347
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	0	100		0	0.0059	0.0056	0.023
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	0	100		0	0.0197	0.0169	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	0	100		0	0.0165	0.0147	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	0	100		0	0.0129	0.0128	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	0	100		0	0.0435	0.0429	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	0	100		0	0.0314	0.0316	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	0	99.9556		0.0186	-0.0482	0.0186	0.0344
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	0	99.7388		0	-0.0269	0.068	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	0	100		0	-0.0303	0.1454	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	0	99.9859		0	0.0218	0.0218	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	0	100		0	0.0243	0.0229	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	0	100		0	-0.0458	0.1273	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	0	99.8186		0	0.0033	0.0033	0.0219
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	0	100		0	0.0228	0.0218	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	0	100		0	0.0391	0.0357	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	0	100		0	0.0146	0.0132	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	0	100		0.0024	0.002	-0.0021	0.018
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	0	100		0	0.018	0.0131	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	0	100		0.0029	0.0027	0.0005	0.0195
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	0	100		0.0334	-0.0362	0.0322	0.0688
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	0	100		0.0421	-0.031	0.0404	0.067
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	0	99.9577		0	-0.0085	-0.0088	0.0487
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	0	100		0	0.0279	0.0237	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	0	100		0	0.0205	0.0178	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	0	99.8708		0.036	-0.0572	0.036	0.0791
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	0	100		0.0398	-0.0628	0.037	0.0681
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	0	100		0	0.0245	0.0227	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	0	100		0	0.0276	0.0276	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	0	99.8515		0	-0.0094	-0.0094	0.0463
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	0	100		0.0411	-0.0545	0.0387	0.0731
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0	100		0	-0.0462	0.1649	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	0	100		0	0.012	0.0116	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	0	100		0.0018	0.0017	0.0005	0.0441
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	0	99.7645		0	-0.0042	-0.0042	0.0349
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	0	99.7164		0	-0.0059	-0.0059	0.0325
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	0	99.9915		0	0.0038	0.0038	0.0093
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0	100		0	-0.0633	0.1426	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	0	100		0.0155	0.0154	0.0146	0.0786
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	0	100		0	0.0242	0.0222	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	0	100		0	0.0302	0.0242	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	0	100		0	0.0174	0.0152	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	0	100		0	0.0867	0.0861	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	0	99.7286		0	0.0903	0.0903	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	0	99.8386		0	0.0205	0.0205	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	0	100		0	0.0454	0.0442	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	0	99.5282		0	-0.0198	0.1699	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	0	100		0	-0.011	-0.0132	0.0365
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	0	100		0.0246	-0.0257	0.0217	0.034
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	0	100		0.0162	-0.0402	0.0145	0.0365
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	0	100		0	0.0267	0.0266	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	0	98.4749		0	-0.0324	0.1786	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	0	99.8393		0	-0.0333	0.0717	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	0	100		0	0.0167	0.014	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	0	100		0	0.004	0.0012	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	0	100		0	0.0097	0.0082	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	0	100		0	-0.0527	0.0849	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	0	100		0.0029	0.0027	0.0014	0.023
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	0	99.7525		0	0.0063	0.0063	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	0	99.6149		0	-0.0427	0.0548	0.0279
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	0	100		0	-0.0388	0.0647	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	0	100		0.0345	-0.06	0.032	0.0462
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	0	100		0	0.0144	0.0127	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	0	100		0.0008	0.0005	-0.0029	0.0383
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	0	100		0	0.0194	0.0168	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	0	100		0	0.0103	0.0081	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	0	99.9681		0	0.0365	0.0365	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	0	100		0	0.0144	0.0097	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0	99.7146		0	0.0169	0.0169	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	0	100		0.0011	0.0009	-0.0011	0.0284
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	0	100		0.0041	0.0038	0.0006	0.0201
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0	0	99.3482		0	-0.0412	0.1638	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0	1.2652	100		0.0046	0.0317	0.0002	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0	0	100		0.0142	-0.0366	0.014	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	0	100		0	0.0302	0.0285	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	0	100		0	0.0408	0.0396	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	0	100		0	-0.0579	0.0867	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	0	99.9944		0	0.0261	0.0238	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	0	100		0	0.0213	0.0168	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0	0	100		0.0335	0.0334	0.0317	0.056
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	0	100		0	0.012	0.0102	0.0194
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	0	99.9709		0	-0.055	0.099	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	0	100		0	0.0227	0.0227	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0	0	98.3914		0	-0.0577	0.1989	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	0	100		0	-0.0519	0.0578	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	0	99.8873		0	-0.0463	0.0863	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	0	100		0.0008	0.0005	-0.0024	0.0342
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	0	100		0	0.0062	0.0062	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	0	100		0	0.0197	0.0171	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	0	100		0	-0.0305	0.0598	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	0	100		0	-0.0416	0.0745	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	0	100		0	0.0129	0.0126	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Norrishite	Balestraite	Total	Group	I_NH4	I_Na+	I_K+	I_Rb+
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0	0	99.845		0	0.007	0.007	0
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	0	99.9947		0	0.0156	0.0156	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	0.0064	-0.0051	0.0132	0.0088	-0.0004	0.0368	0	-0.0431
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	-0.0018	0.0012	0.0022	0.0005	-0.0006	0.0005	0	0.0003
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	-0.0034	-0.0078	0.0189	0.0073	0.0014	0.0319	0	-0.0275
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	-0.0087	-0.0058	0.0137	0.0032	0	0.0214	0	-0.0144
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0.0151	-0.0034	-0.0076	0.01	0.0043	-0.0013	0.0294	0	-0.0165
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	-0.0096	-0.0088	0.0074	-0.0025	0	0.0358	0	-0.0246
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0.0032	0.0028	-0.0066	0.0005	0.001	-0.0027	0.001	0	0.0007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	-0.0118	-0.0071	0.0101	0.0156	0.0018	0.0158	0	-0.0081
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0.0023	0.0022	-0.0075	0.0005	0.001	0	0.001	0	0.0009
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	-0.0055	-0.01	0.0137	-0.0021	-0.0007	0.0274	0	-0.0062
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0.0184	-0.0037	0.001	0.0135	-0.0068	-0.0015	0.0037	0	-0.0289
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0.0568	-0.0114	-0.0056	-0.0166	0.0071	-0.0008	0.1284	0	-0.0527
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0.0012	-0.0032	0.0006	0.0012	-0.0014	0.0012	0	0.0017
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	0.0009	0.0002	0.0077	0.0015	-0.0006	0.0015	0	-0.0017
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	-0.0042	-0.0057	0.017	-0.0002	0.0002	0.023	0	-0.0124
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0.1182	0.0388	0.0152	0.0115	0.0121	-0.0017	0.0051	0	-0.0717
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0.0289	-0.0092	-0.0004	-0.006	0.0076	-0.0022	-0.0109	0	-0.0057
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0.0392	-0.0033	-0.0086	0.0135	0.0008	-0.0003	0.0405	0	-0.036
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0.0226	-0.0052	-0.0067	0.0191	-0.0149	0	0.0688	0	-0.0433
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0.0232	-0.0047	-0.0058	0.0121	-0.0004	0	0.0456	0	-0.0315
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0.0614	-0.0066	-0.0104	-0.0464	0.015	0	0.049	0	-0.0306
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0.043	-0.0031	-0.0044	-0.0478	0.0029	0	0.0288	0	-0.0209
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0.0003	0.0006	-0.0019	0.0003	0.0006	-0.0006	0.0006	0	0.0009
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	-0.0033	-0.0044	0.002	0.0015	0	0.0015	0	-0.0038
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0.0685	-0.0035	-0.0099	-0.0635	0.0139	0	0.0521	0	-0.022
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0	0.0055	-0.0038	0.0002	0.0005	0	0.0022	0	-0.0019
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0.003	0.0113	-0.0017	-0.0046	0.0015	-0.0011	0.0036	0	-0.001
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	0.017	-0.0069	-0.0036	0.0241	0	0.0754	0	-0.0546
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	-0.0127	-0.0067	0.0162	0.0061	0.0024	0.033	0	-0.0212
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0.0134	-0.0064	-0.0088	0.0095	0.002	-0.0007	0.0164	0	-0.0094
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0.0082	-0.0215	-0.0068	0.0118	0.0029	-0.001	0.0324	0	-0.008
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0.0336	-0.0097	-0.0078	0.0183	0.007	0	0.0076	0	-0.0282
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0.0536	-0.0147	-0.0082	0.0284	-0.0007	-0.0013	0.055	0	-0.0511
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	0.0003	-0.0025	0.0057	0.0029	-0.0022	0.0029	0	-0.0013
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	-0.0045	-0.0078	0.0229	-0.004	-0.0011	0.0399	0	-0.0171
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0.0596	-0.0074	-0.0011	0.0259	-0.0095	-0.0029	0.107	0	-0.092
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	-0.0002	-0.0017	0.0186	-0.0038	0.0033	0.0153	0	-0.0151
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	-0.0022	-0.0019	0.0177	-0.0015	-0.0014	0.0081	0	-0.0066
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	-0.0003	0.0014	0.0234	-0.0036	0.0022	0.0004	0	-0.0091
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	-0.0008	-0.0002	-0.03	0.0514	0	0.0185	0	-0.0893
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	-0.0049	-0.0028	0.0022	-0.005	0	0.0478	0	-0.0378
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	0.0115	-0.0013	0.0332	0.0145	0.012	0.0532	0	-0.0433
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	0.0026	0.0012	0.0129	-0.0011	0.0049	-0.0017	0	-0.0034
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	-0.0001	0	0.0184	0.0139	-0.004	0.0079	0	-0.0163
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	-0.0033	-0.0006	0.025	-0.0013	0.0064	0.0167	0	-0.0135
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	-0.0035	-0.0011	0.0226	0.002	0.0008	0.0573	0	-0.0304
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	0.0182	-0.0006	0.024	0.0166	0	0.0167	0	-0.0359
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	0.0012	-0.0008	0.0104	-0.0027	-0.0018	0.0114	0	-0.0151
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0.0413	0.0058	-0.0017	0.0077	0.016	0	0.0129	0	-0.0316

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	-0.0011	0	0.0093	-0.0039	-0.0022	0.0076	0	-0.0183
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	-0.0024	-0.0016	0.0304	-0.0017	-0.0002	0.0692	0	-0.0519
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	-0.0012	0.0008	0.0032	-0.0012	-0.0001	-0.0098	0	-0.0194
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	-0.0014	-0.0009	0.0076	0.0001	-0.0016	0.0004	0	-0.0051
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0	-0.0008	-0.0005	0.021	-0.0004	-0.0008	0.0399	0	-0.0145
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0.0271	0.0111	-0.0004	0.0186	0.0083	-0.0012	-0.0001	0	-0.0163
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0.0048	0.0021	0.0065	0.0091	-0.0005	-0.0008	-0.0025	0	-0.0058
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0.0068	-0.0024	0.0009	-0.0003	0.0011	-0.0042	-0.0007	0	-0.001
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	-0.001	0.0082	-0.0218	0.0042	-0.0031	0.0051	0	-0.0106
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	-0.003	-0.0008	0.0225	0.0024	0.0015	0.0074	0	-0.0146
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0.0314	0.002	-0.0007	0.0567	0.0106	-0.0019	0.0033	0	-0.0262
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	-0.0006	0	0.0586	-0.0174	-0.0002	0.0383	0	-0.0453
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	-0.0016	-0.0016	0.0746	-0.0161	0.0204	0.0171	0	-0.0338
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0	-0.002	-0.0008	0.0413	0.0053	0.001	0.0365	0	-0.04
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0.0097	-0.0004	-0.0009	0.0336	0.0029	0.013	0.0068	0	-0.0077
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0.0236	-0.0008	-0.0007	0.0456	0.0097	0.0172	0.0172	0	-0.0112
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0.0082	-0.002	-0.0008	0.0605	-0.0112	0.0084	0.0158	0	-0.0221
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	-0.0016	0	0.0764	-0.0108	0	0.0289	0	-0.0483
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0	-0.0016	-0.0009	0.0214	-0.0026	0	0.0359	0	-0.0288
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	-0.0009	-0.0007	0.0733	-0.0102	-0.0008	0.0367	0	-0.0347
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0.0028	0	0	0.0557	-0.0102	0.0133	0.0114	0	-0.0235
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0.0051	-0.0009	0	0.054	-0.0118	0.0122	0.0035	0	-0.0215
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0.0042	-0.0005	-0.0004	0.0539	-0.0083	0.0069	0.0158	0	-0.0152
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0.0373	-0.0068	-0.002	0.0546	0.0095	-0.0007	0.015	0	-0.0314
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0.0262	0.0065	-0.0006	0.0571	0.0091	-0.0003	-0.0073	0	-0.027
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	0	-0.001	0.0477	-0.0149	0	0.0284	0	-0.0347
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	-0.0012	-0.001	0.0415	-0.0134	-0.0025	0.028	0	-0.0394
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	-0.0258	-0.0009	-0.0003	0.2414	0.1025	0.0732	0.0725	0	-0.1099
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0.0096	0.0072	0	-0.003	-0.003	-0.0058	-0.0051	0	-0.0082
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0.0534	-0.003	-0.0003	0.0623	0.0183	-0.0072	0.0183	0	-0.0256
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0	-0.0008	-0.0013	0.0462	0.0124	0.0042	0.044	0	-0.0503
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	0.0051	-0.0003	0.0649	-0.019	-0.0011	0.0024	0	-0.0169
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	-0.0021	-0.0022	0.0798	-0.0136	0.0234	0.0325	0	-0.0344
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	-0.0007	-0.0006	0.1055	-0.0146	-0.0014	0.0461	0	-0.0536
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	0	0	0.0755	-0.0119	0.0244	0.0052	0	-0.0294
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0.0305	-0.001	-0.0014	0.1545	0.1155	0.04	0.1114	0	-0.1043
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0.0311	-0.0005	-0.0002	0.0705	0.0182	0.0185	0.0183	0	-0.039
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0.0717	-0.0022	-0.001	0.0219	0.0155	0.0064	0.0752	0	-0.012
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0.0231	-0.0003	-0.002	0.0369	-0.0048	0.0488	0.0002	0	-0.0303
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	-0.0011	0	-0.0009	0.1252	-0.0153	-0.0025	0.0541	0	-0.0591
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	-0.0003	-0.0001	-0.0003	0.0985	-0.0161	0.0286	0.0344	0	-0.0252
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0	0	0.0028	0.0287	0.0013	0.0053	0.0297	0	-0.018
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0.0028	-0.0008	-0.0012	0.0539	-0.0085	0.014	0.0097	0	-0.0151
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	0	-0.0002	0.027	-0.0054	0	0.0417	0	-0.0278
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	-0.0011	-0.0001	0.0187	-0.0004	0	0.0368	0	-0.0125
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0.0156	0.0164	0.0026	-0.0035	-0.0006	0	-0.0027	0	-0.0067
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0.0077	-0.0003	0	0.0441	-0.0078	0.0118	-0.0096	0	-0.0169
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0.034	0.0562	0.0025	-0.0203	0.0107	-0.0025	-0.0407	0	-0.0185
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0.0224	0	-0.0003	-0.0027	-0.0004	0	-0.0054	0	-0.0081

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0.0254	0.0453	0.0032	-0.0163	0.0126	-0.0003	-0.0326	0	-0.0128
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0.0261	0.0358	0.0005	-0.0121	0.0141	-0.0019	-0.0024	0	-0.0145
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0.0131	0.0111	-0.0018	-0.002	-0.0007	-0.004	-0.004	0	-0.006
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0.0213	-0.0007	0.0011	-0.0039	0.0037	-0.0065	-0.0078	0	-0.0118
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	-0.0233	0.077	-0.0013	-0.1482	0.0995	-0.0068	0.1392	0	-0.189
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	-0.0019	-0.0003	0.0717	-0.022	-0.0003	0.0464	0	-0.0612
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0.0118	-0.0004	-0.0004	-0.0194	-0.0025	-0.0008	0.0148	0	-0.0169
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	0	-0.0011	0.0666	-0.0299	0.0191	0.0344	0	-0.0377
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0.0024	0	-0.0018	0.0608	-0.0141	0.0118	0.0208	0	-0.0281
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	-0.0005	-0.0014	0.0617	-0.0236	-0.0029	0.0425	0	-0.0505
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	0.0343	-0.0036	-0.0223	0.0344	0	0.1056	0	-0.1052
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	-0.0001	-0.0048	-0.0254	0.0381	0	0.0971	0	-0.0676
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	-0.0009	-0.0041	0	-0.0049	0	0.1262	0	-0.0558
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	-0.0012	-0.0045	-0.0354	0.0012	0	0.1126	0	-0.0366
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0.0714	-0.0022	-0.0022	-0.0102	0.0099	-0.0004	0.1613	0	-0.0668
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0.0937	-0.0032	0	-0.0064	0.0543	0	0.029	0	-0.064
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0.0641	-0.0028	-0.0019	-0.0273	0.0445	0	0.0339	0	-0.0497
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	-0.0018	-0.0028	-0.0677	-0.0032	0	0.1714	0	-0.0388
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0.112	-0.0005	-0.0009	-0.0187	-0.0002	0	0.1995	0	-0.1116
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0.0571	-0.0004	-0.0015	0.022	-0.013	-0.0021	0.1968	0	-0.0872
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0.0834	-0.0042	-0.0013	0.0417	-0.0034	-0.0012	0.1866	0	-0.0884
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0.0716	-0.0034	-0.0036	0.0468	-0.0057	-0.0022	0.1746	0	-0.0818
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0.0571	-0.0041	-0.0046	0.0677	-0.0147	0	0.1352	0	-0.0528
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0.0114	0.0049	-0.0036	0.0015	0.003	-0.0013	0.003	0	-0.0035
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0.0263	-0.0014	-0.0034	-0.002	-0.0269	-0.003	0.0762	0	-0.0487
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0.055	0.0234	-0.0035	-0.0349	0.0127	-0.0012	0.0322	0	-0.0241
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	-0.0049	-0.002	0.0326	-0.0104	-0.0019	0.1171	0	-0.0656
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0.0271	-0.0017	-0.0044	0.0213	-0.0135	-0.0021	0.1458	0	-0.0704
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0.0439	-0.0023	-0.0017	-0.0169	-0.0103	-0.0022	0.0668	0	-0.0421
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0.0364	0.0509	-0.0002	-0.0584	-0.0095	-0.0014	-0.0022	0	-0.0217
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0.0571	-0.0013	-0.0033	-0.0121	0.004	0	0.124	0	-0.0673
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	-0.0013	-0.0007	-0.0363	0.0212	-0.0007	0.1162	0	-0.0719
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0.0941	-0.0017	-0.002	-0.0049	0.0568	-0.0005	0.0304	0	-0.0642
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0.0773	-0.0056	-0.003	0.0414	-0.0034	-0.0002	0.1796	0	-0.0753
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	-0.0011	-0.0007	-0.0138	0.001	0	0.0433	0	-0.0293
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	-0.0008	0	-0.0004	-0.0382	-0.0003	0	0.0546	0	-0.0087
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	-0.0014	0	0.0213	-0.0063	0	0.0466	0	-0.0311
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0.0099	-0.0003	-0.0003	-0.0001	0.0269	0	0.0243	0	-0.0223
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0.001	-0.0009	-0.0006	0.0145	0.0409	0	0	0	-0.0152
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	-0.0028	-0.0007	0.0442	0.0215	0	0.1445	0	-0.1
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0.0503	0	0	0.0168	0.021	-0.0034	0.0419	0	-0.0279
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	0.0085	0.0034	-0.0014	-0.0003	-0.0024	-0.0025	0	-0.0048
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	-0.0004	-0.0003	0.0014	-0.002	0	0.0422	0	-0.0117
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0.0342	0.0299	0.0107	-0.0064	0.0184	-0.0008	-0.0148	0	-0.0171
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0.0156	0.0012	0.0005	0.0207	0	0.0036	0	-0.0097
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0.0485	0	-0.0018	0.0369	0.0148	-0.0002	0.0339	0	-0.0312
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	-0.0005	-0.0011	0	0.0264	-0.0094	0.0246	0.0091	0	-0.0262
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	-0.0009	0	0.0397	-0.0176	0	0.0167	0	-0.0227
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	-0.0018	0	0.0352	-0.0128	0.0314	0.0128	0	-0.029

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0.0461	-0.0006	-0.0013	0.035	0.0149	-0.0034	0.0517	0	-0.0383
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0.004	-0.0002	0	0.0428	-0.0096	0.008	0.0111	0	-0.02
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	-0.0001	-0.0017	-0.0017	0.0189	0	0.0085	0.0067	0	-0.0074
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	-0.0007	-0.0014	-0.0011	0.0285	-0.0078	-0.0006	0.0191	0	-0.0185
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	0	-0.0002	0.04	-0.0099	0.0057	0.0051	0	-0.0184
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	-0.0004	-0.0025	-0.0012	0	-0.0035	-0.0003	0.0591	0	-0.0329
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0.0204	-0.001	-0.0005	0.0304	0	-0.0008	0.0292	0	-0.0343
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0.0191	-0.0011	0	0.0177	0.0039	0	0.0076	0	-0.0177
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0.0278	0	0	0.0332	-0.0085	0.0049	-0.0107	0	-0.0236
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0.0054	-0.0016	-0.0006	0.024	-0.0053	0.0005	0.0073	0	-0.0132
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	0	-0.0001	-0.0172	0.0208	0	0.0208	0	-0.0124
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	-0.0005	0	0.0267	-0.0102	0.0248	0.0085	0	-0.0286
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	0	-0.0011	0.0297	0.0072	0.0072	0.0098	0	-0.0224
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	0	-0.0015	0.0499	-0.0178	-0.0012	0.0322	0	-0.054
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	-0.0001	-0.0015	0.065	0.0074	0.0106	0.0411	0	-0.0497
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0.0055	0.0102	0.0019	-0.0039	-0.0008	-0.0001	-0.0079	0	-0.0032
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	0	0	0.0022	-0.0091	0	0.0587	0	-0.0178
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0.0132	0	-0.0036	-0.0003	-0.0037	-0.0002	0	-0.0038
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0.0072	0.0127	0	0.0162	0.0102	0.0041	0.0102	0	-0.0081
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0.0091	0.0193	0.0021	-0.0073	0.0134	0	0.0029	0	-0.0044
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0.0165	-0.0005	-0.0054	0.0002	-0.002	0.0029	0	-0.0025
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	-0.0008	0	-0.0043	0	-0.0016	0.0489	0	-0.0308
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	-0.0009	0	0.0344	-0.0084	0.0062	0.0276	0	-0.0297
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	-0.0006	-0.0002	0.0163	0.0016	0.0012	0.0117	0	-0.0193
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0.0042	-0.0004	-0.0003	0.0407	-0.0066	0.0142	-0.0164	0	-0.0123
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	-0.0014	-0.0004	0	0.0477	0.0086	-0.0015	-0.0147	0	-0.021
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	-0.0008	0	-0.0009	0.0466	-0.0073	-0.0011	0.0136	0	-0.0218
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	-0.0013	0	0.0469	-0.0173	0.0442	0.0178	0	-0.0434
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	-0.0006	0	0	0.0467	-0.0076	-0.0015	0.0177	0	-0.0236
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0.0374	0.0141	0	0.043	0.0083	-0.0019	-0.0075	0	-0.0387
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	0	-0.0005	0.0379	-0.0083	0.0069	-0.0022	0	-0.0175
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	0	0	0.0492	-0.0098	0.0141	0.0073	0	-0.0249
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	-0.0001	-0.0006	0.0253	-0.0054	-0.0005	0.0156	0	-0.0152
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	-0.0011	-0.0001	0.0636	-0.0118	0	0.0332	0	-0.0345
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	0	-0.0018	0.0372	-0.0123	-0.0001	0.0251	0	-0.0345
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0.0334	0.0196	-0.0004	0.0269	0.0163	-0.0002	-0.0049	0	-0.0187
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	0	-0.0002	0.0402	-0.0067	0.0066	-0.0007	0	-0.0142
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	0	-0.0012	0.0539	-0.0077	0.0207	-0.0062	0	-0.0124
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	-0.0005	0.0054	0.0493	-0.0058	0.0179	-0.006	0	-0.011
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0.0057	0.0048	0.002	-0.0011	-0.0005	0	-0.0019	0	-0.0038
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	-0.0001	-0.001	-0.0005	-0.0113	0.0004	-0.0019	0.074	0	-0.0405
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	0.0059	-0.0008	0.0383	0.0109	-0.0011	0.0274	0	-0.0402
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0.017	0.0018	-0.0003	0.0196	0.0081	-0.0032	0.007	0	-0.0082
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0.0083	0	-0.0014	0.0289	-0.0081	0.0017	0.0023	0	-0.0166
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	0	-0.0014	0.0376	-0.0088	0.0076	0.0136	0	-0.0193
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	-0.0007	-0.0002	0.0256	0.009	0.0204	0.0103	0	-0.0335
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0.006	0.0024	0.0026	0.0059	-0.001	-0.0011	-0.001	0	-0.0056
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	-0.0043	-0.001	0.0214	-0.0066	0.0037	0.0415	0	-0.0222
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0.0129	0.0178	0.0178	0.0259	0.0097	0.0002	0.0097	0	0.0145

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	0.0023	-0.003	0.0113	-0.0032	0.0178	-0.0032	0	-0.0104
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0.0173	0.0054	-0.0095	-0.0049	-0.0019	-0.0123	0	0.0049
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	0.019	0.0009	0.0279	0.0145	0.0067	0.0126	0	-0.0311
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	0.0173	-0.0026	0.0243	0.0146	-0.0005	0.0317	0	-0.0523
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	-0.0032	-0.0016	0.0126	-0.0029	0	0.0328	0	-0.024
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	0.0167	0.0018	-0.0106	0.0377	-0.0018	0.0472	0	-0.0775
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	-0.0039	-0.0024	0.042	-0.0066	0.0028	0.0388	0	-0.0195
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0.0555	-0.0009	-0.0019	-0.0176	0.0173	-0.0002	0.0305	0	-0.0371
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	-0.0013	-0.0034	0.0309	-0.0056	0.0006	0.0296	0	-0.0208
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	-0.0031	-0.0012	0.0208	-0.0044	-0.0004	0.0329	0	-0.0229
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	-0.0007	-0.0023	-0.0025	-0.0073	-0.0112	-0.0036	0.1408	0	-0.0425
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0.0084	0.0015	0.0005	0.01	-0.0014	0.01	-0.0012	0	-0.0113
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0.0082	0.0019	0.0034	0.0128	0.0004	-0.0033	0.0005	0	-0.0082
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0.0204	-0.0003	-0.0022	0.0293	0.0028	-0.0021	0.0279	0	-0.0187
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0.0132	-0.0015	-0.0019	0.0144	0.0005	-0.0004	0.0482	0	-0.0252
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	0.0193	-0.003	0.0311	0.015	-0.0014	0.0297	0	-0.0488
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	-0.0028	-0.0017	0.0141	0.0026	0.0018	0.0417	0	-0.0167
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	-0.0037	-0.0009	0.0248	-0.0039	-0.0001	0.0334	0	-0.0103
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	0	-0.0005	0.0293	-0.0023	-0.0009	0.0264	0	-0.0092
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	0	-0.0004	0.0107	-0.0033	-0.0011	0.0016	0	-0.0224
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	0	-0.0003	0.0116	-0.0013	-0.0013	0.0153	0	-0.0115
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	-0.0025	0	0.0012	-0.0022	-0.0033	0.0239	0	-0.0216
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	-0.0004	-0.0007	0.011	-0.0003	-0.0006	0.0352	0	-0.0306
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	-0.0004	0	0.0177	0.0006	0	0.0249	0	-0.0097
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0.0708	-0.0013	0.0043	-0.0071	0.0271	-0.0026	-0.0141	0	-0.0212
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	0.0367	-0.0002	0.0255	0.0291	-0.001	0.0269	0	-0.0436
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0.0112	-0.0001	0	0.0051	-0.0008	-0.0002	0.0066	0	-0.0072
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	-0.0023	0	-0.0069	-0.0009	0	0.0222	0	-0.0274
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0.005	-0.0004	-0.0016	0.0167	-0.0006	-0.0024	0.0401	0	-0.0138
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	-0.0009	0	0.0222	0.001	-0.002	0.0315	0	-0.0218
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	-0.0013	-0.0004	0.026	-0.0048	0	0.061	0	-0.0459
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	-0.0008	-0.0013	0.0209	0.0012	-0.0009	0.0249	0	-0.0062
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	0	0	0.0293	0.0013	0	0.0539	0	-0.0192
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	0.0239	-0.0017	0.0056	0.0216	-0.0007	0.0343	0	-0.0592
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	0	-0.0004	0.0082	-0.0039	-0.0021	0.0316	0	-0.0233
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	0.0043	-0.0005	0.004	-0.0013	-0.0018	0.0077	0	-0.0094
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	-0.0003	0	0	0.009	-0.003	-0.004	0.0003	0	-0.0194
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0.0019	0.0031	0.0236	0.0004	-0.0002	0.0004	0	0.0005
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	-0.0014	-0.0005	0.0073	-0.0003	-0.0025	0.011	0	-0.0082
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	0	0	0.0154	-0.0031	-0.0026	0.0287	0	-0.0158
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0.0006	0.0012	0.0041	0.0047	0.0012	0	0.0012	0	0.0019
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0.0009	0	0.0025	0.0024	-0.0013	0.0024	0	0.0036
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	-0.0013	-0.0018	0.0217	0.0041	-0.0012	0.0078	0	-0.0287
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0.0261	0	-0.0006	0.008	0.0042	-0.0013	0.0327	0	-0.0301
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	-0.0003	-0.001	0	0.0171	-0.0035	0.0378	0	-0.0324
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	-0.0028	-0.0003	0	-0.0058	-0.0014	0.0407	0	-0.0396
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0.0296	0.011	0.0042	0.0217	0.0051	-0.0006	-0.0021	0	-0.0257
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0.007	0.0047	-0.0006	0.0122	-0.0021	-0.0012	-0.0035	0	-0.0058
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0.0095	0.0088	-0.0007	-0.0013	-0.0001	-0.0022	-0.002	0	-0.0033

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	4	0.0061	0.0015	0	0.0066	-0.0003	-0.0028	0.0019	0	-0.0043
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_1_mica	5	0	-0.0017	0.0045	-0.0375	0.013	0	0.013	0	-0.007
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	1	0.0348	0.0268	0	0.0088	0.0114	0	-0.0127	0	-0.0245
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	2	0	-0.0005	0	0.0007	0.0165	0	0.0169	0	-0.0212
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	3	0	0.0055	0.0015	-0.0006	0.0002	-0.0011	-0.0011	0	-0.0017
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	4	0.0224	-0.0007	0	0.0246	0.0069	0	0.0074	0	-0.0178
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_2_mica	5	0	0.0188	0.0043	-0.0098	-0.0005	-0.0026	-0.0196	0	-0.0009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	1	0	0.0464	-0.0016	-0.0004	0.04	-0.0015	0.0547	0	-0.0499
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	2	0	0.032	0	-0.0125	0.0083	0	0.0105	0	-0.0019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	3	0.0071	-0.0056	0.0011	-0.0001	0.0013	-0.0008	-0.0001	0	-0.0002
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	4	0.0163	-0.0017	0.0019	-0.0014	0.0014	-0.0006	-0.007	0	-0.0061
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	5	0.0087	0.0014	0	0.0152	-0.0031	-0.0015	-0.0007	0	-0.009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	6	-0.0008	0.0348	0.0216	-0.0217	-0.0003	-0.0038	-0.033	0	-0.0004
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_3_mica	7	0.014	-0.0014	0.0015	-0.0013	0.0014	-0.0023	-0.0079	0	-0.0064
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	2	0.0737	0.0663	0.0233	-0.0153	0.016	-0.0009	-0.0207	0	-0.0437
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	3	0.0017	0.0282	0.0061	-0.0138	0.0009	-0.001	-0.0159	0	-0.0041
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	4	0	0.0356	0.0017	0.0083	0.0232	-0.0006	0.0179	0	-0.0447
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_4_mica	5	0	0	0.0026	0.0039	0	0	-0.0001	0	-0.0063
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	1	0.0287	0.0163	-0.005	0.0068	0.0077	-0.0028	-0.0028	0	-0.0152
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	2	0.0086	0.0027	0.0007	0.02	-0.0024	0.0066	-0.0009	0	-0.0068
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	3	0.0009	0.0115	0.0004	0.012	-0.001	0.0045	-0.0126	0	-0.002
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	4	0	-0.0009	0.0018	0.0275	-0.0027	0.0108	-0.0008	0	-0.0059
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_5_mica	5	0	-0.0073	-0.0039	0.0196	-0.0007	-0.0018	0.0291	0	-0.0103
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	1	0	-0.0029	0	0.0077	-0.0014	0	-0.0044	0	-0.019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	2	0.0473	-0.0018	0.0138	-0.0444	0.0107	-0.0006	-0.0357	0	-0.0197
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	3	0	-0.0007	0.0075	0.0132	-0.0004	-0.002	0.0017	0	-0.0007
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	4	0.0027	0	0.0099	0.0001	0.0015	-0.0036	-0.0113	0	0.0009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_6_mica	5	-0.0006	0.0089	-0.0018	0.0083	0.0075	-0.0036	0.0185	0	-0.0185
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	1	0.0623	-0.0028	-0.0009	-0.0848	0.0126	0	0.0808	0	-0.0238
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	2	0	0.0555	0.0182	-0.006	0.0224	-0.0019	-0.011	0	-0.0203
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	4	0	-0.0033	0	0.0162	-0.0037	-0.0021	0.0064	0	-0.0175
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_7_mica	5	0	-0.0035	-0.0003	0.0236	-0.0077	-0.0015	0.0354	0	-0.0281
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	1	0.0601	0.0133	-0.0028	-0.039	-0.0037	0	0.0187	0	-0.0441
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	2	0.0339	0.0501	0.0145	-0.0163	0.0132	0	-0.0187	0	-0.02
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	3	0	0.0283	-0.0036	0.0224	0.0233	-0.0003	0.0215	0	-0.0429
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	4	0	0.0001	-0.0006	0.0019	0.0001	0	0.0001	0	0.0001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_8_mica	5	0	-0.0029	-0.0001	-0.0008	0.0076	0	0.0076	0	-0.0023
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	1	0.1168	-0.0077	-0.0012	-0.0136	0.0242	0	-0.0271	0	-0.0407
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	2	0.0089	0.0332	0	-0.0135	0.0036	-0.0025	-0.0271	0	-0.0028
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	3	0.0836	-0.0051	-0.0005	-0.0773	0.0349	0	0.0353	0	-0.0177
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GffUR_9_mica	4	0.0136	-0.0065	-0.0015	0.0109	0.0223	0	0.0226	0	-0.014
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	1	0.0359	-0.0033	0	0.0124	-0.0036	-0.0058	0.0145	0	-0.0512
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	2	0.0537	-0.0027	-0.0002	-0.0834	0.016	-0.0049	0.0985	0	-0.038
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	3	-0.0024	-0.0009	-0.002	-0.0189	0.0936	0	0.0936	0	-0.0565
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	4	0.0306	0	0.0059	-0.0114	0.0241	-0.0048	0.0074	0	-0.0324
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	5	0.028	-0.0018	-0.0004	-0.0624	0.0567	0	0.0813	0	-0.0568
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_1_mica	6	0.0678	-0.0004	0.017	0.0075	0.1202	-0.0052	0.0418	0	-0.1102
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	1	0.0319	0.0275	0.0112	-0.0088	0.0105	-0.0089	-0.0109	0	-0.0195
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	2	0.0201	0.0097	-0.0017	0.0099	0.0104	-0.0005	-0.0005	0	-0.011

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	-0.004	-0.0009	0.0097	0.0243	0.0072	0.0075	-0.0048	0	-0.0195
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0.0223	-0.0005	-0.0009	0.0241	0.0378	0.0099	-0.0002	0	-0.0266
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0.012	-0.0009	0	0.0227	0.0364	0.0141	-0.0008	0	-0.0277
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0.0117	-0.0012	0	0.0338	0.0188	0.0161	0.0229	0	-0.04
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0.0313	-0.0009	0.0015	-0.0034	0.0127	-0.0068	-0.0068	0	-0.0102
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0.0183	-0.0012	-0.0006	0.0195	0.0032	0.0035	0.0033	0	-0.0135
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	-0.0031	0.0379	0.0022	-0.0295	0.012	-0.0204	-0.0796	0	-0.0124
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0.0423	0.0349	0	-0.0081	0.0091	-0.015	-0.0153	0	-0.0236
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0.0065	-0.0012	0.0208	0.0141	0.065	0.0368	-0.0289	0	-0.0399
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0.0235	0.0272	0	-0.017	0.0063	-0.0132	-0.0133	0	-0.0097
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0.0489	0	0	-0.0522	0.0234	-0.0265	-0.0265	0	-0.0009
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0.039	0.0143	-0.0024	0.0274	0.0032	0.0098	0.0395	0	-0.0079
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0.0219	0.0203	0.0078	-0.0057	0.0095	-0.0059	-0.0065	0	-0.0094
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0.0282	0	-0.0002	-0.0036	0.0081	-0.0064	-0.0064	0	-0.0093
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	-0.0005	0.0298	-0.0002	-0.0091	0.0076	-0.0058	0.0076	0	-0.0024
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0.0267	0.0232	0.0084	-0.0056	0.0081	-0.007	-0.0078	0	-0.0132
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0.0321	0.0267	0.0027	-0.0144	0.0083	-0.0108	-0.0023	0	-0.0079
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0.021	0.0175	0.0054	-0.0036	0.0053	-0.0071	-0.0071	0	-0.0107
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0.0354	0.03	0.0028	-0.0142	0.0142	-0.0108	-0.0029	0	-0.0088
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0.0205	0.0171	-0.0001	-0.0036	0.005	-0.0068	-0.0069	0	-0.0105
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0.0208	-0.0006	0	-0.0138	0.0167	-0.0137	-0.0427	0	-0.0136
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0.0337	0.0142	0	0.0093	0.0072	-0.0022	0.0057	0	-0.0138
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0.022	0.0186	-0.0011	-0.0041	0.0079	-0.0069	-0.0072	0	-0.0111
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0.0398	-0.0045	0.0067	-0.029	0.0154	-0.0186	-0.0186	0	-0.0083
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0.0192	0.0437	0.0168	-0.0518	0.0174	-0.0191	-0.0225	0	-0.0051
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0.0184	0.0045	0.0009	0.015	0.0055	0.0018	0.0014	0	-0.0133
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0.0131	0.0109	0	-0.0023	0.0043	-0.0043	-0.0043	0	-0.0066
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0.0277	-0.0007	0.0013	-0.003	0.0091	-0.006	-0.006	0	-0.009
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0.0201	0.0386	0.0177	-0.0414	0.0132	-0.0196	-0.0211	0	-0.0054
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0.0364	-0.0012	0.0015	-0.0044	0.0104	-0.0083	-0.0083	0	-0.0122
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0.0302	-0.0004	0.0011	-0.0033	0.0116	-0.0066	-0.0066	0	-0.0099
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0.0788	-0.0007	-0.0008	-0.0816	0.0244	-0.0323	-0.0076	0	0.0012
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0.0287	-0.0019	0.0013	-0.0031	0.0085	-0.0063	-0.0063	0	-0.0094
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0.0246	0.0176	0.0064	0.0012	0.0083	-0.0041	-0.0048	0	-0.0131
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0.0296	-0.0024	-0.0008	0.0149	0.0091	0.0002	0.0002	0	-0.0145
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0.0314	-0.0007	0	0.056	0.0003	-0.0045	0.0021	0	-0.0364
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0.0095	0	0.0005	-0.001	0.0002	-0.0035	-0.0019	0	-0.0029
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	0.0024	-0.0005	0.005	0.0038	0.0017	0.0536	0	-0.0016
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0.0102	0.0095	-0.0025	0.0269	0.0031	0.0095	0.0079	0	-0.0079
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0.0108	0	0.0021	-0.0178	0.0204	-0.0056	0.0204	0	-0.0014
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0.013	-0.0008	-0.0003	0.0376	0.0006	-0.0107	0.0127	0	-0.0127
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0.0225	-0.0008	-0.0008	0.0112	0.0036	0.0013	0.0061	0	-0.0086
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0.0298	-0.0017	0	0.0641	0.0025	-0.0048	0.0081	0	-0.0364
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0.0142	-0.0009	-0.0002	-0.0017	0	-0.0032	-0.0033	0	-0.005
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0.0179	-0.0008	-0.0011	0.0619	0.0006	-0.0017	0.0117	0	-0.0287
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0.026	0.0063	0	0.0545	0.0001	-0.001	-0.0109	0	-0.0329
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0.0214	-0.0017	0	0.0709	0.0006	-0.0019	0.0121	0	-0.0372
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0.019	0.0305	0.015	-0.0091	0.0119	-0.0046	-0.0171	0	-0.0103
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	-0.0016	-0.0004	0.053	-0.0015	-0.0016	0.0078	0	-0.0325

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	-0.0003	-0.0001	0	0.0704	0.0105	-0.003	-0.0269	0	-0.0288
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	-0.0018	-0.0002	0	0.0362	0.0317	-0.0012	0.154	0	-0.0501
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0.0122	-0.0025	-0.0006	0.0101	0.0085	0.0055	0.0083	0	-0.0176
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0.0208	-0.0001	-0.0005	0.0675	0.0002	-0.0045	0.0111	0	-0.0338
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0.0325	-0.0014	0	0.0456	0.0216	0.0208	0.0392	0	-0.0253
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0.0403	-0.0014	-0.0001	0.0985	0.0062	0.0041	0.1461	0	-0.0498
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0.011	-0.0019	0	0.1176	-0.0053	0.0365	0.0356	0	-0.057
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0.0348	0.0277	-0.001	-0.0081	0.0047	-0.002	-0.0143	0	-0.0232
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0.0272	0.0263	0.0089	-0.0064	0.0133	-0.003	-0.0128	0	-0.0138
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0.0313	0.0215	0.0032	-0.0294	0.0085	-0.0031	-0.0001	0	-0.0129
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0.0209	0.0214	0.0051	-0.0228	0.0086	-0.005	-0.0039	0	-0.008
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0.0139	0.0123	0	0.0002	0.0041	-0.005	0	0	-0.0104
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.0262	-0.0013	-0.0006	0.0522	0.0186	0	0.0582	0	-0.0366
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	-0.0005	0.0389	-0.0013	-0.0102	0.0165	-0.0038	-0.0204	0	-0.0103
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0.0334	0.0517	0.025	-0.017	0.016	-0.0014	-0.0299	0	-0.0203
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0.0026	0.0972	-0.0011	-0.0267	0.0168	-0.0057	0.0739	0	-0.0533
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.07	0	0.0001	0.0002	0.0029	0	0.0889	0	0.0056
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	-0.0024	-0.0006	0	0.0084	0.0046	0.0017	0.0034	0	-0.0179
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0.0164	-0.0013	0	0.0251	0.0016	-0.0049	0.0068	0	-0.0116
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0.0868	0.0257	-0.0004	-0.0467	0.0647	-0.0078	0.0645	0	-0.0016
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	-0.0014	-0.0005	-0.0006	0.013	0	0	0.0645	0	-0.0179
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0.0162	-0.0009	-0.0001	-0.0018	0	-0.0036	-0.0036	0	-0.0054
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	-0.0024	0	0.0211	0.0041	-0.0029	0.0272	0	-0.0447
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	-0.0006	-0.0008	-0.0017	0.0738	0	0.0252	-0.0191	0	-0.0235
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0.003	0.007	-0.0007	0.0621	0	0.0185	-0.0291	0	-0.0251
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0.0045	0	-0.0002	0.0455	-0.0009	0.0069	0.0106	0	-0.0206
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	-0.0023	-0.0009	0.0767	-0.0017	0.0106	0.0216	0	-0.0304
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0.007	-0.0016	-0.0005	0.0322	-0.0022	0.0135	0.0345	0	-0.0052
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0.0393	-0.0012	0	0.0689	0.0046	-0.0035	0.0026	0	-0.0495
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	-0.0003	-0.0018	-0.0005	0.0682	0	0.0146	0.0183	0	-0.0413
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	-0.0001	-0.0001	0.077	0	0.0208	-0.0075	0	-0.0355
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	-0.0008	-0.0005	0.0913	0	-0.0039	0.0234	0	-0.0472
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	-0.0013	-0.0003	0	0.0619	-0.0031	0	0.0185	0	-0.0195
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0.006	0	-0.0005	0.0491	0.0066	0.0109	0.0082	0	-0.0377
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	-0.0006	0	0.0636	-0.0026	0.0088	0.0144	0	-0.0296
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0.004	-0.0004	0	0.0686	-0.0017	0.0106	0.0157	0	-0.0407
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	-0.0002	-0.0003	0	0.0534	0.0163	0.0092	0.0135	0	-0.037
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0.0033	0.0352	0.0068	-0.0388	0.0023	-0.0166	0.0173	0.0018	0.0028
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	-0.0005	0.0011	0.0718	-0.0018	0.0213	-0.0089	0	-0.032
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0.0316	-0.0022	-0.0013	0.0709	0.0012	-0.0035	0.0082	0	-0.0433
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0.0281	0.0154	0.0008	-0.0298	0.0143	-0.0167	0.077	0	-0.0087
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	-0.0001	-0.0002	0	0.0814	-0.0024	-0.0013	0.0172	0	-0.0517
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0.0204	-0.0001	0.0064	0.0677	-0.0027	0.007	-0.0112	0	-0.0338
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	-0.0002	-0.0011	0.0376	-0.0045	0.0023	0.0086	0	-0.0164
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	-0.0001	-0.0011	0	0.0755	-0.0018	0.0223	-0.0063	0	-0.0343
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	0	-0.0012	0.0729	-0.0018	0.0175	0.0172	0	-0.0452
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0.0198	0.0119	-0.0005	0.0661	-0.0016	-0.0021	0.0196	0	-0.0269
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0.0039	-0.0003	0	0.0658	-0.0024	0.0192	-0.0202	0	-0.0244
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	-0.0007	-0.0004	-0.0005	0.0695	0	0.0243	-0.012	0	-0.018

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	-0.0013	0	0.0735	-0.0016	0.0263	-0.0334	0	-0.0209
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0.0069	-0.0003	-0.0002	0.0563	0	0.0034	0.011	0	-0.0334
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0.0296	-0.0012	0.0025	0.0621	0.0038	-0.0001	0.0251	0	-0.0353
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	-0.0014	-0.0001	0	0.0637	-0.0063	-0.0028	0.0157	0	-0.0267
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0.0266	-0.0002	-0.0006	0.0616	-0.0003	-0.0023	0.0079	0	-0.0337
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0.0346	0.0077	0.0016	0.0228	-0.0004	-0.0039	0.0099	0	-0.0324
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0.001	0	0.0039	0.0704	-0.002	0.0192	-0.0098	0	-0.0337
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	0	-0.0008	0.0385	0	-0.0019	0.0114	0	-0.0185
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0.0024	-0.0009	-0.0009	0.0766	-0.0005	0.0114	0.0179	0	-0.0436
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0.0009	0	-0.0011	0.0581	0.0193	0.0093	0.0129	0	-0.038
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	0	0	0	-0.0126	-0.0045	0.0651	0	-0.0329
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	-0.0003	0.0101	0.0569	-0.0091	0.0208	-0.0136	0	-0.0169
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	-0.0003	-0.0001	0	0.0477	-0.0157	0.0438	0.0189	0	-0.0392
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0.0034	-0.0003	-0.0007	0.0371	-0.0085	0.0047	0.0086	0	-0.0187
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	0.0022	-0.0005	0.0548	-0.0115	0.0137	-0.005	0	-0.0274
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0.0531	0.0053	-0.0016	0.0135	0.0212	-0.0036	0.052	0	-0.0345
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	0.0001	0.0013	0.0492	-0.0097	0.0122	0.0003	0	-0.0252
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0.0042	-0.0004	-0.0019	0.0566	-0.0131	0.0138	-0.0017	0	-0.0257
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0	0	0	0.0577	0.0182	0.0144	0.0786	0	-0.0357
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0.0211	0.0207	0.0001	-0.0041	0.0217	0	0.0217	0	-0.0085
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0.0288	0.0042	-0.0003	0.0396	0.0096	-0.0044	0.0007	0	-0.026
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	-0.0002	-0.0014	0.0629	-0.0089	0.0244	-0.0089	0	-0.0142
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0.0369	0.0104	0	-0.0402	0.0222	0	0.0587	0	-0.0218
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	0.0176	0.0054	-0.002	0.0127	-0.0033	-0.0037	0	-0.0068
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	-0.0006	-0.0015	0.034	-0.0074	0.0262	0.0122	0	-0.0195
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	0.013	-0.0002	-0.0013	0.0005	-0.0027	-0.0027	0	-0.004
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0.0585	-0.0037	-0.0019	0.0318	0.0151	-0.0044	0.0359	0	-0.0339
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0.0059	-0.001	-0.0006	0.0354	-0.0067	0.0051	0.0018	0	-0.0137
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0.0043	-0.0013	-0.0003	0.0428	-0.0081	0.0105	-0.0016	0	-0.0152
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0.0572	-0.0045	0.0063	-0.0241	0.0178	-0.002	0.0004	0	-0.0238
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0.0353	0.0117	-0.0004	0.0447	0.0118	-0.0032	-0.0076	0	-0.0345
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0.0131	-0.0025	-0.0021	0.0259	-0.0066	-0.0031	0.0078	0	-0.0197
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0.0474	0.0427	0.0143	-0.013	0.0085	-0.002	-0.0163	0	-0.036
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	-0.0016	-0.0006	0.0729	-0.0138	0.0247	-0.0132	0	-0.0234
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0	-0.0093	-0.0003	0.0403	0.0122	0.0075	0.0737	0	-0.036
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	-0.0001	-0.0001	0.0113	0.0536	0.0244	0.0071	0.0068	0	-0.0418
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	-0.0007	0	0	0.0655	-0.0103	-0.0023	0.018	0	-0.0276
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0	-0.0042	0.0019	0.0539	0.0032	0.0159	0.0417	0	-0.0221
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0.007	-0.0041	-0.0018	0.0671	-0.004	0.0124	0.0204	0	-0.0183
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0.0109	-0.0024	-0.0008	0.0511	-0.0022	0.0064	0.0132	0	-0.0184
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	-0.003	-0.0017	0.0885	-0.0035	0.0217	-0.0041	0	-0.0153
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	-0.002	-0.0015	0.0415	0.0128	0.0278	0.0001	0	-0.0119
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0.0712	-0.0019	0.0035	0.0616	0.0197	0	0.0197	0	-0.0215
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	-0.0027	-0.0011	0.0591	-0.0042	0.0247	-0.0117	0	-0.0095
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0.0148	0.015	0.0021	-0.0032	-0.0005	-0.0012	-0.0028	0	-0.0069
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0.0246	-0.0037	0.0079	-0.0158	0.0121	-0.004	-0.0317	0	-0.0038
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0.0176	0	0.0047	0.0016	0.0424	0	0	0	-0.0017
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0.0192	0.0033	-0.0008	0.003	0.0319	0	0.032	0	-0.0114
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	0	-0.0022	0.0423	0.0388	-0.002	0.0154	0	-0.0468

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0.0085	0.011	-0.0008	0.0022	0.0236	0	0.0236	0	-0.0059
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	-0.0008	0	0.0587	-0.0084	0.0194	-0.0012	0	-0.0141
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0.0873	-0.0024	0.0053	0.0754	0.0351	0.0227	0.0227	0	-0.03
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	-0.0028	-0.0011	0.0758	-0.009	0.033	-0.009	0	-0.0135
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	-0.0006	-0.0002	0.0585	-0.0119	0.0308	0.0218	0	-0.0254
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	0.0167	-0.0014	-0.024	0.023	0	0.0852	0	-0.0076
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0.0035	0.025	0.0032	-0.0123	-0.0012	-0.0061	-0.036	0	-0.0031
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	0	-0.0011	0.0592	-0.0244	0.0524	0.019	0	-0.0546
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	0	-0.0013	0.0117	0.0105	0.0464	-0.0016	0	-0.0336
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0.0017	0.0069	-0.0006	0.0585	-0.0376	0.0202	0.0202	0	-0.0181
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	-0.0002	0	0.0059	0.0185	-0.0054	0.019	0	-0.028
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0.0059	-0.0004	-0.0013	0.0547	0.0286	0.002	0.0119	0	-0.0241
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	-0.0004	-0.0012	0.0205	0.0138	0.0345	-0.0155	0	-0.0258
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	0.0085	-0.0007	0.0255	0.0538	0	0.0538	0	-0.0045
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	-0.0005	-0.0003	0.0193	0.0546	0.0362	-0.0191	0	-0.0338
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	-0.0002	-0.0014	0	0.0264	0.0494	-0.0025	0.0002	0	-0.0189
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	-0.0018	0	0.0333	0.0504	0.0071	0.0014	0	-0.036
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0.0058	0.0051	0.0021	-0.0007	0	-0.0002	-0.0013	0	-0.0021
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	-0.0006	-0.0008	0.0373	0.043	0.0348	0.0112	0	-0.0516
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0.0255	0	-0.0166	0.0015	-0.0028	0.015	0	-0.0016
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	-0.0009	-0.0006	0.0772	0.039	0.0157	0.0148	0	-0.0607
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	-0.0012	-0.002	0	0.022	0.0158	0.0384	0.0037	0	-0.0211
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	-0.0006	-0.0019	0	0.0552	0.0484	0.0552	0.0485	0	-0.0345
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	-0.0019	0.001	0.0566	-0.0039	0.0176	-0.0001	0	-0.0234
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	-0.0028	0	0.0191	0.0189	0.0339	-0.0062	0	-0.0206
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0.0003	0.0174	0.0043	-0.0137	0.0705	0	0.0106	0	0.004
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	-0.0008	0.004	0.077	-0.0076	0.0328	-0.0076	0	-0.0114
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	0.0084	0.0027	-0.001	0.0003	-0.0017	-0.0017	0	-0.0031
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	0	0	0.0502	0.0293	0.0198	0.0145	0	-0.0455
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	-0.0006	-0.0003	-0.0022	0.0317	0.0176	0.0111	-0.0073	0	-0.0165
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0.0203	-0.0008	-0.0168	-0.0006	0	0.0071	0	-0.011
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	-0.0019	-0.0008	-0.2269	0.084	0	-0.0777	0	0.0112
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	-0.0007	-0.0012	0.0411	0.0409	0.0411	0.0407	0	-0.0283
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	-0.0003	0	-0.0029	0.0162	0.0564	0.0024	0.0564	0	-0.0114
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	0.0094	0	0.017	0.0403	0	0.0013	0	-0.0008
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0.0005	0	-0.0001	0.0603	0.0306	0.0567	0.0346	0	-0.0282
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	-0.0012	0	0	0.1228	0	0.0538	0	-0.0408
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	0.1464	0.0024	0.0757	0.0396	-0.0037	0.0396	0	-0.0673
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0.0152	-0.0014	0.0008	-0.0015	0.0004	-0.0031	-0.0029	0	-0.0044
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0.0019	0.0016	0	-0.0003	-0.0002	-0.0006	-0.0006	0	-0.0009
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0.0066	-0.001	0	-0.0002	0.001	-0.0032	-0.0004	0	-0.0006
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	-0.0006	-0.0008	0.0695	0.0388	0.0108	0.0108	0	-0.0479
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	0.2074	0.0139	0.0427	0	-0.0062	-0.0542	0	-0.0688
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	0	-0.0019	0.0695	0.0497	-0.004	0.017	0	-0.0394
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	0	-0.0009	0.0229	0.0403	0.0406	-0.0137	0	-0.0317
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	0.0023	0	0.1054	-0.0116	0.0307	-0.0246	0	-0.0444
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	-0.0004	0	0.0585	-0.0148	0.0559	0.0237	0	-0.0536
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	0	0	0.0792	-0.0165	0.0392	0.0272	0	-0.0547
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	-0.0008	-0.001	-0.0011	0.0501	0.0562	0.0191	0.0114	0	-0.048

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	-0.0008	0	0.017	-0.0027	0.0026	0.0025	0	-0.014
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	-0.0003	-0.0009	0	0.085	-0.0181	0.0275	-0.0178	0	-0.03
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0.061	-0.0006	0.0069	-0.0175	0.0261	-0.0007	-0.0031	0	-0.0206
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0.0226	-0.0001	0	0.0361	0.0169	0.0369	-0.016	0	-0.0388
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	-0.0006	0	0.0242	0.0221	0.0378	-0.0114	0	-0.0296
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	-0.0014	-0.0011	0.0351	0.0283	0.0486	0.0032	0	-0.0356
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	-0.0008	0	-0.0009	0.0479	0.057	0.0173	0.01	0	-0.0489
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	-0.0006	-0.0013	0.0196	0.0133	0.0288	0.0025	0	-0.0174
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	-0.0007	0	0.0315	0.022	0.0445	0.0001	0	-0.0381
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	-0.0009	0.0073	0.0127	0.0398	0.0581	0.0006	0	-0.0391
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0.0735	-0.0021	0.0073	-0.0214	0.0281	-0.002	-0.0052	0	-0.0267
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0	-0.0017	0.106	-0.0161	0.0361	-0.0476	0	-0.0338
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	-0.0002	0	0.081	-0.0043	0.0293	0.0128	0	-0.0224
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	-0.0004	-0.0001	0.0649	-0.0153	0.0206	0.0207	0	-0.0291
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	-0.0006	0	0.0579	-0.0216	0.0533	0.0246	0	-0.0426
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	-0.0002	0	0.0602	-0.0119	0.0599	0.0221	0	-0.0539
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	-0.0006	0.0068	0.0775	-0.0123	0.0295	-0.0124	0	-0.0198
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	-0.0003	0	0	0.0409	0.0613	0.0392	0.0058	0	-0.063
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	0	0	0.0802	0.025	0.0581	0.025	0	-0.0632
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	-0.0015	0	-0.0007	0.0811	0.0321	0.0641	0.0311	0	-0.0672
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	-0.0007	-0.0007	0.0798	-0.0166	0.0265	-0.0145	0	-0.0268
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	0	0.0031	0.0378	0	0.0128	-0.0072	0	-0.0124
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	-0.0004	-0.0008	0.0552	-0.0127	0.0118	0.0146	0	-0.027
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	-0.0003	0	0.032	0.0279	0.0486	0.0013	0	-0.0412
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	-0.0001	-0.002	0.0261	0.0257	0.0399	-0.0015	0	-0.03
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0.005	-0.0015	-0.002	0.0005	0.0527	0	0.0527	0	-0.0064
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	-0.0015	0.0061	0.0604	-0.0087	0.0237	-0.0087	0	-0.013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	-0.0014	0	0.0601	-0.024	0.0219	0.0064	0	-0.0202
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0.0023	0	0	0.0165	0.0266	0.027	-0.0082	0	-0.021
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	-0.0003	0	0.0858	0.0162	0	0.0606	0	-0.0474
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	0.0326	0.0107	0.0773	0.0196	0.0126	0.0078	0	-0.055
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0.0108	0	-0.0002	-0.0012	0	-0.0016	-0.0024	0	-0.0036
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	-0.0006	-0.0007	0.0973	-0.0109	0	-0.009	0	-0.0226
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	0	-0.0013	0.0502	0.0281	-0.001	0.012	0	-0.0222
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	-0.0006	-0.0012	-0.0001	0.2541	0.0984	0.0984	0.0984	0	-0.0573
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0.0099	0	-0.0011	0.2526	0.0926	0.0926	0.0926	0	-0.0673
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	-0.002	-0.001	-0.0023	0.0317	0	0.0262	0	-0.0289
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	-0.0006	0.0058	0.0683	-0.0096	0.0269	-0.0096	0	-0.0144
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	-0.0007	-0.0003	0.0266	0.0056	0.0442	0.0012	0	-0.0202
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0.0008	0.0007	0.0002	-0.0001	0	0	-0.0002	0	-0.0002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	-0.0006	-0.0012	0.0699	0.0356	0.0642	0.0356	0	-0.0273
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	0	0	0.0593	-0.0161	0.0131	0.0153	0	-0.0264
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	-0.0011	-0.0014	0.0717	-0.0125	0.0265	-0.0125	0	-0.0188
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	-0.0001	-0.0003	0.0473	0.0136	0	0.0387	0	-0.0495
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	-0.0015	0	0.0629	-0.0104	0.0232	-0.011	0	-0.0165
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	-0.0032	-0.0002	0.0558	-0.0084	0.0216	-0.0084	0	-0.0127
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0.0165	0.0033	0.0869	0.0415	0.0371	0.0415	0	-0.0128
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	-0.0004	0	0.053	-0.0071	0.0212	-0.0071	0	-0.0107
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	-0.0001	0	-0.0021	0.0385	0.0162	0.0045	0.0118	0	-0.0082

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	-0.0013	-0.0004	0.0427	0.0107	0.0143	0.0156	0	-0.0107
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	-0.0004	-0.0014	0.0489	0.0128	-0.001	0.0387	0	-0.0481
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	-0.0009	-0.001	0.0304	0.0256	-0.0018	0.0104	0	-0.0193
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	0	0	0.0272	0.0117	0.0099	0.0075	0	-0.0177
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	0.0026	-0.0018	0.0414	0.0261	0.0414	0.0261	0	-0.0116
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	-0.0008	0	0.0536	0.0618	0	0.0509	0	-0.0173
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	-0.0003	-0.0009	0.0636	0.026	0.026	0.026	0	-0.0117
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0	0	0.0835	-0.0237	0.0334	-0.0262	0	-0.0167
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	0.0092	-0.0004	0.0794	-0.0109	0.0281	-0.0228	0	-0.0233
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0.0033	-0.0001	-0.0017	0.0473	0.0237	-0.002	0.0202	0	-0.0301
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	-0.0005	-0.0001	0	0.0147	-0.0083	0.0431	-0.0138	0	-0.0168
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	0	-0.0024	0.0354	0.0134	-0.0011	0.0227	0	-0.0323
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	-0.0002	-0.0008	0.0748	-0.0179	0.0308	0.023	0	-0.0511
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	-0.0001	0	0.027	-0.0044	0.0078	0.0129	0	-0.0144
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	-0.0011	-0.0018	0.0208	0.0006	0.0107	0.0115	0	-0.012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0.0197	-0.0007	-0.0014	0.0322	0.0087	-0.0016	0.0111	0	-0.012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0.0373	0.0088	-0.0414	-0.0264	-0.0004	-0.0149	0	0.0091
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	0	-0.0012	0.0126	0.001	-0.0008	0.0209	0	-0.0052
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	-0.0011	-0.0011	0.0053	-0.0017	0	0.0296	0	-0.0264
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	-0.0006	0.0006	0.0139	-0.0006	0.0042	-0.0006	0	-0.0009
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	0.0201	-0.0017	0.0154	0.0216	0	0.0305	0	-0.0431
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	-0.0021	-0.0013	0.0215	0.0259	0	-0.0013	0	-0.0141
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	-0.0018	-0.0027	0.0228	-0.0027	-0.0015	0.0185	0	-0.008
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0.0073	-0.0009	-0.0012	0.0245	-0.0066	0.0058	0.0318	0	-0.0217
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	0.002	0	0.027	-0.006	0.0053	0.001	0	-0.0178
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	-0.0007	-0.0007	0.0255	-0.0026	-0.0017	0.0196	0	-0.0092
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	-0.0006	0	0.0073	0.0026	-0.0007	0.0372	0	-0.0178
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	-0.0008	-0.0017	0.0188	-0.0012	0.0054	-0.0012	0	-0.0021
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	-0.0007	-0.0013	0.0294	-0.0015	0.0057	-0.0015	0	-0.0023
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	-0.0008	-0.0018	0	0.0103	-0.0039	0.0096	0.0022	0	-0.0137
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	-0.0005	-0.0016	0.0043	0.0002	-0.0007	0.0002	0	-0.003
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	-0.0007	-0.0014	0.0121	-0.0023	0.0005	0.0192	0	-0.0069
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	-0.001	0	0.0197	-0.0053	-0.0003	0.0171	0	-0.0155
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0.0033	0.0028	-0.0009	0.0089	-0.0005	0.0035	-0.0015	0	-0.0047
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0.0037	0	0.0025	-0.0062	-0.0035	0	0.005	0	-0.0012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0.0229	0.0054	-0.028	-0.0232	0	0	0	0.0049
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0.0047	0.0059	-0.0013	-0.002	-0.0013	-0.0004	-0.0007	0	-0.0031
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0.0027	-0.0003	-0.0004	0.0325	-0.0092	0.0023	0.0141	0	-0.022
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	-0.0012	-0.0031	0	0.0027	-0.0005	0.001	-0.0005	0	-0.0052
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0.0034	0	0	0.0119	-0.0006	0.0014	0.0023	0	-0.0062
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	-0.0004	-0.0005	-0.0001	0.0274	-0.0063	0.007	0.0201	0	-0.0191
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	0	-0.0002	0.0078	-0.0034	0	0.0381	0	-0.0179
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	0	0	0	-0.008	-0.0056	0.083	0	-0.0502
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0.0075	0.0129	0.0023	-0.0057	-0.0005	-0.0018	-0.0146	0	-0.0102
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0.0293	0	-0.0139	0.0001	-0.006	-0.0242	0	-0.0004
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0.0204	0.0014	-0.0078	-0.0018	-0.0079	0.0035	0	-0.0043
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0	0	0.1136	0.0581	-0.0109	0.1545	0	-0.1918
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0.0322	0.0105	0.0009	0.0011	0.0044	-0.0078	0.004	0	-0.0211
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0.0228	-0.0004	0.0103	-0.028	0.006	0.0189	-0.0115	0	-0.0091

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0.0832	-0.0014	0.0047	-0.0081	0.0293	-0.0085	-0.0161	0	-0.0242
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0.0231	0.0439	0.0027	-0.0165	0.0101	-0.0064	-0.0329	0	-0.0122
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	0.0099	0.0164	-0.0036	-0.0021	-0.0035	-0.0226	0	-0.0049
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0.0012	0.0511	0.0017	0.0103	0.0057	-0.0047	0.0089	0	-0.0197
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0.0122	0.0289	0.0032	-0.0112	0.0042	-0.0084	-0.0236	0	-0.0057
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0.035	0.0298	-0.0015	-0.0052	0.0166	-0.0081	-0.0104	0	-0.0156
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	-0.0049	-0.0014	0.0984	-0.0026	0.0252	0.0245	0	-0.0581
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	0.0258	0.0095	-0.0038	0.0157	-0.0067	-0.0068	0	-0.0124
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0.0272	-0.0043	-0.0016	0.0083	0.0211	0	0.0767	0	-0.0067
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0.0232	-0.004	0.0001	-0.0024	0.0004	-0.0048	-0.0048	0	-0.0071
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0.0371	0.0055	-0.0009	0.05	0.0116	0.0008	0.0284	0	-0.0269
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0.0084	0.0112	0.0033	-0.0115	0.0858	0	0.0027	0	0.0026
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	0	-0.0012	0.0522	-0.005	0.0459	0.0184	0	-0.043
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	0	-0.0006	0.0829	-0.0091	0.0222	0.0216	0	-0.0451
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	-0.0008	0.01	0	0.0396	-0.0071	0	0.1247	0	-0.0103
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0.0784	0.0398	0.0063	-0.0001	0.0186	-0.0067	-0.0003	0	-0.0389
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0.0125	0.0037	-0.0011	-0.0041	0.0055	0	0.0761	0	-0.0021
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0.0077	0.0185	0.01	-0.0068	0.0005	-0.0041	-0.0128	0	-0.0049
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0.0064	0.0363	0.003	-0.0141	0.0048	-0.0063	0.0157	0	0.0016
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0.0287	-0.0011	-0.0005	0.0031	0.0134	0	0.0698	0	-0.0223
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0.0237	-0.0013	0	0.0643	0.0516	0	0.0184	0	-0.0288
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	-0.0004	-0.0007	0.0739	-0.0069	0.0231	-0.0364	0	-0.0278
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0.0264	0.0227	0.008	-0.0035	0.0181	-0.0064	-0.0062	0	-0.0136
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0.0031	-0.0014	-0.0013	0.0764	-0.0039	0.0128	0.0178	0	-0.0497
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0.0177	-0.0005	-0.0006	0.0247	0.0118	0.0024	0.0468	0	-0.0314
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0.0123	-0.0005	0	0.1209	-0.002	0.0287	0.0426	0	-0.0967
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0.0174	0	-0.0003	0.0369	0.0851	0	0	0	-0.0063
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0.0119	0.0028	0	-0.0182	0.0044	0	0.0797	0	-0.002
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0.0246	-0.0014	0	0.1152	-0.0043	0.0087	0.023	0	-0.0644
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0.0226	-0.002	-0.0009	0.0731	-0.0005	0.0012	0.0129	0	-0.0415
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0.0033	-0.0007	-0.0008	0.0661	-0.0027	0.0089	0.0142	0	-0.0403
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0.0212	0.0087	0	0.001	0.011	-0.0045	0.0023	0	-0.0116
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0.0282	-0.0017	0	0.0597	0.0114	-0.0026	0.0099	0	-0.0344
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	0	0	0.079	-0.0074	0.0161	0.0198	0	-0.0448
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0.0415	0.0341	-0.0002	-0.0076	0.0088	-0.0116	-0.0149	0	-0.0229
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	-0.0005	-0.0022	-0.0001	0.0721	-0.0239	-0.0016	0.0544	0	-0.0606
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0.0301	-0.0015	0.0011	-0.0031	0.0142	-0.0062	-0.0062	0	-0.0093
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0.0054	-0.0005	-0.0009	0.0333	0.005	0.0112	0.0712	0	-0.0144
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0.0078	0.0286	0.0035	-0.0131	-0.0017	-0.0046	-0.0263	0	-0.0056
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0.0595	-0.001	0	-0.0165	-0.0063	-0.0065	0.0396	0	-0.0516
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	-0.0006	0	0.1207	-0.0057	0.0307	0.0302	0	-0.0718
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0.0043	0	0.0789	-0.0017	0.0246	-0.0376	0	-0.0297
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0.0021	0	-0.0002	0.0596	-0.0026	0.0087	0.0138	0	-0.0325
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0.0433	-0.004	-0.0012	-0.0954	-0.0059	-0.0041	0.0881	0	-0.0374
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	-0.0003	0.0035	-0.0012	0.0034	-0.0011	0.0078	0.0082	0	-0.0293
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0.0333	-0.0013	-0.0002	0.029	-0.0086	-0.0053	0.0581	0	-0.0415
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	-0.0001	-0.0021	-0.0002	0.0081	0.0027	-0.0045	0.0169	0	-0.0201
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0.0304	0.0254	-0.0016	-0.0051	0.0017	-0.0029	0.0229	0	-0.0153
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0.0488	0	-0.0178	0.0058	-0.0105	-0.0079	0	-0.0032

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0.0125	-0.0008	-0.0012	0.0547	-0.0051	-0.004	0.0397	0	-0.0403
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0.0677	-0.0051	0.0001	-0.0037	0.0128	-0.0081	-0.0073	0	-0.0225
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	-0.0053	-0.0013	0	0.1836	-0.018	0.0312	0.0648	0	-0.1062
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0	-0.0014	0	0.1206	0.0457	0.0333	0.0585	0	-0.0662
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0.0043	-0.0007	-0.0004	0.0572	-0.0043	0.0069	0.0124	0	-0.0327
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	-0.0002	-0.0015	-0.0008	0.1122	-0.0032	0.0293	0.0285	0	-0.0648
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	0	-0.0016	0.1111	-0.012	-0.0022	0.0342	0	-0.0471
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0.0083	-0.0006	-0.0001	0.0538	-0.0102	0.0057	0.0116	0	-0.0285
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	-0.0012	-0.0021	-0.0004	-0.0272	0.0643	0	0.0511	0	-0.0841
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	0	0	-0.0062	0.0515	0	0.0203	0	-0.0747
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	-0.0003	-0.001	-0.0009	-0.0117	0.0405	0	0.0228	0	-0.0686
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0.0082	-0.0025	-0.0018	0.0523	-0.002	0.0034	0.0094	0	-0.0327
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0.0214	-0.0021	-0.0011	0.1084	-0.0017	0.0085	0.0225	0	-0.0581
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	-0.0024	-0.0003	0.0933	-0.0035	-0.0048	0.0268	0	-0.0437
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0.0448	0.0266	-0.0026	-0.0051	0.0089	-0.0094	-0.0102	0	-0.0285
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0.0254	0.0509	0.0023	-0.0193	0.0139	-0.0065	-0.0386	0	-0.0131
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0.0233	-0.0027	0.0015	-0.002	0.0011	-0.0055	-0.004	0	-0.006
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0.0171	-0.0001	-0.0003	-0.0019	-0.0001	-0.0041	-0.0039	0	-0.0058
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	-0.001	0.0561	-0.0006	-0.0175	0.0199	-0.0034	-0.0349	0	-0.0135
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0.0406	0.0169	-0.0011	0.0485	-0.002	0.0111	0.0412	0	-0.0281
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0.0035	-0.0021	-0.001	0.0704	-0.0072	0.0096	0.0152	0	-0.0414
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0	-0.0018	-0.0002	0.0629	0.0295	0.0388	0.0193	0	-0.0647
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0.0086	0.2811	-0.0021	-0.3184	-0.0626	0	0.0179	0	-0.1093
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0.0314	-0.0016	-0.0005	0.086	0.0296	-0.0025	0.0562	0	-0.0514
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0.0331	0.0223	0.0075	-0.0027	0.0128	-0.0063	-0.0045	0	-0.0199
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0.0045	-0.0006	-0.0001	0.0342	0.0842	0.0143	0	0	-0.0055
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0.0258	-0.0032	0.0018	-0.0023	0.0009	-0.0056	-0.0047	0	-0.007
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	-0.0002	-0.0004	0	-0.004	0.0029	0	0.0052	0	-0.0178
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	-0.0009	0	-0.0002	0.0014	0	-0.0046	0.0102	0	-0.0194
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0.0204	-0.0007	0.0014	-0.0059	0	-0.0066	-0.0118	0	-0.0074
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0.0266	0.0379	-0.0012	-0.0151	0.0028	-0.0079	-0.0038	0	-0.0189
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0.0829	-0.0011	0.0058	-0.0132	0.0201	-0.0099	-0.001	0	-0.0252
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0.0463	-0.0008	0	0.026	0	-0.0014	0.0211	0	-0.0523
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0.03	-0.0028	-0.0009	0.0167	0.0046	-0.0016	0.0218	0	-0.0301
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0.053	-0.002	0.0075	-0.0465	0.0037	-0.0016	-0.0154	0	-0.0354
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0.0625	-0.0004	0	-0.0335	0.011	-0.0037	0.0127	0	-0.0281
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0.0258	0.0212	-0.0015	-0.0046	0.0059	-0.0083	-0.0091	0	-0.0139
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0.1384	-0.0022	-0.0877	-0.0038	-0.0129	0.0558	0	-0.0319
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0.0551	0.0243	0.0041	-0.0027	0.0029	-0.0099	-0.0054	0	-0.0362
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0.0521	0.0161	-0.0008	0.0016	0.0055	-0.0021	0.0032	0	-0.0328
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0.0552	0	0.0034	-0.0055	0.0164	-0.0098	-0.0109	0	-0.0164
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0.0323	0	-0.0005	-0.0138	0	-0.0038	-0.0055	0	-0.0148
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0.0239	0	-0.0004	0.0422	0.0051	-0.0021	0.0186	0	-0.0347
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	-0.0004	0	-0.0011	0	-0.0004	-0.0057	0.1085	0	-0.0595
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0	0	0.0059	-0.0104	0.0222	-0.0075	0.0018	0	-0.0254
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0.0271	0.0263	0.0053	-0.0062	0.0109	-0.0081	-0.0061	0	-0.0146
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	-0.0001	0	-0.0005	0.0083	0.0062	-0.0068	0.0575	0	-0.0485
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0.0601	-0.0008	0	0.0268	0.0083	-0.0036	0.0384	0	-0.0477
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0.0263	0.0176	0	-0.006	0.0041	-0.005	-0.0119	0	-0.0206

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0.0218	-0.0008	-0.0006	0.0872	-0.0007	-0.0043	0.0407	0	-0.0623
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0.0171	0	-0.001	0.0406	0.0011	-0.0047	0.0489	0	-0.0467
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	-0.0017	0	0	0.0154	0.017	0	0.0867	0	-0.047
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	-0.0015	-0.0011	0.0221	-0.0005	-0.0048	0.0387	0	-0.0509
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0.0934	-0.002	-0.0011	-0.0637	0.0273	-0.005	-0.0334	0	-0.0243
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0.0658	-0.0023	0.0028	-0.0068	0.0175	-0.0121	-0.0137	0	-0.0205
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0.1172	-0.0017	-0.0006	-0.0531	0.0162	-0.0048	-0.002	0	-0.0551
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0.0314	0.0149	0.0034	-0.0005	0.006	-0.0075	-0.0002	0	-0.0215
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0.0243	0	-0.0009	0.0154	0.0005	0	0.0657	0	-0.0379
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0.0534	-0.0016	-0.0022	0.0675	-0.0036	0.0098	0.0436	0	-0.0613
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0.0317	-0.0002	0.0155	-0.0485	0.008	-0.0097	-0.0311	0	-0.016
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0.0501	-0.0006	-0.0009	0.0697	-0.0009	0.0127	0.0169	0	-0.051
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0.0203	-0.0012	-0.0005	0.0384	0	-0.0032	0.0309	0	-0.036
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0.0301	-0.0004	0	0.0158	-0.0023	-0.0058	0.0227	0	-0.0178
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0.0938	-0.0011	-0.002	0.0321	0.01	-0.0031	0.0275	0	-0.0643
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0.0151	-0.0052	-0.0011	0.0713	-0.0034	-0.004	0.0103	0	-0.0406
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	0.0163	0.0002	0.0765	0.0077	0.0088	0.0196	0	-0.065
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0.0825	-0.0026	-0.0006	0.0147	0.0162	-0.0098	0.0062	0	-0.0336
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0.0326	0.0199	-0.0012	-0.0033	0.0052	-0.0067	-0.0059	0	-0.0211
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0	-0.0004	-0.0012	0.0387	0.0286	0	0.1024	0	-0.058
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0.0438	0.0092	-0.0003	0.0024	0.0118	-0.0007	0.0059	0	-0.0392
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	-0.0008	-0.0087	-0.0018	0.0202	0.0041	0	0.0057	0	-0.0485
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0.0064	-0.0008	0	0.0435	0	0	0.0059	0	-0.028
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	-0.0011	0	-0.0001	0.0482	0.0167	0.0038	0.0266	0	-0.054
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0.0303	0	-0.0006	0.0389	0.004	-0.0006	0.0159	0	-0.0364
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	-0.0006	0	-0.0007	0.0497	0.0209	0.0008	0.0318	0	-0.0598
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0.0701	0.2142	-0.0001	-0.1204	-0.0068	-0.0034	-0.0271	0	-0.1495
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	-0.0002	0	0.0477	0.0182	0.0062	0.0278	0	-0.0491
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	-0.0005	-0.0013	0.052	0.018	0.0014	0.0349	0	-0.0666
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0.0533	-0.0018	0	0.0457	0.0056	0.0036	0.0389	0	-0.0498
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0.0203	-0.0016	0	0.0738	-0.0063	-0.003	0.0298	0	-0.0558
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0.0285	0.0242	0	-0.0044	0.0108	-0.0086	-0.0086	0	-0.0132
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0.0259	0.038	-0.002	-0.009	0.0098	-0.0099	0.0229	0	-0.006
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	-0.0013	-0.0006	-0.0007	0	0	-0.0063	0.081	0	-0.0495
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0.0201	0.0265	0	-0.0129	0.001	-0.0027	-0.0065	0	-0.0193
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0.0285	-0.0015	0	0.0377	0.0003	-0.0007	0.0251	0	-0.0384
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	-0.0017	-0.0008	-0.0007	0.0282	0.0045	0	0.0151	0	-0.0461
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0.0255	-0.0001	-0.0011	0.0236	0.0027	-0.0023	0.0126	0	-0.0285
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	-0.002	-0.0001	-0.0018	0.0511	0	-0.0007	0.0178	0	-0.0282
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	-0.0016	-0.0004	0	-0.0305	0.0012	-0.0022	0.0324	0	-0.0192
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	-0.0015	0	-0.0002	0.0495	0.018	0.0054	0.0273	0	-0.0524
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	-0.0007	-0.0003	0.0262	-0.0011	-0.0022	0.0463	0	-0.0247
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	-0.0007	-0.0005	0.0434	-0.0109	-0.0022	0.0236	0	-0.0307
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0.0049	-0.0008	0	0.041	-0.0059	0.0046	0.0072	0	-0.0115
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	0.0118	0	0.0011	-0.0002	0	0.0032	0	-0.0102
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0.0406	0	-0.0005	0.0181	0.0122	-0.0021	0.039	0	-0.0255
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0	-0.0002	0.0001	0.0446	0.0023	0.006	-0.001	0	-0.0044
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	-0.0014	0	0.0155	-0.0021	0.0039	0.0301	0	-0.0133
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	0	-0.0006	0.0446	-0.0045	0.0009	0.0167	0	-0.0093

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	0	-0.0002	0.0291	0.0141	0.0014	0.0164	0	-0.0262
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	0.0219	0.0055	0.0678	0.0319	0	0.0479	0	-0.0736
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0.0072	-0.0021	-0.0006	0	-0.0022	0	0.0488	0	-0.0107
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	-0.0014	-0.0014	0.0515	-0.0123	-0.0031	0.0305	0	-0.0318
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0.0041	-0.0031	-0.0011	0.0417	-0.0066	0	0.0099	0	-0.0123
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	-0.0057	-0.0016	0.0563	-0.0157	-0.0001	0.0345	0	-0.0466
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0.0258	0.0057	-0.0012	0.0347	0.0107	0	0.0015	0	-0.0186
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	-0.0016	-0.0004	0.0065	-0.0069	0	0.0487	0	-0.0152
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	-0.0001	0	0.0576	-0.0077	0	0.0351	0	-0.0254
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	-0.0014	-0.0007	0.0547	-0.0107	0.0158	0.0295	0	-0.0274
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	0	-0.0002	0.0118	0.0039	0.0018	0.0036	0	-0.0085
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	-0.0078	-0.0022	0.0617	-0.0106	0.0148	0.0283	0	-0.0336
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	-0.0011	-0.002	0.0707	-0.0141	0.0182	0.0338	0	-0.0348
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0.0186	0	-0.0004	0.0378	0.0079	-0.0017	0.0103	0	-0.0153
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	-0.0051	-0.0017	0.0321	0.015	0.0162	0.0064	0	-0.0292
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	0.0272	0	0.0575	0.0279	0.0306	0.0585	0	-0.0645
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	-0.0004	-0.0019	0.0479	-0.0078	0.0138	0.0165	0	-0.0203
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	0	-0.0018	0.0448	-0.011	-0.0008	0.0249	0	-0.0295
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	0.0207	-0.0007	0.0423	0.0312	0.0096	0.0596	0	-0.0543
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	-0.0038	-0.0018	0.0416	-0.0042	0.0071	0.0067	0	-0.0081
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	-0.0004	-0.0017	0.052	-0.0106	0	0.0258	0	-0.0272
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	-0.005	0	0.0591	-0.0187	-0.0029	0.0402	0	-0.0515
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	-0.0015	-0.0011	0.0662	-0.0112	0.0214	0.0062	0	-0.0265
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0.0024	0	0	0.018	-0.0072	0.0443	0.0017	0	-0.0207
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	-0.0009	0.0026	0.0201	0.0158	0.0452	0.0008	0	-0.0369
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0.0029	-0.0007	-0.0017	0.0233	-0.0104	0.04	0.0065	0	-0.0226
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0.0334	0	0	0.0554	0.0063	-0.0039	0.0462	0	-0.0262
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0.0421	-0.0013	-0.0005	0.0452	0.0067	0	0.0409	0	-0.0309
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	-0.0011	0	0.063	-0.0144	0	0.0301	0	-0.022
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	-0.0007	-0.0007	0.0662	-0.0205	-0.0012	0.0469	0	-0.0529
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	-0.0019	-0.0014	0.0677	-0.0202	0.0513	0.0259	0	-0.0468
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0.036	-0.0002	-0.0021	0.0645	0.0096	-0.0008	0.0205	0	-0.027
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0.0398	0.0092	0	0.0259	0.0145	0.0016	0.0076	0	-0.0294
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	0	-0.0001	0.0798	-0.0331	0.0256	0.0036	0	-0.0328
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	-0.0013	-0.0001	0.0989	-0.034	0	0.0039	0	-0.0251
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	-0.0017	0	0.0798	-0.0136	0.0301	0.0121	0	-0.0196
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0.0411	-0.0018	-0.0005	0.0571	0.0097	-0.0018	0.036	0	-0.0347
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	0.0203	0.0057	0.0673	0.0307	0.0523	0.0431	0	-0.0873
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	0.0085	0.0011	-0.0001	0.0003	-0.0006	0	0	-0.0042
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0.0018	-0.0038	-0.0016	0.0601	-0.0117	0.0134	0.0177	0	-0.0229
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	-0.0008	-0.0007	0.0595	-0.009	0.023	0.0051	0	-0.0135
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	0	-0.0013	0.0709	-0.0119	0.0265	-0.0119	0	-0.0178
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	-0.0005	-0.0013	0.0159	-0.0061	0.039	-0.0066	0	-0.0115
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	0.0399	0.0057	0.0642	0.033	0.0424	0.0326	0	-0.0625
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0.0155	-0.001	0.0163	0.0634	0.0176	0	0.0168	0	-0.0276
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	-0.0013	0	0.0704	-0.0128	0.0206	0.0128	0	-0.0343
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	-0.0022	-0.0006	0.0733	-0.0021	-0.0026	0.0163	0	-0.0278
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	-0.0024	-0.0001	0.0566	-0.0169	0.0415	0.0211	0	-0.0389
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	-0.0013	0	0.0533	0.0089	0.0109	0.0284	0	-0.0331

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	-0.0016	-0.0001	0.0836	-0.0134	-0.0004	0.0686	0	-0.0524
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	-0.0018	-0.0003	0.0365	0.0193	0.0119	0.0119	0	-0.0127
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0.0455	-0.0006	-0.0002	0.0985	-0.0117	0.0321	0.0849	0	-0.0371
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	-0.0012	0	0.1049	0.0364	0.0228	0.0807	0	-0.0592
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	-0.0012	-0.0005	0.0605	-0.0129	0.0194	0.0204	0	-0.0225
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0.0246	0.0022	0.0025	0.034	0.001	-0.0048	-0.0017	0	-0.029
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0.0162	0	0	0.039	0.0032	-0.0015	0.0058	0	-0.022
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	-0.0006	0	0	0	-0.0032	0.0315	0	-0.0221
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	0	0	0.0611	0.0608	0	0.0608	0	-0.0402
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	-0.0009	-0.0058	-0.0004	0.0408	0.0177	-0.0031	0.0057	0	-0.0294
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0.0169	-0.0023	-0.0002	0.027	-0.0003	0.0215	0.0061	0	-0.0334
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0.0041	0.0123	0.0187	0.0594	-0.0032	0.0207	-0.0269	0	-0.0237
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	-0.0001	-0.0003	0.0186	-0.0011	0.0144	0.0055	0	-0.0187
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	0.0438	0.0211	0.0803	0.0131	0.0125	-0.0108	0	-0.0654
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0.0029	0	-0.0007	0.0297	-0.0022	0.0039	0.0061	0	-0.0192
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	0.0202	0	0.0753	0.0009	0.0221	-0.045	0	-0.0311
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	-0.0011	-0.0001	0.0279	0.0277	0.0273	-0.0562	0	-0.0296
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	0.0191	0.0042	0.0284	0.008	0.0232	0.0029	0	-0.0428
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0.0345	0.0045	-0.0016	0.0462	0.0069	-0.0027	-0.002	0	-0.0368
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	-0.0009	-0.0007	0.0274	-0.0031	0.0235	0.0093	0	-0.0254
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0.0008	-0.0009	-0.0005	0.0518	0	0.0076	0.011	0	-0.0315
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	-0.0007	-0.0003	0	0.0187	0.0188	0.0153	-0.004	0	-0.0307
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	0	-0.0006	0.0492	0.013	-0.0019	0.0124	0	-0.0281
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	-0.0004	0	-0.0012	0	-0.0028	-0.0041	0.0431	0	-0.0281
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0.0147	0	-0.0007	0.0061	0.0318	0.0279	-0.0033	0	-0.0439
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0	0	0	0.039	0.0367	-0.0684	0	-0.0252
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0.0011	-0.0004	-0.0002	0.0393	0	0.0057	0.0088	0	-0.0215
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0.004	-0.0005	-0.0003	0.0201	0.0176	0.0152	-0.0031	0	-0.0287
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	-0.0011	0	0.0133	-0.021	0.0643	0	0.0643	0	-0.0372
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0.0046	0	0.0017	-0.0414	0.1466	0	0.0036	0	0.0011
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0.0142	0.032	0.0048	-0.0108	0.0108	-0.0038	-0.0099	0	-0.0041
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	-0.002	-0.0006	0.0707	-0.0003	-0.0031	0.0192	0	-0.0349
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	-0.0004	0	-0.0011	0.041	-0.0003	-0.0033	0.0054	0	-0.0321
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	-0.0004	0.0277	0.0572	0.0268	0.0116	-0.0157	0	-0.0393
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	-0.0015	0	0.0598	0.0001	0.0139	0.0133	0	-0.0373
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0.0216	-0.002	0.0027	0.0277	0.0278	0.0239	-0.0051	0	-0.0449
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0.0335	0.0036	0.0005	0.0424	0.0085	0	0.1191	0	-0.0223
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	-0.0004	-0.0005	0.0194	0.0325	0.0318	-0.037	0	-0.0349
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	0	0	0.0312	0.0213	0.0264	0.0029	0	-0.0489
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	-0.0007	0	0.0577	-0.0021	-0.0017	0.0138	0	-0.0301
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	-0.0005	-0.0171	-0.0019	-0.0509	0.0803	0	0.0803	0	-0.0179
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0.0578	0.0125	0.0015	0.048	0.0079	0.0027	0.0027	0	-0.0426
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	-0.0017	0.0069	-0.0473	0.0335	-0.0013	-0.0072	0	-0.0171
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0.0008	-0.0004	0	0.045	0.0009	0.0072	0.0097	0	-0.0276
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0.0062	0.0074	-0.0011	0.0152	0.0234	0.0236	-0.0241	0	-0.023
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	-0.001	-0.0003	0.0608	-0.0029	0.0153	0.0145	0	-0.0357
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0.0623	0	0.0058	0.0506	0.0072	0.0054	0.0048	0	-0.0449
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	0.0185	0.0025	0.0697	0.011	0.0116	0.0111	0	-0.0507
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	0	-0.0007	0.0104	-0.0016	0.0054	0.002	0	-0.01

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Cs+	I_Ca2+	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0.007	-0.0001	0.0089	-0.047	0.0619	0	0.0619	0	-0.0002
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	-0.0003	0	0.0322	-0.0001	0.027	0.0094	0	-0.0318

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	-0.0024	0	0	-0.0031	0	0	0	0.041
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0.0004	-0.0017	0	0	-0.0014	0	0	0	-0.0007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	-0.0034	0	0	0.003	0	0	0	0.0305
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	-0.0003	0	0	0.0033	0	0	0	0.0184
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	-0.0029	0	0	0.0009	0	0	0.0208	0.0144
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	-0.0025	0	0	-0.004	0	0	0	0.031
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	0.0007	0	0	-0.0025	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	-0.003	0	-0.0054	0.002	0	0	0	0.0123
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	0.0009	0	0	-0.0024	0	0	0	-0.0001
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	-0.002	0	0	-0.0019	0	0	0	0.0168
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0	-0.0017	0.0205	0.0103	-0.0013	0	0	0	0.0283
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	-0.0023	0	-0.0185	-0.001	0	0	0	0.0999
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0	0.0017	0	0	-0.0022	0	0	0	-0.0007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	-0.0021	0	0	-0.0043	0	0	0	0.0005
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	-0.0024	0	0	-0.0004	0	0	0	0.0177
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0	-0.0027	0.0011	-0.0195	-0.01	0	0	0	0.0408
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0.012	-0.0033	0	-0.0068	-0.0039	0	0	0	-0.0095
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	-0.0025	0	0	0.004	0	0	0	0.0403
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	-0.002	0	0	-0.0026	0	0	0	0.0513
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	-0.0036	0	0	-0.0016	0.0024	0	0	0.0407
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	-0.0018	0.0079	-0.0126	-0.0019	0	0	0	0.0422
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	-0.0042	0	-0.0146	0	0.0088	0	0	0.0395
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0.0009	0	0	-0.0014	0	0	0	-0.0003
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0.0035	-0.0034	0	0	-0.0034	0	0	0	0.0016
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	-0.0044	0	-0.0199	-0.0029	0	0	0	0.0373
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0.0028	-0.0019	-0.0015	-0.0019	-0.0033	0	0	0	0.0008
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0.0055	-0.001	0	-0.0139	-0.0022	0	0	0	-0.0058
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	-0.0036	0.0065	-0.0444	-0.003	0	0	0	0.0662
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	-0.0035	0	0	0.0037	0	0	0	0.0276
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	-0.002	0	0	-0.0027	0	0	0.0114	0.0083
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	-0.0033	0	0	0.0041	0	0	0.018	0.0128
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	-0.0041	0	0.0124	-0.002	0	0	0	0.0344
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	-0.0023	0	0	0.0093	0	0	0	0.0557
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	-0.0013	0	0	-0.0026	0	0	0	0.0015
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	-0.0037	0	0	0.0046	0	0	0	0.0299
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0	-0.0012	0	0.02	-0.013	0	0	0	0.1395
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	-0.0016	0	0	-0.0025	0	0	0	0.0157
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	-0.002	0	0	-0.0085	0	0	0	0.007
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0	-0.0014	0	0	-0.0045	0	0	0	0.004
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	-0.0014	0.0121	0.0023	-0.0012	0	0	0	0.092
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	-0.003	0	0	-0.001	0	0	0	0.0436
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	-0.0024	0	-0.0456	0.0029	0	0	0	0.0456
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0	-0.0031	0	0	-0.0014	0	0	0	-0.0004
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	-0.003	0	0	-0.0047	0	0	0	0.0124
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	-0.0048	0	0	-0.0045	0	0	0	0.0154
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	-0.0035	0	0	-0.0066	0	0	0	0.0464
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	-0.0031	0	0	-0.0094	0	0	0	0.027
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	-0.002	0	0	-0.0029	0	0	0	0.0135
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	-0.0015	0	0	-0.0046	0	0	0	0.0234

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	4	0	-0.0025	0	0	-0.0018	0	0	0	0.0129
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_5_mica	5	0	-0.0039	0	0	0.0058	0	0	0	0.0652
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	1	0.0016	-0.0011	0	0	-0.0123	0	0	0	0.0006
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	2	0.0005	-0.0032	0	0	-0.005	0	0	0	0.0006
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_6_mica	3	0	-0.0014	0	0	-0.0067	0.0035	0	0	0.0233
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	1	0	-0.0029	0	0	-0.0153	0	0	0	0.0081
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	2	0	-0.0029	0	0	-0.0021	0	0	0.0015	0.0011
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	3	0.0018	-0.0029	0	-0.001	-0.0006	0	0	0	-0.0009
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	4	0.0204	-0.0028	0	-0.0438	-0.0069	0	0	0	-0.0173
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_Ivo-GMARCE_8_mica	5	0	-0.0024	0	0	-0.0094	0	0	0	0.0084
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	1	0	-0.0028	0	0	-0.0207	0	0	0	0.0124
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	2	0	-0.0026	0	0	0.0125	0	0	0	0.0427
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_10_mica	3	0	-0.004	0	0	-0.001	0	0	0	0.0254
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	1	0	-0.0038	0	-0.0334	-0.0073	0	0	0	0.0313
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	2	0	-0.0041	0	-0.0111	-0.0131	0	0	0	0.0006
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	3	0.0008	-0.0047	0	-0.032	-0.0257	0	0	0	-0.0126
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	4	0	-0.0029	0.0056	0	-0.0234	0	0	0	0.019
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_1_mica	5	0	-0.0029	0	0	0.0151	0	0	0	0.0757
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	1	0	-0.0015	0	-0.0288	-0.0001	0	0	0	0.0227
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	2	0	-0.0027	0	0	-0.0056	0	0	0	0.0365
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	3	0	-0.0044	0	0	-0.0045	0	0	0	0.0181
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	4	0	-0.0027	0	0	-0.0054	0	0	0.0083	0.0083
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_2_mica	5	0	-0.0037	0	0	-0.0201	0	0	0	0.0153
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	1	0	-0.0014	0	0	-0.0185	0	0	0	0.025
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	2	0	-0.0039	0	0	-0.0135	0	0	0	0.0076
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	3	0	-0.0043	0	0	0.0057	0	0	0	0.0316
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica	4	0	-0.0034	0	0	0.0115	0	0	0	0.0344
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	1	0	-0.0023	0	-0.1319	0	0	0	0	0.0987
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	2	0	-0.0011	0	0	0	0	0	0	0.0022
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_3_mica_b	3	0	-0.0012	0	-0.0359	0	0	0	0	0.0125
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	1	0	-0.0026	0	-0.0288	-0.0096	0	0	0	0.0422
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	2	0	-0.0057	0	0	0.0007	0	0	0	0.0083
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	3	0	-0.0032	0	0	-0.0239	0	0	0	0.0336
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	4	0	-0.004	0	0	0.0238	0	0	0	0.0981
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_4_mica	5	0	-0.0036	0	0	-0.0051	0	0	0	0.0177
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	1	0	-0.0019	0	-0.1111	-0.0037	0	0	0	0.0996
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	2	0	-0.0026	0	-0.0365	-0.0016	0	0	0	0.0311
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_b	3	0	-0.0042	0.0024	-0.076	-0.0041	0	0	0	0.012
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	1	0	-0.0032	0	0	-0.0237	0	0	0	0.0158
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	2	0	-0.0004	0	0	0.0302	0	0	0	0.1179
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_6_mica_n	3	0	-0.0024	0	0	-0.0288	0	0	0	0.0302
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	1	0.0056	-0.003	0	-0.0552	-0.0138	0	0	0	-0.0061
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	2	0	-0.0054	0	0	-0.0208	0	0	0	0.0104
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	3	0	-0.0011	0.0191	-0.0281	-0.0051	0	0	0	0.0319
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	4	0	-0.0028	-0.0017	-0.028	-0.001	0	0	0	0.0166
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	5	0	-0.0024	0	-0.0103	-0.0035	0	0	0	-0.0018
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_7_mica	6	0	-0.0052	0	0	-0.0031	0	0	0.003	0.0023
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	1	0.0084	-0.0009	0	-0.0176	-0.0147	0	0	0	-0.0157
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_Ivo-GMED1_8_mica	2	0.002	-0.0013	0	-0.0081	-0.0035	0	0	0	-0.0001

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0.0083	-0.0015	0	-0.0128	-0.0113	0	0	0	-0.0145
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0.0031	-0.0026	0	-0.0165	-0.0116	0.0021	0	0	-0.007
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0.0005	-0.0036	0	-0.006	-0.0023	0	0	0	0.0005
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0.0027	-0.0014	0	0.0009	-0.0047	0	0	0	-0.0003
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	-0.0017	0	0.0186	-0.0014	0.0195	0	0	0.0167
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	-0.0048	0	0	0.0157	0	0	0	0.0549
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	-0.0016	0	-0.0078	0.0125	0	0	0	0.0169
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	-0.0029	0	0	0.0015	0	0	0	0.0374
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	-0.0017	0.0108	0	-0.0198	0	0	0	0.025
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	-0.0021	0	0	0.016	0	0	0	0.0465
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	-0.0037	0	-0.0379	-0.0011	0	0	0	0.1081
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	-0.0032	0	-0.034	-0.0009	0	0	0	0.0842
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	-0.0038	0	0	-0.0059	0	0	0	0.087
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	-0.0031	-0.0009	-0.0284	-0.0044	0	0	0	0.074
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	-0.0043	0	-0.0545	-0.0095	0	0	0.1034	0.0807
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	-0.003	0	-0.0157	-0.0027	0	0	0	0.0678
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	-0.0036	0	-0.0182	-0.0094	0	0	0	0.0554
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	-0.0044	0	-0.0379	-0.007	0	0	0	0.1037
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0	-0.0006	0.0455	-0.0512	-0.0037	0	0	0	0.1644
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	-0.0018	0.032	-0.0352	-0.0093	0	0	0	0.1624
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	-0.002	0	-0.0429	-0.0069	0	0	0	0.1515
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0	-0.0028	0	-0.039	-0.0013	0	0	0	0.1412
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	-0.0048	0	-0.0528	-0.0033	0	0	0	0.094
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0.0008	-0.0035	0	-0.0035	-0.0068	0	0	0	0.0032
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	-0.0064	0.0525	-0.0461	-0.0008	0	0	0	0.0619
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	-0.0042	0	-0.0362	-0.0114	0	0	0	0.0214
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0	-0.0054	0	0	0.0046	0	0	0	0.0903
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	-0.0014	0	-0.028	0.02	0	0	0	0.1192
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	-0.0031	0	-0.0191	-0.0058	0	0	0.0494	0.0345
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0.0069	-0.0052	0	-0.045	0.0033	0	0	0	-0.0051
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	-0.0053	0	-0.0131	-0.0113	0	0	0.0876	0.0655
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	-0.0045	0.0409	-0.0524	-0.0152	0	0	0	0.0989
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	-0.0021	0	-0.015	-0.0066	0	0	0	0.069
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	-0.003	0	-0.0548	-0.004	0	0	0	0.1406
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	-0.0033	0	-0.0221	-0.0032	0	0	0	0.0369
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	-0.0043	0	-0.0153	-0.0015	0	0	0	0.0283
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	-0.0031	0.0198	-0.0332	0.0034	0	0	0	0.0344
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	-0.0027	-0.001	-0.0158	0.0066	0	0	0	0.0251
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	-0.0035	-0.0004	-0.0192	0.0066	0	0	0	0.0234
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	-0.0031	0	-0.0327	0.0042	0	0	0.1107	0.0872
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	-0.0018	0	-0.0401	-0.0101	0	0	0.0199	0.0155
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0	-0.0037	0	-0.0037	-0.0018	0	0	0	-0.0003
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	-0.0036	0.0095	-0.0349	0.0045	0	0	0	0.0135
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0	-0.003	0	-0.0151	-0.0016	0	0	0	-0.004
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0	0	-0.0007	-0.0292	-0.003	0	0	0	0.0047
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	-0.004	0	-0.0325	-0.0076	0	0	0	0.0316
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	-0.0036	0	0	-0.0036	0	0	0	0.0179
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	-0.0031	0	0	0.0037	0	0	0	0.0201
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	-0.0035	0	0	-0.006	0	0	0	0.0206

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	-0.0005	0	-0.026	-0.0098	0	0	0	0.0468
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	-0.0028	0.0036	0	-0.0097	0	0	0	0.0159
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	-0.0035	0	0	-0.0056	0	0	0	0.0038
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	-0.0019	0	0	0.0058	0	0	0	0.0184
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	-0.0016	0	0	-0.0031	0	0	0	0.0117
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0	-0.0022	0	-0.0328	-0.0029	0	0	0	0.0436
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	-0.002	0.0067	0	-0.0047	0	0	0	0.033
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	-0.0024	0	0	-0.0046	0	0	0	0.013
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	-0.0029	0	0	-0.0003	0	0	0	0.0065
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	-0.0029	0	0	-0.0021	0	0	0	0.0106
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	-0.0062	0	-0.017	0.0094	0	0	0	0.0143
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	-0.0036	0	0	-0.002	0	0	0	0.0189
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0	-0.0023	0	0	-0.0023	0	0	0	0.0103
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	-0.0023	0	0	0.0132	0	0	0	0.044
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	-0.0021	0	0	-0.0076	0	0	0	0.0461
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	-0.0001	0	-0.0032	-0.0025	0	0	0	-0.003
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	-0.0049	0	-0.0213	0.0172	0	0	0	0.0365
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0	0	-0.0107	-0.0039	0	0	0	-0.0029
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	0	-0.0024	-0.0319	-0.0069	0	0	0	-0.0062
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0.0042	0	-0.0024	-0.0323	-0.0047	0	0	0	-0.0073
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0	0	-0.0161	-0.0036	0	0	0	-0.0062
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	-0.0034	0	-0.0233	-0.004	0	0	0	0.0406
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	-0.0019	0	0	0.0001	0	0	0	0.0297
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0	-0.0037	0	0	-0.0029	0	0	0	0.0104
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	-0.0017	0	0	-0.0046	0	0	0	-0.0064
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	-0.0024	0	0	-0.0019	0	0	0	-0.0013
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	-0.0036	0	0	-0.0039	0	0	0	0.0179
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	-0.0035	0	0	-0.0026	0	0	0	0.0314
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	-0.0037	0	0	-0.0039	0	0	0	0.0209
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	-0.003	0	0	-0.0045	0	0	0.0135	0.0097
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	-0.0023	0	0	-0.0027	0	0	0	0.0078
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	-0.0023	0	0	0.0018	0	0	0	0.0165
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	-0.0037	0	0	-0.002	0	0	0	0.016
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	-0.0015	0	0	-0.0038	0	0	0	0.0347
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	-0.002	0	0	0.0103	0	0	0	0.0306
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	-0.0031	0	0	-0.011	0	0	0	0.0059
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	-0.0043	0	0	-0.0103	0	0	0	0.0051
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	-0.0016	0	0	-0.0128	0	0	0	-0.002
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0	-0.0046	0	0	-0.011	0	0	0	-0.0026
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0	-0.0027	0	-0.0027	-0.0013	0	0	0	0
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0	-0.0029	0	-0.0245	-0.0022	0	0	0	0.0549
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	-0.0038	0	0	0	0	0	0	0.0344
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	-0.0023	0	0	-0.0096	0	0	0	0.0067
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	-0.0031	0	0	-0.0033	0	0	0	0.0091
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	-0.0011	0	0	-0.0026	0	0	0	0.017
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0	-0.0027	0	0	-0.0027	0	0	0	0.0159
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	-0.0044	0	0	-0.0007	0	0	0.0021	0.0016
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	-0.0027	0	0	-0.0008	0	0	0	0.0341
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	0.0145	0	0	-0.0695	0	0	0	-0.007

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	-0.0055	0	0	-0.0046	0	0	0	0.0038
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0	0.0052	0	-0.0014	-0.0101	0	0	0	-0.0148
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0	-0.0028	0	0	-0.01	0	0	0	0.0208
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	-0.0006	0	0	-0.005	0	0	0	0.0363
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0	-0.0009	0	0	-0.0016	0	0	0	0.0266
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0	-0.0041	0	-0.0042	0.0096	0	0	0	0.0875
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	-0.0024	0	0	-0.0044	0	0	0	0.0301
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	-0.002	0	-0.0088	0.0012	0	0	0	0.0513
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	-0.0027	0	0	-0.0036	0	0	0	0.0258
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	-0.0018	0	0	-0.0024	0	0	0	0.0288
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0	-0.0028	0	-0.0413	-0.0003	0	0	0	0.0743
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0	-0.0025	0	0	-0.0023	0	0	0.0042	0.0027
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0	-0.0041	0	0	-0.0009	0	0	0.0027	0.0017
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	-0.0017	0	0	-0.0153	0	0	0	0.0241
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	-0.0029	0	0	0	0	0	0	0.0387
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	-0.0041	0	0	-0.0071	0	0	0	0.0397
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	-0.0054	0	0	-0.0054	0	0	0	0.0303
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0	-0.0033	0	0	-0.011	0	0	0	0.018
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	-0.0055	0	0	-0.0094	0	0	0	0.0182
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	-0.0038	0	0	-0.0066	0	0	0	0.0108
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	-0.0015	0	0	-0.0082	0	0	0	0.0139
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	-0.0031	0	0	-0.0028	0	0	0	0.0231
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0	-0.0028	0	-0.0296	0.0034	0	0	0	0.0257
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	-0.0049	0	0	-0.0116	0	0	0	0.0177
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0.0086	-0.0027	0	-0.0187	-0.0089	0	0	0	-0.0035
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	-0.0052	0	0	-0.0235	0	0	0	0.0355
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	-0.0027	0	0	-0.0071	0	0	0	0.0071
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	-0.0004	0	-0.0166	-0.0042	0	0	0	0.0295
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0	-0.0024	0	0	-0.0038	0	0	0	0.0265
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	-0.0035	0	0	-0.0063	0	0	0	0.0278
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0	-0.0022	0	-0.0112	-0.0027	0	0	0	0.0618
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	-0.0015	0	0	-0.0138	0	0	0	0.0158
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	-0.0038	0	0	-0.0093	0	0	0	0.0389
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	-0.0008	0	0	0.0021	0	0	0	0.0476
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	-0.0018	0	0	0.0031	0	0	0	0.0283
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	-0.0028	0	0	-0.0077	0	0	0	0.0084
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	-0.0034	0	0	-0.0032	0	0	0	0.0082
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	0.0005	0	0	-0.019	0	0	0	-0.0046
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0	0	0	0	-0.0032	0	0	0	0.0083
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	-0.0028	0	0	-0.0003	0	0	0	0.023
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	0.0019	0	0	-0.0083	0	0	0	-0.0009
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0.0036	0	0.0036	-0.0104	0	0	0	-0.0008
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0	-0.0045	0	0	-0.0019	0	0	0	0.0174
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	-0.0033	0	0	-0.0017	0	0	0	0.0327
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	0	0	0	-0.0001	0	0	0	0.0356
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	-0.0026	0	0	0	0	0	0	0.0409
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0	-0.0031	0	0	-0.0084	0	0	0	0.0098
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	-0.002	0	0	-0.0091	0	0	0	-0.0009
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0.0014	-0.0033	0	-0.004	-0.0033	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4	0	-0.0025	0	0	-0.0026	0	0	0	0.0013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5	0.0114	-0.0013	-0.0015	-0.0302	-0.0049	0	0	0	-0.0027
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1	0	-0.0035	0	0	-0.0095	0	0	0.0055	0.0035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2	0	-0.0039	-0.0005	-0.0053	0.0081	0	0	0	0.0247
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3	0	-0.0017	0	-0.0017	-0.001	0	0	0	-0.0006
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4	0	-0.0034	0	0	-0.0091	0	0	0	0.013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5	0.0063	-0.0009	0	-0.0009	-0.0056	0	0	0	-0.0116
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1	0	-0.0022	0	-0.0498	-0.0069	0	0	0	0.0523
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2	0	-0.0025	0	-0.0353	-0.0071	0	0	0	-0.0169
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3	0.0028	-0.0032	0	-0.0002	-0.0041	0	0	0	-0.0013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4	0.0037	-0.0033	0	0.0019	-0.0046	0	0	0	-0.0039
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5	0	-0.0033	0	0	-0.0034	0	0	0	0.0043
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6	0.0099	0.0033	0	-0.0062	-0.0026	0	0	0	-0.029
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7	0.0037	-0.0035	0	0.004	-0.0013	0	0	0	-0.0052
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2	0	-0.003	0	-0.0181	-0.0072	0	0	0	-0.0011
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3	0.0123	-0.0024	0	-0.0085	-0.0042	0	0	0	-0.0238
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4	0	-0.0027	0	0	-0.0095	0	0	0	0.031
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5	0	-0.0016	0	0	-0.0034	0	0	0	0.0013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1	0	-0.0024	0	0	-0.0047	0	0	0	0.0062
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2	0	-0.0028	0	0	-0.0077	0	0	0	0.0005
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3	0.0035	-0.002	0	0	-0.0069	0	0	0	-0.0107
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4	0	-0.0031	0	0	-0.0093	0	0	0	-0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5	0	-0.0021	0	0	-0.0075	0.0019	0	0	0.0206
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1	0	-0.0043	0	0	-0.0088	0	0	0	0.0035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2	0.0316	-0.0017	0	-0.0182	-0.0054	0	0	0	-0.0474
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3	0	-0.0031	0	0	-0.0073	0	0	0	-0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4	0.0045	0.0017	0	0	-0.005	0	0	0	-0.0103
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5	0	-0.0019	0	-0.0155	-0.0112	0	0	0	0.0199
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1	0	-0.003	0.0108	-0.0593	-0.0063	0	0	0	0.0346
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2	0	-0.003	0	-0.0161	-0.0092	0	0	0	-0.0043
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4	0	-0.002	0	0	-0.0012	0	0	0	0.0113
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5	0	-0.0024	0	0	0.0059	0	0	0	0.0337
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1	0	-0.0024	0	-0.024	-0.0102	0.0107	0	0	0.0337
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2	0.0024	-0.0026	0	-0.019	-0.0109	0	0	0	-0.0126
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3	0	-0.0021	0	0	-0.0083	0	0	0	0.0325
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4	0.0004	0.0001	0	0.0001	-0.0016	0	0	0	-0.0004
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5	0.0023	-0.0026	-0.0006	-0.0114	-0.0011	0	0	0	-0.0007
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1	0	-0.0021	0	-0.0175	-0.0082	0	0	0	0.0005
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2	0	-0.0028	0	-0.0028	-0.0078	0	0	0	-0.0173
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3	0	-0.0022	0	-0.0271	-0.0053	0	0	0	0.0195
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4	0	-0.0038	-0.0018	-0.0106	-0.0045	0	0	0	0.0194
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1	0	-0.0013	0	-0.0092	0	0	0	0	0.0566
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2	0	-0.0032	0	-0.0109	0	0.02	0	0	0.0966
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3	0	-0.0032	-0.0056	-0.0566	0	0	0	0	0.0756
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4	0	-0.0034	0	-0.0009	-0.0007	0	0	0.0239	0.0337
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5	0	-0.0021	0.0069	-0.008	-0.0002	0	0	0	0.0941
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6	0	-0.0034	0	0.0474	0	0.0114	0	0	0.2127
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1	0	-0.0029	0	-0.0136	0	0	0.0066	0.0022	-0.0011
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2	0	-0.0028	0	-0.0109	-0.0009	0	0	0	0.0053

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0	-0.0008	0	-0.0043	-0.0016	0	0	0.0106	0.0075
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	-0.0013	0	-0.0263	-0.0002	0	0	0	0.0126
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	-0.0051	0	-0.0238	0	0	0	0	0.0171
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	-0.0021	0	-0.016	0	0	0	0	0.0495
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0.003	-0.0035	0	-0.0102	0	0	0	0	0.0002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	-0.0006	0	-0.013	0	0	0	0	0.009
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0.0061	-0.0054	0	0.0471	-0.0021	0.0022	0	0	-0.0036
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	-0.0027	0	-0.0225	-0.0001	0	0	0	0.0049
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0	-0.0028	0	-0.0076	-0.0059	0	0	0	0.0167
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	-0.0026	0	-0.0095	-0.0002	0	0	0	-0.0016
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	-0.0009	0	-0.0009	-0.0012	0	0	0	-0.0198
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0.0005	-0.004	0	-0.0602	-0.0025	0	0	0	-0.0073
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0	-0.004	0	-0.0078	-0.0008	0	0	0	-0.0008
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0.0032	-0.0042	0	-0.0096	-0.0002	0	0	0	0.0001
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	-0.0018	0	-0.0282	-0.0011	0	0	0	-0.012
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0	-0.0035	0	-0.0109	-0.0007	0	0	0	0.0004
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0	-0.0031	0	-0.0163	-0.0016	0.0007	0	0	-0.0025
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0	-0.0048	0	-0.0107	-0.0003	0	0.0017	0	-0.0019
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0	-0.004	0	-0.0163	0	0	0	0	-0.0027
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	-0.0021	0	-0.0103	-0.0012	0	0	0	0.002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	-0.0035	0	0.0155	-0.0011	0	0	0	-0.0035
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	-0.0033	0	-0.0217	-0.0021	0	0	0	0.0058
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0	-0.0029	0	-0.0105	0	0	0	0	0.0016
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0.0135	-0.0034	0	-0.0083	-0.0007	0	0	0	-0.0082
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0	0.0057	0	0.0047	0.0094	0	0.0275	0	-0.021
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0	-0.0052	0	-0.0122	0	0	0	0	0.0076
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	-0.0025	0	-0.0064	0	0	0	0	0.0013
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0.0026	-0.0036	0	-0.009	-0.0025	0	0	0	-0.0005
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0.0094	-0.0011	0	-0.0014	0	0	0	0	-0.0115
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0.003	-0.0037	0	-0.0125	-0.0019	0	0	0	0
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0.003	-0.004	0	-0.0099	0	0	0	0	0.0002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	-0.0015	0	0.0041	0	0	0	0	-0.003
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0.0027	-0.0053	0	-0.0094	0	0	0	0	0.0002
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0	-0.0019	0	-0.0113	-0.0014	0	0	0	0.0026
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	-0.0022	0	-0.0145	-0.0009	0	0	0	0.0069
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	-0.0032	0	0	-0.0013	0	0	0	0.02
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0.0012	0	0	-0.0029	-0.0011	0	0	0	-0.0003
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	-0.0016	0.0015	-0.0482	-0.0025	0	0	0	0.0031
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	-0.0027	0	-0.0229	-0.0006	0	0	0	-0.003
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0.005	-0.0052	0	-0.0274	-0.0016	0	0	0	-0.0023
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	-0.002	0	-0.0123	-0.0009	0	0	0	0.0132
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	-0.0046	0	-0.0134	-0.0024	0	0	0	0.0043
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	-0.0027	0	0	-0.0021	0	0	0	0.0228
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0.0014	-0.001	0	-0.005	-0.0021	0	0	0	-0.0002
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	-0.0031	0	0	-0.0012	0	0	0	0.0208
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	-0.0026	0	0	0	0	0	0	0.0113
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	-0.0017	0	0	0	0	0	0	0.0258
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0.0026	-0.0028	0	-0.0053	-0.0008	0	0	0	-0.01
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	-0.004	0	0	0	0	0	0	0.021

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	-0.0044	0	0	-0.0011	0	0	0	-0.0058
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	-0.0026	0.0132	-0.074	-0.0008	0	0	0	0.1049
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	-0.0032	0	-0.0055	0	0	0	0.0164	0.015
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	-0.0041	0	0	0	0	0	0	0.0235
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	-0.0033	0	-0.0514	-0.0016	0	0	0.0165	0.015
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	-0.0025	0	-0.0622	-0.0004	0	0	0.0777	0.0736
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	-0.0016	0	-0.0477	-0.0002	0	0	0	0.0511
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	-0.0012	0	-0.0212	0	0	0	0	0.0056
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0	-0.0023	0	-0.0138	-0.0004	0	0	0	-0.0045
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0	-0.0021	0	-0.0093	-0.0001	0	0	0	0.009
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0	-0.0035	0	-0.0025	-0.0007	0	0.0157	0	-0.0028
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	-0.0021	0	-0.0087	-0.0006	0	0	0.0062	0.0022
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0	-0.0031	-0.0031	-0.072	0	0	0	0	0.0236
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	-0.0039	0	-0.0103	0	0	0	0	-0.0077
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0	-0.0023	0	-0.018	0	0	0	0	-0.0159
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	-0.004	0	-0.0477	0	0	0	0	0.0164
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.0002	0.0064	-0.0002	-0.0803	0	0	0	0	-0.0021
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	-0.002	0	-0.002	0	0	0	0	0.0208
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	-0.0006	0	-0.0115	-0.0008	0	0	0	0.0093
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	-0.0018	0	-0.0813	-0.0005	0	0.0265	0	-0.016
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	-0.0019	-0.0044	-0.06	-0.0015	0	0	0	0.02
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0.0018	-0.003	0	-0.0054	0	0	0	0	-0.0001
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0	-0.0018	0	-0.0152	-0.0013	0	0	0	0.0497
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	-0.0032	0	0	0	0	0	0	0.0003
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	-0.0036	0	0	0	0	0	0	-0.0039
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	-0.0017	0	0	0	0	0	0	0.0088
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	-0.0031	0	0	-0.0011	0	0	0	0.0354
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	-0.0041	-0.0006	-0.0373	0	0	0	0	0.0007
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	-0.0013	0	0	-0.0003	0	0	0	0.0267
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	-0.0044	0	0	0	0	0	0	0.024
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	-0.0018	0	0	0	0	0	0	0.014
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	-0.0032	0	0	0	0	0	0	0.034
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	-0.0043	0	0	0	0	0	0	0.039
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0	-0.0016	0	0	0	0	0	0	-0.004
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	-0.0028	0	0	-0.0017	0	0	0	0.0217
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	-0.0029	0	0	-0.0005	0	0	0	0.0289
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0	-0.0029	0	-0.0285	-0.0005	0	0	0	0.0259
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0.0169	0.0028	0	-0.0437	0.0024	0	0	0	-0.0178
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0	-0.0028	0	0	0	0	0	0	0.0108
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	-0.0033	0	0	-0.0016	0	0	0	0.0266
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0.0028	-0.0036	0	-0.074	0.0133	0	0	0	0.0095
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	-0.0034	0	0	0	0	0	0	0.0349
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0	-0.0022	0	0	0	0	0	0	0.0081
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	-0.0038	0	0	-0.0008	0	0	0	0.0128
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	-0.0024	0	0	-0.0001	0	0	0	0.0145
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	-0.0038	0	0	-0.0003	0	0	0	0.0318
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	-0.0028	0	-0.0525	0	0	0	0	0.001
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	-0.0056	0	0	-0.0004	0	0	0	0.0009
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	-0.0032	0	0	-0.001	0	0	0	0.0003

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	-0.0008	0	0	0	0	0	0	-0.0129
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	-0.0027	0	0	-0.0003	0	0	0	0.0227
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	-0.004	0	-0.0528	-0.0014	0	0	0	0.0212
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	-0.0024	0	0	-0.0006	0	0	0	0.0218
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	-0.0034	0	0	-0.0019	0	0	0	0.0214
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	-0.0035	0	-0.0389	-0.0002	0	0	0	0.016
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0	-0.004	0	0	-0.0019	0	0	0	0.0066
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	-0.0032	0	0	0	0	0	0	0.0153
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	-0.0043	0	0	0	0	0	0	0.0318
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0	-0.0051	0	0	0	0	0	0	0.0197
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	-0.0035	0	0	-0.005	0	0	0	0.0475
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0	-0.0024	0	0	-0.0063	0	0	0	-0.0032
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	-0.0033	0	0	-0.0042	0	0	0	0.0299
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	-0.0022	0.0021	0	-0.0038	0	0	0	0.0142
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	-0.0021	0	0	0.0008	0	0	0	0.0112
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	-0.0043	0	-0.0428	-0.0038	0	0	0.0274	0.02
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0	-0.0012	0	0	-0.0027	0	0	0	0.0101
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	-0.002	0	0	-0.0033	0	0	0	0.0124
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0	-0.0028	-0.0043	-0.0599	-0.0197	0	0	0	0.0314
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0.0018	-0.0037	-0.0015	-0.0383	-0.0042	0	0	0	-0.0012
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	-0.0029	0	0	-0.0061	0	0	0	0.0136
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	-0.0025	0	0	-0.021	0	0	0	-0.0046
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0	-0.0024	-0.0007	-0.0554	0.0194	0	0	0	0.0197
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0	-0.0031	0	-0.0054	-0.0029	0	0	0	-0.0014
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	-0.0027	0	0	-0.0188	0	0	0	0.0163
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	-0.0013	0	-0.004	-0.0054	0	0	0	-0.0007
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	-0.002	0	-0.0392	-0.0049	0	0	0	0.0314
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	-0.0036	0	0	-0.0045	0	0	0	0.0078
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	-0.0022	0	0	-0.0034	0	0	0	0.0068
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0.0139	-0.0031	0	-0.019	-0.0024	0	0	0	-0.0175
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	-0.0002	0	0	-0.0029	0	0	0	0.0138
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	-0.003	0	0	-0.0008	0	0	0	0.0141
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0	-0.0036	0	-0.0182	-0.0068	0	0	0	0.0001
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	-0.0044	0	0	-0.0111	0	0	0	0.002
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0	-0.0013	-0.0042	-0.053	0.0009	0	0	0	0.0319
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0	-0.0022	0	0	-0.0059	0	0	0	0.0182
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	-0.0021	0	0	-0.0052	0	0	0	0.023
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0.0069	-0.0029	0	-0.0633	-0.0254	0	0	0	-0.009
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	-0.0048	0.0062	0	-0.0237	0	0	0	0.0185
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	-0.003	0	0	-0.013	0	0	0	0.0159
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	-0.0043	0	0	-0.0439	0	0	0	-0.0093
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	-0.0103	0	0	-0.03	0	0	0	-0.0027
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0.0098	-0.0032	-0.0021	-0.0574	-0.0379	0	0	0	-0.0199
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	-0.0028	0	0	-0.0302	0	0	0	-0.0133
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0.0007	-0.0011	0	-0.009	-0.0033	0	0	0	-0.0016
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0.0185	-0.0029	0	-0.0038	-0.0098	0	0	0	-0.0228
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0.0111	-0.0019	-0.0024	-0.0583	-0.0081	0	0	0	-0.0136
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0	-0.0045	-0.0028	-0.0356	-0.0006	0	0	0	0.0091
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	-0.002	0	0	0.0063	0	0	0	0.0449

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0	-0.002	-0.0026	-0.0377	-0.0059	0	0	0	-0.0029
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	-0.0046	0	0	-0.0224	0	0	0	0.0009
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0.0106	-0.0058	-0.0025	-0.0944	-0.0334	0	0	0	-0.0245
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	-0.0043	0	0	-0.0354	0	0	0	-0.0099
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	-0.0018	0	0	-0.0131	0	0	0	0.024
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	-0.0023	-0.0038	-0.0775	0.013	0	0	0	0.0106
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0.0077	-0.0026	0	0.0083	-0.007	0	0	0	-0.0142
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	-0.0032	0	0	-0.0082	0	0	0	0.0368
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	-0.0031	0	0	-0.0023	0	0	0	0.0175
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	-0.0038	0	-0.0038	-0.0172	0	0	0	-0.0099
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	-0.002	0	-0.0034	0.0086	0	0	0	0.0358
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	-0.0034	0	0	-0.0161	0	0	0	0.0274
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	-0.0032	0	0	-0.009	0	0	0	0.0058
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	-0.0038	-0.0053	-0.069	-0.0151	0	0	0	-0.0105
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	-0.0028	0	0	-0.0012	0	0	0	0.0473
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	-0.0037	0	0	-0.0071	0	0	0	0.0342
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	-0.0034	0	0	0.0023	0	0	0	0.0432
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0	-0.0019	0	-0.0019	-0.0016	0	0	0	-0.0006
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	-0.0019	0	0	-0.003	0	0	0	0.0491
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	-0.003	0	-0.0362	-0.0039	0.0009	0	0	-0.0209
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	-0.0035	0	0	-0.0034	0	0	0	0.0514
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	0	-0.0055	0	0	-0.0074	0	0	0	0.0134
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	0	0	-0.0021	-0.0684	-0.0049	0	0	0	0.0233
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0	-0.0035	0	0	0.0001	0	0	0	0.0115
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	-0.0043	0	0	-0.0083	0	0	0	0.0072
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0.0106	-0.0023	-0.0036	-0.0796	0	0	0	0	-0.0114
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0	-0.003	0	-0.0114	-0.0132	0	0	0	-0.0041
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0	-0.0025	0	-0.0025	-0.0012	0	0	0	-0.0008
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0	-0.0052	0	0	0.0097	0	0	0	0.0483
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0	-0.0029	0	0	0	0	0	0	0.0219
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	-0.0019	0	0	0	0	0	0	-0.0111
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	-0.0022	0	-0.0232	0.0207	0	0	0	-0.1258
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	-0.0015	-0.0032	-0.0489	-0.0027	0	0	0	0.0236
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0	-0.004	-0.0034	-0.0633	-0.0096	0	0	0	0.0078
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	-0.0008	-0.0009	-0.0452	-0.0031	0	0	0	-0.0066
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	-0.0014	0	-0.062	-0.0037	0	0	0.0099	0.0083
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	-0.0031	-0.0015	-0.068	-0.006	0	0	0	0.0187
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0.0047	-0.0035	0	-0.0772	-0.0233	0	0	0	-0.0231
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0.0021	-0.0044	0.0001	-0.0044	-0.0013	0	0	0	-0.0014
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	-0.0009	0	-0.0009	-0.0004	0	0	0.0001	0.0001
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	-0.0042	0	-0.0006	-0.0004	0	0	0	-0.0011
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	-0.0014	0	0	-0.003	0	0	0	0.0433
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0.0279	-0.0017	0	-0.07	-0.0056	0	0	0	-0.0763
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	-0.0041	0	0	-0.0113	0	0	0	0.0462
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	-0.0042	0	0	-0.0062	0	0	0	0.0383
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	-0.0011	0	0	0.003	0	0	0	0.0099
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	-0.0044	0	0	0.0041	0	0	0	0.0403
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	-0.0003	0	0	0.013	0	0	0	0.0784
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	-0.004	0	0	0.004	0	0	0	0.0542

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	-0.0039	0	0.003	-0.0009	0	0	0	0.0162
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	-0.0015	0	0	-0.0053	0	0	0	0.0053
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0.0137	-0.0033	0	-0.0176	-0.0061	0	0	0	-0.0139
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	-0.0029	0	0	-0.0088	0	0	0.0076	0.0076
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	-0.004	0	0	-0.0033	0	0	0	0.0101
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	-0.003	0	0	-0.0153	0	0	0	0.0213
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	-0.0037	0	0	0.0052	0	0	0	0.0553
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	-0.0025	0	0	-0.0082	0	0	0	0.0107
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	-0.0022	0	0	-0.0121	0	0	0	0.0213
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0	-0.0034	0	0	-0.0118	0	0	0	0.0413
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0.0146	-0.0015	0	-0.0178	-0.0125	0	0	0	-0.0173
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	-0.0022	0	0	-0.0011	0	0	0	-0.0131
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	-0.0017	0	-0.0224	0.0025	0	0	0	0.0176
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	-0.003	0	0	-0.0038	0	0	0	0.026
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	-0.0036	0	0	-0.0055	0	0	0	0.0306
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	-0.0041	0	0	-0.0022	0	0	0	0.038
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0	-0.0063	0	0	-0.0046	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	-0.0029	0	0	-0.0026	0	0	0	0.0622
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	-0.0026	0	-0.0114	0.0017	0	0	0	0.07
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	-0.0025	0	-0.0212	0.0022	0	0	0	0.0665
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	-0.0047	0	0	-0.0019	0	0	0	0.0061
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0	-0.0031	0	0	0	0	0	0	0.0009
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	-0.0043	0.0066	0	-0.005	0	0	0	0.0219
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	-0.0026	0	0	-0.0138	0	0	0	0.0238
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	-0.0036	0	0	-0.0125	0	0	0	0.0155
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	-0.0027	-0.0033	-0.0564	-0.0003	0	0	0	0.0041
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0	-0.0028	0	0	-0.0121	0	0	0	-0.002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	-0.003	0	0	0.0075	0	0	0	0.0139
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	-0.0027	0	0	-0.0049	0	0	0	0.0253
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	-0.0043	0	-0.024	0.0102	0	0	0	0.0422
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0	-0.0012	0	0	-0.0161	0	0	0	0.0261
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0.0013	-0.0026	0	-0.0036	-0.0009	0	0	0	-0.0009
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	-0.0025	0	0	0.0011	0	0	0	0.0031
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	-0.0036	0	0	-0.0203	0	0	0	0.015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	-0.0034	0	-0.2425	-0.0236	0	0	0	-0.0443
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	-0.001	0	-0.2122	-0.0191	0	0	0	-0.0101
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	-0.0028	0	-0.0338	0.0041	0	0	0	0.0273
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0	-0.0013	0	0	-0.0127	0	0	0	-0.0017
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	-0.0033	0	0	-0.0133	0	0	0	0.0136
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	-0.0002	0	-0.0002	-0.0001	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	-0.0054	0	-0.0582	-0.0169	0	0	0	0.0143
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	-0.0027	0.0051	0	-0.0076	0	0	0	0.0209
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	-0.0026	0	0	-0.0076	0	0	0	0.0001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	-0.003	0	0	0.0133	0	0	0	0.0327
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	-0.0016	0	0	-0.0141	0	0	0	-0.0022
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	-0.0022	0	0	-0.0152	0	0	0	-0.0032
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	-0.0037	-0.0051	-0.0977	-0.0104	0	0	0	-0.0293
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	-0.0036	0	0	-0.0185	0	0	0	-0.0048
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	-0.0032	0	-0.0029	-0.0116	0	0	0	0.0123

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	-0.0022	0	-0.0101	-0.0137	0	0	0	0.0108
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	-0.0045	0	0	0.0114	0	0	0	0.0314
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	-0.0033	0	0	-0.0002	0	0	0	0.0233
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0	-0.0032	0	0	-0.0065	0	0	0	0.0135
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	-0.0047	-0.0014	-0.0552	-0.0132	0	0	0	-0.0109
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	-0.0011	-0.0028	-0.0895	0.005	0	0	0	-0.0153
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	-0.0009	-0.0028	-0.0506	-0.0172	0	0	0	-0.0095
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	-0.0038	0	0	0.0039	0	0	0	-0.0085
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	-0.0023	0	0	-0.0061	0	0	0	-0.0025
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	-0.0027	0	0	-0.0036	0	0	0	0.0278
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	-0.0017	0	0	-0.0099	0	0	0	0.0015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	-0.0011	0	0	0.0045	0	0	0	0.0234
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	-0.0042	0	0.0204	0.0034	0	0	0	0.0663
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	-0.0022	0	0	-0.0034	0	0	0	0.0139
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0	-0.0034	0	0	-0.0035	0	0	0	0.0015
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	-0.0039	0	0	-0.0172	0	0	0	0.0105
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0.0234	0.0091	0	-0.0474	-0.0178	0	0	0	-0.0542
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	-0.0021	0	0	-0.0094	0	0	0	0.0134
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0	-0.003	0	0	-0.0048	0	0	0	0.0223
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0	-0.0009	0	0	-0.0066	0	0	0	-0.0025
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	-0.0043	0	0	-0.006	0	0	0	0.0313
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	-0.0025	0	0	-0.0049	0	0	0	0.0206
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	-0.0008	0	0	-0.0053	0	0	0	0.0135
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	-0.0033	0	0	0.0021	0	0	0	0.0278
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	-0.0023	0	0	0.0004	0	0	0	0.0096
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	-0.0025	0	0	-0.0089	0	0	0	0.0147
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0	-0.0035	0	0	-0.0009	0	0	0	0.0193
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	-0.0021	0	0	-0.0092	0	0	0	-0.0031
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	-0.0023	0	0	-0.0149	0	0	0	-0.0052
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	-0.002	0	0	-0.0025	0	0	0	0.008
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0.0005	-0.0013	0	0	-0.0027	0	0	0	0.0004
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	-0.0023	0	0	-0.0025	0	0	0	0.0135
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	-0.0007	0	0	0	0	0	0	0.0169
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0.0001	-0.0018	0	0	0.0011	0	0	0	-0.0032
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0.005	0	0	-0.0179	0	0	0	0	-0.0073
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0.0137	0	-0.0019	-0.028	0	0	0	0	-0.0326
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0	0	0	-0.0058	0	0	0	0	-0.0008
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	-0.0047	0.0075	0	-0.0013	0	0	0	0.0188
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	-0.0017	0	0	0	0	0	0	0.0019
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0	-0.0019	0.001	0	-0.0007	0	0	0	-0.0018
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	-0.0034	0	0	0.0024	0	0	0	0.0203
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	-0.0023	0	0	0	0	0	0	0.0294
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	-0.0017	0	0	-0.0008	0	0	0	0.0669
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0.0048	-0.0006	0	0.0073	0.0008	0	0	0	-0.0131
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	-0.0004	0	-0.0041	-0.0017	0	0	0	-0.0177
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0.0053	-0.0015	0	-0.0233	0	0	0	0	-0.0072
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	-0.0021	0	-0.0732	0	0	0	0	-0.1363
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0	-0.0025	0	-0.0175	0	0	0	0	0.0126
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0.0205	-0.0013	0	-0.0536	0	0	0	0	-0.0338

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0.011	-0.0033	0	-0.0242	-0.0012	0	0	0	-0.0017
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0.0084	-0.0049	0	-0.0122	0	0	0	0	-0.0124
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0	-0.0037	0	0.0123	-0.0015	0	0	0	-0.0105
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0.0051	-0.0025	0	-0.0339	-0.0022	0	0	0	-0.0087
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0.0071	-0.0023	0	-0.0045	0	0	0	0	-0.0104
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0.0001	-0.0022	0	-0.0156	-0.0007	0	0	0	0.0026
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	-0.0017	0	0	-0.0011	0	0	0	0.0429
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0	-0.0026	0	-0.0091	-0.002	0	0	0	-0.0014
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	-0.0045	-0.0052	-0.062	0.004	0	0	0	0.0141
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0.0032	-0.0039	0	-0.0071	-0.0007	0	0	0	-0.0005
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	0	0	-0.0491	-0.0033	0	0	0	0.0162
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0.0066	-0.0019	-0.006	-0.0834	0.0045	0	0	0	-0.0019
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	-0.0047	0	0	-0.0023	0	0	0	0.0307
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	-0.004	0	0	-0.0005	0	0	0	0.0345
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	-0.003	-0.0058	-0.0867	0.0022	0	0	0	0.0262
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0	-0.003	0	-0.0192	-0.0021	0	0	0	0.0158
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0.0004	-0.0021	-0.0008	-0.0714	0.0036	0	0	0	0.0044
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0.0024	-0.0018	0	-0.0018	-0.0018	0	0	0	-0.0085
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	-0.0034	0	-0.0424	-0.0013	0	0	0	-0.0209
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	-0.0009	0.0004	-0.0565	0.0082	0	0	0	0.0263
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	-0.0047	-0.0054	-0.0743	-0.0012	0	0	0	0.017
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	-0.0025	0	0	-0.001	0	0	0	-0.0083
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0	-0.0031	0	-0.0097	0	0	0	0	0
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	-0.0021	0	0	-0.0002	0	0	0	0.0276
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	-0.0003	0.0036	-0.0317	0.0027	0	0	0	0.0349
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	-0.0028	0.0114	-0.0127	-0.0008	0	0	0	0.1049
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	-0.0009	-0.0056	-0.0652	-0.0011	0	0	0	0.0157
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	-0.0018	0.001	-0.0744	0.008	0.0006	0	0	0.0044
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	-0.0044	0	0	-0.0018	0	0	0	0.045
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	-0.0047	0	0	-0.0001	0	0	0	0.0283
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	-0.002	0	0	-0.0003	0	0	0	0.0285
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	-0.003	0	-0.0102	-0.0004	0	0	0	0.0071
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	-0.0044	0	0	-0.0015	0	0	0.0188	0.0143
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	-0.0026	0	0	-0.0012	0	0	0	0.0338
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	-0.0011	0	-0.0184	-0.0068	0	0	0	0.0041
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	-0.0027	0	0	0.0272	0	0	0	0.06
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0.0036	-0.0018	0	-0.0093	0	0	0	0	-0.0002
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	-0.003	0.0036	-0.0628	-0.0006	0	0	0	0.0175
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0.007	-0.0025	0	-0.0056	-0.001	0	0	0	-0.0124
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	-0.0026	0	-0.0308	0	0.0049	0	0	0.0472
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	-0.0023	0	0	-0.0011	0	0	0	0.0529
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	-0.0014	0	0	0.0007	0	0	0	-0.0057
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	-0.0015	0	0	0	0	0	0	0.0243
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	-0.0022	0	-0.014	0	0	0	0	0.0627
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	-0.0029	0	-0.0167	0	0	0	0	0.0197
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	-0.0025	0.0255	-0.0413	0	0	0	0	0.0498
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	-0.0003	0	-0.0163	0	0	0	0	0.0193
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	-0.0007	0	-0.0476	0	0	0	0	0.0029
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	-0.0022	0	-0.0308	-0.0001	0	0	0	-0.0222

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	-0.0027	0	0	0	0	0	0	0.0531
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	-0.0035	0.0012	0	0	0	0	0	0.0478
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0	-0.0043	-0.0069	-0.0285	0	0	0	0	0.0661
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	-0.0032	0	-0.0101	-0.0007	0	0	0	0.0659
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	-0.0025	0	0.0024	0	0	0	0	0.0076
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0.0075	-0.0031	0	-0.0182	-0.0003	0	0	0	-0.0005
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	-0.004	0	-0.0191	0	0	0	0	-0.0319
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0	-0.0046	0	-0.0166	0	0	0	0	0.009
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	-0.0049	-0.0058	-0.0222	-0.0007	0	0	0	0.0538
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	-0.0013	0	0	0	0	0	0	0.0541
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0.0327	-0.0025	0	-0.0184	-0.0007	0	0	0	-0.0514
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	-0.0024	0	0	0	0	0	0	0.0345
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	-0.0031	0	0	0	0	0	0	0.0342
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0	-0.0028	0	-0.0174	0	0	0	0	0.0195
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	-0.0035	0	0	0	0	0	0	0.0469
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	-0.0039	0	0	0.0012	0	0	0	0.0261
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0	-0.0031	0	0	-0.0003	0	0	0	0.0425
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	-0.0015	0	-0.0201	0	0	0	0	0.0201
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	-0.0022	0	-0.0185	0	0	0	0	0.0079
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0	-0.0032	-0.0069	-0.0346	0	0	0	0	0.078
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	-0.0044	0	0	0	0	0	0	0.0231
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0	-0.0022	-0.0004	0.0031	0	0	0	0	0.0503
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	-0.0022	0	0	0	0	0	0.0144	0.01
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0	-0.0031	0	0	0	0	0	0	0.038
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	-0.0052	0	0	0	0	0	0	0.0264
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0	-0.0026	0	0	0	0	0	0	0.0352
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	-0.0037	0	0	0	0	0	0	-0.0612
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0	-0.0028	0	0	-0.0002	0	0	0	0.0361
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0	-0.0016	0	0	-0.0006	0	0	0	0.0486
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	-0.0027	0	0	0	0	0	0	0.045
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	-0.0007	0	0	0	0	0	0	0.0421
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	-0.005	0	-0.0129	-0.0001	0	0	0	0.0023
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	-0.0029	0	-0.047	0	0	0	0	-0.0102
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	-0.0022	0	0	0	0	0	0	0.0655
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	-0.0021	0	0	0	0	0	0	-0.0032
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	-0.0017	0	0	0	0	0	0	0.0323
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0	-0.0032	-0.0015	-0.0012	0	0	0	0	0.0299
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	-0.0038	0	0	0	0	0	0	0.0208
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	-0.0029	0	0	0	0	0	0	0.0657
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	-0.0038	0	0	0	0	0	0	0.0262
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0	-0.0039	0	0	0	0	0	0	0.0374
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0	-0.0041	0	-0.0354	-0.0025	0	0	0	0.0176
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	-0.002	0	0	0.0024	0	0	0	0.0276
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	-0.0032	0.0016	0	-0.0177	0	0	0	0.0074
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0	-0.0023	-0.0011	-0.008	-0.0022	0	0	0	0.0056
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	-0.0011	0	-0.0271	-0.0134	0	0	0	0.0289
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0.0024	-0.0009	0	0	-0.0213	0	0	0	-0.012
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	-0.0017	0	0	-0.0071	0	0	0	0.0225
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	-0.001	0	0	-0.0163	0	0	0	0.0118

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	-0.0012	0	0	-0.0173	0	0	0	0.0184
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0	-0.0034	-0.002	-0.0443	0.0136	0	0	0	0.0734
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0	-0.0027	0.0104	-0.0406	0.0052	0	0	0	0.013
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	-0.0036	0	0	0.0054	0	0	0	0.0317
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	-0.0007	0	0	-0.0147	0	0	0	0.0101
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	-0.0033	0	0	0.0096	0	0	0	0.0412
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	-0.0023	0	0	-0.0188	0	0	0	0.0083
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	-0.0026	0.0182	-0.0353	0.0029	0	0	0	0.018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	-0.0041	0	0	-0.0042	0	0	0	0.0313
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	-0.001	0	0	-0.0121	0	0	0	0.0291
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0	-0.0033	0	-0.0013	-0.0019	0	0	0	0.0082
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	-0.0026	0	0	-0.0177	0	0	0	0.0311
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	-0.0028	0	0	-0.0191	0	0	0	0.0334
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	-0.0012	0	0	-0.0178	0	0	0	0.0119
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	-0.0044	0	0	-0.0124	0	0	0	0.0126
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	-0.0057	0	-0.0613	-0.0014	0	0	0	0.0619
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	-0.0027	0	0	-0.0151	0	0	0	0.0181
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	-0.0022	0	0	0.0028	0	0	0	0.0277
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	-0.0006	0	-0.0494	0.0019	0	0	0	0.0576
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	-0.0027	0	0	-0.0175	0	0	0	0.0038
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	-0.0024	0	0	-0.0024	0	0	0	0.0268
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	-0.0031	0	0	0.0166	0	0	0	0.0474
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	-0.0021	0	0	-0.0016	0	0	0	0.017
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	-0.0036	0	0	-0.0048	0	0	0.0116	0.0075
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0	-0.0057	0	0	-0.0054	0	0	0	0.0266
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	0	0	0	-0.0105	0	0	0	0.0156
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	-0.0013	0	-0.0371	-0.0177	0	0	0	0.0298
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	-0.001	0	-0.0392	-0.0179	0	0	0	0.0304
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	-0.0021	0	0	-0.0036	0	0	0	0.0253
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	-0.0018	0	0	0.0194	0	0	0	0.0514
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	-0.0014	0	0	-0.0105	0	0	0	0.0372
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	-0.002	0	-0.0438	-0.0076	0	0	0	0.0128
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	-0.0038	0	-0.0231	-0.0059	0	0	0.0149	0.0117
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	-0.0015	0	0	0.0068	0	0	0	0.0187
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	-0.0021	0	0	0.0087	0	0	0	0.0145
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	-0.0024	0	0	-0.0303	0	0	0	0.0129
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	-0.0027	0	-0.0328	-0.0108	0	0	0	0.0342
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0	-0.0029	0	-0.0472	0.0045	0	0	0	0.0777
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0	-0.0032	0	-0.0034	-0.0012	0	0	0	0.0008
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	-0.0026	0	0	-0.0137	0	0	0	0.0207
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	-0.0046	0	0	-0.0255	0	0	0	0.0046
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	-0.0019	0	0	-0.0183	0	0	0	-0.0027
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	-0.0026	0	0	-0.0126	0	0	0	0.0023
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0	-0.0053	0	-0.0524	-0.0097	0	0	0	0.0493
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	-0.0042	0	-0.0448	-0.0143	0	0	0.0092	0.0081
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	-0.0018	0	0	-0.0027	0	0	0	0.0242
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	-0.0025	0	0	0.0047	0	0	0	0.0684
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	-0.0002	0	0	-0.0091	0	0	0	0.0308
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0	-0.0043	0	-0.0386	-0.0177	0	0	0	0.0161

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	-0.0035	0	-0.08	0.0208	0	0	0	0.0413
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	-0.0027	-0.0032	-0.0225	-0.0127	0	0	0	0.0079
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	-0.0028	-0.003	-0.0915	0.0014	0	0	0	0.0329
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0	-0.0029	-0.0048	-0.0952	-0.0088	0	0	0	0.0419
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	-0.0034	0	0	-0.0076	0	0	0	0.0223
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0	-0.0008	0	0	-0.0001	0	0	0	0.0133
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	-0.0041	0	0	0	0	0	0	0.0146
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	-0.0047	0	0	0	0	0	0	0.0268
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	-0.004	-0.0058	-0.1348	-0.0045	0	0	0	-0.0273
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	-0.0015	0	0	0	0	0	0	0.0143
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	-0.001	0	0	0	0	0	0	0.021
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0	-0.0031	0	0	-0.0009	0	0	0	-0.0102
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	-0.001	0	0	-0.0004	0	0	0	0.0126
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0	-0.0034	0	0	-0.0015	0	0	0	0.0183
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	-0.0015	0	0	-0.0004	0	0	0	0.0104
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	-0.0039	0	0	-0.0016	0	0	0	-0.0119
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	-0.0042	0	0	-0.0019	0	0	0	-0.021
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0	-0.0024	0	0	-0.0013	0	0	0	0.0206
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	-0.0037	0	0	0	0	0	0	0.0183
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	-0.0048	0	0	-0.0006	0	0	0	0.0181
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	-0.0013	0	0	0	0	0	0	0.0226
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	-0.0023	0	0	0	0	0	0	0.0146
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	-0.0026	0	0	0	0	0	0	0.0213
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	-0.0048	0	0	-0.0013	0	0	0	0.035
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	-0.0028	0	0	0.0022	0	0	0	0.0228
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	-0.0035	0	0	-0.0022	0	0	0	-0.0273
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	-0.0037	0	0	-0.0022	0	0	0	0.016
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	-0.0007	0	0	-0.0026	0	0	0	0.0143
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0.0283	-0.0021	-0.0054	-0.119	-0.0003	0	0	0	-0.0032
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0.0044	0.0092	-0.0053	-0.1167	0	0.0127	0	0	0.011
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0	-0.0012	0	-0.0153	0	0	0	0	-0.012
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	-0.0054	0	0	-0.0024	0	0	0	0.0279
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	-0.0023	0	0	0	0	0	0	0.0193
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0	-0.0046	0	0	0	0	0	0	-0.0011
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	-0.0064	0	0	-0.0014	0	0	0	0.0263
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0	-0.0041	0	0	-0.0028	0	0	0	0.0208
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0	-0.001	-0.0053	-0.126	-0.0005	0	0	0	0.0122
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	-0.0029	0	0	-0.0003	0	0	0	-0.0002
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	-0.0019	0	0	-0.0002	0	0	0	0.0253
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	-0.003	0	0	0	0	0	0	0.0219
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0	-0.0032	-0.0038	-0.1476	0	0	0	0	-0.0479
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0	-0.0037	0	0	0	0	0	0	0.021
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0.016	-0.0013	0	-0.0136	-0.0026	0	0	0	0.0044
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	-0.0027	0	0	-0.0006	0	0	0	0.0198
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	-0.0051	0	0	-0.0028	0	0	0	-0.0006
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	-0.0044	0	0	-0.0006	0	0	0	0.0263
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0	-0.0048	0	0	-0.0016	0	0	0	0.023
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0	-0.0043	0	0	-0.0026	0	0	0	0.0292
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	-0.0005	0	0	-0.0028	0	0	0	0.0061

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_V3+	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0.02	-0.0017	-0.0027	-0.1047	-0.0018	0	0	0	-0.0243
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	-0.0029	0	0	-0.0036	0	0	0	0.0203

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	1	0	-0.041	-0.0031	0	0.0074	-0.0033	0.1128
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	2	0	-0.0008	-0.0014	0	0.0005	0.0001	0.0047
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	3	0	-0.0305	0.003	0	0.0064	-0.0086	0.0797
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	4	0	-0.0184	0.0033	0	0.0045	-0.0073	0.0471
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_mosco	5	0	-0.0352	0.0009	0	-0.0119	0.0109	0.0635
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	1	0	-0.031	-0.004	0	0.0039	0.0001	0.0888
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	2	0	-0.0004	-0.0007	0	-0.0016	0.0022	0.0108
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	3	0	-0.0123	0.002	0	0.002	-0.0035	0.037
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	4	0	-0.0001	-0.0007	0	-0.0018	0.0024	0.01
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_mosco	5	0	-0.0168	-0.0011	0	0.002	0	0.0427
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	1	0.0079	-0.0362	-0.0013	0.0079	-0.0061	0	0.0685
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	2	0	-0.0999	-0.001	0	-0.0584	0.0596	0.2278
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	3	0.0008	-0.0001	0.0002	0.0008	-0.0015	0.0007	0.0057
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	4	0	-0.0027	-0.0043	0	0.0034	-0.0002	0.0128
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_mica	5	0	-0.0177	-0.0004	0	0.0076	-0.0072	0.046
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	1	0.0216	-0.0624	-0.0089	0.0216	-0.0097	-0.0016	0.2022
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	2	0.0117	-0.0033	-0.0039	0	0.001	0.004	0.05
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	3	0	-0.0403	0.004	0	-0.0041	0.0009	0.0956
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	4	0	-0.0513	-0.0026	0	-0.0098	0.0124	0.1214
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	5	0	-0.0407	0.0031	0	-0.0158	0.0145	0.092
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_mica	6	0	-0.0422	0.006	0	-0.0471	0.0429	0.1427
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	1	0	-0.0395	0.0177	0	-0.0362	0.0185	0.1181
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	2	0	0	0.0002	0	-0.0008	0.0004	0.0031
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_mica	3	0	-0.0037	-0.0034	0	0.0008	0.002	0.0225
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	1	0	-0.0373	-0.0029	0	0.0147	-0.0117	0.1429
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	2	0.0007	-0.0015	-0.0033	0.0007	-0.0006	0.0035	0.0152
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_mica	3	0	0.0025	-0.0022	0	-0.0014	0.0019	0.0223
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	1	0	-0.0662	-0.003	0	0.0008	0.0039	0.1952
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	2	0	-0.0276	0.0037	0	0.0077	-0.0115	0.0744
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	3	0	-0.0197	-0.0027	0	-0.0039	0.0067	0.0419
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	4	0	-0.0308	0.0041	0	-0.0108	0.0068	0.0601
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_mica	5	0	-0.0344	-0.002	0	-0.01	0.012	0.0889
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	1	0	-0.0557	0.0093	0	0.0046	-0.0135	0.1355
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	2	0	-0.0027	-0.0005	0	0.0024	-0.0019	0.0113
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_mica	3	0	-0.0299	0.0046	0	-0.0001	-0.0045	0.0667
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	1	0.0095	-0.1489	-0.013	0	-0.0399	0.0537	0.2794
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	2	0	-0.0157	0.0026	0	0.0062	-0.0073	0.0448
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	3	0	-0.0077	-0.0085	0	0.0084	-0.0002	0.0364
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_micll	4	0.0015	-0.0055	-0.0045	0.0015	0.0106	-0.0067	0.0387
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	1	0	-0.092	0.0133	0	-0.0175	0.0045	0.2871
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_1_mical	2	0	-0.0436	-0.001	0	-0.0019	0.0029	0.1109
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	1	0	-0.0456	0.0029	0	0.0172	-0.0198	0.149
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	3	0.0025	-0.0021	0.0024	0.0025	0.0034	-0.0068	0.0183
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	4	0	-0.0124	-0.0047	0	-0.001	0.0057	0.0647
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	5	0	-0.0154	-0.0045	0	0.0131	-0.0072	0.0473
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	6	0	-0.0464	-0.0024	0	0.0075	-0.0041	0.1021
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_4_mica	7	0	-0.027	-0.0094	0	0.0172	-0.0068	0.0989
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	2	0	-0.0135	-0.001	0	0.0057	-0.0032	0.0467
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	3	0	-0.0234	-0.0046	0	-0.0109	0.0154	0.1101

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	4	0	-0.0129	-0.0018	0	0.0093	-0.0071	0.0589
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_5_mica	5	0	-0.0652	0.0058	0	-0.0032	-0.0024	0.1391
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	1	0	-0.009	-0.0123	0	0.0064	0.0017	0.0799
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	2	0	-0.0049	-0.005	0	0.0043	-0.0014	0.0264
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_6_mica	3	0.0117	-0.0351	0.0004	0	-0.0096	0.0104	0.0667
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	1	0	-0.0081	-0.0153	0	0.0101	0.0052	0.0732
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	2	0	-0.0025	0.0001	0	0.0029	-0.0029	0.0186
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	3	0	-0.0012	-0.0006	0	-0.0002	-0.0002	0.0126
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	4	0	0.0002	-0.0069	0	-0.0074	0.0063	0.0954
MOSTMEG	G_MARCELINA#1	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_8_mica	5	0	-0.0136	-0.0094	0	0.0139	-0.0054	0.0522
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	1	0	-0.017	-0.0207	0	0.0298	-0.0103	0.1312
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	2	0	-0.0427	0.0125	0	0.0383	-0.05	0.1283
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_10_mica	3	0	-0.0254	0.0103	0	0.0275	-0.0369	0.11
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	1	0.0187	-0.0513	-0.0073	0	0.0234	-0.0168	0.1639
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	2	0	-0.0105	-0.0131	0	0.0182	-0.009	0.0637
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	3	0	-0.0128	-0.0257	0	0.025	-0.012	0.0896
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	4	0	-0.019	-0.0234	0	0.034	-0.0106	0.1005
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_1_mica	5	0	-0.0757	0.0151	0	0.0224	-0.0375	0.1605
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	1	0.0193	-0.042	-0.0001	0	0.0122	-0.0111	0.1254
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	2	0	-0.0365	0.0136	0	0.022	-0.0337	0.1206
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	3	0	-0.0181	0.0129	0	0.0126	-0.0254	0.0855
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	4	0	-0.0166	0.01	0	0.0169	-0.0269	0.0836
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_2_mica	5	0	-0.0157	-0.0201	0	0.029	-0.009	0.0835
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	1	0	-0.025	-0.0185	0	0.0252	-0.0066	0.1361
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	2	0	-0.0122	-0.0135	0	0.0285	-0.0173	0.129
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	3	0	-0.0316	0.0057	0	0.0358	-0.0415	0.1064
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica	4	0	-0.0344	0.0115	0	0.0297	-0.0412	0.1082
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	1	0	-0.0987	0	0	0.1038	-0.1037	0.3974
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	2	0	-0.0022	0	0	0	0	0.0268
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_3_mica_b	3	0	-0.0212	0	0	0.0244	-0.0287	0.1206
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	1	0.0222	-0.0644	-0.0096	0	0.0217	-0.0113	0.1752
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	2	0	-0.011	0.0187	0	0.017	-0.0359	0.0908
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	3	0	-0.0336	-0.0239	0	0.0458	-0.021	0.1313
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	4	0	-0.0981	0.0238	0	0.0297	-0.0535	0.2031
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_4_mica	5	0	-0.0177	0.0139	0	0.0235	-0.0372	0.1046
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	1	0	-0.0996	-0.0037	0	0.0743	-0.0694	0.3269
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	2	0	-0.0311	-0.0016	0	0.0327	-0.031	0.1248
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_b	3	0	-0.012	-0.0017	0	0.0106	-0.009	0.1371
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	1	0	-0.0158	-0.0237	0	0.0236	0.0002	0.1
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	2	0	-0.1179	0.0302	0	0.0337	-0.0637	0.2411
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_6_mica_n	3	0	-0.0302	-0.0288	0	0.0515	-0.0224	0.1519
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	1	0.006	-0.0166	-0.0138	0	0.0157	-0.0103	0.1164
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	2	0	-0.0144	-0.0208	0	0.0302	-0.0114	0.0845
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	3	0	-0.0319	0.0024	0	0.0086	-0.0103	0.0952
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	4	0	-0.0166	-0.001	0	0.0088	-0.0074	0.0743
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	5	0.0036	-0.0018	-0.0035	0.0036	-0.0006	0.0011	0.0351
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_7_mica	6	0	-0.0053	0.0083	0	0.013	-0.0213	0.0666
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	1	0	0.0064	-0.0147	0	-0.0003	0.0103	0.1104
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	2	0	-0.0028	-0.0035	0	0.001	0.001	0.0413

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	3	0	0.0054	-0.0113	0	-0.0008	0.0082	0.095
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	4	0	0.0027	-0.0074	0	0.0009	0.0063	0.0924
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	5	0.0005	-0.0015	-0.0023	0	0.0014	0.0014	0.033
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	6	0	-0.0042	-0.0047	0	0.0012	0.0012	0.0464
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_8_mica	7	0	-0.0182	0.0376	0	-0.1796	0.1413	0.3865
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	1	0	-0.0549	0.0157	0	0.0491	-0.0649	0.1697
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	2	0	-0.0169	0.0125	0	-0.0166	0.0041	0.0528
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	3	0	-0.0374	0.0228	0	0.0132	-0.0353	0.1231
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	4	0	-0.025	-0.0198	0	0.0332	-0.0116	0.1051
MOSTMEG	G_MED#1	Portugal	Iberian Massif	MEDELIM	Ms+Tour granite	PM-G6	MOSTMEG_lvo-GMED1_9_mica	5	0	-0.0465	0.016	0	0.0491	-0.0651	0.1497
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	1	0	-0.1081	-0.0011	0	-0.009	0.0108	0.3097
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	2	0	-0.0842	-0.0009	0	-0.0094	0.0124	0.2444
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	3	0	-0.087	-0.0059	0	0.0067	0	0.1904
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_mica	4	0	-0.074	-0.0044	0	-0.0162	0.0213	0.1851
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	1	0	-0.1842	-0.0095	0	-0.0625	0.0719	0.3308
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	2	0	-0.0678	-0.0027	0	-0.0275	0.0317	0.1869
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	3	0	-0.0554	-0.0094	0	-0.0303	0.0398	0.1651
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_2_mica	4	0	-0.1037	-0.007	0	0.044	-0.0355	0.2609
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	1	0.0207	-0.185	0.0418	0	-0.063	0.0224	0.3822
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	2	0	-0.1624	0.0228	0	-0.0821	0.0594	0.3445
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	3	0	-0.1515	-0.0069	0	-0.047	0.0557	0.3308
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_3_mica	4	0.0016	-0.1428	-0.0013	0	-0.0422	0.0465	0.3063
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	1	0	-0.094	-0.0033	0	0.0165	-0.0125	0.2329
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	2	0	-0.0033	-0.0019	0	0.0012	0.0007	0.0268
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	3	0	-0.0619	-0.0008	0	-0.0198	0.0208	0.1616
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	4	0	-0.0214	-0.0114	0	-0.0185	0.0312	0.128
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	5	0.0217	-0.112	0.0046	0	-0.0354	0.0311	0.2151
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_4_mica	6	0	-0.1192	0.02	0	-0.0507	0.0307	0.2498
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	1	0	-0.0839	-0.0027	0	-0.0323	0.0349	0.1732
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_5_mica	2	0	0.0051	0.0033	0	-0.0234	0.0201	0.1288
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_bt	1	0	-0.1531	-0.0054	0	-0.0511	0.0565	0.2675
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	1	0	-0.0989	-0.0152	0	-0.0107	0.0262	0.2595
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_6_mica	2	0	-0.069	-0.0066	0	-0.0257	0.0329	0.1893
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_7_mica	1	0	-0.1406	-0.004	0	-0.0441	0.0502	0.3126
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	1	0	-0.0369	-0.0032	0	-0.0043	0.0076	0.1263
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	2	0	-0.0283	-0.0015	0	-0.0119	0.0146	0.0891
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	3	0	-0.0344	0.0034	0	0.0053	-0.0077	0.0998
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	4	0	-0.0251	0.0066	0	-0.0008	-0.0057	0.0736
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	5	0	-0.0234	0.0066	0	-0.0009	-0.0057	0.0666
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_1_mica	6	0	-0.1978	0.0042	0	-0.0548	0.0505	0.3421
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	1	0	-0.0354	-0.0101	0	0.0032	0.0069	0.145
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	2	0.0034	-0.003	-0.0018	0.0034	-0.0011	0.0001	0.0235
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	3	0	-0.0135	0.0045	0	-0.0033	-0.0013	0.066
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	4	0.0122	-0.0083	-0.0016	0.0122	-0.0052	-0.0047	0.1132
MOSTMEG	G_STEX#2A	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2A_2_mica	5	0.0012	-0.0059	-0.003	0.0012	0.0023	-0.0003	0.0555
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	1	0	-0.0316	-0.0076	0	0.0097	-0.0021	0.147
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	2	0	-0.0179	-0.0036	0	0.0195	-0.0151	0.0671
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	3	0	-0.0201	0.0109	0	0.0105	-0.0204	0.0764
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_1_mica	4	0	-0.0206	-0.006	0	0.0268	-0.0208	0.0803

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	1	0	-0.0468	-0.0098	0	0.0035	0.0065	0.154
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	2	0	-0.0159	-0.0097	0	0.0205	-0.0108	0.0709
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	3	0	-0.0103	-0.0056	0	0.0099	-0.0075	0.0432
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	4	0	-0.0194	0.0058	0	0.0201	-0.0263	0.0626
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_2_mica	5	0	-0.0117	-0.0031	0	0.0176	-0.0142	0.0633
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	1	0.0048	-0.0484	-0.0029	0	0.0055	-0.0026	0.1521
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	2	0	-0.033	-0.0047	0	0.0031	0.0016	0.0896
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcll	3	0	-0.013	-0.0046	0	0.0037	0.0012	0.0549
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	1	0	-0.0065	0.0007	0	0.0153	-0.0153	0.0689
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	2	0	-0.0106	-0.0021	0	0.0085	-0.0064	0.0413
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	3	0	-0.0143	0.0094	0	-0.0095	0.0003	0.0519
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	4	0	-0.0189	-0.002	0	0.0196	-0.0158	0.0703
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_3_mcal	5	0.0133	-0.0235	-0.0023	0	0.0109	-0.0083	0.0552
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	1	0	-0.044	0.0132	0	0.0376	-0.0508	0.1414
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	2	0	-0.0461	-0.0076	0	0.0318	-0.0224	0.1409
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	3	0	0.0016	-0.0016	0	-0.0005	0.0016	0.0187
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_4_mica	4	0	-0.0365	0.0172	0	-0.0047	-0.0108	0.0885
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	1	0	0.0005	-0.002	0	-0.0005	0.0013	0.0263
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	2	0	-0.0007	-0.0063	0	0.0086	-0.0057	0.0483
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	3	0	0.0029	-0.0047	0	-0.0009	0.0034	0.0464
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_kfel	4	0	0.002	-0.0024	0	-0.0015	0.0019	0.0292
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	1	0	-0.0406	-0.004	0	-0.0004	0.0044	0.1286
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	2	0	-0.0297	0.0043	0	0.0101	-0.0135	0.0776
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	3	0.0114	-0.0218	-0.0029	0	0.0066	-0.0037	0.0561
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	4	0	-0.0024	-0.0046	0	0.0171	-0.0165	0.0595
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	5	0	-0.0076	-0.0019	0	0.0155	-0.018	0.0916
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	6	0	-0.0179	-0.0039	0	0.0215	-0.0175	0.0752
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	7	0	-0.0314	-0.0026	0	0.0313	-0.0266	0.1068
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_5_mica	8	0	-0.0209	-0.0039	0	0.0211	-0.0172	0.0781
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	1	0	-0.0232	-0.0045	0	0.0114	-0.0069	0.1183
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	2	0	-0.0078	-0.0027	0	0.0161	-0.0134	0.0589
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	3	0	-0.0165	0.0077	0	0.0158	-0.0226	0.0714
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	4	0	-0.016	-0.002	0	0.0079	-0.0058	0.0495
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	5	0	-0.0347	-0.0038	0	0.0269	-0.0221	0.1067
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_6_mica	6	0	-0.0306	0.0103	0	0.026	-0.0359	0.0931
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	1	0	-0.008	-0.011	0	0.011	-0.0004	0.1063
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	2	0	-0.0084	-0.0103	0	0.0196	-0.0109	0.0616
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	3	0	-0.0082	-0.0128	0	0.0263	-0.0172	0.0762
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	4	0.0068	-0.0076	-0.011	0.0068	0.0218	-0.0173	0.0712
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_7_mica	5	0.0022	-0.0022	-0.0013	0.0022	-0.001	0.0001	0.0155
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	1	0.0083	-0.0632	-0.0022	0	-0.0075	0.0106	0.1593
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	2	0	-0.0344	0	0	0.0169	-0.0158	0.1088
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	3	0	-0.0085	-0.0096	0	0.0091	-0.0003	0.0566
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	4	0	-0.0091	-0.0033	0	0.0132	-0.0099	0.0517
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	5	0	-0.017	-0.0026	0	0.0139	-0.0114	0.0622
MOSTMEG	G_STEX#2B	Portugal	Iberian Massif	STEX	Ms-Granite	STEX-G1	MOSTMEG_lvo-GSTEX2B_8_mica	6	0.0144	-0.0303	-0.0027	0	0.0148	-0.0113	0.0713
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	2	0	-0.0036	-0.0006	0	0.0012	-0.0006	0.0164
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_mica	3	0	-0.0341	-0.0008	0	0.0062	-0.0039	0.0736
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	1	0	-0.0021	0.0254	0	-0.0142	-0.0118	0.0935

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_bt	2	0	-0.0038	-0.0046	0	0.0057	-0.0011	0.0318
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	1	0.0058	0.009	0.0065	0.0058	-0.0091	0	0.0448
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_2_mica	2	0.0024	-0.0232	-0.01	0.0024	0.0197	-0.0115	0.0977
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	1	0	-0.0363	-0.005	0	0.0184	-0.013	0.1322
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_mica	2	0.0061	-0.0327	-0.0016	0	-0.006	0.0087	0.0706
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	2	0.0037	-0.0912	0.0096	0.0037	-0.0367	0.0256	0.2284
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_4_mica	3	0	-0.0301	-0.0044	0	0.0132	-0.0085	0.0767
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	1	0	-0.0513	0.0012	0	-0.03	0.0288	0.1418
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	2	0	-0.0258	-0.0036	0	0.0115	-0.0065	0.0672
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_mica	3	0	-0.0288	0.0004	0	0.002	-0.0014	0.069
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	1	0.0352	-0.1096	-0.0003	0	0.0023	-0.0012	0.2272
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	2	0.0031	-0.01	-0.0023	0.0016	0.0013	-0.0006	0.0279
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_mica	3	0.0043	-0.0087	-0.0004	0	0.0025	-0.0021	0.0266
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	1	0	-0.0241	-0.0153	0	0.0058	0.0101	0.0721
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_7_mica	2	0	-0.0387	0	0	-0.0095	0.0095	0.0836
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	1	0	-0.0397	-0.0071	0	0.0212	-0.0115	0.1325
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	2	0	-0.0303	-0.0001	0	0.0039	-0.0025	0.0675
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	3	0.0078	-0.0258	-0.011	0	0.0052	0.0058	0.0591
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_mica	4	0	-0.0182	-0.0094	0	0.0069	0.0025	0.0515
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	1	0	-0.0132	-0.0066	0	0.0114	-0.006	0.0794
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	2	0	-0.0139	-0.0082	0	0.0003	0.0079	0.0425
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_1_mica	3	0	-0.0231	-0.0028	0	0.0011	0.0016	0.0693
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	1	0.0098	-0.0356	0.0034	0	0.002	-0.0044	0.1209
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	2	0	-0.0177	0.002	0	-0.0006	-0.0009	0.0519
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	3	0	-0.0106	-0.0089	0	0.0033	0.0033	0.1247
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	4	0	-0.0355	-0.0235	0	0.0117	0.0127	0.153
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_2_mica	5	0	-0.0071	-0.0004	0	-0.0021	0.0025	0.0282
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	1	0	-0.0295	-0.0042	0	-0.0088	0.013	0.1182
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	2	0.0062	-0.0328	0.0004	0	-0.0116	0.0112	0.0651
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_3_mica	3	0	-0.0278	-0.0063	0	0.003	0.0034	0.0682
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	1	0.0063	-0.0681	-0.0027	0	-0.0148	0.0175	0.151
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	2	0	-0.0158	0.0055	0	0.0006	-0.0053	0.0487
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_4_mica	3	0	-0.0389	0	0	-0.0077	0.0077	0.0866
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	1	0	-0.0476	0.0021	0	0.0014	-0.003	0.1492
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	2	0	-0.0283	0.0031	0	-0.0068	0.0039	0.063
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_5_mica	3	0	-0.0087	-0.0077	0	-0.0006	0.0081	0.0379
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	1	0	-0.0115	-0.0032	0	0.011	-0.0088	0.0679
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	2	0	-0.0045	-0.019	0	0.0076	0.0068	0.038
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_6_mica	3	0.0035	-0.0118	-0.0005	0	-0.0002	0.001	0.0298
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	1	0	-0.023	0.0007	0	-0.0012	0.0017	0.051
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	2	0	-0.0003	0.0035	0	-0.0013	-0.0027	0.012
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micall	3	0	0.0004	0.0027	0	-0.0037	0.0013	0.0137
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	1	0.0018	-0.0192	-0.0019	0	0.0105	-0.0087	0.0781
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	2	0	-0.0327	-0.0017	0	-0.0127	0.0144	0.0826
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	3	0	-0.0356	-0.0001	0	0.0002	0	0.1003
MOSTMEG	G_ZEB#4	Portugal	Iberian Massif	ZEB	Ms-Granite	ZEB-G2	MOSTMEG_lvo-GZEB4_7_micasl	4	0	-0.0409	0	0	0	0	0.1109
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	1	0.0055	-0.0153	-0.0084	0.0055	0.0028	0.001	0.0751
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	2	0	-0.0032	-0.0091	0	0.0075	-0.0004	0.0272
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_mica	3	0	-0.0007	-0.0033	0	-0.0005	0.0034	0.023

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	4	0.0041	-0.0054	0.001	0	0.0001	-0.0011	0.0179
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_1_mica	5	0	0.0004	-0.0049	0	-0.0112	0.0151	0.0787
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	1	0	-0.0091	-0.0095	0	-0.0001	0.0096	0.0903
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	2	0	-0.0247	0.0081	0	-0.0053	-0.0027	0.0598
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	3	0.0018	-0.0012	-0.001	0.0018	-0.0003	-0.0003	0.0113
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	4	0	-0.013	-0.0073	0	0.0082	-0.0009	0.0706
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_2_mica	5	0	0.007	-0.0015	0	-0.0039	0.0032	0.0338
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	1	0	-0.0523	-0.0069	0	0.0098	-0.0023	0.206
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	2	0	0.0062	-0.0071	0	-0.0034	0.0055	0.0569
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	3	0	-0.0014	-0.0001	0	-0.0006	-0.0006	0.015
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	4	0.0124	-0.0085	-0.0046	0	-0.0025	0.008	0.035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	5	0	-0.0043	0.0018	0	0.004	-0.0058	0.0309
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	6	0.0166	0.0123	-0.0026	0.0166	-0.0166	0.0042	0.0744
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_3_mica	7	0.0158	-0.0106	-0.0013	0	-0.0025	0.0046	0.0333
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	2	0.0236	-0.0225	-0.0072	0.0236	-0.0146	-0.0008	0.1461
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	3	0.0282	-0.0044	-0.0042	0	-0.0058	0.0099	0.0554
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	4	0.0017	-0.0328	-0.0095	0.0017	0.0056	0.0041	0.1309
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_4_mica	5	0.0037	-0.005	-0.0034	0.0037	0.0019	-0.0018	0.0268
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	1	0	-0.0062	-0.0047	0	-0.0005	0.0063	0.0636
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	2	0.0039	-0.0054	-0.0077	0.0039	0.0103	-0.0063	0.0326
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	3	0.0068	-0.0001	-0.0069	0	0.007	-0.0022	0.0281
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	4	0.0027	-0.0061	-0.0093	0.0027	0.0134	-0.0087	0.038
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_5_mica	5	0	-0.0206	-0.0036	0	-0.0005	0.0058	0.0525
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	1	0	-0.011	-0.0088	0	0.0087	-0.0036	0.0766
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	2	0.0202	0.0217	-0.0054	0	-0.0128	0.0155	0.1169
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	3	0	-0.0033	-0.0073	0	0.0059	0.001	0.02
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	4	0.0087	0.0016	-0.005	0.0087	-0.0033	0.0001	0.0246
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_6_mica	5	0	-0.0199	-0.0112	0	-0.0014	0.0129	0.08
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	1	0	-0.0346	0.0067	0	-0.0357	0.0305	0.1895
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	2	0.0192	-0.0149	-0.0092	0.0192	-0.0071	-0.0024	0.1049
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	4	0	-0.0127	-0.0012	0	0.0139	-0.0133	0.0603
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_7_mica	5	0	-0.0337	0.0059	0	0.0057	-0.0111	0.077
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	1	0	-0.0337	0.0112	0	-0.0385	0.0281	0.1528
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	2	0.0144	-0.0017	-0.0109	0.0144	-0.0104	0.0069	0.1032
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	3	0	-0.0325	-0.0083	0	0.0169	-0.0071	0.1338
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	4	0	-0.0003	-0.0016	0	0.0006	0.0006	0.0032
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_8_mica	5	0	-0.0015	-0.0011	0	0	0	0.0215
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	1	0	-0.013	-0.0082	0	0.0016	0.0016	0.1767
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	2	0	0.0069	-0.0078	0	-0.0034	0.0061	0.0538
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	3	0	-0.0195	-0.0053	0	-0.0446	0.0502	0.1725
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GffUR_9_mica	4	0	-0.0194	-0.0045	0	0.0059	0	0.0532
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	1	0	-0.0566	0	0	-0.0009	0.002	0.1514
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	2	0	-0.0966	0.0399	0	-0.0691	0.0302	0.222
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	3	0	-0.0756	0.0005	0	-0.0327	0.0322	0.2146
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	4	0.0073	-0.065	-0.0007	0.0073	-0.0061	-0.0005	0.1121
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	5	0	-0.0941	0.0127	0	-0.0428	0.0301	0.2079
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_1_mica	6	0.017	-0.2297	0.0229	0.017	-0.0457	0.0086	0.3747
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	1	0.0112	-0.0189	0	0.0112	-0.0051	-0.0061	0.0848
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_Ivo-GfSEG3A_2_mica	2	0	-0.0053	-0.0009	0	0.0056	-0.0045	0.0689

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	3	0.0099	-0.028	-0.0016	0.0099	0.0105	-0.0189	0.0842
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	4	0	-0.0126	-0.0002	0	0.0127	-0.0125	0.0916
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_2_mica	5	0	-0.0171	0	0	0.0127	-0.0127	0.0775
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	1	0	-0.0495	0	0	0.0134	-0.0129	0.1114
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	2	0	-0.0032	0	0	-0.0008	-0.0008	0.0668
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	3	0	-0.009	0	0	0.0096	-0.009	0.0584
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	4	0	0.0036	0.0024	0	-0.0101	0.0089	0.1225
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	5	0	-0.0049	-0.0001	0	0.0002	0.0006	0.1041
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	6	0.0208	-0.0374	-0.0059	0.0208	0.0056	-0.0205	0.1132
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_3_mica	7	0	0.0016	-0.0002	0	-0.005	0.0053	0.0606
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	1	0	0.0058	-0.0012	0	-0.0224	0.0166	0.1061
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	2	0	-0.0023	-0.0025	0	0.0104	-0.0121	0.096
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	3	0.0078	-0.0069	-0.0008	0.0078	-0.003	-0.0022	0.0551
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	4	0	-0.0027	-0.0002	0	-0.0004	-0.0002	0.0537
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_4_mica	5	0	0.004	-0.0011	0	-0.0046	0.0017	0.0529
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	1	0.0093	-0.0097	-0.0007	0.0093	-0.0038	-0.0042	0.0616
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	2	0.0027	-0.0002	-0.0001	0.0027	-0.0049	0.0037	0.06
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	3	0.0056	-0.0054	-0.0003	0.0056	-0.0027	-0.0027	0.0537
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	4	0.0045	-0.0018	0	0.0045	-0.0058	0.002	0.0765
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	5	0	-0.002	-0.0012	0	0.0006	0.0006	0.0504
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	6	0	-0.0034	-0.0011	0	-0.0045	0.0024	0.0912
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	7	0	-0.0058	-0.0021	0	0.0065	-0.0039	0.0704
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_5_mica	8	0.002	-0.0036	0	0	0.0001	-0.0001	0.0583
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	1	0	0.0022	-0.0007	0	-0.0108	0.0089	0.0807
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	2	0.0168	-0.0234	0.0094	0.0168	-0.0293	0.0031	0.1077
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	3	0.0017	-0.0093	0	0.0017	0.0066	-0.0084	0.0609
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	4	0	-0.0013	0	0	0	0	0.0341
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_6_mica	5	0	-0.0035	-0.0025	0	0.0007	0.0007	0.0545
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	1	0.0158	-0.0044	0	0.0158	-0.0212	0.0064	0.0859
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	2	0	-0.0039	-0.0019	0	0.0002	0.0003	0.0694
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	3	0	-0.0031	0	0	-0.0007	-0.0007	0.0629
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	4	0	0.003	0	0	-0.0307	0.0308	0.139
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_8_mica	5	0	-0.0029	0	0	-0.0007	-0.0007	0.0551
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	1	0.007	-0.0096	-0.0014	0.007	0.0008	-0.0054	0.0603
MOSTMEG	Gf_SEG#3A	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3A_9_mica	2	0	-0.0078	-0.0009	0	0.0078	-0.007	0.0745
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	1	0	-0.02	-0.0013	0	0.0159	-0.0145	0.1085
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	2	0	-0.0013	-0.0011	0	0.0002	0.0002	0.0201
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	3	0	-0.0054	-0.0025	0	0.0028	-0.0014	0.0766
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	4	0	-0.0037	-0.0006	0	0.0097	-0.0124	0.0555
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_1_mica	5	0	0.0019	-0.0016	0	-0.0056	0.0074	0.0494
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	1	0	-0.0132	-0.0009	0	0.0164	-0.0154	0.0732
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	2	0	-0.0056	-0.0024	0	0.0061	-0.0044	0.0475
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	3	0	-0.0228	-0.0021	0	0.0212	-0.0185	0.1245
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	4	0	-0.0018	-0.0021	0	0.0008	0.0008	0.0299
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	5	0	-0.0208	-0.0012	0	0.02	-0.0184	0.1053
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	6	0	-0.0113	0	0	0.0193	-0.0191	0.105
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	7	0	-0.0258	0	0	0.0226	-0.022	0.1274
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	8	0.0148	-0.0048	-0.0008	0.0148	-0.0118	-0.0021	0.0683
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	9	0	-0.021	0	0	0.0165	-0.0165	0.0878

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_2_mica	10	0	-0.0078	-0.0011	0	0.0212	-0.0269	0.1251
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	1	0	-0.1049	0.0124	0	-0.0028	-0.0079	0.2432
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	2	0	-0.0314	0	0	0.0051	-0.0051	0.0606
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	3	0	-0.0235	0	0	0.0204	-0.0204	0.1161
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	4	0	-0.0315	-0.0016	0	0.0247	-0.0231	0.1176
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_3_mica	5	0	-0.1513	-0.0004	0	0.0398	-0.0394	0.2864
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	1	0	-0.0511	-0.0002	0	0.0501	-0.0486	0.2126
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	2	0	-0.0056	0	0	-0.0004	0.0004	0.0847
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	3	0.0099	-0.0055	-0.0004	0.0099	-0.0048	-0.0034	0.0867
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	4	0.0032	-0.0121	-0.0001	0.0032	-0.014	0.0111	0.0642
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	5	0.0061	-0.0191	-0.0007	0.0061	-0.01	0.0045	0.0571
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_4_mica	6	0	-0.0084	-0.0006	0	0.0013	-0.0007	0.0398
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	1	0.0068	-0.0304	0	0	0.0206	-0.0194	0.1533
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	2	0	0.0024	0	0	-0.0039	0.0012	0.0881
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_5_mica	3	0.0261	-0.0102	0	0.0261	-0.0206	-0.0038	0.1147
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	1	0	-0.0164	0	0	-0.0266	0.0276	0.152
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	2	0.0024	-0.0004	0.0033	0	-0.0014	-0.0016	0.1417
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	3	0	-0.0208	0	0	0.0023	-0.0023	0.0611
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	4	0	-0.0093	-0.0008	0	0.0122	-0.0096	0.0589
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_6_mica	5	0	-0.0105	-0.0005	0	-0.0147	0.0152	0.1672
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	1	0	-0.02	-0.0015	0	0.0018	0.0002	0.133
MOSTMEG	Gf_SEG#3B	Portugal	Iberian Massif	SEG-Dyke	Pegmatite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3B_7_mica	2	0	-0.0019	0	0	0.0002	0.0002	0.0339
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	1	0.002	-0.0517	-0.0013	0	0.0142	-0.0128	0.1574
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	2	0	-0.004	0	0	0.0297	-0.0316	0.1019
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	3	0	0.0001	0	0	0.0255	-0.0274	0.0907
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	4	0	-0.0088	0	0	0.0184	-0.0181	0.067
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	5	0	-0.0354	-0.0011	0	0.0241	-0.0229	0.1166
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_1_mica	6	0	-0.0069	0	0	0.0117	-0.0137	0.0717
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	1	0	-0.0267	-0.0003	0	0.0199	-0.0193	0.1503
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	2	0	-0.024	0	0	0.0255	-0.0238	0.1085
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_2_mica	3	0	-0.014	0	0	0.0336	-0.033	0.1123
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	1	0	-0.034	0	0	0.0393	-0.0379	0.1517
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	2	0	-0.039	0	0	0.0238	-0.0233	0.1089
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	3	0.0022	0.0018	0	0	0.023	-0.0226	0.0786
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	4	0	-0.0224	-0.0017	0	0.0263	-0.0243	0.0965
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_3_mica	5	0	-0.0289	-0.0005	0	0.0239	-0.0234	0.1116
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	1	0.0056	-0.0315	-0.0005	0	0.0243	-0.0229	0.141
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	2	0	0.0141	0.0024	0	-0.0167	0.0131	0.0813
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	3	0.0011	-0.0118	0	0.0011	0.0316	-0.0307	0.1051
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	4	0	-0.0266	-0.0016	0	0.0227	-0.021	0.1381
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_4_mica	5	0	-0.0095	0.0133	0	-0.018	0.0049	0.1322
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	1	0	-0.0349	0	0	0.0345	-0.0338	0.1439
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	2	0.0064	-0.0145	0	0.0064	0.0247	-0.0296	0.1199
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	3	0	-0.0128	-0.0008	0	0.0126	-0.0115	0.0571
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	4	0	-0.0145	-0.0001	0	0.03	-0.0298	0.1079
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_5_mica	5	0	-0.0318	-0.0003	0	0.0291	-0.0287	0.1149
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	1	0	-0.0069	0	0	0.0267	-0.0295	0.1217
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	2	0	-0.0033	-0.0004	0	0.027	-0.0278	0.0934
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	3	0	-0.0057	-0.001	0	0.028	-0.0279	0.0928

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	4	0	-0.0004	0	0	0.027	-0.0334	0.1035
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_6_mica	5	0	-0.0227	-0.0003	0	0.0183	-0.018	0.0895
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	1	0	-0.0215	-0.0014	0	0.0248	-0.0236	0.1372
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	2	0	-0.0218	-0.0006	0	0.0218	-0.0212	0.0998
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_7_mica	3	0	-0.0214	-0.0019	0	0.0195	-0.0176	0.1111
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	1	0	-0.016	-0.0002	0	0.0103	-0.0101	0.1105
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	2	0.0039	-0.0105	-0.0019	0.0039	0.0287	-0.0305	0.1013
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	3	0	-0.0153	0	0	0.0111	-0.0111	0.061
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	4	0	-0.0318	0	0	0.0259	-0.0259	0.1216
MOSTMEG	Gf_SEG#3C	Portugal	Iberian Massif	SEG-Dyke	Aplite Dyke	SEG-Dyke	MOSTMEG_lvo-GfSEG3C_8_mica	5	0.007	-0.0267	0	0	0.0194	-0.0194	0.0954
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	1	0	-0.0505	-0.005	0	0.067	-0.0634	0.1463
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	2	0.0101	-0.007	-0.0063	0.0101	0.0209	-0.024	0.0811
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	3	0	-0.0299	-0.0042	0	0.0308	-0.0265	0.1036
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	4	0	-0.0142	-0.0038	0	0.0146	-0.0106	0.0589
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_10_mica	5	0	-0.0112	0.0053	0	0.0215	-0.0264	0.0821
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	1	0	-0.0473	-0.0038	0	-0.0072	0.011	0.1532
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	2	0.0035	-0.0136	-0.0027	0.0035	0.0205	-0.0208	0.0747
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_11_mica	3	0	-0.0124	-0.0033	0	0.0239	-0.0205	0.0851
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	1	0.0228	-0.0543	-0.0197	0	0.0321	-0.0124	0.178
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	2	0	-0.0016	-0.0042	0	0.0009	0.0019	0.0811
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	3	0	-0.0136	-0.0061	0	0.0148	-0.0081	0.1047
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	4	0	-0.0099	-0.021	0	0.0322	-0.0185	0.0914
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	5	0	-0.0197	0.0194	0	-0.0282	0.0089	0.1467
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	6	0.0064	-0.0051	-0.0029	0.0064	-0.002	-0.0006	0.0593
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	7	0	-0.0163	-0.0188	0	0.0164	0.0023	0.0687
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_1_mica	8	0	-0.002	-0.0015	0	0.0003	0.0003	0.0258
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	1	0	-0.0314	-0.0049	0	0.0021	0.0028	0.1525
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	2	0	-0.0078	-0.0045	0	0.0156	-0.0105	0.0529
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	3	0	-0.0068	-0.0034	0	0.0186	-0.0152	0.062
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	4	0	0.007	-0.0024	0	-0.0066	0.0056	0.1058
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	5	0	-0.0138	-0.0029	0	0.0147	-0.011	0.1288
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_2_mica	6	0	-0.0141	-0.0008	0	0.007	-0.0061	0.0547
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	1	0.0159	-0.0159	-0.0068	0.0159	-0.0092	0.0013	0.1198
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	2	0	-0.0083	-0.0111	0	0.0342	-0.0263	0.1043
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	3	0.0218	-0.0537	0.0009	0	0.0137	-0.0127	0.1596
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	4	0.0129	-0.031	-0.0059	0.0129	0.0204	-0.0272	0.1403
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_3_MICA	5	0	-0.023	-0.0052	0	0.0296	-0.0244	0.0972
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	1	0.0291	-0.0316	-0.0254	0	0.0328	-0.0132	0.166
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	2	0	-0.0202	-0.0237	0	0.0358	-0.013	0.1081
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	3	0	-0.0159	-0.013	0	0.0253	-0.0116	0.0853
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	4	0	-0.0205	-0.0439	0	0.0458	-0.0169	0.1324
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_4_mica	5	0	-0.0147	-0.03	0	0.0187	0.0026	0.0899
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	1	0	-0.0251	-0.0379	0	0.0335	-0.0181	0.1561
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	2	0	-0.0112	-0.0302	0	0.0324	-0.0143	0.0929
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	3	0.0043	-0.0027	-0.0033	0.0043	-0.0012	0.0007	0.0331
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_5_mica	5	0	0.0051	-0.0098	0	-0.0048	0.0062	0.0663
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	1	0	-0.001	-0.0081	0	0.0012	-0.0004	0.0813
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	2	0	-0.0091	-0.0006	0	0.002	-0.0011	0.0661
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	3	0	-0.0449	0.0063	0	0.0207	-0.0262	0.1069

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	4	0	-0.0004	-0.0059	0	0.0037	0.0006	0.0562
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_6_mica	5	0	-0.012	-0.0224	0	0.0315	-0.0146	0.0869
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	1	0	-0.0253	-0.0334	0	0.0366	-0.0274	0.2005
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	2	0	-0.0144	-0.0354	0	0.0422	-0.0189	0.1167
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	3	0	-0.024	-0.0131	0	0.0337	-0.0206	0.0944
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	4	0	-0.0106	0.013	0	-0.0162	0.0039	0.1497
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_8_mia	5	0	0.0073	-0.007	0	-0.0024	0.006	0.052
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	1	0	-0.0368	-0.0082	0	0.0457	-0.0374	0.1416
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	2	0	-0.0175	-0.0023	0	0.0121	-0.0096	0.0672
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	3	0	-0.0047	-0.0172	0	0.0292	-0.0192	0.0938
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	4	0	-0.0358	0.0086	0	0.002	-0.0094	0.1029
MOSTMEG	Gf_MONS#1A	Portugal	Iberian Massif	PM-Dyke	Pegmatite Dyke	PM-Dyke	MOSTMEG_lvo-MONS1A_9_mica	5	0	-0.0274	-0.0161	0	0.025	-0.009	0.1001
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	1	0	-0.0058	-0.009	0	0.0131	-0.0041	0.0608
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	2	0	-0.0042	-0.0151	0	0.0149	-0.0054	0.1104
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_KAlSi	3	0	-0.0473	-0.0012	0	-0.011	0.014	0.105
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	1	0	-0.0342	-0.0071	0	0.0132	-0.0061	0.0841
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	2	0	-0.0432	0.0023	0	0.0186	-0.0196	0.098
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	3	0.0021	-0.0015	0	0.0021	0.0009	0.001	0.015
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	4	0	-0.0491	-0.003	0	0.0219	-0.018	0.1137
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	5	0	0.0106	-0.0021	0	-0.0009	0.0112	0.0706
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_10_mica	6	0	-0.0514	-0.0034	0	0.0304	-0.0266	0.1395
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	1	0	-0.0134	-0.0074	0	0.0141	-0.0049	0.0628
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_AlKSi	2	0	-0.0233	-0.0049	0	0.0359	-0.0303	0.1415
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	1	0.001	-0.0125	0.0064	0.001	0.022	-0.0239	0.0751
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	2	0	-0.0072	-0.0083	0	0.0151	-0.0068	0.057
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	3	0	0.0057	0	0	-0.0071	0.0042	0.111
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	4	0.0048	-0.0079	-0.0132	0.0048	0.0329	-0.0277	0.1041
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	5	0.0031	-0.0023	-0.0012	0.0031	-0.0004	0.0001	0.0173
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	6	0.0181	-0.0663	0.0097	0	0.0086	-0.0183	0.1177
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	7	0.0059	-0.0278	0	0	0.0105	-0.0091	0.0584
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_mica	8	0	0.0111	0	0	-0.0053	0.0063	0.0348
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	1	0	0.1258	0.0207	0	-0.0295	0.0258	0.4164
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	2	0	-0.0236	-0.0027	0	0.0288	-0.026	0.1121
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_1_mica	3	0	-0.008	-0.0096	0	0.0122	-0.0028	0.1138
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	1	0	-0.0033	-0.0031	0	0.0059	-0.007	0.0654
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	2	0	-0.0182	-0.0037	0	0.0359	-0.0322	0.1284
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_2_mica	3	0	-0.0488	-0.006	0	0.1081	-0.1168	0.2291
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	1	0	0.0016	-0.0233	0	0.0156	0.0029	0.2162
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	2	0	-0.0029	-0.0012	0	0.0018	0.0018	0.0282
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	3	0	-0.0002	-0.0004	0	0.0002	0.0002	0.0048
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	4	0	-0.0013	-0.0004	0	-0.0002	-0.0002	0.0129
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_3_mica	5	0	-0.0433	-0.003	0	0.0335	-0.0306	0.1216
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	1	0	0.0511	-0.0056	0	-0.0096	0.0116	0.2702
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	2	0	-0.0462	-0.0113	0	0.0296	-0.0182	0.1229
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	3	0	-0.0383	-0.0062	0	-0.0023	0.0094	0.0908
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	4	0	-0.0099	0.0077	0	0.0411	-0.0485	0.1414
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_4_mica	5	0	-0.0403	0.0115	0	0.0282	-0.0388	0.1272
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	1	0	-0.0784	0.013	0	0.0231	-0.035	0.163
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	2	0	-0.0542	0.004	0	0.0164	-0.0187	0.1229

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	3	0	-0.0162	-0.0009	0	0.0089	-0.0052	0.0459
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	4	0	-0.0069	-0.0053	0	0.0379	-0.0334	0.1205
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_5_mica	5	0	0.0005	-0.0061	0	-0.0037	0.0043	0.1211
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	1	0	-0.0152	-0.0088	0	0.0188	-0.01	0.1045
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	2	0	-0.0101	-0.0033	0	0.0112	-0.0076	0.0652
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	3	0	-0.0213	-0.0153	0	0.0217	-0.0064	0.0925
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	4	0	-0.0553	0.0052	0	0.0143	-0.0177	0.1228
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_KAlSi	5	0	-0.0107	-0.0082	0	0.0122	-0.0029	0.05
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	1	0	-0.0213	-0.0121	0	0.0195	-0.006	0.087
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	2	0.0073	-0.0485	-0.0118	0.0073	0.0028	0.0025	0.1059
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_6_mica	3	0	-0.0011	-0.0125	0	0.0003	0.0097	0.1398
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	1	0	0.0008	-0.0011	0	0.0415	-0.0465	0.1484
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_KAlSi	2	0	-0.0176	0.0092	0	0.0286	-0.0378	0.1075
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	1	0	-0.026	-0.0038	0	0.0256	-0.0217	0.1039
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	2	0	-0.0306	-0.0055	0	0.0385	-0.0331	0.1172
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	3	0	-0.038	0.0018	0	0.0427	-0.0443	0.133
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_7_mica	4	0.0078	-0.0078	-0.0046	0.0078	0.0299	-0.0316	0.1049
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	1	0	-0.0622	-0.0026	0	0.0369	-0.0343	0.1463
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	2	0	-0.07	0.0017	0	0.0495	-0.0512	0.1734
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	3	0	-0.0665	0.0022	0	0.0397	-0.0418	0.1728
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	4	0	-0.0061	-0.0019	0	0.0342	-0.0323	0.1118
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_8_mica	5	0.0031	-0.0041	0	0.0031	0.0149	-0.0166	0.0519
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	1	0	-0.0219	-0.005	0	0.022	-0.017	0.0876
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	3	0	-0.0238	-0.0138	0	0.0209	-0.007	0.0957
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	4	0	-0.0155	-0.0125	0	0.0176	-0.0049	0.0752
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG-G1	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_9_mica	5	0	-0.0041	-0.0003	0	0.0012	0.0006	0.0943
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	1	0.0061	-0.0064	-0.0121	0.0061	0.027	-0.0216	0.0833
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	2	0	-0.0139	0.0206	0	0.0129	-0.0326	0.0852
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	3	0	-0.0253	-0.0049	0	-0.0021	0.007	0.0603
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_mica	4	0	-0.0422	0.0102	0	0.06	-0.069	0.1621
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	1	0.0112	-0.0373	-0.0161	0.0112	0.0382	-0.0302	0.1711
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	2	0	-0.0021	-0.0009	0	0.0018	0.0018	0.0201
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_mica	3	0	-0.0104	0.018	0	0.0302	-0.0484	0.1192
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	1	0	-0.0192	-0.0203	0	0.0297	-0.0105	0.0847
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	2	0	-0.0148	-0.0236	0	0.0999	-0.105	0.4243
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_btII	3	0	-0.0252	-0.0191	0	0.1053	-0.101	0.4027
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	1	0	-0.0273	0.0041	0	0.0006	-0.0047	0.1113
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	2	0.0059	-0.0065	-0.0127	0.0059	0.0306	-0.0242	0.0931
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	3	0	-0.0136	-0.0133	0	0.0149	-0.0014	0.0638
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	4	0	-0.0001	-0.0001	0	0	0	0.002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_mica	5	0	-0.0178	-0.0169	0	0.0479	-0.0328	0.142
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	1	0	-0.0209	-0.0076	0	0.0285	-0.0207	0.0961
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	2	0	-0.0062	-0.0076	0	0.0316	-0.0269	0.0975
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_mica	3	0	-0.0327	0.0133	0	0.0406	-0.0529	0.1156
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	1	0	-0.0077	-0.0141	0	0.0304	-0.0209	0.0886
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	2	0	-0.0075	-0.0152	0	0.0274	-0.0176	0.0788
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_mica	3	0	0.0013	-0.0104	0	0.0326	-0.0358	0.1619
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	1	0	-0.0084	-0.0185	0	0.0274	-0.015	0.0766
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	2	0	-0.0123	-0.0116	0	0.0187	-0.0055	0.0567

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	3	0	-0.0108	-0.0137	0	0.0233	-0.0097	0.0667
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	4	0	-0.0314	0.0114	0	0.042	-0.0514	0.1143
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_mica	5	0	-0.0233	-0.0002	0	0.0124	-0.0122	0.0591
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	1	0.0031	-0.0166	-0.0065	0	0.0143	-0.0078	0.0476
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	2	0	-0.005	-0.0132	0	0.0262	-0.021	0.0982
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	3	0	-0.0114	0.005	0	0.0458	-0.0642	0.156
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	4	0	-0.0082	-0.0172	0	0.0297	-0.0209	0.1041
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_mica	5	0	0.0009	0.0245	0	0.0195	-0.0473	0.1138
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	1	0	-0.003	0.0148	0	0.0242	-0.0412	0.1054
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_mica	2	0	-0.0278	-0.0036	0	0.0265	-0.0229	0.0834
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	1	0	-0.0015	-0.0099	0	0.0118	-0.0018	0.0578
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	2	0	-0.0234	0.0045	0	0.0261	-0.0301	0.076
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG-G2	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_mica	3	0	-0.0663	0.0034	0	0.0252	-0.0285	0.1445
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	1	0	-0.0139	0.0056	0	0.0079	-0.0122	0.0459
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_mioca	2	0.0203	-0.0218	-0.0035	0	0.0131	-0.0084	0.0463
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	1	0	-0.0125	-0.0172	0	0.0157	0.0005	0.0764
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	2	0	0.0378	-0.0178	0	-0.0113	0.0221	0.1479
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_mica	3	0	-0.0134	0.0023	0	-0.0024	0.0025	0.0367
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	1	0.0137	-0.036	-0.0048	0	0.0016	0.0033	0.0838
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_mica	2	0.0016	-0.0028	-0.0066	0.0016	0.0066	-0.003	0.0199
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	1	0	-0.0313	-0.006	0	0.0105	-0.004	0.1267
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	2	0	-0.0206	-0.0049	0	0.0035	0.0017	0.05
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_silica	3	0	-0.0135	-0.0053	0	0.0071	-0.0017	0.0397
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	2	0	-0.0278	0.0054	0	0.004	-0.0087	0.0629
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_mica	3	0	-0.0096	0.0017	0	0.0109	-0.012	0.048
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	1	0	-0.0147	-0.0089	0	0.0079	0.001	0.0444
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	2	0.02	-0.0392	0.0023	0	-0.0042	0.0027	0.0667
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	3	0	-0.0039	-0.0092	0	0.0094	-0.0037	0.0272
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_mica	4	0	-0.0059	-0.0149	0	0.014	-0.0047	0.0411
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	1	0	-0.008	-0.0025	0	0.0094	-0.0068	0.0392
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	2	0	-0.0028	-0.0027	0	0.0027	-0.0006	0.0144
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	3	0	-0.0135	-0.0025	0	0.0032	-0.0007	0.0334
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	4	0	-0.0169	0	0	0.0038	-0.0038	0.0442
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_mica	5	0.0101	-0.0069	0.0024	0	0.0013	-0.0029	0.0182
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	1	0	0.004	0	0	-0.003	0.0014	0.0314
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	2	0	0.0284	0	0	-0.0122	0.0101	0.0951
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_kfelds	3	0.0008	0	0	0.0008	-0.001	0.0002	0.015
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	1	0	-0.0188	-0.0013	0	0.0105	-0.0088	0.0602
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	2	0	-0.0028	0	0	0.002	-0.0024	0.0203
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	3	0.013	-0.0112	-0.0007	0	0.0021	-0.0013	0.0244
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	4	0	-0.0203	0.0048	0	0.0072	-0.0109	0.0526
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG-G3	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_mica	5	0	-0.0294	0	0	-0.0081	0.0081	0.0616
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	1	0	-0.0669	-0.0008	0	0.086	-0.0852	0.1918
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	2	0.0327	-0.0196	0.0008	0	-0.006	0.0053	0.0515
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	3	0	0.0098	-0.0017	0	-0.0063	0.004	0.0466
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	4	0	0.0041	0	0	-0.0028	0.0019	0.0459
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_12_mica	5	0	0.0578	0	0	-0.0295	-0.0094	0.3436
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	1	0.0017	-0.0142	0	0.0017	0.0021	-0.0017	0.0799
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_1_mica	2	0	0.013	0	0	-0.0049	-0.0049	0.0886

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	1	0	-0.0098	-0.0012	0	-0.0019	-0.0019	0.1391
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	2	0	0.0083	0	0	-0.0057	0.0036	0.086
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	3	0.0167	-0.0091	-0.0015	0.0167	-0.0091	-0.0063	0.0467
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	4	0	0.0029	-0.0022	0	-0.0001	0.0002	0.0703
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_2_mica	5	0	0.0062	0	0	-0.0045	0.0024	0.0503
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	1	0	-0.0026	-0.0007	0	0.0007	0.0007	0.1015
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	2	0	-0.0429	-0.0011	0	0.0392	-0.0381	0.1494
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	3	0.0095	-0.0081	-0.002	0.0095	-0.0052	-0.0017	0.0798
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	4	0	-0.0141	0.004	0	0.002	-0.0059	0.1421
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_3_mica	5	0	-0.0029	-0.0007	0	0.0001	0.0001	0.0426
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	1	0	-0.0162	-0.0033	0	0.0209	-0.0169	0.1423
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	2	0	0.0009	0.0045	0	-0.0071	0.0021	0.1227
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	3	0	-0.0307	-0.0023	0	0.0364	-0.0341	0.1113
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	4	0	-0.0345	-0.0005	0	0.0334	-0.0326	0.1264
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_4_mica	5	0	-0.0323	0.0072	0	0.0114	-0.0208	0.1813
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	1	0.007	-0.0228	-0.0021	0.007	0.0031	-0.0065	0.141
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	2	0	-0.0044	0.0036	0	-0.0031	-0.0005	0.109
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	3	0.0103	-0.0018	-0.0018	0.0103	-0.0072	-0.0004	0.0356
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	4	0	0.009	-0.0013	0	-0.0078	0.0032	0.0664
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_5_mica	5	0	-0.0263	0.0082	0	-0.0045	-0.0036	0.1344
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	1	0	-0.017	-0.0012	0	0.0284	-0.0258	0.1517
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	2	0	0.0004	-0.001	0	0.0297	-0.0327	0.1072
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	3	0.0086	-0.0085	0	0.0086	-0.0054	-0.0025	0.0934
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	4	0	-0.0276	-0.0002	0	0.0274	-0.0272	0.1231
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_6_mica	5	0	-0.0349	0.0027	0	0.0064	-0.0091	0.1142
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	1	0	-0.1049	0.0106	0	0.0418	-0.0522	0.2796
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	2	0	-0.0168	-0.0011	0	0.0149	-0.0143	0.1216
MOSTMEG	G_ARG#2	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG2_7_mica	3	0	-0.0048	0.0093	0	-0.0114	0.0019	0.1149
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	1	0	-0.045	-0.0018	0	0.0414	-0.0392	0.1997
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	2	0	-0.0283	-0.0001	0	0.0244	-0.0236	0.1367
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	3	0	-0.0285	-0.0003	0	0.0224	-0.0222	0.1071
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	4	0	-0.0071	-0.0004	0	0.0013	-0.0009	0.0674
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	5	0	-0.0331	-0.0015	0	0.0171	-0.0156	0.1348
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_10_mica	6	0	-0.0338	-0.0012	0	0.0282	-0.027	0.1267
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	1	0	-0.0041	-0.0068	0	0.0031	0.0037	0.1016
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	2	0	-0.06	0.0272	0	0.0476	-0.0734	0.1729
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	3	0	-0.0033	0	0	-0.0007	-0.0007	0.0688
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	4	0	-0.0175	-0.0006	0	0.013	-0.0122	0.1138
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_1_mica	5	0	0.0084	-0.001	0	-0.0047	0.0038	0.0484
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	1	0	-0.0472	0.0098	0	-0.0295	0.0197	0.1616
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	2	0	-0.0529	-0.0011	0	0.0481	-0.0469	0.1836
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	3	0	0.0022	0.0027	0	0.0311	-0.0355	0.1117
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_2_mica	4	0	-0.0243	0	0	0.0201	-0.0201	0.0935
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	1	0	-0.0627	0	0	-0.0311	0.0311	0.1933
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	2	0	-0.0197	0	0	0.0069	-0.0069	0.0997
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	3	0	-0.0498	0	0	0.0027	-0.0027	0.1369
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	4	0	-0.0193	0	0	0.0037	-0.0021	0.0819
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	5	0	-0.0029	0	0	0.0003	0.0007	0.0864
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	6	0	0.0102	-0.0001	0	-0.0092	0.0033	0.0722

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	7	0	-0.0413	0	0	0.013	-0.013	0.1176
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	9	0	-0.0095	0	0	0	0	0.1025
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_4_mica	10	0	-0.0918	0	0	0.0645	-0.0645	0.3073
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	1	0.0171	-0.0659	-0.0036	0	0.0498	-0.0454	0.2253
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	2	0	-0.0235	-0.0017	0	0.0201	-0.0183	0.0912
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	3	0	-0.0484	-0.0011	0	0.0453	-0.0433	0.169
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	4	0	-0.0416	-0.0041	0	0.0467	-0.0426	0.1595
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_5_mica	5	0	-0.0208	-0.0047	0	0.0219	-0.0153	0.0881
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	1	0	-0.0677	0	0	-0.0007	0.0007	0.3284
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	2	0	-0.0866	0.0215	0	-0.0189	-0.0026	0.268
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	3	0	-0.0876	0	0	0.0028	-0.0021	0.2477
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	4	0	-0.0222	-0.0012	0	0.0179	-0.0166	0.0868
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	5	0	-0.0418	-0.0007	0	0.0382	-0.0362	0.1912
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_6_mica	6	0	-0.0359	-0.002	0	0.039	-0.037	0.1401
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	1	0	-0.0091	-0.0013	0	0.0023	-0.0009	0.1124
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	2	0	0.0098	-0.0014	0	-0.0064	0.0048	0.1043
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	3	0	-0.0037	-0.0032	0	0.0008	0.0008	0.0427
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	4	0	-0.002	-0.0002	0	0.0004	0.0004	0.0315
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_7_mica	5	0	0.0066	-0.0009	0	-0.0062	0.0035	0.1156
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	1	0	-0.0176	-0.0008	0	0.0211	-0.0203	0.1603
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	2	0	-0.0299	-0.0002	0	0.024	-0.0238	0.1133
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	3	0.0264	-0.0708	0	0	0.0264	-0.0257	0.1437
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	4	0	0.1357	0	0	-0.03	0.0297	0.5052
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_8_mica	5	0.0181	-0.0666	0	0	0.0228	-0.022	0.1607
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	1	0.0082	-0.0125	-0.0025	0.0082	-0.0033	-0.0013	0.0903
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	2	0	-0.0101	-0.0004	0	0.0136	-0.0134	0.1261
MOSTMEG	G_ARG#1	Portugal	Iberian Massif	ARG	Li-Sn RMG	ARG-G1	MOSTMEG_lvo-G_ARG1_9_mica	3	0	-0.0039	-0.0031	0	0.0008	0.0008	0.0473
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	1	0	-0.014	-0.0002	0	-0.0001	-0.0015	0.1011
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	2	0	-0.0149	0	0	0.002	-0.002	0.0623
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	3	0	0.0007	0	0	-0.002	0.0005	0.0398
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	4	0	0.0057	0	0	-0.003	0.0036	0.0718
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_10_mica	5	0	-0.0057	0	0	-0.0044	-0.0008	0.1344
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	1	0	-0.0541	-0.0006	0	-0.0057	0.0063	0.1301
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	2	0	-0.0264	0	0	-0.0088	0.0088	0.0788
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	3	0	0.0261	0	0	-0.0144	0.0116	0.1095
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	4	0	-0.0204	-0.0001	0	-0.0199	0.02	0.109
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	5	0	-0.0026	0	0	0	0.0002	0.0638
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_11_mica	6	0	0.0683	0	0	-0.0304	0.0274	0.221
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	1	0.0048	-0.0178	-0.0004	0.0048	0.0018	-0.0053	0.1183
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	2	0.0002	-0.0181	0	0.0002	0.0047	-0.0046	0.0893
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_12_mica	3	0	-0.0066	0	0	-0.0007	-0.0007	0.0878
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	1	0	-0.0082	0	0	-0.0085	0.0085	0.0614
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	2	0	-0.0271	0	0	0.0086	-0.0086	0.1063
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	3	0	-0.0841	0	0	0.1118	-0.1102	0.2372
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	4	0.0069	-0.0069	0	0.0069	-0.0043	-0.0028	0.094
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_1_mica	5	0.0078	-0.0066	0	0.0078	-0.0058	-0.0018	0.0745
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	1	0.0021	-0.0552	-0.0009	0	0.0014	-0.0003	0.1514
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	2	0	-0.0436	0	0	0.0098	-0.0086	0.1269
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	3	0	-0.0043	0	0	0.0005	-0.0002	0.0686

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	4	0	-0.0531	0	0	0.0263	-0.0246	0.1698
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	5	0	-0.0478	0	0	0.0104	-0.0094	0.1188
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_2_mica	6	0.006	-0.0721	0	0	0.0007	-0.0007	0.1649
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	1	0	-0.0659	-0.0007	0	0.0104	-0.0084	0.1712
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	2	0	-0.0076	0	0	-0.0307	0.0307	0.1609
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	3	0	-0.0073	-0.0003	0	-0.0012	-0.0012	0.1026
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	4	0	0.0191	0	0	-0.0162	0.0098	0.1894
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_3_mica	5	0.0046	-0.0136	0	0.0046	-0.0021	-0.0015	0.078
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	1	0	-0.0538	-0.0007	0	0.0022	-0.0014	0.1413
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	2	0	-0.0541	0	0	0.0258	-0.0245	0.1512
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	3	0.01	0.0297	-0.0007	0	-0.0187	0.0137	0.1103
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	4	0	-0.0345	0	0	0.0294	-0.0279	0.1318
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	5	0	-0.0342	0	0	0.0055	-0.0038	0.0963
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_4_mica	6	0.0008	-0.0211	0	0	0.0022	-0.0019	0.0706
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	1	0	-0.0469	0	0	0.0039	-0.003	0.1653
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	2	0	-0.0261	0.0024	0	0.0263	-0.0287	0.1261
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	3	0.0009	-0.0434	-0.0003	0.0009	0.0331	-0.0336	0.161
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	4	0	-0.0201	0	0	0.0052	-0.0052	0.1291
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	5	0	-0.0079	0	0	0.0001	0.0001	0.0788
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	6	0.0112	-0.0893	0	0	0.0074	-0.0074	0.1918
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_5_mica	7	0	-0.0231	0	0	-0.0078	0.0086	0.1128
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	1	0.0022	-0.0526	0	0	0.0126	-0.0122	0.1644
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	2	0	-0.0244	0	0	0.0144	-0.0144	0.0761
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	3	0.0056	-0.0436	0	0	0.0173	-0.0167	0.1171
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	4	0	-0.0264	0	0	0.0058	-0.0054	0.1016
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_6_mica	5	0.007	-0.0421	0	0	0.0248	-0.0248	0.1271
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	1	0	0.0612	0	0	-0.0415	0.0423	0.3256
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	2	0.0066	-0.0428	-0.0002	0	0.0162	-0.0156	0.1053
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	3	0.0066	-0.0552	-0.0006	0	0.0181	-0.0175	0.1424
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	4	0	-0.045	0	0	0.0169	-0.0166	0.1315
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_7_mica	5	0	-0.0421	0	0	0.022	-0.0215	0.1432
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	1	0	-0.0023	-0.0001	0	0	0.0001	0.076
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	2	0	0.0018	0	0	-0.0046	0.0007	0.0788
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	3	0	-0.0655	0	0	0.0839	-0.0833	0.1879
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	4	0	0.0032	0	0	-0.0024	0.0024	0.0563
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_8_mica	5	0	-0.0323	0	0	0.0034	-0.0029	0.0992
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	1	0.0015	-0.0315	0	0	0.0135	-0.0123	0.129
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	2	0	-0.0208	0	0	-0.0006	0.0006	0.0722
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	3	0	-0.0657	0	0	0.0154	-0.0154	0.1269
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	4	0	-0.0262	0	0	-0.014	0.0143	0.0807
MOSTMEG	Gf_ARG#1	Portugal	Iberian Massif	ARG-Dyke	Pegmatite Dyke	ARG-Dyke	MOSTMEG_lvo-GfARG1_9_mica	5	0.006	-0.0434	0	0	0.0172	-0.0172	0.1134
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	1	0.0201	-0.0376	-0.0025	0	0.0102	-0.0078	0.1233
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	2	0	-0.0276	0.0024	0	0.0289	-0.0313	0.092
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	3	0	-0.0113	-0.0177	0	0.0223	-0.0062	0.0631
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_mica	4	0.0011	-0.0067	-0.0022	0.0011	0.0024	-0.0009	0.0399
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	1	0	-0.0289	-0.0134	0	0.0023	0.0111	0.1134
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	2	0.0275	-0.0155	-0.0213	0	0.0242	-0.0029	0.0723
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	3	0	-0.0225	0.0051	0	0.0014	-0.0062	0.0528
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	4	0	-0.0141	-0.0163	0	0.0218	-0.0056	0.0662

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_mica	5	0	-0.0243	-0.0124	0	0.0193	-0.0091	0.0931
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	1	0.0009	-0.0743	0.0136	0.0009	0.0454	-0.0598	0.2465
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	2	0	-0.013	0.0052	0	-0.0043	-0.0008	0.0718
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	3	0	-0.0317	0.0054	0	0.0333	-0.037	0.1018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	4	0	-0.0121	-0.0147	0	0.0234	-0.0097	0.0676
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_mica	5	0	-0.0412	0.0096	0	0.0402	-0.0487	0.1364
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	1	0	-0.0118	-0.0188	0	0.0193	-0.0022	0.0975
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	2	0	-0.018	0.0029	0	0.0006	-0.0035	0.0745
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	3	0	-0.0313	0.0123	0	0.0152	-0.0264	0.0948
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	4	0	-0.0291	-0.0121	0	0.0275	-0.0151	0.0919
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_mica	5	0.0026	-0.0108	-0.0019	0	0.0065	-0.0045	0.0291
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	1	0	-0.0311	-0.0177	0	0.0359	-0.017	0.1184
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	2	0	-0.0334	-0.0191	0	0.0396	-0.0202	0.1217
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	3	0	-0.0137	-0.0178	0	0.0206	-0.0036	0.0882
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_mica	4	0	-0.023	-0.0124	0	0.0235	-0.0153	0.0979
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	1	0	-0.0619	-0.0014	0	0.0368	-0.0346	0.2222
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	2	0	-0.0187	-0.0151	0	0.0284	-0.0126	0.0793
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_mica	3	0	-0.0277	0.0028	0	0.0289	-0.0316	0.0901
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	1	0	-0.0576	0.0019	0	0.0222	-0.0231	0.1954
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	2	0	-0.011	-0.0175	0	0.0212	-0.0073	0.0607
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	Orca-G2	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_mica	3	0	-0.0268	-0.0024	0	0.0323	-0.0295	0.0926
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	1	0	-0.0474	0.0166	0	0.0415	-0.0566	0.1446
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	2	0	-0.017	0.0125	0	0.0208	-0.0317	0.0909
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	3	0	-0.0191	0.0067	0	0.0009	-0.0076	0.0617
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	4	0.0038	-0.0304	-0.0054	0.0038	0.0069	-0.0052	0.08
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_mica	5	0	-0.0156	-0.0105	0	0.0136	-0.0004	0.0641
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	1	0	-0.0298	-0.0177	0	0.0264	-0.0084	0.1407
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	2	0	-0.0304	-0.0179	0	0.021	-0.0031	0.1408
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	3	0	-0.027	0.0142	0	0.0184	-0.0334	0.1055
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	4	0	-0.0514	0.0194	0	0.0429	-0.0623	0.1513
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_2_mica	5	0	-0.0372	-0.0105	0	0.0424	-0.0314	0.1304
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	1	0	-0.018	-0.0076	0	0.0296	-0.0233	0.1509
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	2	0	-0.0266	-0.0059	0	0.0127	-0.0068	0.13
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	3	0	-0.0187	0.0245	0	0.0196	-0.0437	0.1182
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	4	0	-0.0145	0.03	0	0.0253	-0.055	0.1348
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_mica	5	0	-0.0188	-0.0303	0	0.0461	-0.0187	0.1231
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	1	0	-0.0342	-0.0108	0	0.0212	-0.0101	0.1525
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	2	0.007	-0.0846	0.0045	0.007	0.0387	-0.0496	0.2588
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	3	0.0027	-0.0035	-0.0012	0.0027	-0.0006	-0.0008	0.0206
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	4	0	-0.0207	-0.0137	0	0.0289	-0.0152	0.0951
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_mica	5	0	-0.014	-0.0255	0	0.0344	-0.0136	0.0923
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	3	0	-0.0086	-0.0183	0	0.0351	-0.0225	0.0998
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_5_mica	4	0	-0.0026	-0.0126	0	0.0124	0	0.051
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	1	0.0057	-0.055	-0.0097	0.0057	0.0437	-0.0393	0.2233
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	2	0	-0.0173	-0.002	0	0.0321	-0.0301	0.1318
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	3	0	-0.0242	0.0119	0	0.0222	-0.0333	0.1043
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	4	0	-0.0684	0.0047	0	0.0101	-0.0145	0.1328
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_mica	5	0	-0.0308	-0.0091	0	0.0363	-0.0248	0.1083
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	1	0.0227	-0.0387	-0.0177	0	0.032	-0.0143	0.1597

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	2	0	-0.0522	0.0208	0	0.0649	-0.0905	0.2346
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_mica	3	0	-0.0144	-0.0127	0	0.0201	-0.0105	0.068
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	1	0	-0.0329	0.0129	0	0.0337	-0.0463	0.1989
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	2	0.0013	-0.0621	-0.0088	0	0.0464	-0.047	0.2671
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN-G1	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_9_mica	3	0	-0.0223	-0.0076	0	0.0259	-0.0183	0.0942
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	1	0.0034	-0.0167	-0.0001	0.0034	0.0067	-0.0097	0.0784
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	2	0	-0.0146	0	0	0.0126	-0.0126	0.0806
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_10_mica	3	0	-0.0268	0	0	0.0345	-0.0345	0.0822
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	1	0	-0.0337	-0.0045	0	0.0151	-0.0408	0.2603
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	2	0	-0.0208	0	0	0.0175	-0.0204	0.1026
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	3	0	-0.021	0	0	0.017	-0.0155	0.0673
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	4	0.0195	-0.0094	-0.0009	0.0195	0.0126	-0.0309	0.0887
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_1_mica	5	0	-0.0126	0.0001	0	0.0111	-0.0102	0.0405
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	1	0.0213	-0.0396	-0.0015	0.0213	0.0228	-0.0421	0.1693
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	2	0	-0.0104	-0.0004	0	0.0104	-0.01	0.0479
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	3	0	0.002	-0.0003	0	0.0309	-0.0334	0.109
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	4	0	0.0056	-0.0019	0	0.0044	-0.0101	0.112
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_2_mica	5	0.0045	-0.0251	-0.0013	0.0045	0.0221	-0.025	0.1074
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	1	0	-0.0183	0	0	0.0122	-0.0122	0.117
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	2	0	-0.0181	-0.0006	0	0.0177	-0.015	0.0602
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	3	0	-0.0226	0	0	0.0175	-0.0175	0.0835
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	4	0	-0.0146	0	0	0.0077	-0.0073	0.0557
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_3_mica	5	0	-0.0213	0	0	0.0195	-0.0184	0.0731
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	1	0	-0.0362	-0.0013	0	0.0468	-0.0459	0.1104
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	2	0	-0.0228	0.0022	0	0.0108	-0.0119	0.0748
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	3	0	0.0159	-0.0022	0	0.0066	-0.0078	0.0994
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	4	0	-0.016	-0.0022	0	0.0144	-0.0122	0.0618
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_4_mica	5	0	-0.0143	-0.0026	0	0.0075	-0.0048	0.0522
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	1	0	-0.0229	-0.0003	0	-0.0088	-0.0024	0.2333
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	2	0.0012	-0.0122	0.0253	0.0012	-0.0333	0.0077	0.2006
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	3	0.0067	0.0053	0	0.0067	-0.0071	0.0005	0.0624
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_5_mica	4	0	-0.0279	-0.0024	0	0.0302	-0.0274	0.1076
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	1	0	-0.0193	0	0	0.0178	-0.0178	0.0859
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	2	0.0277	-0.0265	0	0.0277	0.0099	-0.0365	0.1458
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	3	0	-0.0263	-0.0013	0	0.0248	-0.0233	0.0958
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_6_mica	4	0.0029	-0.0236	-0.0028	0.0029	0.0105	-0.0102	0.0813
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	1	0.0112	-0.0234	-0.0005	0	0.0133	-0.0121	0.2028
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	2	0	0.0002	-0.0003	0	0.0096	-0.0093	0.0764
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	3	0	-0.0265	-0.0002	0	0.0264	-0.0268	0.1418
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	4	0	-0.0219	0	0	0.0257	-0.0251	0.0879
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_7_mica	5	0	-0.0164	0	0	-0.0329	0.0008	0.2906
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	1	0.0032	-0.0243	0	0.0032	0.0224	-0.0242	0.126
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	2	0	-0.0089	-0.0026	0	-0.0149	0.0163	0.1199
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	3	0	-0.0198	0.0003	0	0.0154	-0.0153	0.0733
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	4	0	0.0006	-0.0028	0	0.0103	-0.0067	0.053
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_8_mica	5	0	-0.0263	-0.0006	0	0.0252	-0.0231	0.0931
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	1	0.0058	-0.0288	-0.0016	0.0058	0.0201	-0.0228	0.1244
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	2	0.0052	-0.0344	-0.0026	0.0052	0.0288	-0.0313	0.1391
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	3	0	-0.0061	-0.0028	0	0.0076	-0.0047	0.0272

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	T_Fe3+	T_Si4+	A_O2-	A_S2-	A_OH-	A_F-	Total
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	4	0	0.0181	-0.0018	0	-0.0183	0.0169	0.1517
MOSTMEG	SCB2#15	Portugal	Iberian Massif	PAN-G2	Ms-granite	PAN-G2	MOSTMEG_lvo-SCB215_9_mica	5	0	-0.0203	-0.0036	0	0.0254	-0.0197	0.0724