

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	2	0	3.368	37.527	0	0	0.138	17.992
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	2	0	2.892	36.95	0	0	0.068	18.287
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	2	0	2.759	37.141	0	0	0.033	17.448
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	2	0	3.101	36.379	0	0	0.09	17.804
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	2	0	3.287	36.656	0	0	0.116	17.775
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	2	0	2.55	36.779	0	0	0.144	17.949
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	2	0	2.727	34.715	5.8412	0	0.076	18.432
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	2	0	2.921	36.974	0	0	0.076	18.169
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	2	0	2.766	36.321	0	0	0.12	18.435
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	2	0	2.881	36.798	0	0	0.137	17.952
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	2	0	3.19	36.928	0	0	0.114	17.675
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	2	0	2.777	36.398	0	0	0.093	17.667
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	2	0	3.053	36.824	1.7243	0	0.106	18.06
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	2	0	2.855	37.363	0	0	0.107	17.979
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	2	0	2.876	37.275	0	0	0.089	18.152
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	2	0	3.236	37.306	0	0	0.297	17.675
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	2	0	3.517	36.562	0	0	0.165	17.822
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	2	0	2.494	36.986	0	0	0.362	17.189
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	2	0	2.45	36.602	0	0	0.246	17.914
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	2	0	2.466	36.766	0	0	0.324	17.977
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	2	0	2.534	36.866	7.0055	0	0.183	18.086
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	2	0	2.764	36.713	6.7333	0	0.223	18.363
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	2	0	2.496	36.821	0	0	0.294	17.491
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	2	0	1.968	37.082	0	0	0.436	17.768
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	2	0	2.482	37.007	0	0	0.302	17.355
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	2	0	3.117	38.444	0	0	0.121	18.21
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	2	0	3.232	37.224	0	0	0.091	17.662
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	2	0	3.45	39.791	0	0	0.133	16.424
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	2	0	2.966	37.454	0	0	0.166	17.177
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	2	0	3.346	37.307	0	0	0.153	17.941
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	2	0	2.828	37.392	0	0	0.104	17.679
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	2	0	4.59	36.603	0	0	0.102	17.605
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	2	0	3.17	36.512	0	0	0.092	17.547
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	2	0	2.968	37.013	0	0	0.07	17.489
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	2	0	3.026	37.033	0	0	0.139	17.265
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	2	0	2.963	36.135	0	0	0.11	17.935
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	2	0	2.992	36.566	0.6272	0	0.102	17.48
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	2	0	3.05	36.947	0	0	0.089	17.288
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	2	0	2.92	37.409	0	0	0.106	17.973
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	2	0	2.406	37.256	0	0	0.107	18.775
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	2	0	3.114	36.672	0	0	0.108	17.833
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	2	0	3.544	37.259	0	0	0.114	17.685
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	2	0	3.522	36.696	0	0	0.075	17.981
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	2	0	3.336	36.876	0	0	0.064	17.625
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	2	0	3.511	37.133	0	0	0.077	17.847
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	2	0	2.667	37.677	0	0	0.057	17.813
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	2	0	3.119	38.466	0	0	0.116	19.738
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	2	0	3.773	37.474	0	0	0.054	18.478
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	2	0	4.623	35.985	9.4372	0	0.115	18.228

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	2	0	3.185	37.407	0	0	0.113	18.265
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	2	0	2.691	36.687	0	0	0.067	18.932
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	2	0	2.578	37.132	0	0	0.085	18.914
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	2	0	2.843	37.118	0	0	0.087	18.792
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	2	0	3.634	37.101	0	0	0.083	18.493
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	2	0	1.666	36.808	6.6332	0	0.438	16.782
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	2	0	1.638	37.193	5.0879	0	0.464	17.088
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	2	0	1.548	37.045	4.9194	0	0.291	17.01
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	2	0	1.782	36.876	6.8852	0	0.477	16.864
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	2	0	1.792	37.616	4.9684	0	0.546	16.667
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	2	0	1.469	37.484	4.9672	0	0.437	16.749
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	2	0	1.437	37.255	0	0	0.413	17.118
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	2	0	1.274	38.021	4.8491	0	0.437	16.91
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	2	0	1.675	37.163	5.121	0	0.496	17.097
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	2	0	1.576	38.178	4.8624	0	0.053	16.765
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	2	0	1.82	37.016	5.1355	0	0.114	17.212
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	2	0	1.599	37.933	4.7774	0	0.089	16.875
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	2	0	1.627	36.922	5.563	0	0.06	17.886
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	2	0	1.704	37.544	8.5249	0	0.118	18.36
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	2	0	1.836	37.167	5.3808	0	0.122	17.912
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	2	0	2.043	37.274	0	0	0.108	17.479
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	2	0	1.825	36.936	0	0	0.102	17.55
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	2	0	2.479	36.363	0	0	0.072	17.741
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	2	0	1.592	36.674	5.3491	0	0.076	18.036
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	2	0	1.65	36.579	6.1274	0	0.08	17.699
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	2	0	1.662	37.698	7.6981	0	0.076	17.34
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	2	0	1.75	36.989	0	0	0.052	17.387
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	2	0	2.544	35.774	0	0	0.084	17.219
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	2	0	2.596	35.696	6.1219	0	0.084	17.202
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	2	0	1.67	37.339	5.3596	0	0.125	17.804
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	2	0	2.598	34.883	0	0	0.043	17.988
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	2	0	1.723	36.531	0	0	0.088	17.798
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	2	0	1.455	38.133	8.0377	0	0.08	18.024
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	2	0	1.774	37.438	0	0	0.077	17.542
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	2	0	1.711	38.512	5.1981	0	0.123	16.89
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	2	0	2.819	36.411	0	0	0.084	17.782
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	2	0	6.145	34.324	0	0	0.066	17.561
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	2	0	3.15	36.175	0	0	0.074	17.699
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	2	0	1.645	36.42	7.2496	0	0.096	17.479
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	2	0	1.636	36.63	6.8951	0	0.079	17.379
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	2	0	2.888	34.91	7.4194	0	0.097	18.223
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	2	0	2.999	35.674	7.2671	0	0.059	17.831
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	2	0	4.266	34.757	6.6143	0	0.121	17.649
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	2	0	1.839	37.797	6.8243	0	0.06	17.485
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	2	0	1.68	38.215	5.5548	0	0.138	17.426
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	2	0	1.375	37.298	8.1478	0	0.108	18.041
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	2	0	1.602	37.016	0	0	0.088	17.687
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	2	0	1.812	37.009	0	0	0.089	17.293
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	2	0	1.891	36.77	7.5911	0	0.087	17.613

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	2	0	1.307	36.188	7.8098	0	0.122	18.229
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	2	0	3.129	35.738	0	0	0.08	18.65
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	2	0	2.813	37.021	5.4968	0	0.092	18.027
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	2	0	3.12	35.78	0	0	0.11	18.624
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	2	0	3.148	36.73	0	0	0.114	18.338
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	2	0	2.973	36.455	7.5342	0	0.015	18.061
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	2	0	2.52	36.101	7.558	0	0.096	17.992
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	2	0	2.535	36.056	0	0	0.112	18.161
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	2	0	3.2	35.641	0	0	0.035	18.082
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	2	0	1.388	38.282	4.8403	0	0.095	16.056
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	2	0	1.509	37.68	5.0053	0	0.061	16.25
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	2	0	1.429	38.335	4.7869	0	0.087	15.848
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	2	0	0.874	41.277	9.9208	0	0.032	21.114
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	2	0	0.904	40.799	11.5191	0	0.074	21.299
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	2	0	0.854	39.915	8.9551	0	0.07	21.331
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	2	0	2.246	36.898	0	0	0.057	21.82
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	2	0.032	1.969	37.488	0	0	0.083	21.81
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	2	0	1.659	38.096	11.012	0	0.053	21.649
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	2	0	1.826	37.198	10.4724	0	0.036	21.647
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	2	0	1.903	37.609	9.4748	0	0.08	21.393
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	2	0	2.656	35.285	0	0	0.07	21.967
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	2	0	2.68	35.975	0	0	0.071	22.033
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	2	0	2.221	35.281	0	0	0.063	22.466
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	2	0	2.044	35.852	0	0	0.044	22.246
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	2	0	2.195	36.218	0	0	0.106	21.864
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	2	0	2.155	37.297	0	0	0.073	21.564
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	2	0	1.969	37.825	0	0	0.089	22.164
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	2	0	1.852	36.698	0	0	0.075	21.929
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	2	0	2.869	35.346	0	0	0.103	21.761
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	2	0	2.535	35.789	0	0	0.043	21.379
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	2	0	2.355	35.883	0	0	0.037	21.917
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	2	0	1.937	35.318	0	0	0.047	22.089
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	2	0	1.94	35.036	0	0	0.096	22.088
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	2	0.01	1.945	37.123	0	0	0.078	22.231
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	2	0	2.637	36.057	2.057	0	0.041	21.651
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	2	0	2.759	37.143	0	0	0.074	21.226
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	2	0	2.261	37.456	0	0	0.087	21.242
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	2	0	2.197	37.319	0	0	0.041	21.822
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	2	0	2.562	36.849	0	0	0.024	21.527
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	2	0	2.2	37.131	9.0619	0	0.052	21.829
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	2	0	1.781	37.857	10.1363	0	0.074	22.07
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	2	0	1.586	38.885	0	0	0.089	21.587
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	2	0	1.775	37.399	0	0	0.039	21.702
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	2	0	2.023	37.493	0	0	0.064	21.902
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	2	0	2.144	35.555	0	0	0.106	22.228
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	2	0	1.858	37.726	0	0	0.079	22.6
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	2	0	2.552	35.087	7.5657	0	0.025	19.446
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	2	0	2.954	35.54	0	0	0.092	19.529
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	2	0	2.895	36.531	0	0	0.086	19.903

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	2	0	3.475	35.866	0	0	0.11	19.37
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	2	0	3.438	35.969	0	0	0.074	19.066
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	2	0	3.247	36.403	0	0	0.123	19.591
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	2	0	3.046	36.197	0	0	0.069	19.7
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	2	0	3.178	36.045	0	0	0.072	19.245
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	2	0	3.751	35.105	0	0	0.067	19.34
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	2	0	3.337	36.553	0	0	0.077	19.168
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	2	0	2.955	36.409	0	0	0.064	19.154
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	2	0	3.549	36.702	0	0	0.07	18.989
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	2	0	3.284	36.247	0	0	0.051	18.891
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	2	0	2.247	35.432	0	0	0.083	19.855
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	2	0	2.665	35.439	0	0	0.044	19.979
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	2	0	3.482	35.984	0	0	0.076	19.671
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	2	0	3.061	36.685	0	0	0.102	19.291
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	2	0	3.214	35.868	0	0	0.083	19.316
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	2	0	3.161	35.937	0	0	0.101	19.275
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	2	0	3.265	35.853	0	0	0.093	19.335
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	2	0	3.549	36.561	0	0	0.072	18.864
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	2	0	3.454	35.434	0	0	0.105	19.73
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	2	0	3.593	36.223	0	0	0.111	19.264
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	2	0	3.32	35.699	0	0	0.1	18.756
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	2	0	0.01	34.362	9.3316	0	0.094	21.084
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	2	0	0.014	35.304	0	0	0.068	20.949
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	2	0	1.453	35.505	0	0	0.12	19.72
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	2	0	1.641	35.261	0	0	0.066	19.452
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	2	0	1.35	35.871	0	0	0.062	19.672
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	2	0	3.086	35.117	0	0	0.076	19.921
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	2	0	3.142	35.577	0	0	0.077	19.866
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	2	0	2.853	35.908	0	0	0.049	20.136
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	2	0	2.914	35.075	0	0	0.071	19.656
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	2	0	3.112	35.82	0	0	0.043	19.158
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	2	0	2.335	37.089	0	0	0.1	19.168
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	2	0	2.285	36.812	0	0	0.081	18.966
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	2	0	2.31	35.716	0	0	0.074	19.112
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	2	0	2.233	36.673	0	0	0.111	19.238
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	2	0	2.336	34.795	8.0255	0	0.052	19.513
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	2	0	2.071	36.123	0	0	0.039	18.649
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	2	0	2.275	35.719	0	0	0.074	18.697
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	2	0	2.17	36.031	0	0	0.075	18.523
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	2	0	1.938	36.522	0	0	0.07	18.445
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	2	0	2.391	35.666	0	0	0.07	18.819
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	2	0	2.403	35.746	0	0	0.042	18.945
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	2	0	2.252	35.938	0	0	0.048	18.836
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	2	0	2.217	36.19	0	0	0.102	19.036
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	2	0	1.946	36.193	0	0	0.072	19.735
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	2	0.019	2.235	35.551	8.9586	0	0.047	19.464
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	2	0	2.291	35.88	0	0	0.115	19.358
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	2	0	2.411	35.776	0	0	0.069	19.399
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	2	0	2.447	35.575	0	0	0.075	19.239

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	2	0	2.413	35.517	0	0	0.106	19.398
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	2	0	2.451	35.634	0	0	0.092	19.506
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	2	0	2.438	35.997	0	0	0.03	19.301
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	2	0	2.516	35.655	0	0	0.092	19.447
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	2	0	2.588	36.653	7.0169	0	0.1	18.875
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	2	0	2.582	35.612	0	0	0.092	18.844
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	2	0	2.598	36.001	0	0	0.097	18.64
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	2	0	2.334	35.566	7.6604	0	0.023	19.166
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	2	0	2.455	35.764	0	0	0.037	19.011
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	2	0	2.846	35.804	0	0	0.064	18.642
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	2	0	2.564	35.859	0	0	0.094	18.843
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	2	0	2.605	35.61	0	0	0.097	19.224
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	2	0	2.696	35.953	0	0	0.068	19.129
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	2	0	2.559	35.806	0	0	0.086	19.225
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	2	0	2.486	35.426	7.3302	0	0.1	19.736
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	2	0	2.633	35.639	0	0	0.095	19.915
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	2	0	2.268	36.177	0	0	0.122	19.852
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	2	0	1.636	35.879	0	0	0.032	20.63
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	2	0	1.638	36.183	0	0	0.065	20.593
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	2	0	3.052	35.854	0	0	0.071	19.275
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	2	0	2.728	34.207	6.415	0	0.069	18.981
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	2	0	2.737	35.906	7.1435	0	0.108	19.299
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	2	0	2.381	37.025	0	0	0.106	19.564
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	2	0	2.445	36.435	0	0	0.068	19.441
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	2	0	2.123	36.272	0	0	0.044	19.902
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	2	0	2.509	36.802	0	0	0.07	19.506
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	2	0	2.304	36.404	7.2141	0	0.092	19.059
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	2	0	3.346	35.768	0	0	0.044	19.19
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	2	0	3.355	35.243	0	0	0.069	19.122
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	2	0	3.46	35.659	6.7945	0	0.069	18.739
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	2	0.021	3.546	36.136	0	0	0.062	19.07
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	2	0	3.523	36.076	0	0	0.096	19.227
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	2	0	2.203	36.408	0	0	0.076	19.963
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	2	0	2.052	36.56	0	0	0.092	19.728
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	2	0	2.197	37.098	0	0	0.101	19.897

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	BaO	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	0.702	0	17.981	0.158	0.007	10.064	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0.459	0	17.817	0.188	0.009	10.251	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0.215	0	17.876	0.208	0	10.654	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0.413	0	18.322	0.229	0	10.584	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0.488	0	17.875	0.186	0.003	10.46	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0.426	0	17.961	0.196	0	10.769	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0.266	0	14.497	0.246	0.011	11.421	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0.405	0	17.971	0.203	0	10.443	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0.368	0	18.036	0.193	0	10.364	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0.198	0	18.798	0.207	0.019	10.753	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0.339	0	17.738	0.205	0.015	10.2	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.37	0	18.123	0.166	0.018	10.698	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.266	0	15.8605	0.164	0.009	10.329	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0.303	0	17.352	0.178	0.003	10.487	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0.175	0	17.432	0.196	0	10.352	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0.26	0	17.836	0.199	0.025	10.175	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0.37	0	17.723	0.228	0.021	10.127	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0.264	0	17.582	0.158	0.015	10.963	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0.21	0	17.27	0.134	0	10.98	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0.205	0	17.246	0.175	0	10.746	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0.19	0	10.8834	0.181	0.005	10.309	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0.196	0	10.9213	0.127	0.022	10.223	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0.231	0	17.145	0.202	0.008	11.135	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0.153	0	16.249	0.137	0.01	11.744	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0.278	0	17.221	0.177	0	11.302	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0.339	0	17.431	0.214	0.022	9.924	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0.374	0	17.871	0.192	0.01	10.378	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0.428	0	17.675	0.292	0.155	9.651	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0.324	0	18.045	0.192	0.017	10.403	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0.388	0	18.135	0.193	0.021	9.939	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0.49	0	17.288	0.21	0.018	10.367	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0.545	0	17.347	0.217	0.032	10.235	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0.542	0	17.592	0.215	0.058	10.236	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0.536	0	17.681	0.209	0.007	9.985	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	0.544	0	17.684	0.18	0.054	10.402	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0.406	0	17.421	0.197	0	10.581	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0.388	0	17.0256	0.182	0.009	10.62	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0.216	0	17.635	0.16	0.023	10.658	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0.238	0	17.616	0.174	0.068	10.35	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	0.249	0	17.003	0.173	0.053	10.402	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0.437	0	18.092	0.215	0.05	10.075	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0.262	0	20.555	0.237	0.073	7.797	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0.212	0	20.901	0.248	0.049	7.731	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0.183	0	20.719	0.289	0.049	8.042	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0.226	0	19.796	0.309	0.021	8.142	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0.083	0	21.186	0.292	0.017	8.473	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	0.186	0	18.501	0.323	0.041	7.305	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0.232	0	19.765	0.311	0.023	7.489	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0.164	0	8.7863	0.318	2.635	8.194	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	BaO	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0.208	0	19.521	0.309	0.022	8.116	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0.004	0	20.471	0.289	0.052	8.325	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0.043	0	20.286	0.291	0.017	8.41	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0.228	0	19.589	0.299	0.013	8.296	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0.255	0	19.593	0.342	0	7.834	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0.068	0	16.7814	0.112	0.087	8.966	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0.03	0	17.6948	0.133	0.017	8.811	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0.061	0	17.8675	0.118	0.048	8.98	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0.056	0	16.3006	0.103	0.058	8.666	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0	0	18.0404	0.101	0.019	8.432	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0.013	0	17.5195	0.116	0.018	9.155	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0.045	0	22.016	0.149	0.004	8.46	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0.001	0	17.7547	0.047	0.023	8.916	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0	0	17.9191	0.152	0.04	8.546	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0.004	0	17.4208	0.177	0	8.804	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0.044	0	18.198	0.154	0.013	8.566	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0.058	0	18.0433	0.172	0.005	8.834	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0.027	0	18.5983	0.277	0.041	6.831	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0	0	14.0422	0.18	0.012	6.31	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0.074	0	18.6944	0.309	0.038	6.775	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0.038	0	23.696	0.251	0.063	6.79	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0.057	0	23.516	0.261	0.038	6.661	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0.051	0	24.468	0.264	0.081	5.913	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0.065	0	18.9728	0.261	0.09	6.947	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0.041	0	18.0685	0.303	0.136	7.195	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0.061	0	15.9512	0.27	0.125	7.012	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0.003	0	23.985	0.282	0.052	6.981	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.334	0	24.092	0.304	0.077	6.263	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0.168	0	18.7595	0.268	0.084	6.174	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0.004	0	18.2134	0.279	0.166	7.151	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0.119	0	24.932	0.274	0.116	6.395	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.033	0	23.632	0.267	0.087	6.96	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.045	0	15.8756	0.222	0.126	6.665	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0	0	23.613	0.29	0.042	6.934	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0.044	0	17.8457	0.25	0.109	7.356	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0.195	0	22.426	0.321	0.041	7.113	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	0.189	0	22.082	0.253	0.022	6.934	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.334	0	22.507	0.343	0.02	6.862	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0.04	0	16.3257	0.278	0.068	7.001	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0.045	0	15.9007	0.212	0.247	7.349	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.082	0	15.6109	0.305	0.094	6.959	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0.442	0	15.202	0.292	0.137	7.012	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0.296	0	14.9914	0.27	0.041	7.199	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0.033	0	16.1885	0.273	0.134	6.967	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0.104	0	17.5517	0.255	0.201	7.017	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0.047	0	15.6466	0.259	0.143	6.854	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0.017	0	23.452	0.328	0.029	6.894	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0.06	0	23.542	0.264	0.008	6.876	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0.074	0	15.7724	0.283	0.032	7.07	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	BaO	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	0.007	0	16.2437	0.275	0.124	6.952	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	0.05	0	22.642	0.147	0.096	6.911	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	0.039	0	17.1549	0.205	0.162	7.288	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0.054	0	22.348	0.213	0.078	6.375	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	0	0	22.086	0.213	0.11	6.379	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	0.059	0	15.3997	0.256	0.332	7.305	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	0.063	0	17.1772	0.306	0.187	6.206	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	0.118	0	24.027	0.335	0.207	5.938	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	0.294	0	24.073	0.302	0.194	5.702	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0.066	0	12.5997	0.156	0.072	14.86	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0.009	0	12.8892	0.123	0.045	14.883	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0.007	0	12.8787	0.128	0.063	14.882	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0.042	0	9.9962	0.168	0.013	1.171	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0.02	0	9.437	0.211	0.009	1.138	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0.025	0	12.9072	0.181	0.015	1.143	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0.008	0	24.506	0.171	0.022	1.332	0	0.025
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0.034	0	22.964	0.168	0.012	1.297	0	0.008
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0.059	0	12.6373	0.126	0.017	1.274	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0.013	0	13.8169	0.158	0	1.252	0	0.005
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0.018	0	14.4935	0.168	0.016	1.289	0	0.008
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0.011	0	24.659	0.295	0	1.667	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0.085	0	24.025	0.287	0	1.734	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0.043	0	24.351	0.267	0	1.704	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0.036	0	24.469	0.158	0.001	1.445	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0.001	0	24.325	0.193	0	1.471	0	0.016
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0.003	0	23.309	0.113	0.013	1.604	0	0.097
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0.032	0	22.043	0.157	0.043	1.493	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0.048	0	23.501	0.225	0.012	1.417	0	0.022
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0	0	24.685	0.223	0.002	1.99	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0	0	25.017	0.256	0	2.111	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0	0	24.293	0.221	0.002	1.985	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0	0	25.059	0.185	0.015	1.804	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0	0	25.38	0.251	0.035	1.866	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	0	23.152	0.236	0.004	1.714	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0	0	23.2841	0.192	0	1.59	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0.143	0	24.244	0.225	0.005	1.663	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	0	23.349	0.149	0.019	1.721	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0.045	0	23.397	0.203	0.022	1.675	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	0.017	0	23.278	0.261	0.001	1.808	0	0.041
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0.092	0	13.8481	0.215	0	1.833	0	0.058
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0.044	0	12.1163	0.227	0.024	1.788	0	0.014
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0.052	0	21.839	0.245	0	1.625	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0	23.587	0.229	0.008	1.371	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0.017	0	22.447	0.2	0.005	1.485	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0.07	0	24.649	0.211	0.001	1.395	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0.073	0	22.161	0.187	0	1.417	0	0.02
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	0.056	0	17.2703	0.165	0.042	5.004	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0.007	0	23.265	0.134	0.01	4.987	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0.025	0	22.053	0.101	0.015	4.988	0	0



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	BaO	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0.111	0	23.721	0.201	0	4.73	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0.171	0	23.393	0.169	0.027	4.825	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.086	0	22.756	0.178	0.009	4.901	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0.054	0	23.015	0.077	0.002	4.801	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0.125	0	22.671	0.086	0.001	4.842	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0.061	0	24.009	0.111	0.003	4.61	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.081	0	23.165	0.096	0.008	4.962	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.15	0	23.704	0.172	0.004	5.194	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0.078	0	23.96	0.14	0.021	4.868	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0.192	0	23.818	0.162	0.012	5.173	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0	0	23.74	0.208	0.011	5.332	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0.046	0	23.436	0.191	0.011	4.804	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.046	0	22.56	0.152	0.041	4.712	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0.037	0	23.752	0.072	0.023	5.077	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0.018	0	24.207	0.081	0	4.932	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0.104	0	23.93	0.085	0.01	5.041	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.039	0	23.714	0.16	0.005	4.83	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0.106	0	23.472	0.13	0.013	5.035	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0.024	0	23.691	0.201	0.015	4.849	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0	0	23.723	0.145	0	4.779	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.071	0	24.039	0.183	0.002	4.905	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0.024	0	14.9023	0.293	0.031	7.45	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0	0	22.049	0.357	0.008	6.928	0.027	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0.027	0	22.916	0.297	0.01	6.472	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.035	0	23.253	0.364	0.006	6.568	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0.008	0	22.724	0.296	0.031	6.438	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0.054	0	23.974	0.196	0	4.585	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0	0	24.117	0.21	0.017	4.622	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0.025	0	23.362	0.11	0.018	4.949	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0.131	0	24.227	0.19	0.042	5.49	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0	0	23.762	0.115	0.033	5.055	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0.076	0	25.488	0.427	0.392	3.692	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0.04	0	24.874	0.35	0.019	4.019	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0.071	0	25.339	0.414	0.482	3.864	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0.209	0	24.811	0.425	0.038	3.96	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0.031	0	18.2976	0.413	0.361	3.663	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0.075	0	24.924	0.349	0.003	4.287	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0.018	0	25.206	0.396	0	4.113	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0.035	0	24.991	0.386	0.009	4.341	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0	0	24.376	0.304	0.029	4.582	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0.034	0	25.501	0.424	0.021	4.047	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0	0	25.622	0.475	0.032	3.928	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0.051	0	25.579	0.442	0.026	4.187	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0.173	0	24.135	0.383	0.041	4.423	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0.098	0	23.633	0.317	0.026	4.317	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0	0	15.396	0.396	0.028	4.34	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0.255	0	23.725	0.376	0.021	4.264	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0.058	0	23.907	0.333	0.031	4.284	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0.041	0	25.022	0.393	0.041	4.505	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	BaO	ZnO	FeO	MnO	CaO	MgO	Cs2O	Rb2O
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	0	25.039	0.437	0.019	4.444	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	0	24.668	0.398	0.042	4.348	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0.044	0	24.875	0.4	0.014	4.377	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0.057	0	24.965	0.409	0.04	4.281	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0.067	0	17.6901	0.262	0.333	4.246	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0.04	0	25.713	0.359	0.323	4.148	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0	0	25.765	0.322	0.328	4.157	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0.051	0	18.0111	0.297	0.29	4.146	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	0	24.477	0.368	0.088	4.295	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0.117	0	24.635	0.413	0.025	4.036	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0.01	0	24.777	0.368	0.003	3.951	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0.011	0	25.483	0.338	0.124	4.166	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0.202	0	24.844	0.371	0.062	4.232	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0.047	0	25.155	0.378	0.032	4.312	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0.013	0	18.5943	0.351	0.024	3.022	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0.034	0	24.674	0.418	0.039	3.01	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.049	0	25.049	0.399	0.021	2.872	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0.061	0	23.777	0.387	0.001	3.72	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	0	23.831	0.368	0.006	3.737	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0.095	0	24.045	0.375	0	3.474	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0.24	0	17.9137	0.329	0.142	3.833	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0.067	0	17.1172	0.412	0.001	3.695	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0.028	0	24.264	0.353	0.028	2.931	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0.041	0	24.264	0.293	0	2.923	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0.083	0	25.308	0.368	0.01	2.932	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0.208	0	24.241	0.329	0.026	3.011	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0.123	0	18.1117	0.291	0.021	3.137	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0.069	0	25.311	0.453	0.032	2.627	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0.159	0	25.366	0.417	0.014	2.621	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0.127	0	18.9503	0.405	0.123	2.587	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0.138	0	25.14	0.42	0	2.511	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.194	0	25.285	0.426	0.019	2.474	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0.04	0	23.772	0.378	0.021	3.54	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0.048	0	23.814	0.365	0.02	3.506	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0.28	0	23.237	0.35	0.023	3.586	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	K2O	Na2O	Li2O	Cl	F	H2O	Total#	O=F
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	9.88	0.086	0	0.087	0.241	3.5089	101.7399	-0.1015
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	9.933	0.091	0	0.039	0.338	3.4977	100.8197	-0.1423
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	10.024	0.08	0	0.025	0.273	3.5284	100.2644	-0.115
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	9.652	0.09	0	0.07	0.362	3.4279	100.5239	-0.1524
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	10.002	0.11	0	0.04	0.388	3.4138	100.7998	-0.1634
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	9.88	0.044	0	0.039	0.385	3.502	100.624	-0.1621
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	8.472	0.061	0	0.048	0.232	3.5693	100.6145	-0.0977
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	9.993	0.096	0	0.066	0.377	3.4778	101.1718	-0.1587
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	9.972	0.084	0	0.034	0.194	3.561	100.448	-0.0817
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	9.572	0.042	0	0.039	0.219	3.5659	101.1809	-0.0922
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	10.081	0.087	0	0.054	0.327	3.4433	100.3963	-0.1377
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	10.046	0.048	0	0.055	0.467	3.4075	100.3335	-0.1966
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	10.158	0.132	0	0.053	0.206	3.5409	100.4857	-0.0867
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	10.082	0.126	0	0.057	0.387	3.4823	100.7613	-0.163
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	10.156	0.095	0	0.033	0.3	3.5266	100.6576	-0.1263
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	9.683	0.127	0	0.027	0.188	3.5335	100.5675	-0.0792
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	9.942	0.146	0	0.066	0.223	3.4484	100.3604	-0.0939
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	9.7	0.091	0	0.031	0.381	3.4874	99.7034	-0.1604
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	10.104	0.088	0	0.046	0.432	3.4723	99.9483	-0.1819
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	9.976	0.076	0	0.026	0.309	3.5371	99.8291	-0.1301
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	10.03	0.108	0.0175	0.063	0.293	3.5915	100.3459	-0.1234
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	10.041	0.113	0.0182	0.029	0.417	3.5175	100.4213	-0.1756
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	10.092	0.038	0	0.03	0.491	3.4416	99.9156	-0.2067
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	10.085	0.104	0	0.03	0.34	3.5924	99.6984	-0.1432
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	9.994	0.123	0	0.055	0.539	3.4263	100.2613	-0.227
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	10.131	0.092	0	0.038	0.227	3.5926	101.9026	-0.0956
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	9.957	0.064	0	0.042	0.368	3.4457	100.9107	-0.155
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	9.368	0.075	0	0.047	0.369	3.4708	101.3288	-0.1554
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	9.875	0.018	0	0.028	0.351	3.4727	100.4887	-0.1478
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	10.067	0.083	0	0.047	0.064	3.5902	101.2742	-0.0269
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	9.815	0.101	0	0.036	0.281	3.5186	100.1276	-0.1183
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	9.777	0.093	0	0.041	0.361	3.2845	100.8325	-0.152
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	9.938	0.094	0	0.018	0.447	3.3671	99.8281	-0.1882
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	10.011	0.068	0	0.041	0.33	3.4479	99.8559	-0.139
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	9.924	0.07	0	0.057	0.273	3.4749	100.1259	-0.115
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	9.984	0.109	0	0.05	0.365	3.4213	99.6773	-0.1537
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	10.087	0.085	0	0.05	0.345	3.4425	100.0013	-0.1453
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	10.105	0.106	0	0.071	0.164	3.5244	100.0364	-0.0691
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	10.136	0.102	0	0.036	0.334	3.5115	100.9735	-0.1406
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	9.797	0.068	0	0.022	0.24	3.6131	100.1641	-0.1011
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	9.995	0.105	0	0.049	0.376	3.4253	100.5463	-0.1583
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	9.5	0.095	0	0.047	0.696	3.2179	101.0819	-0.2931
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	9.604	0.027	0	0.022	0.678	3.2212	100.9672	-0.2855
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	9.676	0.032	0	0.032	0.729	3.2125	100.8645	-0.307
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	9.865	0.067	0	0.021	0.773	3.1925	100.9805	-0.3255
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	9.75	0.078	0	0.033	0.717	3.354	102.197	-0.3019
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	9.509	0.049	0	0.033	0.589	3.4042	101.3792	-0.248
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	9.784	0.063	0	0.039	0.421	3.353	101.259	-0.1773
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	8.195	0.068	0	0.037	0.897	3.0839	100.7664	-0.3777

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	K2O	Na2O	Li2O	Cl	F	H2O	Total#	O=F
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	9.894	0.115	0	0.035	0.675	3.2927	101.1577	-0.2842
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	9.694	0.036	0	0.029	0.65	3.3608	101.2878	-0.2737
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	9.804	0.062	0	0.017	0.491	3.4738	101.6038	-0.2067
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	9.856	0.028	0	0.045	0.467	3.4313	101.0923	-0.1966
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	9.739	0.084	0	0.044	0.445	3.3433	100.9903	-0.1874
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	7.301	0.04	0.5852	0.018	0.914	3.3717	100.5715	-0.3849
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	8.746	0.039	0	0	0.834	3.4112	101.1869	-0.3512
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	8.617	0.035	0.0349	0.002	1.076	3.2919	100.9447	-0.4531
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	8.091	0.066	0.021	0.005	1.059	3.2726	100.5824	-0.4459
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	8.966	0.015	0	0	0.821	3.4011	101.3849	-0.3457
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	8.887	0.024	0	0	1.039	3.3343	101.2119	-0.4375
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	9.041	0.047	0	0.014	1.043	3.2614	100.3034	-0.4392
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	8.689	0.036	0.0489	0	0.898	3.4441	101.3489	-0.3781
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	8.504	0.059	0	0	0.886	3.3758	101.0339	-0.3731
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	8.921	0.054	0.0456	0	0.961	3.3736	101.1954	-0.4047
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	8.74	0.028	0	0	1.043	3.2853	101.3688	-0.4392
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	8.923	0.043	0.0521	0.006	1.074	3.3232	101.8069	-0.4522
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	8.809	0.027	0.0025	0.012	0.464	3.5547	100.7016	-0.1954
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	9.021	0.02	0.3561	0.026	0.609	3.5203	100.3476	-0.2564
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	8.797	0.055	0.0386	0	0.372	3.5988	101.1695	-0.1566
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	9.04	0.046	0	0.002	0.69	3.365	100.885	-0.2905
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	8.946	0.031	0	0.013	0.547	3.4211	99.9041	-0.2303
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	8.848	0.033	0	0.124	0.378	3.3872	100.2022	-0.1592
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	8.638	0.09	0.0425	0.007	0.557	3.518	100.9154	-0.2345
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	8.518	0.103	0.0013	0.004	0.562	3.5018	100.569	-0.2366
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	8.062	0.097	0.1881	0.01	0.469	3.5809	100.3002	-0.1975
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	8.893	0.062	0	0.014	0.752	3.3471	100.5491	-0.3166
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	9.193	0.07	0	0.096	0.408	3.3344	99.7924	-0.1718
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	9.254	0.031	0.0483	0.126	0.54	3.3183	100.4709	-0.2274
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	8.689	0.089	0.0378	0	0.604	3.5117	101.0424	-0.2543
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	8.711	0.104	0	0.123	0.343	3.3563	99.9853	-0.1444
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	8.786	0.071	0	0	0.308	3.5498	99.8338	-0.1297
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	7.387	0.092	0.0527	0.035	0.397	3.6565	100.2836	-0.1672
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	8.998	0.054	0	0.006	0.491	3.4947	100.7537	-0.2067
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	8.645	0.03	0.0299	0.007	0.866	3.3924	101.0091	-0.3646
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	9.693	0.037	0	0.175	0.479	3.3222	100.8982	-0.2017
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	9.253	0.042	0	0.099	0.43	2.9421	100.3421	-0.1811
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	9.576	0.107	0	0.169	0.373	3.3225	100.7115	-0.1571
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	8.803	0.062	0.8507	0.013	0.628	3.4847	100.4438	-0.2644
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	7.848	0.107	0	0	0.523	3.4798	98.3307	-0.2202
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	9.578	0.057	0.1996	0.137	0.549	3.3089	100.4179	-0.2312
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	8.841	0.048	0.6252	0.143	0.503	3.3449	100.4201	-0.2118
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	9.015	0.042	1.419	0.092	0.486	3.2294	100.4881	-0.2046
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	8.578	0.109	0.0485	0.004	0.555	3.5174	100.4126	-0.2337
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	8.304	0.124	0.003	0.01	0.672	3.4854	100.7409	-0.283
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	8.025	0.126	0.1159	0.019	0.511	3.592	100.3083	-0.2152
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	9.086	0.044	0	0.004	0.589	3.4439	100.2799	-0.248
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	9.165	0.068	0	0	0.685	3.3645	100.2355	-0.2884
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	8.885	0.024	0.214	0.018	0.458	3.5347	100.3173	-0.1929

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	K2O	Na2O	Li2O	Cl	F	H2O	Total#	O=F
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	8.427	0.055	0.5081	0.016	0.577	3.5492	100.3899	-0.243
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	9.079	0.1	0	0.119	0.284	3.3922	100.4172	-0.1196
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	8.291	0.12	0.0184	0.109	0.35	3.48	100.6671	-0.1474
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	9.731	0.084	0	0.123	0.286	3.3765	100.3025	-0.1204
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	9.48	0.08	0	0.114	0.45	3.3269	100.5689	-0.1895
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	7.236	0.091	0.6487	0.14	0.511	3.3961	100.4127	-0.2152
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	7.469	0.077	0.6169	0.114	0.424	3.4566	100.3638	-0.1785
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	8.526	0.075	0	0.108	0.234	3.4523	99.8843	-0.0985
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	8.767	0.076	0	0.126	0.343	3.309	100.144	-0.1444
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	7.994	0.064	0.0359	0.004	0.714	3.5994	100.8263	-0.3006
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	7.916	0.045	0.0103	0.017	0.92	3.4711	100.8339	-0.3874
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	7.985	0.051	0.0287	0.013	0.97	3.4681	100.9605	-0.4084
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	10.145	0.138	0.73	0.026	3.365	2.4004	101.4124	-1.4169
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	10.139	0.142	0	0.019	3.425	2.3512	101.4863	-1.4422
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	10.057	0.176	0.0977	0.023	2.949	2.538	101.2369	-1.2417
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	9.574	0.161	0	0.013	1.428	2.9886	101.2496	-0.6013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	9.664	0.171	0	0.017	1.788	2.8378	100.3428	-0.7529
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	9.265	0.118	0.0627	0.007	1.625	3.0638	100.7238	-0.6842
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	9.36	0.175	0.1033	0.005	1.865	2.9018	100.8343	-0.7853
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	9.492	0.121	0.0814	0.013	1.851	2.8983	100.909	-0.7794
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	9.473	0.21	0	0.06	1.232	2.9742	100.5592	-0.5188
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	9.643	0.224	0	0.044	1.389	2.9349	101.1249	-0.5849
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	9.726	0.222	0	0.063	1.371	2.9657	100.7437	-0.5773
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	9.575	0.224	0	0.021	1.435	2.9675	100.5175	-0.6042
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	9.575	0.203	0	0.029	1.43	2.9567	100.5827	-0.6021
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	9.547	0.165	0	0.014	1.679	2.8691	100.5021	-0.707
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	9.727	0.156	0	0.025	1.696	2.9026	100.3216	-0.7141
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	9.741	0.186	0	0.005	1.534	2.9531	100.1981	-0.6459
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	9.667	0.148	0	0.032	1.532	2.8298	101.1878	-0.6451
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	9.917	0.12	0	0.046	1.555	2.8633	101.6313	-0.6548
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	9.824	0.154	0	0.043	1.501	2.9122	101.1272	-0.632
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	9.906	0.137	0	0.058	1.739	2.8183	101.1123	-0.7322
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	9.892	0.134	0	0.036	1.497	2.9361	101.1871	-0.6303
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	9.837	0.227	0	0.021	1.772	2.8727	101.2227	-0.7461
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	9.979	0.2	0	0.035	1.459	2.9352	102.1173	-0.6143
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	9.959	0.18	0	0.047	1.401	2.9526	102.0216	-0.5899
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	9.894	0.162	0	0.015	1.801	2.8077	100.9637	-0.7584
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	9.764	0.177	0	0.031	1.566	2.9384	101.1974	-0.6594
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	9.622	0.219	0	0.036	1.878	2.721	100.844	-0.7908
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	9.665	0.208	0.0913	0.039	2.007	2.7898	101.12	-0.8451
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	9.781	0.188	0.0183	0.007	1.898	2.9252	100.9491	-0.7992
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	9.947	0.128	0	0.014	2.299	2.6857	100.9817	-0.968
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	9.883	0.108	0	0.045	1.761	2.8675	100.7745	-0.7415
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	9.942	0.159	0	0.007	1.691	2.886	100.321	-0.712
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	9.817	0.132	0	0.023	1.471	2.9321	100.7341	-0.6194
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	9.756	0.149	0	0	1.669	2.9461	100.6411	-0.7028
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	9.21	0.104	0.0064	0.054	0.276	3.4954	100.3588	-0.1162
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	9.707	0.119	0	0.046	0.597	3.2528	100.2398	-0.2514
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	9.856	0.147	0	0.037	0.313	3.4418	100.3918	-0.1318

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	K2O	Na2O	Li2O	Cl	F	H2O	Total#	O=F
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	9.765	0.131	0	0.034	0.527	3.2607	101.3017	-0.2219
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	9.757	0.151	0	0.029	0.636	3.2005	100.9055	-0.2678
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	9.736	0.144	0	0.055	0.549	3.2882	101.0662	-0.2312
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	9.767	0.18	0	0.041	0.466	3.3403	100.7553	-0.1962
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	9.657	0.125	0	0.039	0.578	3.2382	99.9022	-0.2434
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	9.775	0.13	0	0.039	0.424	3.2406	100.6656	-0.1785
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	9.719	0.144	0	0.049	0.618	3.2455	101.2225	-0.2602
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	9.604	0.131	0	0.054	0.735	3.2328	101.5628	-0.3095
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	9.719	0.118	0	0.079	0.462	3.3087	102.0637	-0.1945
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	9.855	0.147	0	0.056	0.655	3.2283	101.7713	-0.2758
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	9.471	0.059	0	0.032	0.464	3.4078	100.3418	-0.1954
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	9.733	0.034	0	0.027	0.614	3.2843	100.3073	-0.2585
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	9.861	0.128	0	0.054	0.282	3.3648	100.4138	-0.1187
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	9.783	0.098	0	0.041	0.542	3.3375	101.9015	-0.2282
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	9.823	0.102	0	0.056	0.517	3.2936	101.5106	-0.2177
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	9.939	0.094	0	0.052	0.527	3.2978	101.5538	-0.2219
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	9.829	0.116	0	0.034	0.505	3.2884	101.0664	-0.2126
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	9.84	0.117	0	0.046	0.593	3.2389	101.6369	-0.2497
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	9.768	0.119	0	0.039	0.584	3.2311	101.2441	-0.2459
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	9.786	0.123	0	0.032	0.473	3.2912	101.5432	-0.1992
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	9.908	0.109	0	0.05	0.471	3.2723	100.8853	-0.1983
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	7.882	0.066	0.5221	0.046	0.605	3.6978	100.4008	-0.2547
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	9.707	0.109	0	0.034	0.737	3.5415	99.8325	-0.3103
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	9.556	0.152	0	0.035	0.561	3.4586	100.2826	-0.2362
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	9.603	0.057	0	0.044	0.671	3.3722	100.3932	-0.2825
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	9.776	0.107	0	0.045	0.593	3.4624	100.4354	-0.2497
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	9.827	0.099	0	0.067	0.197	3.4246	100.6236	-0.083
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	9.821	0.108	0	0.061	0.243	3.4274	101.2884	-0.1023
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	9.667	0.15	0	0.037	0.705	3.2608	101.2298	-0.2969
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	8.703	0.107	0	0.037	0.534	3.2965	100.4735	-0.2249
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	9.775	0.144	0	0.035	0.748	3.183	100.983	-0.315
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	8.657	0.102	0	0.037	0.562	3.3878	101.5128	-0.2366
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	9.742	0.036	0	0.029	0.633	3.3382	101.2242	-0.2665
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	8.569	0.139	0	0.044	0.454	3.3662	99.9542	-0.1912
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	9.687	0.058	0	0.029	0.362	3.4773	101.3113	-0.1524
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	8.731	0.146	0.0693	0.056	0.497	3.3901	100.3765	-0.2093
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	9.709	0.035	0	0.017	0.991	3.1462	100.4182	-0.4173
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	9.712	0.05	0	0.028	0.989	3.1092	100.3862	-0.4164
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	9.672	0.042	0	0.012	1.143	3.0612	100.4912	-0.4813
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	9.585	0.047	0	0.018	0.947	3.1872	100.0502	-0.3988
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	9.715	0.041	0	0.004	0.386	3.3998	100.5188	-0.1625
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	9.682	0.057	0	0.029	0.427	3.3815	100.7695	-0.1798
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	9.579	0.05	0	0.025	0.441	3.4008	100.8548	-0.1857
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	9.363	0.085	0	0.013	0.915	3.1813	100.2573	-0.3853
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	9.606	0.077	0	0.032	1.062	3.1474	100.2614	-0.4472
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	9.571	0.075	0.1908	0.019	1.115	3.1529	100.5583	-0.4695
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	9.601	0.083	0	0.029	0.835	3.1966	100.0296	-0.3516
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	9.606	0.052	0	0.007	0.812	3.1995	99.9445	-0.3419
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	9.538	0.078	0	0.031	0.801	3.2126	100.9986	-0.3373

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	K2O	Na2O	Li2O	Cl	F	H2O	Total#	O=F
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	9.682	0.045	0	0.024	0.768	3.2378	101.1298	-0.3234
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	9.588	0.031	0	0.045	0.511	3.3477	100.6617	-0.2152
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	9.634	0.046	0	0.039	0.64	3.3038	101.1388	-0.2695
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	9.514	0.047	0	0.04	0.747	3.234	101.044	-0.3145
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	8.653	0.055	0.002	0.032	0.353	3.4833	100.4094	-0.1486
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	8.654	0.092	0	0.021	0.892	3.1381	100.5101	-0.3756
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	8.818	0.076	0	0.01	0.703	3.2436	100.7586	-0.296
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	8.829	0.104	0	0.021	0.824	3.2626	100.5851	-0.347
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	9.414	0.082	0	0.024	0.819	3.1806	100.0146	-0.3449
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	9.582	0.078	0	0.026	1.167	2.9646	100.3996	-0.4914
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	9.644	0.031	0	0.011	0.877	3.1395	100.1715	-0.3693
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	9.279	0.054	0	0.03	0.662	3.2601	100.9431	-0.2787
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	9.319	0.074	0	0.031	0.834	3.1743	100.9893	-0.3512
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	9.563	0.052	0	0.039	0.791	3.2128	101.2578	-0.3331
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	9.187	0.132	0.0308	0.056	1.482	2.9108	100.881	-0.624
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	9.649	0.121	0	0.063	1.641	2.7625	100.6935	-0.691
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	9.5	0.124	0	0.108	1.473	2.8874	100.9014	-0.6202
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	9.694	0.129	0	0.086	2.127	2.6613	100.8203	-0.8956
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	9.636	0.141	0	0.096	2.007	2.7317	101.0327	-0.8451
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	9.708	0.161	0	0.14	1.753	2.6406	100.6436	-0.7381
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	9.476	0.15	1.6197	0.089	1.462	2.8754	100.5298	-0.6156
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	9.792	0.059	0.0332	0.086	2.041	2.6209	101.1178	-0.8594
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	9.701	0.068	0	0.048	1.465	2.9144	100.8764	-0.6169
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	9.748	0.074	0	0.061	1.81	2.7016	100.3046	-0.7621
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	9.125	0.075	0	0.041	1.707	2.8103	100.8003	-0.7188
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	9.641	0.105	0	0.074	1.726	2.7615	101.0095	-0.7268
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	9.491	0.078	0.0452	0.063	1.484	2.9379	100.8559	-0.6249
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	9.71	0.098	0	0.075	1.518	2.7301	100.9711	-0.6392
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	9.706	0.111	0	0.084	1.473	2.7182	100.4582	-0.6202
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	9.49	0.112	0.0289	0.098	1.465	2.7759	100.8835	-0.6169
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	9.642	0.143	0	0.1	1.533	2.706	101.168	-0.6455
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	9.59	0.124	0	0.118	1.574	2.6905	101.4165	-0.6628
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	9.656	0.11	0	0.06	1.636	2.8439	100.7069	-0.6889
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	9.733	0.085	0	0.059	1.987	2.6876	100.7366	-0.8367
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	9.684	0.127	0	0.094	1.927	2.7256	101.3266	-0.8114

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	O=Cl	Total	Group	Si4+	Al3+	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	-0.0196	101.6187	T	2.7954	1.2046	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	-0.0088	100.6685		2.7739	1.2261	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	-0.0056	100.1438		2.8013	1.1987	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	-0.0158	100.3557		2.7495	1.2505	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	-0.009	100.6274		2.7624	1.2376	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	-0.0088	100.4531		2.7693	1.2307	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	-0.0108	100.506		2.6028	1.3972	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	-0.0149	100.9982		2.7696	1.2304	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	-0.0077	100.3587		2.7406	1.2594	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	-0.0088	101.0799		2.7551	1.2449	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	-0.0122	100.2464		2.7877	1.2123	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	-0.0124	100.1244		2.7586	1.2414	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	-0.012	100.387		2.7628	1.2372	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	-0.0129	100.5854		2.7991	1.2009	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	-0.0074	100.5238		2.793	1.207	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	-0.0061	100.4822		2.8003	1.1997	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	-0.0149	100.2516		2.763	1.237	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	-0.007	99.536		2.8024	1.1976	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	-0.0104	99.756		2.7678	1.2322	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	-0.0059	99.6932		2.7779	1.2221	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	-0.0142	100.2083		2.7413	1.2587	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	-0.0065	100.2392		2.7286	1.2714	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	-0.0068	99.7021		2.7854	1.2146	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	-0.0068	99.5484		2.7914	1.2086	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	-0.0124	100.0219		2.7909	1.2091	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	-0.0086	101.7985		2.8381	1.1619	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	-0.0095	100.7462		2.7935	1.2065	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	-0.0106	101.1629		2.9481	1.0519	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	-0.0063	100.3346		2.8211	1.1789	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	-0.0106	101.2367		2.7896	1.2104	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	-0.0081	100.0012		2.817	1.183	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	-0.0093	100.6713		2.7549	1.2451	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	-0.0041	99.6358		2.7777	1.2223	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	-0.0093	99.7076		2.8099	1.1901	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	-0.0129	99.9981		2.8039	1.1961	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	-0.0113	99.5124		2.749	1.251	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	-0.0113	99.8448		2.7712	1.2288	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	-0.016	99.9513		2.7945	1.2055	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	-0.0081	100.8247		2.7983	1.2017	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	-0.005	100.0581		2.79	1.21	4
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	-0.0111	100.3769		2.7716	1.2284	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	-0.0106	100.7782		2.8214	1.1786	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	-0.005	100.6767		2.7887	1.2113	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	-0.0072	100.5503		2.8045	1.1955	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	-0.0047	100.6503		2.8113	1.1887	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	-0.0074	101.8877		2.822	1.178	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	-0.0074	101.1238		2.8522	1.1478	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	-0.0088	101.073		2.8174	1.1826	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	-0.0083	100.3803		2.6707	1.3293	4



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	O=Cl	Total	Group	Si4+	Al3+	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	-0.0079	100.8656		2.8174	1.1826	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	-0.0065	101.0076		2.7639	1.2361	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	-0.0038	101.3932		2.7822	1.2178	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	-0.0102	100.8855		2.7929	1.2071	4
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	-0.0099	100.793		2.7983	1.2017	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	-0.0041	100.1826		2.7607	1.2393	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0	100.8358		2.794	1.206	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	-0.0005	100.4912		2.7927	1.2073	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	-0.0011	100.1354		2.7802	1.2198	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0	101.0392		2.825	1.175	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0	100.7744		2.815	1.185	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	-0.0032	99.861		2.8485	1.1515	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0	100.9708		2.8403	1.1597	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0	100.6608		2.7963	1.2037	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	100.7907		2.8568	1.1432	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	100.9296		2.7851	1.2149	4
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	-0.0014	101.3533		2.8333	1.1667	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	-0.0027	100.5035		2.7947	1.2053	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	-0.0059	100.0853		2.8087	1.1913	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0	101.0129		2.7984	1.2016	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	-0.0005	100.594		2.8488	1.1512	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	-0.0029	99.6708		2.8473	1.1527	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	-0.028	100.0151		2.8118	1.1882	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	-0.0016	100.6793		2.7744	1.2256	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	-0.0009	100.3315		2.7728	1.2272	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	-0.0023	100.1005		2.8306	1.1694	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	-0.0032	100.2293		2.8404	1.1596	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	-0.0217	99.5989		2.7939	1.2061	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	-0.0284	100.2151		2.7449	1.2551	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0	100.7881		2.8084	1.1916	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	-0.0278	99.8131		2.7215	1.2785	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0	99.7041		2.8156	1.1844	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	-0.0079	100.1085		2.8457	1.1543	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	-0.0014	100.5456		2.8569	1.1431	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	-0.0016	100.6429		2.8884	1.1116	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	-0.0395	100.657		2.7909	1.2091	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	-0.0223	100.1387		2.6633	1.3367	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	-0.0381	100.5163		2.7829	1.2171	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	-0.0029	100.1764		2.7497	1.2503	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0	98.1105		2.8073	1.1927	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	-0.0309	100.1558		2.6636	1.3364	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	-0.0323	100.1761		2.7025	1.2975	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	-0.0208	100.2627		2.6287	1.3713	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	-0.0009	100.178		2.8411	1.1589	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	-0.0023	100.4557		2.8674	1.1326	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	-0.0043	100.0888		2.7999	1.2001	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	-0.0009	100.031		2.8423	1.1577	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0	99.9471		2.8499	1.1501	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	-0.0041	100.1204		2.7772	1.2228	4

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	O=Cl	Total	Group	Si4+	Al3+	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_7_bt	3	-0.0036	100.1433		2.7301	1.2699	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	1	-0.0269	100.2708		2.7405	1.2595	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	2	-0.0246	100.4951		2.7813	1.2187	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	3	-0.0278	100.1543		2.7542	1.2458	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	4	-0.0257	100.3537		2.8064	1.1936	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	5	-0.0316	100.1659		2.7263	1.2737	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	1	-0.0257	100.1595		2.7259	1.2741	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	2	-0.0244	99.7614		2.7887	1.2113	4
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	3	-0.0284	99.9711		2.7652	1.2348	4
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	2	-0.0009	100.5247		2.8027	1.1973	4
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	3	-0.0038	100.4427		2.7678	1.2322	4
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	4	-0.0029	100.5491		2.8086	1.1914	4
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	1	-0.0059	99.9896		3.0178	0.9822	4
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	2	-0.0043	100.0399		2.9969	1.0031	4
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	3	-0.0052	99.99		2.9636	1.0364	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	1	-0.0029	100.6454		2.8206	1.1794	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	2	-0.0038	99.5861		2.8733	1.1267	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	3	-0.0016	100.0379		2.8392	1.1608	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	4	-0.0011	100.0479		2.793	1.207	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	5	-0.0029	100.1266		2.8235	1.1765	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	1	-0.0135	100.0269		2.7316	1.2684	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	2	-0.0099	100.5301		2.7609	1.2391	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	3	-0.0142	100.1522		2.7248	1.2752	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	1	-0.0047	99.9085		2.7679	1.2321	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	2	-0.0065	99.9741		2.7918	1.2082	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	3	-0.0032	99.792		2.8588	1.1412	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	4	-0.0056	99.6018		2.882	1.118	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	5	-0.0011	99.551		2.8282	1.1718	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	1	-0.0072	100.5355		2.7259	1.2741	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	2	-0.0104	100.9662		2.7528	1.2472	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	3	-0.0097	100.4855		2.7584	1.2416	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	1	-0.0131	100.367		2.7321	1.2679	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	2	-0.0081	100.5487		2.7118	1.2882	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	1	-0.0047	100.4719		2.8268	1.1732	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	2	-0.0079	101.4951		2.7486	1.2514	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	3	-0.0106	101.4211		2.8266	1.1734	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	4	-0.0034	100.2019		2.8647	1.1353	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	5	-0.007	100.531		2.8424	1.1576	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	1	-0.0081	100.0451		2.8261	1.1739	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	2	-0.0088	100.2661		2.7837	1.2163	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	3	-0.0016	100.1483		2.8182	1.1818	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	1	-0.0032	100.0105		2.9456	1.0544	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	2	-0.0102	100.0228		2.8649	1.1351	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	1	-0.0016	99.6074		2.8695	1.1305	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	2	-0.0052	100.1095		2.7496	1.2504	4
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	3	0	99.9383		2.8659	1.1341	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	1	-0.0122	100.2304		2.6784	1.3216	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	2	-0.0104	99.9781		2.7459	1.2541	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	3	-0.0083	100.2516		2.7899	1.2101	4

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	O=Cl	Total	Group	Si4+	Al3+	Total
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	-0.0077	101.0721		2.7496	1.2504	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	-0.0065	100.6312		2.7673	1.2327	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	-0.0124	100.8226		2.7782	1.2218	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	-0.0093	100.5498		2.772	1.228	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	-0.0088	99.65		2.785	1.215	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	-0.0088	100.4782		2.7166	1.2834	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	-0.0111	100.9512		2.7907	1.2093	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	-0.0122	101.2412		2.7789	1.2211	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	-0.0178	101.8513		2.7873	1.2127	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	-0.0126	101.4829		2.77	1.23	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	-0.0072	100.1392		2.7315	1.2685	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	-0.0061	100.0427		2.7366	1.2634	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	-0.0122	100.2828		2.763	1.237	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	-0.0093	101.664		2.7846	1.2154	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	-0.0126	101.2803		2.7467	1.2533	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	-0.0117	101.3202		2.7506	1.2494	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	-0.0077	100.8461		2.753	1.247	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	-0.0104	101.3768		2.788	1.212	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	-0.0088	100.9894		2.719	1.281	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	-0.0072	101.3368		2.7644	1.2356	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	-0.0113	100.6757		2.7567	1.2433	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	-0.0104	100.1357		2.5774	1.4226	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	-0.0077	99.5145		2.7134	1.2866	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	-0.0079	100.0385		2.7315	1.2685	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	-0.0099	100.1007		2.7202	1.2798	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	-0.0102	100.1755		2.7527	1.2473	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	-0.0151	100.5256		2.7115	1.2885	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	-0.0138	101.1723		2.7265	1.2735	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	-0.0083	100.9246		2.7422	1.2578	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	-0.0083	100.2403		2.7051	1.2949	4
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	-0.0079	100.6601		2.7556	1.2444	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	-0.0083	101.2678		2.8318	1.1682	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	-0.0065	100.9511		2.8277	1.1723	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	-0.0099	99.7531		2.7792	1.2208	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	-0.0065	101.1523		2.8136	1.1864	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	-0.0126	100.1546		2.6727	1.3273	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	-0.0038	99.997		2.8104	1.1896	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	-0.0063	99.9634		2.7877	1.2123	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	-0.0027	100.0072		2.8054	1.1946	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	-0.0041	99.6473		2.8374	1.1626	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	-0.0009	100.3554		2.7751	1.2249	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	-0.0065	100.5831		2.775	1.225	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	-0.0056	100.6635		2.7842	1.2158	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	-0.0029	99.8691		2.8049	1.1951	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	-0.0072	99.807		2.7979	1.2021	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	-0.0043	100.0845		2.7065	1.2935	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	-0.0065	99.6715		2.7883	1.2117	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	-0.0016	99.601		2.7803	1.2197	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	-0.007	100.6543		2.7518	1.2482	4

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	O=Cl	Total	Group	Si4+	Al3+	Total
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	-0.0054	100.801		2.7445	1.2555	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	-0.0102	100.4364		2.7552	1.2448	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	-0.0088	100.8605		2.773	1.227	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	-0.009	100.7205		2.7538	1.2462	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	-0.0072	100.2535		2.7817	1.2183	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	-0.0047	100.1298		2.768	1.232	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	-0.0023	100.4603		2.7875	1.2125	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	-0.0047	100.2334		2.7191	1.2809	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	-0.0054	99.6643		2.7839	1.2161	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	-0.0059	99.9024		2.7916	1.2084	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	-0.0025	99.7998		2.7946	1.2054	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	-0.0068	100.6576		2.7551	1.2449	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	-0.007	100.6312		2.7771	1.2229	4
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	-0.0088	100.9159		2.7625	1.2375	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	-0.0126	100.2443		2.718	1.282	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	-0.0142	99.9883		2.773	1.227	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	-0.0244	100.2568		2.8036	1.1964	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	-0.0194	99.9053		2.7754	1.2246	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	-0.0217	100.1659		2.7872	1.2128	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	-0.0316	99.8739		2.7911	1.2089	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	-0.0201	99.8942		2.6306	1.3694	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	-0.0194	100.239		2.747	1.253	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	-0.0108	100.2487		2.854	1.146	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	-0.0138	99.5287		2.8368	1.1632	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	-0.0093	100.0723		2.8106	1.1894	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	-0.0167	100.266		2.8428	1.1572	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	-0.0142	100.2168		2.7864	1.2136	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	-0.0169	100.315		2.7883	1.2117	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	-0.019	99.819		2.7689	1.2311	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	-0.0221	100.2446		2.7516	1.2484	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	-0.0226	100.4999		2.8083	1.1917	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	-0.0266	100.7271		2.7993	1.2007	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	-0.0135	100.0045		2.8111	1.1889	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	-0.0133	99.8866		2.8281	1.1719	4
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	-0.0212	100.494		2.8441	1.1559	4

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Sn4+	Ti4+	Fe3+	Mn3+	Cr3+	Al3+	Zn2+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	M	0	0.1887	0	0	0.0081	0.375	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4		0	0.1633	0	0	0.004	0.3918	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5		0	0.1566	0	0	0.002	0.3522	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1		0	0.1763	0	0	0.0054	0.3355	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2		0	0.1864	0	0	0.0069	0.3412	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3		0	0.1444	0	0	0.0086	0.3621	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4		0	0.1538	0.3296	0	0.0045	0.2315	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5		0	0.1646	0	0	0.0045	0.3736	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6		0	0.157	0	0	0.0072	0.3801	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7		0	0.1623	0	0	0.0081	0.3393	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1		0	0.1812	0	0	0.0068	0.3602	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2		0	0.1583	0	0	0.0056	0.3367	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3		0	0.1723	0.0974	0	0.0063	0.3597	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4		0	0.1609	0	0	0.0063	0.3866	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5		0	0.1621	0	0	0.0053	0.3959	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1		0	0.1827	0	0	0.0176	0.3639	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2		0	0.2	0	0	0.0099	0.3504	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3		0	0.1422	0	0	0.0217	0.3373	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4		0	0.1394	0	0	0.0147	0.3643	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5		0	0.1402	0	0	0.0194	0.3787	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6		0	0.1418	0.392	0	0.0108	0.3263	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7		0	0.1545	0.3766	0	0.0131	0.337	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8		0	0.142	0	0	0.0176	0.3448	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9		0	0.1114	0	0	0.0259	0.3677	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10		0	0.1408	0	0	0.018	0.3335	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1		0	0.1731	0	0	0.0071	0.4225	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2		0	0.1825	0	0	0.0054	0.3557	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3		0	0.1923	0	0	0.0078	0.3823	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4		0	0.1681	0	0	0.0099	0.3459	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5		0	0.1882	0	0	0.009	0.3706	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1		0	0.1603	0	0	0.0062	0.3866	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2		0	0.2599	0	0	0.0061	0.3165	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3		0	0.1814	0	0	0.0055	0.351	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4		0	0.1695	0	0	0.0042	0.3747	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5		0	0.1724	0	0	0.0083	0.3445	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1		0	0.1696	0	0	0.0066	0.357	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2		0	0.1706	0.0358	0	0.0061	0.3326	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3		0	0.1736	0	0	0.0053	0.3356	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1		0	0.1643	0	0	0.0063	0.3828	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2		0	0.1356	0	0	0.0063	0.4471	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3		0	0.1771	0	0	0.0065	0.36	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1		0	0.2019	0	0	0.0068	0.3997	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2		0	0.2014	0	0	0.0045	0.3992	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3		0	0.1909	0	0	0.0038	0.3842	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4		0	0.2	0	0	0.0046	0.4037	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1		0	0.1503	0	0	0.0034	0.3944	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1		0	0.174	0	0	0.0068	0.5771	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2		0	0.2134	0	0	0.0032	0.4547	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3		0	0.2581	0.5271	0	0.0067	0.2651	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Sn4+	Ti4+	Fe3+	Mn3+	Cr3+	Al3+	Zn2+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4		0	0.1805	0	0	0.0067	0.4388	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1		0	0.1525	0	0	0.004	0.4449	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2		0	0.1453	0	0	0.005	0.4524	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1		0	0.1609	0	0	0.0052	0.4594	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2		0	0.2062	0	0	0.0049	0.4422	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2		0	0.094	0.3744	0	0.026	0.2442	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3		0	0.0926	0.2876	0	0.0276	0.3069	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4		0	0.0878	0.2791	0	0.0173	0.3041	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5		0	0.1011	0.3906	0	0.0284	0.2786	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6		0	0.1012	0.2808	0	0.0324	0.3002	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7		0	0.083	0.2807	0	0.0259	0.2974	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8		0	0.0827	0	0	0.025	0.391	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9		0	0.0716	0.2726	0	0.0258	0.3292	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10		0	0.0948	0.29	0	0.0295	0.3125	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1		0	0.0887	0.2738	0	0.0031	0.3353	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4		0	0.103	0.2908	0	0.0068	0.3114	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5		0	0.0899	0.2685	0	0.0053	0.3188	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1		0	0.0926	0.3169	0	0.0036	0.3902	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2		0	0.0959	0.4799	0	0.007	0.4275	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3		0	0.104	0.3049	0	0.0073	0.3878	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4		0	0.1175	0	0	0.0065	0.4232	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5		0	0.1058	0	0	0.0062	0.4418	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1		0	0.1442	0	0	0.0044	0.4286	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2		0	0.0906	0.3045	0	0.0045	0.3825	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3		0	0.0941	0.3495	0	0.0048	0.3541	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4		0	0.0939	0.435	0	0.0045	0.365	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6		0	0.1011	0	0	0.0032	0.414	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1		0	0.1495	0	0	0.0052	0.3788	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2		0	0.1502	0.3543	0	0.0051	0.3039	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3		0	0.0945	0.3034	0	0.0074	0.3867	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4		0	0.1525	0	0	0.0027	0.3755	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5		0	0.0999	0	0	0.0054	0.4323	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1		0	0.0817	0.4514	0	0.0047	0.431	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2		0	0.1018	0	0	0.0046	0.4346	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3		0	0.0965	0.2934	0	0.0073	0.3813	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4		0	0.1626	0	0	0.0051	0.3973	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5		0	0.3587	0	0	0.004	0.2692	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6		0	0.1823	0	0	0.0045	0.3876	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1		0	0.0934	0.4119	0	0.0057	0.3051	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2		0	0.0943	0.3977	0	0.0048	0.377	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4		0	0.1658	0.426	0	0.0059	0.3022	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5		0	0.1709	0.4143	0	0.0035	0.2945	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6		0	0.2427	0.3764	0	0.0072	0.2019	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1		0	0.104	0.386	0	0.0036	0.39	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2		0	0.0948	0.3136	0	0.0082	0.4084	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3		0	0.0777	0.4603	0	0.0064	0.396	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4		0	0.0925	0	0	0.0053	0.4429	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5		0	0.105	0	0	0.0054	0.4194	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1		0	0.1075	0.4315	0	0.0052	0.3451	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Sn4+	Ti4+	Fe3+	Mn3+	Cr3+	Al3+	Zn2+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3		0	0.0742	0.4434	0	0.0073	0.351	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1		0	0.1805	0	0	0.0049	0.4261	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2		0	0.159	0.3108	0	0.0055	0.3775	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3		0	0.1807	0	0	0.0067	0.4438	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4		0	0.1809	0	0	0.0069	0.4577	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5		0	0.1673	0.424	0	0.0009	0.3181	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1		0	0.1432	0.4295	0	0.0057	0.3271	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2		0	0.1475	0	0	0.0068	0.4442	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3		0	0.1868	0	0	0.0021	0.4187	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2		0	0.0764	0.2667	0	0.0055	0.1881	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3		0	0.0834	0.2767	0	0.0035	0.1747	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4		0	0.0788	0.2639	0	0.005	0.177	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1		0	0.0481	0.5458	0	0.0018	0.8372	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2		0	0.05	0.6367	0	0.0043	0.8408	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3		0	0.0477	0.5003	0	0.0041	0.8301	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1		0	0.1292	0	0	0.0034	0.7865	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2		0.001	0.1135	0	0	0.005	0.8434	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3		0	0.093	0.6176	0	0.0031	0.7408	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4		0	0.1031	0.5917	0	0.0021	0.7087	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5		0	0.1075	0.5353	0	0.0047	0.7163	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1		0	0.1547	0	0	0.0043	0.7358	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2		0	0.1547	0	0	0.0043	0.7538	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3		0	0.129	0	0	0.0038	0.7698	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1		0	0.1187	0	0	0.0027	0.792	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2		0	0.1273	0	0	0.0065	0.7782	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3		0	0.1243	0	0	0.0044	0.8068	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4		0	0.1129	0	0	0.0054	0.8724	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5		0	0.1074	0	0	0.0046	0.82	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1		0	0.1665	0	0	0.0063	0.7038	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2		0	0.1467	0	0	0.0026	0.6908	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3		0	0.1362	0	0	0.0022	0.7441	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1		0	0.1127	0	0	0.0029	0.7459	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2		0	0.113	0	0	0.0059	0.7266	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1		0.0003	0.1114	0	0	0.0047	0.8219	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2		0	0.1512	0.118	0	0.0025	0.6938	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3		0	0.158	0	0	0.0045	0.7304	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4		0	0.1301	0	0	0.0053	0.7794	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5		0	0.1259	0	0	0.0025	0.8013	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1		0	0.1478	0	0	0.0015	0.7718	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2		0	0.1241	0.5112	0	0.0031	0.7124	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3		0	0.0997	0.5678	0	0.0044	0.7545	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1		0	0.0904	0	0	0.0053	0.8729	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2		0	0.1023	0	0	0.0024	0.8243	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1		0	0.1165	0	0	0.0039	0.845	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2		0	0.1247	0	0	0.0065	0.7755	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3		0	0.1062	0	0	0.0047	0.8893	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1		0	0.1466	0.4346	0	0.0015	0.4279	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2		0	0.1717	0	0	0.0056	0.5242	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3		0	0.1663	0	0	0.0052	0.5813	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Sn4+	Ti4+	Fe3+	Mn3+	Cr3+	Al3+	Zn2+
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1		0	0.2004	0	0	0.0067	0.4997	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2		0	0.199	0	0	0.0045	0.4961	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1		0	0.1864	0	0	0.0074	0.5404	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2		0	0.1755	0	0	0.0042	0.5501	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3		0	0.1847	0	0	0.0044	0.5375	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4		0	0.2184	0	0	0.0041	0.4805	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5		0	0.1917	0	0	0.0046	0.5154	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1		0	0.1697	0	0	0.0039	0.502	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2		0	0.2028	0	0	0.0042	0.487	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3		0	0.1888	0	0	0.0031	0.4714	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1		0	0.1303	0	0	0.0051	0.5355	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2		0	0.1548	0	0	0.0027	0.5548	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3		0	0.2011	0	0	0.0046	0.5431	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1		0	0.1748	0	0	0.0061	0.5104	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2		0	0.1852	0	0	0.005	0.49	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3		0	0.182	0	0	0.0061	0.4893	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1		0	0.1886	0	0	0.0056	0.5029	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2		0	0.2036	0	0	0.0043	0.4833	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3		0	0.1994	0	0	0.0064	0.5033	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4		0	0.2063	0	0	0.0067	0.4971	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5		0	0.1929	0	0	0.0061	0.4637	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1		0	0.0006	0.5267	0	0.0056	0.4412	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2		0	0.0008	0	0	0.0041	0.611	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3		0	0.0841	0	0	0.0073	0.5195	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4		0	0.0952	0	0	0.004	0.4888	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5		0	0.0779	0	0	0.0038	0.5318	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1		0	0.1793	0	0	0.0046	0.5244	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2		0	0.1811	0	0	0.0047	0.5208	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2		0	0.1639	0	0	0.003	0.5545	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3		0	0.1691	0	0	0.0043	0.4917	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4		0	0.1801	0	0	0.0026	0.4926	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1		0	0.1341	0	0	0.006	0.5567	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2		0	0.132	0	0	0.0049	0.5447	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3		0	0.1352	0	0	0.0046	0.532	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4		0	0.1289	0	0	0.0067	0.5531	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5		0	0.135	0.4639	0	0.0032	0.4392	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1		0	0.1212	0	0	0.0024	0.5203	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2		0	0.1336	0	0	0.0046	0.5075	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3		0	0.1271	0	0	0.0046	0.5052	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4		0	0.1133	0	0	0.0043	0.5263	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1		0	0.14	0	0	0.0043	0.5008	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2		0	0.1403	0	0	0.0026	0.5083	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3		0	0.1313	0	0	0.0029	0.504	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1		0	0.1293	0	0	0.0063	0.5438	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2		0	0.1132	0	0	0.0044	0.596	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3		0.0006	0.128	0.5132	0	0.0028	0.4529	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4		0	0.1339	0	0	0.0071	0.5613	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5		0	0.141	0	0	0.0042	0.5571	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1		0	0.1424	0	0	0.0046	0.5057	0



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	Sn4+	Ti4+	Fe3+	Mn3+	Cr3+	Al3+	Zn2+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2		0	0.1403	0	0	0.0065	0.5112	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3		0	0.1426	0	0	0.0056	0.5327	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4		0	0.1413	0	0	0.0018	0.5254	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5		0	0.1462	0	0	0.0056	0.524	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1		0	0.1478	0.4007	0	0.006	0.47	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2		0	0.151	0	0	0.0057	0.4942	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3		0	0.1513	0	0	0.0059	0.4884	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4		0	0.1342	0.4407	0	0.0014	0.446	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1		0	0.1438	0	0	0.0023	0.528	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2		0	0.1669	0	0	0.0039	0.5047	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3		0	0.1503	0	0	0.0058	0.5253	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1		0	0.1516	0	0	0.0059	0.508	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2		0	0.1567	0	0	0.0042	0.5185	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3		0	0.1485	0	0	0.0052	0.5106	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1		0	0.1435	0.4232	0	0.0061	0.5025	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2		0	0.1541	0	0	0.0058	0.5993	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3		0	0.1322	0	0	0.0075	0.6167	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1		0	0.0952	0	0	0.002	0.6561	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2		0	0.0949	0	0	0.004	0.6568	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3		0	0.1787	0	0	0.0044	0.5596	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4		0	0.1578	0.3712	0	0.0042	0.351	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5		0	0.1575	0.4113	0	0.0065	0.4872	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1		0	0.1381	0	0	0.0065	0.6313	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2		0	0.1432	0	0	0.0042	0.6207	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3		0	0.1238	0	0	0.0027	0.6281	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4		0	0.1458	0	0	0.0043	0.6186	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5		0	0.1327	0.4155	0	0.0056	0.5057	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1		0	0.1962	0	0	0.0027	0.5514	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2		0	0.1983	0	0	0.0043	0.5395	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3		0	0.2009	0.3945	0	0.0042	0.4558	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4		0.0007	0.2073	0	0	0.0038	0.555	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5		0	0.2057	0	0	0.0059	0.5577	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1		0	0.128	0	0	0.0046	0.6277	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2		0	0.1194	0	0	0.0056	0.6266	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3		0	0.1267	0	0	0.0061	0.6419	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fe2+	Mn2+	Mg2+	Li+	Total	Group	Ba2+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	1.1202	0.01	1.1176	0	2.8196	I	0.0205
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	1.1186	0.012	1.1472	0	2.837		0.0135
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	1.1276	0.0133	1.1979	0	2.8495		0.0064
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	1.1581	0.0147	1.1925	0	2.8825		0.0122
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	1.1266	0.0119	1.1751	0	2.8481		0.0144
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	1.131	0.0125	1.2088	0	2.8675		0.0126
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0.909	0.0156	1.2765	0	2.9206		0.0078
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	1.1258	0.0129	1.1661	0	2.8475		0.0119
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	1.1382	0.0123	1.1658	0	2.8606		0.0109
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	1.1771	0.0131	1.2002	0	2.9001		0.0058
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	1.1199	0.0131	1.1479	0	2.829		0.01
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	1.1487	0.0107	1.2087	0	2.8687		0.011
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.9952	0.0104	1.1553	0	2.7965		0.0078
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	1.0872	0.0113	1.1712	0	2.8235		0.0089
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	1.0923	0.0124	1.1563	0	2.8244		0.0051
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	1.1197	0.0127	1.1386	0	2.8352		0.0076
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	1.1201	0.0146	1.1409	0	2.8358		0.011
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	1.1141	0.0101	1.2383	0	2.8637		0.0078
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	1.0922	0.0086	1.2378	0	2.8569		0.0062
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	1.0897	0.0112	1.2104	0	2.8495		0.0061
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0.6768	0.0114	1.1428	0.0052	2.7071		0.0055
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0.6788	0.008	1.1327	0.0055	2.7062		0.0057
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	1.0847	0.0129	1.2557	0	2.8578		0.0068
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	1.0229	0.0087	1.3179	0	2.8546		0.0045
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	1.0861	0.0113	1.2707	0	2.8604		0.0082
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	1.0762	0.0134	1.0922	0	2.7844		0.0098
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	1.1216	0.0122	1.161	0	2.8384		0.011
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	1.0952	0.0183	1.066	0	2.7619		0.0124
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	1.1367	0.0122	1.1681	0	2.8409		0.0096
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	1.134	0.0122	1.1079	0	2.8221		0.0114
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	1.0892	0.0134	1.1643	0	2.82		0.0145
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	1.0919	0.0138	1.1484	0	2.8365		0.0161
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	1.1193	0.0139	1.1609	0	2.832		0.0162
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	1.1226	0.0134	1.13	0	2.8145		0.0159
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	1.1197	0.0115	1.1741	0	2.8305		0.0161
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	1.1084	0.0127	1.2	0	2.8543		0.0121
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	1.0791	0.0117	1.1999	0	2.8357		0.0115
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	1.1155	0.0103	1.2017	0	2.842		0.0064
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	1.102	0.011	1.1542	0	2.8207		0.007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	1.0649	0.011	1.1613	0	2.8261		0.0073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	1.1435	0.0138	1.1351	0	2.8359		0.0129
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	1.3017	0.0152	0.8802	0	2.8055		0.0078
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	1.3284	0.016	0.8759	0	2.8253		0.0063
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	1.3178	0.0186	0.9118	0	2.8271		0.0055
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	1.2534	0.0198	0.9189	0	2.8005		0.0067
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	1.3271	0.0185	0.9461	0	2.8397		0.0024
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	1.1473	0.0203	0.8075	0	2.733		0.0054
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	1.2427	0.0198	0.8394	0	2.7732		0.0068
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0.5454	0.02	0.9066	0	2.529		0.0048

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fe2+	Mn2+	Mg2+	Li+	Total	Group	Ba2+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	1.2296	0.0197	0.9113	0	2.7866		0.0061
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	1.2898	0.0184	0.935	0	2.8446		0.0001
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	1.2712	0.0185	0.9394	0	2.8318		0.0013
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	1.2327	0.0191	0.9306	0	2.8079		0.0067
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	1.2359	0.0218	0.8809	0	2.7919		0.0075
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	1.0526	0.0071	1.0025	0.1765	2.9774		0.002
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	1.1117	0.0085	0.9867	0	2.8215		0.0009
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	1.1265	0.0075	1.0092	0.0106	2.8422		0.0018
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	1.0278	0.0066	0.974	0.0064	2.8135		0.0017
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	1.1331	0.0064	0.944	0	2.7981		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	1.1003	0.0074	1.0249	0	2.8197		0.0004
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	1.4078	0.0096	0.9643	0	2.8804		0.0013
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	1.1092	0.003	0.9929	0.0147	2.8191		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	1.1276	0.0097	0.9586	0	2.8227		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	1.0902	0.0112	0.9821	0.0137	2.7982		0.0001
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	1.1451	0.0098	0.9608	0	2.8276		0.0013
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	1.1271	0.0109	0.9836	0.0156	2.8196		0.0017
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	1.1773	0.0178	0.7708	0.0008	2.77		0.0008
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0.8786	0.0114	0.7037	0.1071	2.7112		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	1.1771	0.0197	0.7604	0.0117	2.7729		0.0022
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	1.5146	0.0162	0.7736	0	2.8516		0.0011
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	1.5161	0.017	0.7655	0	2.8524		0.0017
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	1.5823	0.0173	0.6816	0	2.8584		0.0015
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	1.2004	0.0167	0.7835	0.0129	2.7956		0.0019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	1.1455	0.0195	0.8131	0.0004	2.7808		0.0012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	1.0016	0.0172	0.7849	0.0568	2.7589		0.0018
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	1.5403	0.0183	0.7992	0	2.8761		0.0001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	1.5736	0.0201	0.7292	0	2.8564		0.0102
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	1.2064	0.0175	0.7078	0.0149	2.7601		0.0051
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	1.1457	0.0178	0.8018	0.0114	2.7687		0.0001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	1.6267	0.0181	0.7438	0	2.9192		0.0036
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	1.5233	0.0174	0.7997	0	2.878		0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.9908	0.014	0.7415	0.0158	2.731		0.0013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	1.507	0.0187	0.7888	0	2.8556		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	1.1193	0.0159	0.8225	0.009	2.7452		0.0013
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	1.4376	0.0208	0.8128	0	2.8362		0.0059
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	1.4329	0.0166	0.8021	0	2.8836		0.0057
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	1.448	0.0223	0.787	0	2.8317		0.0101
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	1.0308	0.0178	0.788	0.2583	2.9111		0.0012
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	1.0191	0.0138	0.8396	0	2.7463		0.0014
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.9961	0.0197	0.7915	0.0612	2.7684		0.0025
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0.9631	0.0187	0.7919	0.1905	2.8474		0.0131
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0.9482	0.0173	0.8117	0.4316	3.0372		0.0088
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	1.0176	0.0174	0.7807	0.0147	2.714		0.001
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	1.1014	0.0162	0.7849	0.0009	2.7285		0.0031
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0.9823	0.0165	0.767	0.035	2.7411		0.0014
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	1.506	0.0213	0.7891	0	2.8573		0.0005
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	1.5161	0.0172	0.7893	0	2.8524		0.0018
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0.9963	0.0181	0.7961	0.065	2.7647		0.0022

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fe2+	Mn2+	Mg2+	Li+	Total	Group	Ba2+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	1.0249	0.0176	0.7819	0.1542	2.8543		0.0002
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	1.4521	0.0095	0.79	0	2.8631		0.0015
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	1.0779	0.013	0.8163	0.0055	2.7655		0.0011
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	1.4387	0.0139	0.7315	0	2.8152		0.0016
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	1.4113	0.0138	0.7266	0	2.7971		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	0.9631	0.0162	0.8144	0.1951	2.8992		0.0017
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	1.0847	0.0196	0.6986	0.1873	2.8956		0.0019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	1.5542	0.0219	0.6847	0	2.8594		0.0036
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	1.562	0.0198	0.6595	0	2.8489		0.0089
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0.7714	0.0097	1.6218	0.0106	2.9502		0.0019
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0.7918	0.0077	1.6298	0.0031	2.9706		0.0003
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0.7891	0.0079	1.6254	0.0085	2.9556		0.0002
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0.6112	0.0104	0.1276	0.2146	2.3968		0.0012
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0.5797	0.0131	0.1246	0	2.2492		0.0006
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0.8014	0.0114	0.1265	0.0292	2.3508		0.0007
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	1.5667	0.0111	0.1518	0	2.6487		0.0002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	1.472	0.0109	0.1482	0	2.594		0.001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0.7877	0.008	0.1415	0.0188	2.4105		0.0017
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0.8676	0.01	0.1401	0.0312	2.4547		0.0004
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0.91	0.0107	0.1443	0.0246	2.4533		0.0005
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	1.5965	0.0193	0.1924	0	2.703		0.0003
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	1.542	0.0187	0.1984	0	2.6719		0.0026
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	1.5728	0.0175	0.1962	0	2.6892		0.0013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	1.5799	0.0103	0.1663	0	2.6699		0.0011
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	1.5681	0.0126	0.169	0	2.6617		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	1.4942	0.0073	0.1833	0	2.6203		0.0001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	1.4046	0.0101	0.1696	0	2.5749		0.001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	1.5147	0.0147	0.1628	0	2.6242		0.0014
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	1.5921	0.0146	0.2288	0	2.712		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	1.6092	0.0167	0.2421	0	2.7081		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	1.5618	0.0144	0.2275	0	2.6862		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	1.6212	0.0121	0.208	0	2.7029		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	1.6428	0.0165	0.2153	0	2.7201		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	1.4744	0.0152	0.1946	0	2.6224		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	1.4844	0.0124	0.1807	0	2.643		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	1.543	0.0145	0.1887	0	2.6389		0.0043
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	1.4934	0.0097	0.1962	0	2.6141		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	1.4904	0.0131	0.1902	0	2.6233		0.0013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	1.493	0.017	0.2067	0	2.6378		0.0005
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0.8682	0.0137	0.2049	0.0275	2.4651		0.0027
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0.7543	0.0143	0.1984	0.0055	2.3989		0.0013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	1.3835	0.0157	0.1835	0	2.5513		0.0015
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	1.5111	0.0149	0.1566	0	2.6115		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	1.4367	0.013	0.1694	0	2.5845		0.0005
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	1.5942	0.0138	0.1608	0	2.6755		0.0021
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	1.4079	0.012	0.1605	0	2.5806		0.0022
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	1.1026	0.0107	0.5695	0.002	2.6952		0.0017
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	1.5033	0.0088	0.5744	0	2.788		0.0002
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	1.4085	0.0065	0.5679	0	2.7357		0.0007

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fe2+	Mn2+	Mg2+	Li+	Total	Group	Ba2+
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	1.5208	0.0131	0.5406	0	2.7812		0.0033
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	1.5051	0.011	0.5534	0	2.7691		0.0052
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	1.4524	0.0115	0.5576	0	2.7558		0.0026
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	1.474	0.005	0.5481	0	2.7569		0.0016
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	1.465	0.0056	0.5577	0	2.755		0.0038
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	1.5538	0.0073	0.5318	0	2.7959		0.0018
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	1.4791	0.0062	0.5647	0	2.7618		0.0024
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	1.5131	0.0111	0.591	0	2.7907		0.0045
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	1.5218	0.009	0.5511	0	2.7758		0.0023
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	1.5222	0.0105	0.5893	0	2.7853		0.0057
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	1.5306	0.0136	0.6128	0	2.8278		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	1.5135	0.0125	0.553	0	2.7913		0.0014
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	1.4487	0.0099	0.5394	0	2.7468		0.0014
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	1.5078	0.0046	0.5745	0	2.7782		0.0011
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	1.5503	0.0053	0.563	0	2.7987		0.0005
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	1.5318	0.0055	0.5752	0	2.7899		0.0031
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	1.5229	0.0104	0.5529	0	2.7833		0.0012
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	1.4969	0.0084	0.5724	0	2.7689		0.0032
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	1.5203	0.0131	0.5547	0	2.7971		0.0007
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	1.5141	0.0094	0.5437	0	2.7773		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	1.5525	0.012	0.5647	0	2.7918		0.0021
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0.9348	0.0186	0.833	0.1575	2.9179		0.0007
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	1.4172	0.0232	0.7938	0	2.8502		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	1.4744	0.0194	0.7423	0	2.8469		0.0008
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	1.5002	0.0238	0.7554	0	2.8675		0.0011
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	1.4584	0.0192	0.7365	0	2.8276		0.0002
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	1.5481	0.0128	0.5278	0	2.797		0.0016
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	1.5457	0.0136	0.528	0	2.794		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	1.4921	0.0071	0.5634	0	2.784		0.0007
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	1.5626	0.0124	0.6312	0	2.8713		0.004
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	1.5288	0.0075	0.5797	0	2.7914		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	1.6275	0.0276	0.4202	0	2.7722		0.0023
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	1.5979	0.0228	0.4602	0	2.7626		0.0012
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	1.649	0.0273	0.4482	0	2.7963		0.0022
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	1.5919	0.0276	0.4529	0	2.7611		0.0063
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	1.1754	0.0269	0.4194	0.0214	2.6844		0.0009
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	1.6217	0.023	0.4972	0	2.7858		0.0023
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	1.6452	0.0262	0.4785	0	2.7955		0.0006
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	1.6273	0.0255	0.5039	0	2.7935		0.0011
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	1.5838	0.02	0.5307	0	2.7784		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	1.6594	0.0279	0.4694	0	2.8019		0.001
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	1.6635	0.0312	0.4546	0	2.8005		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	1.6573	0.029	0.4836	0	2.808		0.0015
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	1.5644	0.0251	0.511	0	2.7799		0.0053
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	1.5279	0.0208	0.4975	0	2.7597		0.003
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0.9802	0.0255	0.4926	0.0584	2.6543		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	1.5419	0.0247	0.494	0	2.763		0.0078
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	1.5538	0.0219	0.4963	0	2.7743		0.0018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	1.6187	0.0257	0.5195	0	2.8166		0.0012

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Fe2+	Mn2+	Mg2+	Li+	Total	Group	Ba2+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	1.6181	0.0286	0.5119	0	2.8166		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	1.5951	0.0261	0.5012	0	2.8033		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	1.6026	0.0261	0.5027	0	2.7999		0.0013
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	1.6125	0.0268	0.4929	0	2.808		0.0017
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	1.1228	0.0168	0.4804	0.0006	2.6452		0.002
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	1.6714	0.0236	0.4806	0	2.8265		0.0012
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	1.6684	0.0211	0.4798	0	2.815		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	1.1516	0.0192	0.4725	0	2.6657		0.0015
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	1.5934	0.0243	0.4984	0	2.7901		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	1.6064	0.0273	0.4691	0	2.7783		0.0036
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	1.6149	0.0243	0.459	0	2.7797		0.0003
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	1.6489	0.0221	0.4805	0	2.8171		0.0003
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	1.6049	0.0243	0.4873	0	2.7958		0.0061
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	1.6231	0.0247	0.4959	0	2.808		0.0014
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	1.1931	0.0228	0.3456	0.0095	2.6463		0.0004
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	1.6056	0.0275	0.3491	0	2.7415		0.001
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	1.6234	0.0262	0.3318	0	2.7379		0.0015
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	1.5382	0.0254	0.429	0	2.7458		0.0018
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	1.5352	0.024	0.4291	0	2.7441		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	1.5654	0.0247	0.4032	0	2.736		0.0029
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	1.1521	0.0214	0.4394	0.5009	2.9981		0.0072
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	1.0952	0.0267	0.4214	0.0102	2.616		0.002
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	1.5642	0.023	0.3368	0	2.6999		0.0008
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	1.5799	0.0193	0.3393	0	2.7066		0.0013
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	1.64	0.0242	0.3387	0	2.7574		0.0025
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	1.566	0.0215	0.3467	0	2.7029		0.0063
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	1.1594	0.0189	0.3579	0.0139	2.6095		0.0037
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	1.6501	0.0299	0.3053	0	2.7357		0.0021
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	1.6667	0.0277	0.307	0	2.7435		0.0049
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	1.2229	0.0265	0.2976	0.009	2.6114		0.0038
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	1.6339	0.0276	0.2909	0	2.7192		0.0042
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	1.6408	0.028	0.2862	0	2.7243		0.0059
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	1.535	0.0247	0.4075	0	2.7275		0.0012
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	1.5406	0.0239	0.4043	0	2.7204		0.0015
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	1.4899	0.0227	0.4098	0	2.6972		0.0084

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Ca2+	Cs+	Rb+	K+	Na+	Total	Group
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	0.0006	0	0	0.9389	0.0124	0.9724	A
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0.0007	0	0	0.9513	0.0132	0.9788	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0	0	0	0.9645	0.0117	0.9826	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0	0	0	0.9306	0.0132	0.9561	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0.0002	0	0	0.9616	0.0161	0.9923	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0	0	0	0.949	0.0064	0.968	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0.0009	0	0	0.8103	0.0089	0.8279	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0	0	0	0.9549	0.0139	0.9808	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0	0	0	0.9599	0.0123	0.9831	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0.0015	0	0	0.9143	0.0061	0.9277	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0.0012	0	0	0.9708	0.0127	0.9948	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.0015	0	0	0.9713	0.0071	0.9908	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.0007	0	0	0.9723	0.0192	1	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0.0002	0	0	0.9636	0.0183	0.991	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0	0	0	0.9708	0.0138	0.9897	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0.002	0	0	0.9272	0.0185	0.9554	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0.0017	0	0	0.9585	0.0214	0.9925	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0.0012	0	0	0.9376	0.0134	0.96	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0	0	0	0.9747	0.0129	0.9938	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0	0	0	0.9616	0.0111	0.9788	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0.0004	0	0	0.9515	0.0156	0.973	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0.0018	0	0	0.952	0.0163	0.9758	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0.0006	0	0	0.9739	0.0056	0.987	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0.0008	0	0	0.9685	0.0152	0.989	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0	0	0	0.9615	0.018	0.9877	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0.0017	0	0	0.9541	0.0132	0.9788	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0.0008	0	0	0.9533	0.0093	0.9744	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0.0123	0	0	0.8855	0.0108	0.921	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0.0014	0	0	0.9489	0.0026	0.9624	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0.0017	0	0	0.9603	0.012	0.9854	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0.0015	0	0	0.9433	0.0148	0.974	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0.0026	0	0	0.9387	0.0136	0.971	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0.0047	0	0	0.9645	0.0139	0.9993	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0.0006	0	0	0.9696	0.01	0.9961	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	0.0044	0	0	0.9586	0.0103	0.9893	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0	0	0	0.969	0.0161	0.9971	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0.0007	0	0	0.9753	0.0125	1	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0.0019	0	0	0.975	0.0155	0.9988	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0.0055	0	0	0.9673	0.0148	0.9945	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	0.0043	0	0	0.936	0.0099	0.9574	
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0.004	0	0	0.9637	0.0154	0.9961	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0.0059	0	0	0.9177	0.0139	0.9454	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0.004	0	0	0.9311	0.004	0.9454	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0.004	0	0	0.9388	0.0047	0.9529	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0.0017	0	0	0.9528	0.0098	0.971	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0.0014	0	0	0.9316	0.0113	0.9467	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	0.0033	0	0	0.8995	0.007	0.9152	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0.0019	0	0	0.9384	0.0092	0.9563	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0.2095	0	0	0.7759	0.0098	1	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Ca2+	Cs+	Rb+	K+	Na+	Total	Group
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0.0018	0	0	0.9507	0.0168	0.9754	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0.0042	0	0	0.9317	0.0053	0.9413	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0.0014	0	0	0.9371	0.009	0.9488	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0.001	0	0	0.9461	0.0041	0.958	
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0	0	0	0.9371	0.0123	0.9569	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0.007	0	0	0.6986	0.0058	0.7134	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0.0014	0	0	0.8382	0.0057	0.8461	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0.0039	0	0	0.8287	0.0051	0.8395	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0.0047	0	0	0.7782	0.0096	0.7942	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0.0015	0	0	0.859	0.0022	0.8627	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0.0014	0	0	0.8514	0.0035	0.8567	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0.0003	0	0	0.8819	0.007	0.8905	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0.0018	0	0	0.8281	0.0052	0.8352	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0.0032	0	0	0.8163	0.0086	0.8282	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	0	0	0.8516	0.0078	0.8596	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0.001	0	0	0.8389	0.0041	0.8453	
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0.0004	0	0	0.8502	0.0062	0.8586	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0.0033	0	0	0.8506	0.004	0.8587	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0.001	0	0	0.861	0.0029	0.8648	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0.0031	0	0	0.845	0.008	0.8582	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0.0052	0	0	0.8814	0.0068	0.8945	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0.0031	0	0	0.8798	0.0046	0.8893	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0.0067	0	0	0.8728	0.0049	0.886	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0.0073	0	0	0.8336	0.0132	0.8561	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0.011	0	0	0.8237	0.0151	0.8511	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0.0101	0	0	0.7722	0.0141	0.7982	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0.0043	0	0	0.8712	0.0092	0.8848	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.0064	0	0	0.9159	0.0106	0.9432	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0.0069	0	0	0.9078	0.0046	0.9244	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0.0134	0	0	0.8337	0.013	0.8602	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0.0097	0	0	0.867	0.0157	0.8961	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.0072	0	0	0.8639	0.0106	0.8827	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.0101	0	0	0.7033	0.0133	0.728	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0.0034	0	0	0.876	0.008	0.8874	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0.0088	0	0	0.8271	0.0044	0.8416	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0.0034	0	0	0.9478	0.0055	0.9626	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	0.0018	0	0	0.9159	0.0063	0.9298	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.0016	0	0	0.9398	0.016	0.9675	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0.0055	0	0	0.8479	0.0091	0.8637	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0.0203	0	0	0.7673	0.0159	0.8048	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.0077	0	0	0.9323	0.0084	0.9508	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0.0111	0	0	0.8544	0.0071	0.8857	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0.0033	0	0	0.8698	0.0062	0.8881	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0.0108	0	0	0.8226	0.0159	0.8502	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0.0162	0	0	0.7949	0.018	0.8321	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0.0115	0	0	0.7685	0.0183	0.7997	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0.0024	0	0	0.89	0.0066	0.8995	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0.0007	0	0	0.9004	0.0102	0.913	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0.0026	0	0	0.8561	0.0035	0.8644	



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Ca2+	Cs+	Rb+	K+	Na+	Total	Group
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_7_bt	3	0.01	0	0	0.8111	0.008	0.8293	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	1	0.0079	0	0	0.8882	0.0149	0.9124	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	2	0.013	0	0	0.7946	0.0175	0.8263	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	3	0.0064	0	0	0.9556	0.0125	0.9762	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	4	0.009	0	0	0.924	0.0119	0.9449	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	5	0.0266	0	0	0.6903	0.0132	0.7319	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	1	0.0151	0	0	0.7195	0.0113	0.7477	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	2	0.0172	0	0	0.8413	0.0112	0.8732	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	3	0.0161	0	0	0.8677	0.0114	0.9042	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	2	0.0056	0	0	0.7466	0.0091	0.7632	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	3	0.0035	0	0	0.7418	0.0064	0.752	
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	4	0.0049	0	0	0.7463	0.0072	0.7587	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	1	0.001	0	0	0.9462	0.0196	0.968	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	2	0.0007	0	0	0.9501	0.0202	0.9716	
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	3	0.0012	0	0	0.9526	0.0253	0.9798	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	1	0.0018	0	0.0012	0.9337	0.0239	0.9608	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	2	0.001	0	0.0004	0.9449	0.0254	0.9727	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	3	0.0014	0	0	0.8809	0.0171	0.901	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	4	0	0	0.0002	0.8966	0.0255	0.9227	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	5	0.0013	0	0.0004	0.9091	0.0176	0.9289	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	1	0	0	0	0.9355	0.0315	0.9674	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	2	0	0	0	0.9441	0.0333	0.98	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	3	0	0	0	0.9583	0.0332	0.9928	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	1	0.0001	0	0	0.943	0.0335	0.9777	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	2	0	0	0.0008	0.9416	0.0303	0.9728	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	3	0.0011	0	0.0048	0.9335	0.0245	0.964	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	4	0.0035	0	0	0.9455	0.023	0.973	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	5	0.001	0	0.0011	0.9577	0.0278	0.989	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	1	0.0002	0	0	0.9511	0.0221	0.9734	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	2	0	0	0	0.9731	0.0179	0.991	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	3	0.0002	0	0	0.9634	0.023	0.9865	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	1	0.0012	0	0	0.9776	0.0205	0.9994	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	2	0.0029	0	0	0.9767	0.0201	0.9997	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	1	0.0003	0	0	0.9556	0.0335	0.9894	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	2	0	0	0	0.9704	0.0296	1	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	3	0.0004	0	0	0.9669	0.0266	0.9981	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	4	0.0016	0	0	0.9653	0.024	0.9909	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	5	0.0018	0	0	0.9487	0.0261	0.978	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	1	0.0001	0	0.002	0.9414	0.0326	0.9766	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	2	0	0	0.0028	0.9244	0.0302	0.9601	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	3	0.0019	0	0.0007	0.9289	0.0271	0.9599	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	1	0	0	0	0.9613	0.0188	0.9816	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	2	0.0007	0	0	0.9658	0.016	0.9825	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	1	0.0004	0	0	0.9707	0.0236	0.9952	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	2	0.0001	0	0	0.9685	0.0198	0.9905	
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	3	0	0	0.001	0.9455	0.0219	0.9706	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	1	0.0034	0	0	0.8969	0.0154	0.9174	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	2	0.0008	0	0	0.9568	0.0178	0.9756	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	3	0.0012	0	0	0.9602	0.0218	0.984	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Ca2+	Cs+	Rb+	K+	Na+	Total	Group
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0	0	0	0.955	0.0195	0.9778	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0.0022	0	0	0.9576	0.0225	0.9875	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.0007	0	0	0.9479	0.0213	0.9725	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0.0002	0	0	0.9542	0.0267	0.9827	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0.0001	0	0	0.9519	0.0187	0.9745	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0.0002	0	0	0.965	0.0195	0.9866	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.0007	0	0	0.9466	0.0213	0.971	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.0003	0	0	0.9352	0.0194	0.9594	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0.0017	0	0	0.9416	0.0174	0.963	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0.001	0	0	0.9608	0.0218	0.9893	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0.0009	0	0	0.9314	0.0088	0.9412	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0.0009	0	0	0.9588	0.0051	0.9662	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.0034	0	0	0.9659	0.0191	0.9898	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0.0019	0	0	0.9473	0.0144	0.9647	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0	0	0	0.9596	0.0151	0.9753	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0.0008	0	0	0.9705	0.0139	0.9884	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.0004	0	0	0.9628	0.0173	0.9817	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0.0011	0	0	0.9572	0.0173	0.9788	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0.0012	0	0	0.9562	0.0177	0.9759	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0	0	0	0.9528	0.0182	0.971	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.0002	0	0	0.9761	0.0163	0.9947	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0.0025	0	0	0.7542	0.0096	0.767	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0.0007	0.0009	0	0.9518	0.0162	0.9696	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0.0008	0	0	0.9379	0.0227	0.9622	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.0005	0	0	0.9451	0.0085	0.9552	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0.0025	0	0	0.957	0.0159	0.9758	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0	0	0	0.968	0.0148	0.9845	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0.0014	0	0	0.9602	0.016	0.9776	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0.0015	0	0	0.9418	0.0222	0.9662	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0.0035	0	0	0.8563	0.016	0.8797	
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0.0027	0	0	0.9593	0.0215	0.9835	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0.0321	0	0	0.8432	0.0151	0.8927	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0.0016	0	0	0.9547	0.0054	0.9628	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0.0402	0	0	0.8507	0.021	0.914	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0.0031	0	0	0.9481	0.0086	0.9661	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0.0297	0	0	0.8556	0.0217	0.908	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0.0003	0	0	0.9636	0.0053	0.9714	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0	0	0	0.967	0.0076	0.9751	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0.0008	0	0	0.9607	0.0063	0.9689	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0.0024	0	0	0.95	0.0071	0.9595	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0.0018	0	0	0.9643	0.0062	0.9733	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0.0027	0	0	0.9589	0.0086	0.9701	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0.0022	0	0	0.9467	0.0075	0.9579	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0.0034	0	0	0.9258	0.0128	0.9472	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0.0022	0	0	0.9473	0.0115	0.964	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0.0023	0	0	0.9295	0.0111	0.9429	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0.0017	0	0	0.9518	0.0125	0.9739	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0.0026	0	0	0.9524	0.0078	0.9645	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0.0034	0	0	0.9412	0.0117	0.9576	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Ca2+	Cs+	Rb+	K+	Na+	Total	Group
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0.0016	0	0	0.9545	0.0067	0.9628	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0.0035	0	0	0.9457	0.0046	0.9539	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0.0012	0	0	0.9468	0.0069	0.9561	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0.0033	0	0	0.9374	0.007	0.9495	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0.0271	0	0	0.8378	0.0081	0.8749	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0.0269	0	0	0.8581	0.0139	0.9001	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0.0272	0	0	0.871	0.0114	0.9096	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0.0238	0	0	0.8611	0.0154	0.9018	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0.0073	0	0	0.9348	0.0124	0.9546	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0.0021	0	0	0.9531	0.0118	0.9706	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0.0003	0	0	0.9588	0.0047	0.9641	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0.0103	0	0	0.9158	0.0081	0.9346	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0.0051	0	0	0.9183	0.0111	0.9406	
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0.0026	0	0	0.9412	0.0078	0.9531	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0.002	0	0	0.8992	0.0196	0.9212	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0.0033	0	0	0.9578	0.0183	0.9803	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.0017	0	0	0.9392	0.0186	0.9611	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0.0001	0	0	0.9566	0.0193	0.9779	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0.0005	0	0	0.9469	0.0211	0.9685	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0	0	0	0.9641	0.0243	0.9913	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0.0117	0	0	0.9297	0.0224	0.971	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0.0001	0	0	0.9557	0.0088	0.9665	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0.0023	0	0	0.954	0.0102	0.9673	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0	0	0	0.9682	0.0112	0.9807	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0.0008	0	0	0.902	0.0113	0.9166	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0.0022	0	0	0.9501	0.0157	0.9742	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0.0017	0	0	0.9267	0.0116	0.9437	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0.0027	0	0	0.9657	0.0148	0.9852	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0.0012	0	0	0.9728	0.0169	0.9958	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0.0102	0	0	0.9342	0.0168	0.965	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0	0	0	0.9559	0.0215	0.9817	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.0016	0	0	0.9493	0.0187	0.9755	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0.0017	0	0	0.9511	0.0165	0.9705	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0.0017	0	0	0.9605	0.0127	0.9763	
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0.0019	0	0	0.9471	0.0189	0.9763	

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	OH-	Cl-	F-	O2-	Total	Group	Bitbyte
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	1.7435	0.011	0.0568	0.1887	2	Endmemb	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	1.7515	0.005	0.0802	0.1633	2	Decompos	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	1.7751	0.0032	0.0651	0.1566	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	1.7282	0.009	0.0865	0.1763	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	1.7161	0.0051	0.0925	0.1864	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	1.7589	0.005	0.0917	0.1444	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	1.7851	0.0061	0.055	0.1538	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	1.7377	0.0084	0.0893	0.1646	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	1.7923	0.0043	0.0463	0.157	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	1.7809	0.0049	0.0519	0.1623	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	1.7339	0.0069	0.0781	0.1812	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	1.7227	0.0071	0.1119	0.1583	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	1.7721	0.0067	0.0489	0.1723	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	1.7402	0.0072	0.0917	0.1609	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	1.7626	0.0042	0.0711	0.1621	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	1.7692	0.0034	0.0446	0.1827	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	1.7383	0.0085	0.0533	0.2	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	1.7626	0.004	0.0913	0.1422	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	1.7514	0.0059	0.1033	0.1394	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	1.7827	0.0033	0.0738	0.1402	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	1.7814	0.0079	0.0689	0.1418	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	1.7438	0.0037	0.098	0.1545	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	1.7366	0.0038	0.1175	0.142	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	1.8038	0.0038	0.0809	0.1114	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	1.7236	0.007	0.1286	0.1408	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	1.7691	0.0048	0.053	0.1731	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	1.7248	0.0053	0.0873	0.1825	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	1.7153	0.0059	0.0865	0.1923	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	1.7447	0.0036	0.0836	0.1681	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	1.7907	0.006	0.0151	0.1882	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	1.7682	0.0046	0.067	0.1603	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	1.6489	0.0052	0.0859	0.2599	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	1.7087	0.0023	0.1075	0.1814	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	1.746	0.0053	0.0792	0.1695	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	1.755	0.0073	0.0654	0.1724	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	1.7362	0.0064	0.0878	0.1696	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	1.7403	0.0064	0.0827	0.1706	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	1.7781	0.0091	0.0392	0.1736	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	1.7521	0.0046	0.079	0.1643	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	1.8048	0.0028	0.0568	0.1356	2		0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	1.7268	0.0063	0.0899	0.1771	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	1.6254	0.006	0.1667	0.2019	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	1.6329	0.0028	0.163	0.2014	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	1.6297	0.0041	0.1753	0.1909	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	1.6122	0.0027	0.1851	0.2	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	1.6757	0.0042	0.1698	0.1503	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	1.6837	0.0041	0.1381	0.174	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	1.6815	0.005	0.1001	0.2134	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	1.5267	0.0047	0.2105	0.2581	2		0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	OH-	Cl-	F-	O2-	Total	Group	Bitbyte
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	1.6543	0.0045	0.1608	0.1805	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	1.6889	0.0037	0.1549	0.1525	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	1.7362	0.0022	0.1163	0.1453	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	1.7222	0.0057	0.1111	0.1609	2		0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	1.682	0.0056	0.1061	0.2062	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	1.6869	0.0023	0.2168	0.094	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	1.7093	0	0.1981	0.0926	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	1.6554	0.0003	0.2565	0.0878	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	1.6458	0.0006	0.2525	0.1011	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	1.7038	0	0.195	0.1012	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	1.6702	0	0.2468	0.083	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	1.6633	0.0018	0.2522	0.0827	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	1.7162	0	0.2122	0.0716	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	1.6943	0	0.2108	0.0948	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	1.6839	0	0.2274	0.0887	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	1.6488	0	0.2482	0.103	2		0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	1.6557	0.0008	0.2537	0.0899	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	1.7947	0.0015	0.1111	0.0926	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	1.7567	0.0033	0.1441	0.0959	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	1.8074	0	0.0886	0.104	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	1.7155	0.0003	0.1668	0.1175	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	1.7591	0.0017	0.1334	0.1058	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	1.7471	0.0162	0.0924	0.1442	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	1.7752	0.0009	0.1333	0.0906	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	1.7707	0.0005	0.1347	0.0941	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	1.7935	0.0013	0.1114	0.0939	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	1.7144	0.0018	0.1826	0.1011	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	1.737	0.0127	0.1008	0.1495	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	1.7021	0.0164	0.1313	0.1502	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	1.7618	0	0.1437	0.0945	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	1.7466	0.0163	0.0846	0.1525	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	1.825	0	0.0751	0.0999	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	1.8202	0.0044	0.0937	0.0817	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	1.7789	0.0008	0.1185	0.1018	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	1.6972	0.0009	0.2054	0.0965	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	1.6986	0.0227	0.1161	0.1626	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	1.5228	0.013	0.1055	0.3587	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	1.7049	0.022	0.0907	0.1823	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	1.7549	0.0017	0.15	0.0934	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	1.7789	0	0.1268	0.0943	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	1.684	0.0177	0.1325	0.1658	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	1.6902	0.0184	0.1205	0.1709	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	1.6292	0.0118	0.1162	0.2427	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	1.7636	0.0005	0.1319	0.104	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	1.7444	0.0013	0.1595	0.0948	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	1.7986	0.0024	0.1213	0.0777	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	1.7639	0.0005	0.143	0.0925	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	1.7282	0	0.1668	0.105	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	1.7808	0.0023	0.1094	0.1075	2		0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	OH-	Cl-	F-	O2-	Total	Group	Bitbyte
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_7_bt	3	1.7861	0.002	0.1377	0.0742	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	1	1.7351	0.0155	0.0689	0.1805	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	2	1.744	0.0139	0.0832	0.159	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	3	1.7337	0.016	0.0696	0.1807	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	4	1.6956	0.0148	0.1087	0.1809	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	5	1.6941	0.0177	0.1209	0.1673	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	1	1.741	0.0146	0.1013	0.1432	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	2	1.7811	0.0142	0.0572	0.1475	2		0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	3	1.7125	0.0166	0.0842	0.1868	2		0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	2	1.7577	0.0005	0.1653	0.0764	2		0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	3	1.7008	0.0021	0.2137	0.0834	2		0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	4	1.6949	0.0016	0.2248	0.0788	2		0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	1	1.1706	0.0032	0.7781	0.0481	2		0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	2	1.152	0.0024	0.7957	0.05	2		0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	3	1.2569	0.0029	0.6925	0.0477	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	1	1.5239	0.0017	0.3452	0.1292	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	2	1.4508	0.0022	0.4334	0.1135	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	3	1.5231	0.0009	0.383	0.093	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	4	1.4533	0.0006	0.4429	0.1031	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	5	1.4514	0.0017	0.4395	0.1075	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	1	1.5358	0.0079	0.3016	0.1547	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	2	1.5024	0.0057	0.3371	0.1547	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	3	1.5278	0.0082	0.3349	0.129	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	1	1.5282	0.0027	0.3504	0.1187	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	2	1.5203	0.0038	0.3486	0.1273	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	3	1.4669	0.0018	0.407	0.1243	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	4	1.4752	0.0032	0.4087	0.1129	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	5	1.5181	0.0007	0.3739	0.1074	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	1	1.4557	0.0042	0.3737	0.1665	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	2	1.4691	0.006	0.3783	0.1467	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	3	1.4933	0.0056	0.3649	0.1362	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	1	1.4542	0.0076	0.4254	0.1127	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	2	1.5159	0.0047	0.3664	0.113	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	1	1.4591	0.0027	0.4267	0.1114	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	2	1.4925	0.0045	0.3517	0.1512	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	3	1.4988	0.0061	0.3372	0.158	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	4	1.4323	0.0019	0.4356	0.1301	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	5	1.4929	0.004	0.3772	0.1259	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	1	1.392	0.0047	0.4555	0.1478	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	2	1.3951	0.005	0.4759	0.1241	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	3	1.4525	0.0009	0.4468	0.0997	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	1	1.357	0.0018	0.5508	0.0904	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	2	1.4652	0.0058	0.4266	0.1023	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	1	1.4733	0.0009	0.4093	0.1165	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	2	1.5125	0.003	0.3598	0.1247	2		0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	3	1.4928	0	0.401	0.1062	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	1	1.7798	0.007	0.0666	0.1466	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	2	1.6764	0.006	0.1459	0.1717	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	3	1.7533	0.0048	0.0756	0.1663	2		0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	OH-	Cl-	F-	O2-	Total	Group	Bitbyte
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	1.6674	0.0044	0.1278	0.2004	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	1.6425	0.0038	0.1547	0.199	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	1.6739	0.0071	0.1325	0.1864	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	1.7063	0.0053	0.1129	0.1755	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	1.6689	0.0051	0.1412	0.1847	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	1.6727	0.0051	0.1038	0.2184	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	1.6528	0.0063	0.1492	0.1917	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	1.6459	0.007	0.1774	0.1697	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	1.6761	0.0102	0.111	0.2028	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	1.6456	0.0073	0.1583	0.1888	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	1.7524	0.0042	0.1131	0.1303	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	1.6917	0.0035	0.1499	0.1548	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	1.7234	0.007	0.0685	0.2011	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	1.6898	0.0053	0.1301	0.1748	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	1.6824	0.0073	0.1252	0.1852	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	1.6837	0.0067	0.1276	0.182	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	1.6843	0.0044	0.1226	0.1886	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	1.6474	0.0059	0.143	0.2036	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	1.6538	0.0051	0.1417	0.1994	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	1.6754	0.0041	0.1142	0.2063	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	1.6856	0.0065	0.115	0.1929	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	1.8501	0.0058	0.1435	0.0006	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	1.8156	0.0044	0.1791	0.0008	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	1.7748	0.0046	0.1365	0.0841	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	1.7353	0.0058	0.1637	0.0952	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	1.7723	0.0059	0.1439	0.0779	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	1.7639	0.0088	0.0481	0.1793	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	1.752	0.0079	0.0589	0.1811	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	1.661	0.0048	0.1703	0.1639	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	1.6958	0.0048	0.1302	0.1691	2		0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	1.6333	0.0046	0.182	0.1801	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	1.7254	0.0048	0.1357	0.1341	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	1.7104	0.0038	0.1538	0.132	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	1.7472	0.0058	0.1117	0.1352	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	1.7795	0.0038	0.0878	0.1289	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	1.737	0.0073	0.1207	0.135	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	1.6327	0.0022	0.2438	0.1212	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	1.6186	0.0037	0.2441	0.1336	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	1.5899	0.0016	0.2815	0.1271	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	1.6517	0.0024	0.2327	0.1133	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	1.7645	0.0005	0.095	0.14	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	1.751	0.0038	0.1048	0.1403	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	1.7574	0.0033	0.108	0.1313	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	1.6447	0.0017	0.2243	0.1293	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	1.623	0.0042	0.2596	0.1132	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	1.6011	0.0025	0.2685	0.128	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	1.657	0.0038	0.2052	0.1339	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	1.6585	0.0009	0.1996	0.141	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	1.6576	0.0041	0.196	0.1424	2		0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	OH-	Cl-	F-	O2-	Total	Group	Bitbyte
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	1.6689	0.0031	0.1877	0.1403	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	1.7266	0.0059	0.125	0.1426	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	1.6977	0.0051	0.1559	0.1413	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	1.6661	0.0052	0.1825	0.1462	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	1.7634	0.0041	0.0847	0.1478	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	1.627	0.0028	0.2193	0.151	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	1.6752	0.0013	0.1721	0.1513	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	1.6638	0.0027	0.1992	0.1342	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	1.6514	0.0032	0.2016	0.1438	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	1.5419	0.0034	0.2878	0.1669	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	1.6321	0.0015	0.2162	0.1503	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	1.6825	0.0039	0.162	0.1516	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	1.6355	0.0041	0.2037	0.1567	2		0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	1.6534	0.0051	0.193	0.1485	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	1.4896	0.0073	0.3596	0.1435	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	1.4338	0.0083	0.4038	0.1541	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	1.4926	0.0142	0.361	0.1322	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	1.3732	0.0113	0.5203	0.0952	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	1.4036	0.0125	0.4889	0.0949	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	1.3712	0.0185	0.4316	0.1787	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	1.475	0.0116	0.3556	0.1578	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	1.3375	0.0112	0.4938	0.1575	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	1.4985	0.0063	0.3571	0.1381	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	1.4031	0.008	0.4457	0.1432	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	1.4525	0.0054	0.4183	0.1238	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	1.4229	0.0097	0.4217	0.1458	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	1.4999	0.0082	0.3592	0.1327	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	1.4196	0.0099	0.3742	0.1962	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	1.4245	0.0112	0.366	0.1983	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	1.4288	0.0128	0.3575	0.2009	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	1.4027	0.0132	0.3768	0.2073	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	1.3926	0.0155	0.3863	0.2057	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	1.4647	0.0079	0.3995	0.128	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	1.3868	0.0077	0.4861	0.1194	2		0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	1.3938	0.0122	0.4672	0.1267	2		0



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Clintonite	inositalit	trokinoshit	Margarite	chernykhit	Ephesite	'reiswerkit	Eastonite
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	0.9455	2.9389	0	0	0	0	1.4836	11.4956
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0.7929	2.0708	0	0	0	0	1.4892	13.8008
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0	1.6051	0	0	0	0	1.4084	8.4757
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0	1.412	0	0	0	0	0	16.3406
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0.5069	1.9239	0	0	0	0	1.4046	13.5551
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0	2.3247	0	0	0	0	0	11.0234
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0	0	10.4646	0	0	0	0	18.4089
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0.6752	1.864	0	0	0	0	1.515	13.5613
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0	0	0	0	0	0	1.5591	18.1751
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0	0	0	0	0	0	0	12.6043
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0.5437	1.4252	0	0	0	0	0	13.952
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0	0.687	0	0	0	0	0.6357	17.8639
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.3703	1.08	0	0	0	0	1.5156	16.5748
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0.4835	1.349	0	0	0	0	0	14.924
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0	1.2717	0	0	0	0	1.3627	9.2042
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	1.4162	1.9799	0	0	0	0	2.455	10.4731
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0.6935	1.6192	0	0	0	0	1.8596	12.5978
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0.9475	1.6096	0	0	0	0	0	12.9077
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0	0.2473	0	0	0	0	0	18.5763
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0	1.6247	0	0	0	0	1.5339	10.4723
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	4.1528	0	4.6626	0	0	0	0	23.682
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	4.1443	0	4.5375	0	0	0	0	23.6041
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0.6215	1.2415	0	0	0	0	0.5402	11.7177
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0.538	0.9087	0	0	0	0	0	15.88
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0	0.5995	0	0	0	0	0	17.2814
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0.9397	1.7464	0	0	0	0	1.4418	12.4739
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0.918	1.9374	0	0	0	0	1.157	12.3463
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	2.6313	2.6435	0	0	0	0	0	6.2211
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	1.1625	1.9816	0	0	0	0	0.7699	11.6067
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0.888	1.8566	0	0	0	0	1.1259	11.8449
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0.9945	2.2958	0	0	0	0	0	7.2825
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0	2.2316	0	0	0	0	1.5546	16.1101
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0	1.5485	0	0	0	0	1.0457	16.7583
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0	1.0336	0	0	0	0	0.6831	16.6196
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	0	0	0	0	0	0	0	17.022
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0	1.7447	0	0	0	0	1.3255	12.0105
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0.3519	1.4311	0	0	0	0	0.87	13.8875
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0	0	0	0	0	0	0	15.4519
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0.9444	1.097	0	0	0	0	0	14.2232
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	1.7426	0	0	0	0	0	0	9.5553
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0.7874	1.6768	0	0	0	0	0	13.7199
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	1.957	2.1422	0	0	0	0	1.6937	8.1211
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0	1.4578	0	0	0	0	0	13.8035
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	1.6761	1.8222	0	0	0	0	1.0972	9.7418
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	1.1502	1.6504	0	0	0	0	1.1999	11.06
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	1.1434	1.2506	0	0	0	0	0	10.1366
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	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_bt	2	1.4317	1.93	0	0	0	0	1.4634	9.385
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	25.5181	0	5.0304	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Clintonite	inositalit	trokinoshit	Margarite	chernykhite	Ephesite	'reiswerkit	Eastonite
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0	0.4661	0	0	0	0	1.6831	15.8648
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	1.8499	0	0	0	0	0	0	8.2843
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	1.2317	1.2214	0	0	0	0	0	6.5096
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	1.2246	1.7921	0	0	0	0	0	6.3794
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0	2.2791	0	0	0	0	0	5.7288
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	8.782	0	7.4763	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	5.2748	0	5.2263	0	0	0	0	15.7727
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	4.1267	0	1.5407	0	0	0	0	11.8095
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	6.6962	0	6.3932	0	0	0	0	4.2387
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	4.5659	0	4.413	0	0	0	0	16.0892
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	4.7918	0	4.6852	0	0	0	0	16.2671
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	1.4529	1.555	0	0	0	0	0	8.5136
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	3.9992	0	3.8181	0	0	0	0	22.3356
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	2.7808	0	2.4611	0	0	0	0	16.0602
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	0	4.97	0	0	0	0	20.658
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	0	0	0	0	0	0	16.4059
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0	0	1.8875	0	0	0	0	14.8246
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	4.5762	0	4.3238	0	0	0	0	11.7108
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	7.7632	0	0	0	0	0	0	13.5159
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	4.282	0	3.7345	0	0	0	0	12.7011
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	2.0051	1.603	0	0	0	0	0	6.1038
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	1.686	1.5444	0	0	0	0	0	7.5909
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	2.4759	1.9593	0	0	0	0	0	13.5886
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	5.2352	0	4.6984	0	0	0	0	11.2137
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	6.9171	0	5.9343	0	0	0	0	9.7665
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	9.1462	0	0	0	0.8417	0	0	4.4845
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	1.7829	1.3641	0	0	0	0	0	6.2415
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0	1.3028	0	0	0	0	0	28.317
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	5.7317	0	5.5458	0	0	0	0	7.4847
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	4.8391	0	3.5131	0	0	0	0	13.2575
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	2.6298	2.024	0	0	0	0	0	15.4044
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.8594	1.6081	0	0	0	0	0	19.3615
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	9.9358	0	0	0	0.7918	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	1.6901	1.3467	0	0	0	0	0	5.9398
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	3.3971	0	2.6505	0	0	0	0	12.3636
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0.3871	1.6173	0	0	0	0	0	24.5237
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	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_Bt	6	0	0.5271	0	0	0	0	0	31.8243
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0	16.7085	0	0	0	0	0	10.4683
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	8.6686	0	0	0	0	0	0	9.3042
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	6.7068	0	6.1835	0	0	0	0	6.5027
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	9.5424	0	6.1423	0	0	0	0	3.7176
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	6.6569	16.7578	0	0	0	0	0	0.6877
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0	0	0	0	0	0	0	16.9603
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	5.7002	0	0	0	0	0	0	15.3997
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	7.9939	0	6.2138	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	1.546	1.3585	0	0	0	0	0	0.3021
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0	1.1794	0	0	0	0	0	8.8385
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	6.0024	0	5.9626	0	0	0	0	4.9165

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Clintonite	inoshitalit	trokinoshit	Margarite	chernykhite	Ephesite	'reiswerkit	Eastonite
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	7.8734	0	6.3488	0	0	0	0	2.7294
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	2.25	1.6115	0	0	0	0	0	6.7574
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	6.7166	0	0	0	0	0	0	3.1278
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0	0	0	0	0	0	1.6557	12.8505
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	2.1434	1.2429	0	0	0	0	0.9853	7.7682
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	13.5973	0	0	0	1.1599	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	0	0	0	0	2.5513	0	0	15.7893
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	3.5653	2.2075	0	0	0	0	0	10.1556
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	2.7368	1.3202	0	0	0	0	0	21.017
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	8.0084	7.6329	0	0	0	0	0	10.0563
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	9.0172	8.689	0	0	0	0	0	7.8108
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	8.0694	7.595	0	0	0	0	0	7.7314
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0	0	5.3119	6.1282	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0	0	6.6857	9.2302	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0	0	0	11.1756	0	0	0	2.0729
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0	0	0	0.2816	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0	0	0	0.4269	0	0	0	0.3231
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	12.1629	0	0	0	2.6001	7.1934	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	7.76	0	0	0	1.4462	2.8527	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0	0	0	10.9868	0.6892	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0.759	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0.4456	0	0.4437	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0	0	0	0	0	0	0	8.9362
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0.6096	0	0.6434	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0.9619	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0	0	0	1.1835	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0	0	0.8339	1.0894	0	0	0	0.6942
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0.5663	0	0.6122	0	0	0	0	0.2351
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0	0	0	0	0	0	0.6269	9.4363
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0.6163	0	0	0	0	0	0	2.828
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0	0	0	0	0	0	0	7.8312
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0	0	0	0	0	0	0	6.4354
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0.5634	0	0	0	0	0	0	3.3565
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	0	0	0	0	0	0	6.1964
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0	0	0	0	0	0	2.3196	6.095
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0.1746	0	0.3186	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	0	0	0.7361	0	0	0	2.4346
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0	0	0.8126	0.8578	0	0	0	0.9157
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	1.013	0	0	0	0	0	0	0.5989
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0	0	6.2545	7.556	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0	0	0	0	0	0	0	1.2704
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0	0	0.7397	0	0	0	1.5974
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0	0	0.3766	0.3666	0	0	0	1.0948
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0.3381	0	0.3978	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0	0	0	0.314	0	0	0	2.7925
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	0	0	0	0	0	0	0	21.3558
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0.9067	0.8451	0	0	0	0	1.9553	8.3874
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0.8114	0.7634	0	0	0	0	2.152	7.6151

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Clintonite	inositalit	trokinoshit	Margarite	chernykhit	Ephesite	'reiswerkit	Eastonite
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0	0.1888	0	0	0	0	2.083	24.0098
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0.8714	1.1644	0	0	0	0	2.0782	6.9993
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0	0.2193	0	0	0	0	2.3132	24.3936
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0.725	0.8707	0	0	0	0	2.685	8.1631
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0.8856	0	1.2558	0	0	0	2.0443	6.7791
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0.7523	0.9124	0	0	0	0	1.7177	11.276
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0	0	0	0	0	0	2.1412	12.7076
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0	0	0	0	0	0	0.356	23.9651
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	1.2958	1.357	0	0	0	0	2.1057	11.0044
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0.6797	1.1564	0	0	0	0	1.9801	7.3844
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0	0	0	0	0	0	0	24.4266
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	1.0486	1.0968	0	0	0	0	0.9218	8.8985
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0	0	0	0	0	0	1.7126	10.8303
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	1.2138	1.1368	0	0	0	0	1.8449	7.2961
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0.8587	0.9127	0	0	0	0	1.6662	7.5113
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0.6732	0.9031	0	0	0	0	1.2399	9.2649
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0	0	0	0	0	0	1.7832	13.0683
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0.9853	0	1.0627	0	0	0	1.7876	7.7133
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	1.0156	0.9644	0	0	0	0	1.8783	12.2026
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	1.0113	1.0113	0	0	0	0	2.0086	11.5043
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0	0	0	0	0	0	1.1302	11.319
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0	0	0	0	0	0	0	24.7162
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0.2156	0	0	0	0	0	0	16.0906
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0.5246	0.5236	0	0	0	0	0	5.4368
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0	0.0709	0	0	0	0	0	31.5591
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0.6704	0	0	0	0	0	0	6.2646
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0	1.1548	0	0	0	0	0	13.813
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0	0	0	0	0	0	0	23.4848
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	1.1229	0	1.0504	0	0	0	2.6137	13.7537
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	2.0521	2.101	0	0	0	0	0	7.3398
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0.9754	0	0.7034	0	0	0	2.13	8.55
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0	2.0485	0	4.3265	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	1.0358	0.9998	0	0	0	0	0	9.8821
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0	2.4021	0	4.343	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	1.2282	1.5441	0	0	0	0	0	9.6838
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	12.5754	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0.813	1.0166	0	0	0	0	0.8964	7.1331
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0.7492	0.8042	0	0	0	0	1.0204	8.5803
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0	0.5163	0	0	0	0	0	10.1653
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	1.0206	0.7792	0	0	0	0	0	7.964
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0	0.5913	0	0	0	0	0	20.0235
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0	0	0	0	0	0	0	19.232
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	1.2286	1.1676	0	0	0	0	0	10.8768
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0	0.9864	0	0	0	0	0	15.8195
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0.9779	0	1.0594	0	0	0	0.7801	8.1021
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	8.3896	0	0	0	0	0	0	7.1764
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0.7915	1.3932	0	0	0	0	0	9.9894
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0	0.5262	0	0	0	0	0	18.5619
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	1.2097	0.9942	0	0	0	0	0	10.1411

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Clintonite	inositalit	trokinoshit	Margarite	chernykhite	Ephesite	'reiswerkit	Eastonite
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	1.2199	0	0	0	0	0	0	12.194
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	1.6551	0	0	0	0	0	0	11.6527
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	1.1091	1.1263	0	0	0	0	0	10.6527
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	1.4104	3.3492	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	7.5863	0	3.218	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0	0	1.9058	4.0318	0	0	0	3.837
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	3.1772	1.3879	0	0.9318	0	0	0	2.9999
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	6.9623	0	6.7308	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	1.7957	0	0	0	0	0	0	8.8434
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	1.1178	0	1.2664	0	0	0	1.473	8.7157
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0.9081	0.9136	0	0	0	0	0	8.6475
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	2.2567	2.6936	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0	5.1864	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	1.2536	1.1311	0	0	0	0	0	8.8047
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	1.2203	0	0	0	0	0	0.2039	6.4002
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0	0	0	0	0	0	0	10.065
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0.6934	0	0	0	0	0	0.4811	9.7248
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0.7128	0	0	0	0	0	0	9.3438
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0	0	0	0	0	0	2.1618	10.6544
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0	10.7019	0	0	0	0	0	3.7681
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	6.3806	0	0	0	0	0	0	4.4512
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	1.2429	0	0	0	0	0	0	5.6256
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0.8619	0	0	0	0	0	0	7.4596
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	1.2575	0	1.3053	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0.9946	0	1.409	0	0	0	0	5.2991
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	4.2521	0	4.4488	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0.9487	0	0.8922	0	0	0	0	0.9765
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0.5581	0	0.9298	0	0	0	0	1.3872
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	10.4433	0	0	0	0	0	1.9919	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0	0	0	0	0	0	2.0912	9.5795
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0	0	0	0	0	0	2.167	9.5539
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	1.1081	0	0	0	0	0	1.6324	8.32
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	1.039	0	0	0	0	0	0.4667	8.7049
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0.8806	0	1.5329	0	0	0	0	7.6177

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	iderophylli	Wonesite	romuscov	Aspidolite	Phlogopite	erophlago	Suhailite	Annite
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	16.304	0	0	0	17.4008	0	0	23.3892
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	16.8835	0	0	0	18.6167	0	0	22.6962
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	11.1398	0	0	0	26.3702	0	0	29.6225
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	16.483	3.115	0	0	24.4673	0	0	25.4956
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	16.4206	0	0	0	19.8884	0	0	23.6515
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	13.8418	2.0159	0	0	23.6352	0	0	27.138
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	30.1177	14.9829	0	0	0	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	16.9117	0	0	0	19.7714	0	0	22.9278
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	16.4176	0	0	0	25.4144	0	0	24.853
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	17.0927	8.0889	0	0	20.0841	0	0	27.8178
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	17.0016	0	0	1.0006	19.02	0	0	22.9606
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	14.9771	0	0	0	26.9011	0	0	24.422
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	17.7668	0	0	0	17.3913	0	0	19.0663
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	16.8748	0	0	1.7226	18.7094	0	0	21.4281
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	11.9134	0	0	0	24.647	0	0	27.8401
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	14.8949	0	0	0	19.1546	0	0	24.6953
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	16.615	0	0	0	19.0567	0	0	23.8664
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	14.4989	1.9046	0	0.7974	22.0188	0	0	24.322
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	15.1965	0	0	1.0935	25.9482	0.7497	0	23.4007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	11.8185	0	0	0	25.7319	0	0	27.5474
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	22.1219	0	0	0	0	0.4493	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	21.8934	0	0	0	0	0.8469	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	12.1563	0	0	0	26.5886	0	0	26.0822
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	14.2138	0	0	1.5218	25.1815	0	0	22.0372
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	13.8391	0	0	1.8047	26.3387	1.2382	0	23.5928
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	16.0949	0	0	0	16.9858	0	0	21.5812
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	16.0816	0	0	0	19.8292	0	0	23.3439
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	12.8421	4.3021	0	0	14.4471	0	0	22.8252
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	14.5906	0	0	0	20.8579	0	0	24.764
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	16.5672	0	0	0	18.6731	0	0	24.4903
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	9.6149	1.9697	0	0	23.821	0	0	29.3122
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	15.1198	0	0	0	24.1373	0	0	25.299
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	15.6282	0	0	0	24.6128	0	0	24.0362
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	15.5102	0	0	0	24.1217	0	0	23.9055
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	15.0346	0	0	1.3661	25.8015	0	0	24.5268
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	13.8999	0	0	0	23.3974	0	0	26.6892
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	15.3159	0	0	0	21.6134	0	0	23.6432
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	15.4382	0	0	1.1707	28.4304	0	0	25.3003
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	16.6821	0	0	1.2634	19.0615	0	0	22.3165
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	10.3251	3.6514	0	0	23.4632	0	0	28.1168
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	17.7606	0	0	1.2495	18.8367	0	0	22.5277
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	18.8795	0.7669	0	0	11.0113	0	0	24.0244
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	20.7496	2.7427	0	0	15.7172	0	0	24.3639
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	19.349	0	0	0	12.8216	0	0	24.5491
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	19.9483	0	0	0	11.6512	0	0	22.4983
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	19.3543	3.228	0	0	13.6051	0	0	24.8367
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	43.4583	9.1193	0	0	14.3908	0	0	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	20.5594	0	0	0	9.2912	0	0	22.8189
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	8.7655	0	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	iderophylli	Wonesite	romuscov	Aspidolite	Phlogopite	erophlgo	Suhailite	Annite
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	19.3588	0.4865	0	0	16.5561	0	0	21.2064
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	18.8569	3.787	0	0	15.0832	0	0	27.5107
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	16.9692	3.0407	0	0	16.8195	0	0	29.0712
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	15.1886	1.595	0	0	16.7926	0	0	29.1967
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	16.8076	3.0012	0	0	13.4797	0	0	28.7389
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	27.1404	14.9149	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	11.5495	1.7847	0	0	0	4.263	1.8208	23.4752
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	23.8021	12.7082	0	0	0	1.3792	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	26.5886	10.2888	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	11.0943	1.5062	0	0	0	3.7252	1.6492	23.685
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	10.341	1.5494	0	0	0	6.6071	1.6907	23.794
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	15.4161	6.7172	0	0	14.2905	0.8175	0	23.0666
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	5.4868	4.8409	0	0	0	0	1.9047	21.9753
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	20.6172	6.5877	0	0	0	1.7128	9.5474	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	12.7208	4.6413	0	0	0	5.9352	0	23.8547
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	25.3664	15.9236	0	0	0	2.5901	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	24.9616	16.2432	0	0	0	1.8212	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	23.0609	3.6503	0	0	0	0	0	17.4369
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	28.2599	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_bt	3	22.4435	3.3398	0	0	0	0	1.6141	17.163
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	20.059	5.9671	0	0	9.1086	0	0	27.9603
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	19.8392	5.4768	0	0	8.8946	0	1.2157	28.1712
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	2.6038	5.431	0	0	0	0	0	49.4497
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	22.2015	4.1297	0	0	0	0	0	18.491
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	20.8915	2.5768	0	0	0	0	0	17.9493
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	27.4604	9.8684	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	20.0721	6.4512	0	0	10.3465	0	1.2192	27.0439
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0	4.2864	0	0	0	0	0	49.9871
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	25.2438	0	0	0	0	0	0	16.9991
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	20.2981	4.4299	0	0	0	0	1.4728	14.9719
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	8.9676	6.1325	0	0	0	0	0	47.0133
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0	8.9747	0	0	0	0	0.7335	48.6392
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	30.1074	12.9547	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	20.8859	6.1159	0	0	10.1148	0	1.2019	28.505
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	18.8469	8.0234	0	0	0	0	0	12.6811
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0	2.9274	0	0	0	0	0	45.9141
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	48.2476	11.4311	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0	4.7666	0	0	0	0	0	46.0965
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	33.4481	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_bt	2	24.4572	12.5933	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	35.2944	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_bt	5	33.952	0.8402	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	34.3086	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_bt	1	27.9754	11.6243	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	16.4903	9.2631	0	0	0	0	0	12.6413
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	34.7401	7.1092	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	18.0077	6.0715	0	0	14.3622	0	0	35.0532
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	20.8379	6.0295	0	0	13.6413	0	0	27.6374
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	34.4071	3.7263	0	0	0	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	iderophylli	Wonesite	romuscov	Aspidolite	Phlogopite	erophlago	Suhailite	Annite
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	36.4443	4.6661	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	24.4471	5.2454	0	0	7.8437	0	0	28.5788
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	32.7421	12.5868	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	24.5941	0	0	0	14.547	0	0	27.8483
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	22.6909	1.6424	0	0	7.5309	0	0	26.0225
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	28.7277	9.8544	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	30.8494	12.7558	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	4.3118	7.2794	0	0	0	0	0	48.1523
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	4.8579	5.3591	0	0	0	0	0	46.7295
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	2.0256	3.3961	0	0	20.3016	4.5481	2.7444	15.6115
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	3.4087	1.6958	0	0	18.9366	7.2166	2.9567	14.8472
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	3.2022	3.3048	0	0	19.2571	7.422	2.8343	15.0296
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	10.4071	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	15.6216	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	24.9098	5.5081	0	0	0	0	0	21.0766
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	18.207	2.7193	0	0	0	2.0948	0	19.6969
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	21.6641	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	31.1393	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	34.5265	0	0	0	0	0	0	18.5167
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	32.7185	0	0	0	0	0	0	16.4178
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	27.1824	0	0	0	0	0	0	20.4256
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	31.3824	0	0	0	0	0	0	16.0429
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	30.1779	0.076	0	0	0	0	0	16.1173
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	16.729	1.8035	0	0	0	0	0	21.2221
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	23.8412	0	0	0	0	0	0	10.7564
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	29.1114	0	0	0	0	0	0	13.6361
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	26.74	0.5183	0	0	0	0	0	19.4205
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	31.2766	0	0	0	0	0	0	16.9955
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	24.5312	0	0	0	0	1.8821	0	21.9636
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	27.2342	0	0	0	0	2.2403	0	19.1509
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	34.4603	0	0	0	0	0	0	15.9408
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	25.6301	0	0	0	0	1.8472	0	12.8652
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	37.5494	0	0	0	0	0	0	5.3389
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	31.1001	0	0	0	0	0	0	15.7183
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	24.2483	0	0	0	0	0	0	12.3255
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	26.9056	0	0	0	0	0	0	14.3659
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	21.1329	0	0	0	0	0	0	17.3038
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	39.4181	0	0	0	0	13.537	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	25.7985	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	21.0719	2.0669	0	0	0	1.6986	0	7.4582
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	25.4534	0	0	0	0	0	0	12.2543
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	26.598	0	0	0	0	0	0	10.311
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	33.4449	0	0	0	0	0	0	15.4754
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	24.9492	3.7035	0	0	0	0	0	9.8756
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	36.9162	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	26.5706	0	0	0	4.398	0	0	26.115
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	25.2528	0	0	0	4.6561	0	0	25.6199



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	iderophylli	Wonesite	romuscov	Aspidolite	Phlogopite	erophlago	Suhailite	Annite
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	17.0766	0	0	0	0	0	0	33.4168
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	26.777	0	0	0	3.2392	0	0	26.5887
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	16.4587	0.2155	0	0	0	0	0	29.5948
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	26.3629	0	0	0	3.2838	0	0	25.6969
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	25.5116	0	0	0	4.1123	0	0	26.3134
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	27.3179	0	0	0	0	0	0	29.2274
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	25.4584	0.6051	0	0	8.2145	0	0	23.5331
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	15.8289	3.7381	0	0	0	0	0	30.4421
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	22.5082	0	0	0	0	0	0	29.7803
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	26.2637	0	0	0	4.7269	0	0	27.0009
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	11.5066	4.1278	0	0	0	0	0	40.4841
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	27.601	0	0	0	4.1731	0	0	25.5647
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	28.0983	0	0	0	9.5628	0	0	25.5237
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	25.4183	0	0	0	4.7343	0	0	26.2351
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	27.4144	0	0	0	4.3921	0	0	28.0001
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	27.2927	0	0	0	4.1615	0	0	27.1548
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	27.8828	0	0	0	8.1821	0	0	25.9681
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	25.9718	0	0	0	3.6089	0	0	26.969
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	26.3216	0	0	0	0	0	0	27.9876
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	24.8748	0	0	0	0	0	0	28.1575
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	28.4899	0	0	0	10.1234	0	0	27.9574
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	35.5873	8.7371	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	24.2359	4.0554	0	0	11.3774	0	0	21.693
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	26.426	4.6877	0	0	12.4733	0	0	28.636
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	7.1262	3.4206	0	0	0	0	0	41.0391
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	24.0834	3.3213	0	0	13.4249	0	0	29.448
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	15.7466	1.5567	0	0	0	0	0	41.145
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	11.3275	2.3007	0	0	0	0	0	42.9559
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	22.5318	0	0	0	0	0	0	26.8788
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	28.1883	7.4603	0	0	0	0	0	27.9909
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	26.0724	0	0	0	4.2122	0	0	26.1353
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	16.8815	7.5232	0	0	0	0	0	40.3027
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	11.5736	1.8707	0	0	0	0	0	42.5356
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	20.5616	8.2962	0	0	0	0	0	39.2699
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	9	1.8466	0	0	0	0	0	45.706
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	37.8806	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	25.4189	0	0	0	4.5914	0	0	25.9066
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	26.4595	0	0	0	2.6247	0	0	26.8889
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	26.1901	1.9715	0	0	7.0111	0	0	23.9686
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	23.8103	2.2429	0	0	3.8957	0	0	25.5926
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	9.8532	1.5103	0	0	0	0	0	47.0259
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	11.9781	2.1941	0	0	0	0	0	45.1763
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	12.1211	2.2378	0	0	0	0	0	45.2941
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	16.9209	4.5539	0	0	0	0	0	35.7791
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	24.752	1.5105	0	0	2.9612	0	0	23.0711
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	32.1223	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	18.0326	2.2738	0	0	0	0	0	35.1313
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	16.1187	2.65	0	0	0	0	0	36.673
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	20.6243	3.0593	0	0	0	0	0	36.2107

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	iderophylli	Wonesite	romuscov	Aspidolite	Phlogopite	erophlogo	Suhailite	Annite
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	19.8214	2.5417	0	0	0	0	0	36.9595
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	15.3248	2.741	0	0	0	0	0	40.733
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	16.0906	2.3601	0	0	0	0	0	39.6689
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	27.1841	5.5725	0	0	0	0	0	31.8747
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	40.1879	1.6859	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	22.0864	6.0872	0	0	0	0	0	37.286
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	26.9617	5.2858	0	0	0	0	0	29.8933
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	39.9014	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	18.7591	3.9007	0	0	0	0	0	36.5094
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	25.7512	0	0	0	0	0	0	25.7154
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	19.473	1.6875	0	0	0	0	0	36.4245
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	24.8692	5.6903	0	0	0	0	0	35.2769
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	32.0978	10.1375	0	0	0	0	0	27.6297
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	20.5168	2.7466	0	0	0	0	0	36.5144
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	46.2886	7.4826	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	27.7914	0	0	0	0	0	0	18.5341
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	26.1493	4.1722	0	0	0	0	0	20.0029
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	23.047	0.9188	0	0	0	1.9645	0	14.1555
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	22.9491	2.537	0	0	0	1.224	0	14.5627
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	20.1749	0	0	0	0	4.0704	0	24.7427
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	49.3985	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	29.0659	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	23.8122	1.1461	0	0	0	0	0	19.801
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	22.4321	0	0	0	0	0	0	17.1043
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	21.5502	4.8232	0	0	0	0	0	24.7096
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	23.418	0	0	0	0	0	0	18.4502
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	36.8092	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	32.2696	0	0	0	0	0	0	20.7467
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	32.7696	0	0	0	0	0	0	21.8791
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	33.5276	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	21.3093	0	0	0	0	0.995	0	26.8474
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	22.1779	0	0	0	0	0.7923	0	25.6284
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	22.7055	0.9629	0	0	0	0	0	17.8841
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	21.1841	0.1833	0	0	0	1.4404	0	16.1004
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	21.3428	0	0	0	0	1.1193	0	15.7968





Reference	Sample	Country	Location1	id	id2	id3	Group	Point	lendricksit	frilithionite	Tobelite	Paragonite	Muscovite	Nanpingite	elasutomilit	Roscoelite
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	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_bt	1	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_bt	2	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_bt	3	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_bt	4	0	0	0	0	0.3114	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	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_bt	1	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_bt	2	0	0	0	0	11.9673	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	0	0	0	0	5.6433	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0	18.6242	0	0	12.2823	0	7.1931	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0	6.0802	0	0	22.3754	0	10.2787	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0	0	0	4.8766	0	2.343	18.4592	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0	0	0	0	25.5073	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0	0	0	1.3456	30.6992	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0	0	0	0	22.5985	0	2.2297	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0	0	0	0	10.5465	0	12.148	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0	0	0	0	0	0	12.4497	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0	0	0	3.8897	13.9214	0.7377	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0	0	0	3.6903	16.1141	0.3572	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0	0	0	3.1164	17.6513	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0	0	0	3.6535	17.4286	0.3006	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0	0	0	3.5238	16.795	0.5279	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0	0	0	2.1818	28.1962	0.6314	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0	0	0	2.6559	22.5739	0.3513	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0	0	0	2.819	19.4821	0.0397	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0	0	0	1.5863	15.462	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0	0	0	1.7983	14.2295	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0	0	0	2.3092	19.0488	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0	0	0	1.6373	19.1365	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0	0	0	1.7901	13.9583	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	0	0	3.4762	18.2513	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0	0	0	0	12.0603	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0	0	0	2.586	15.1185	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	0	0	2.4418	18.6661	0.0396	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0	0	0	2.8298	18.6319	0.2159	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	0	0	0	3.6993	23.9206	0.4429	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0	0	0	11.8626	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0	0	0	0	10.4638	0	12.4755	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0	0	0	0.9849	26.7398	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0	0	1.8973	20.6756	0.2933	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0	0	0	2.1905	21.5021	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0	0	0	2.0866	18.4183	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0	0	0	0.4998	24.8977	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0	0	0	0	3.8111	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0	0	0	0	5.6656	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	lendricksit	frilithionite	Tobelite	Paragonite	Muscovite	Nanpingite	elasutomilit	Roscoelite
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0	0	0	0	3.2079	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0	0	0	0	3.5594	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0	0	0	0	4.842	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0	0	0	0	0.6487	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0	0	0	0	0.3737	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0	0	0	0	2.111	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0	0	0	0	7.9429	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0	0	0	0	4.9204	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0	0	0	0	3.2059	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0	0	0	0	2.4289	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0	0	0	0	2.2961	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0	0	0	0	1.3111	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0	0	0	0	1.2522	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0	0	0	0	1.2239	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0	0	0	0	5.1781	0.2729	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0	0	0	0	9.0131	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0	0	0	0	4.2972	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0	0	0	0	10.6334	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0	0	0	0	12.3946	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0	0	0	0	8.6441	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0	0	0	0	2.6729	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0	0	0	0	0.952	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0	0	0	0	2.0277	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0	0	0	0	13.7635	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0	0	0	0	16.2006	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0	0	0	0	10.7526	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0	0	0	0	18.1205	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0	0	0	0	4.4002	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0	0	0	0	3.0593	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0	0	0	0	2.9049	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0	0	0	0	3.8124	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0	0	0	0	10.1452	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0	0	0	0	9.7448	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0	0	0	0	13.3556	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0	0	0	0	9.6428	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0	0	0	0	7.202	0.3813	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0.086	0	0	0	0	0	4.1407	0.1935
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0	0	0	0	13.764	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0	0	0	0	9.9292	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0	0	0	0	9.2242	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	lendricksit	frilithionite	Tobelite	Paragonite	Muscovite	Nanpingite	elasutomilit	Roscoelite
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	0	0	0	9.0694	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	0	0	0	12.4887	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0	0	0	0	12.5018	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0	0	0	0	11.5285	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0	0	0	0	6.7071	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0	0	0	0	0.8857	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0	0	0	0	0	0	1.8226	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	0	0	0	11.4296	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0	0	0	0	2.7141	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0	0	0	0	12.0261	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0	0	0	0	11.328	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0	0	0	0	7.9764	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0	0	0	0	10.245	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0	0	0	0	0	0	6.1056	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0	0	0	1.9168	8.3946	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0	0	0	0	8.9059	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0	0	0	1.3367	11.7665	0.3425	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	0	0	1.169	11.7346	0.3316	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0	0	0	0	11.9787	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0	0	0	0	0	0	9.4292	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0	0	0	0.949	10.226	0.5058	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0	0	0	1.4255	10.7966	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0	0	0	0	18.1643	1.1028	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0	0	0	1.8263	10.391	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0	0	0	0	1.6619	0	6.4759	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0	0	0	1.3718	7.9213	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0	0	0	1.2888	8.0102	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0	0	0	0.0905	11.7089	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0	0	0	0	11.4495	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0	0	0	0	10.2049	0.4672	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0	0	0	1.1531	10.5703	0.4366	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0	0	0	2.1329	10.5795	0.2463	0	0





Reference	Sample	Country	Location1	id	id2	id3	Group	Point	hromphylli	Fluorannite	tetraferriph	traferriann	anshiwei	Voloshinite	ngzhumin	Montdorite
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0.707	1.7882	0	0	0	0	0	4.9306
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0.9458	0	0	0	0	0	0	6.4849
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	1.0371	0	0	0	0	0	0	4.6748
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	1.1841	0	0	0	0	0	0	4.3576
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	1.6367	0	0	0	0	0	0	3.7395
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0	4.5995	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0.9903	0.0327	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0.2218	11.4707	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0	7.6035	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	1.4134	1.1484	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0.9054	0.4759	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	1.3375	9.0248	0	0	0	0	0	2.1678
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0.8508	6.2548	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0.7618	7.6531	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	13.9421	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0	13.0273	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0	0.7384	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0.0278	2.9242	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0.327	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_bt	4	0.6646	3.2798	0	0	0	0	0	4.1517
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0.5455	1.864	0	0	0	0	0	4.034
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0	0	0	0	0	0	0	3.7324
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0	1.3251	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0	0.3905	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0	5.3476	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0.3617	4.1899	0	0	0	0	0	4.2119
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.5713	0	0	0	0	0	0	4.1158
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0.5674	0.5508	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0.3063	2.9451	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0	0	0	0	0	0	0	3.2782
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.7468	0	0	0	0	0	0	3.204
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0	3.5351	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0.4495	0.8426	0	0	0	0	0	4.3281
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0.362	6.7579	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	1.3199	0	0	0	0	0	0	4.9579
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	4.2898	0	0	0	0	0	0	7.0802
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.973	0	0	0	0	0	0	3.7611
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	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_bt	2	0	8.7945	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.3657	1.193	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	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_bt	6	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_bt	1	0	7.763	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0.1079	7.5945	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	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_bt	4	0.3842	0	0	0	0	0	0	6.3876
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0.2696	4.2066	0	0	0	0	0	3.4402
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0	0.489	0	0	0	0	0	0









Reference	Sample	Country	Location1	id	id2	id3	Group	Point	olythioni	šokolovait	Kreiterite	ninocelad	duminocel	ganicelad	Celadonite	roceladon
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0	0	0	1.7785	5.6927	0	0	0.741
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	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_bt	2	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_bt	1	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_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0	0	0	0	0	0	4.3647	25.4779
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0	0	0	0	0	0	12.8457	11.5657
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0	0	0	0	0	0	9.8908	15.3357
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0	0	0	0	0	0	12.2618	20.0932
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0	0	0	0	0	0	13.3689	11.3925
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0	0	0.2336	0	0	0	12.8906	10.9454
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0	0	0	0	10.5385	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0	0	0	0	0	0	15.2163	8.9608
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0	0	0	0	0	0	11.969	14.0871
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	0	0	0	0	0	11.952	11.39
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	0	0	0	0	0	9.2732	15.5341
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0	0	0	0	0	0	9.8982	16.597
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0	0	0	0	0	0	12.0474	16.8789
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0	0	4.0575	0	0	0	16.0563	21.5532
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0	0	0	0	0	0	11.5818	16.4472
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0	0	0	0	11.8432	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0	0	0	0	12.4358	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	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_Bt	2	0	0	0	0	0	0	11.2269	15.8984
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0	0	0	0	0	0	12.7677	17.2522
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0	0	0.6557	0	0	0	12.4813	23.7339
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0	0	0	0	10.4846	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	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_Bt	2	0	0	0	0	0	0	10.6854	17.9218
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0	0	0	0	0	0	12.418	15.7148
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	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_Bt	5	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_Bt	1	0	0	0.9911	0	0	0	11.2264	25.4866
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0	0	0	1.2458	11.0734	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0	0	0	0	0	0	12.922	15.9195
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	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_Bt	5	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_Bt	6	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_bt	1	0	0	3.095	0	0	0	0	28.4264
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0	0	0	0	0	0	12.2213	22.3035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0	0	0	0	0	0	11.3088	22.4812
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0	0	0	0	0	0	11.1451	22.9408
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0	0	0.1823	0	0	0	0	21.2564
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0	0	0	0	0	0	12.363	19.8005
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0	0	0	0	0	0	12.7308	16.05
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0	0	0.2656	0	0	0	13.1091	26.2197
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	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_bt	5	0	0	0	0	9.2424	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0	0	0	0	0	0	13.3138	24.7967

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	olythioni	šokolovait	Kreiterite	ninocelad	duminocel	ganicelad	Celadon	terroceladon
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	0	0	1.4255	0	0	0	12.5116	23.1319
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	0	0	0	0	8.3166	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	0	0	0	0	0	8.3339	20.6802	
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0	0	0	0	6.293	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	0	0	0	0	12.5991	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	0	0	4.3557	0	0	0	5.4347	23.498
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	0	0	0	0	0	0	0	25.334
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	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_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0	0	0.6286	0	0	0	10.242	7.6613
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0	0	0.2959	0	0	0	9.5928	7.8984
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0	0	0.5482	0	0	0	9.6352	7.8947
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0	0	0	0	0	0	0	32.0412
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0	0	0	0	0	0	0	29.2711
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0	0	0	0	0	0	12.4841	17.6532
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0	0	0	0	0	0	0	33.1426
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0	0	0	0	0	0	0	31.1558
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0	0	0	0	0	0	10.7199	21.2505
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0	0	0	0	2.8695	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0	0	0	0	3.7015	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0	0	0	0	5.7465	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0	0	0	0	6.329	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0	0	0	0	10.522	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0	0	0	0	8.6911	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0	0	0	0	4.1083	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0	0	0	0	4.2675	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	0	0	0	7.408	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0	0	0	0	0	0	0	12.5066
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0	0	0	0	8.4142	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	0	0	0	9.1106	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0	0	0	0	8.6294	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0	0	0	0	0	0	0	24.5716
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0	0	0	0	0	0	0	31.222
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0	0	0	0	8.8757	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0	0	0	9.3075	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0	0	0	0	10.1754	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0	0	0	0	4.2888	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0	0	0	0	8.3808	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	0	0	0	0	0	0	11.6337	20.2403
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0	0	0	0	8.9303	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0	0	0	1.8907	11.2135	0	0	0





Reference	Sample	Country	Location1	id	id2	id3	Group	Point	olythioni	šokolovait	Kreiterite	ninocelad	duminocel	ganicelad	Celadon	terroceladon
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0	0	0	0	0	0	4.6439	32.9602
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0	0	0	0	10.6995	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0	0	0	0	0	0	0	36.4178
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0	0	0	0	9.8261	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0	0	0	0	0	0	0	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0	0	0	0	0	0	0	22.8785
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0	0	0	0	5.4905	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0	0	0	0	6.1545	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0	0	0	0	5.3418	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	0	0	0	5.9289	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0	0	7.9753	0	0	0	0	12.1133
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0	0	0	0	0	0	8.8288	18.5449
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0	0	0	0	10.0328	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0	0	0	0	8.5329	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0	0	0	0	9.2901	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0	0	0	0	0	0	2.7727	29.6969
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0	0	0	0	4.7302	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0	0	0	0	3.1669	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0	0	0	0	0	0	0	28.1742
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0	0	0	0	0	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0	0	0	0	8.5822	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0	0	0	0	8.1633	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0	0	0	0	9.7715	0	0	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Anandite	Orlovite	isorbunovite	cyphlogop	Norrishite	Balestraitite	Total
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	0	1.2198	0.2415	10.1656	0	0	99.7412
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0	1.1238	0.1647	8.7409	0	0	99.8107
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0	1.3726	0	8.2677	0	0	99.7019
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0.5441	6.435	0.3238	0	0	0	98.7838
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0	1.5217	0	9.9556	0	0	99.7925
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0	1.2367	0	7.6829	0	0	99.7228
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0	0	0	0	0	0	99.9367
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0	1.1762	0.1208	8.8568	0	0	99.7893
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0.796	5.6963	0.3302	0	0	0	99.0076
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0	2.2842	0	7.9818	0	0	99.906
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0	1.4767	0	9.6937	0	0	99.781
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.5852	6.1279	0	0	0	0	98.9712
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0	1.4149	0	9.2097	0	0	99.7869
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0	1.3012	0	8.6412	0	0	99.8045
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0	1.4463	0	8.5733	0	0	99.6965
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0	0.7714	0.6067	9.7463	0	0	99.7884
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0	1.6141	0	10.6945	0	0	99.742
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0	0.6818	0.4129	7.6256	0	0	99.8449
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0.4421	5.43	0	0	0	0	99.0579
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0	1.2066	0	7.4269	0	0	99.7364
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0	0	0	8.6897	0	0	100
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0	0	0	9.3049	0	0	100
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0	1.2435	0	7.5592	0	0	99.7795
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0	0.9701	0	5.9395	0	0	99.8194
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0.4706	5.4665	0	0	0	0	99.0335
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0	1.237	0.1249	9.2381	0	0	99.7912
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0	1.2095	0.2258	9.7654	0	0	99.7906
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0	0.5971	0.8248	10.3077	0	0	99.7727
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0	0.7793	0.507	8.9876	0	0	99.8157
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0	1.2834	0	10.0255	0	0	99.8225
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0	1.3896	0	8.4942	0	0	99.7095
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0	9.811	0.1975	0	0	0	98.0558
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0	7.0073	0	0	0	0	98.7058
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0.5488	6.5516	0	0	0	0	98.9041
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	1.0156	6.325	0.3385	0	0	0	98.9139
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0	1.5341	0	8.9999	0	0	99.6839
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0	1.4085	0	9.1289	0	0	99.7997
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0.4668	6.7708	0	0	0	0	98.7575
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0	1.3443	0	8.7758	0	0	99.8156
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	0	1.1653	0	7.1576	0	0	99.7086
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0	1.4503	0	9.4714	0	0	99.7925
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0	0.9688	0.6823	10.7881	0	0	99.6976
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0	7.1115	0.6	0	0	0	98.5107
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0	0.9437	0.6254	10.1762	0	0	99.7237
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0	1.5044	0.2164	10.6185	0	0	99.713
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0	0.7361	0.4961	8.0252	0	0	99.7763
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	0	3.9499	0	5.8146	0	0	100
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0	1.0923	0.545	11.4024	0	0	99.7556
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0	0	0	14.5676	0	0	98.8506

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Anandite	Orlovite	isorbunovity	cyphlogop	Norrishite	Balestraite	Total
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0.6419	6.6907	0.247	0	0	0	98.8393
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0	1.2557	0	8.1325	0	0	99.7382
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0	1.1913	0	7.7205	0	0	99.7787
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0	1.3296	0	8.5818	0	0	99.7245
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0	1.7812	0	10.9153	0	0	99.5889
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0.8121	1.7359	0	4.6962	0	0	100
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0	0	0	5.1429	0	0	99.7441
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	2.3819	0	0	5.3328	0	0	100
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0	0	0	5.836	0	0	100
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0	0	0.0799	5.6328	0	0	99.7638
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0	0	0	4.606	0	0	99.7833
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0	0	0.6444	4.3742	0	0	99.9169
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0	0	0.5876	3.633	0	0	99.8637
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0	0	0	5.7618	0	0	100
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	0.8145	2.1652	0	0	0	99.1017
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	0.2752	0	0	0	0	99.3106
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0	0.7396	0	0	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0	0	0.2316	5.0786	0	0	99.7338
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0	0	0	5.374	0	0	99.5319
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0	0	0.6753	5.4477	0	0	99.757
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0	0	0.895	6.2333	0	0	99.8747
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0	0	0.7842	5.6402	0	0	99.9
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0	0	1.1451	7.8183	0	0	99.635
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0	0	0.5486	4.7578	0	0	99.7264
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0	0	0	5.218	0	0	99.6637
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0.6635	0	0	5.3169	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0	0	0.7499	5.3866	0	0	99.9061
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.546	5.1783	0.6007	0	0	0	98.9293
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0	0	0	8.7184	0	0	99.4489
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0	0	0.6851	4.9349	0	0	99.7865
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0	0.1916	1.0511	8.2426	0	0	99.5886
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0	0	0.7253	5.4129	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.3055	0	0	4.4025	0	0	99.7368
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0	0	0.7575	5.4138	0	0	99.9107
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0	0	1.0395	4.8941	0	0	99.8574
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0	1.3679	0	8.9505	0	0	99.7093
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	7.971	0	0	20.9802	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.6228	7.2786	0	0	0	0	98.8746
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0	7.8537	0	0	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0	0.3109	0.662	0	0	0	99.3154
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0	0	0	9.956	0	0	99.9923
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0	3.9305	0	7.7892	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0	14.4927	0	5.6576	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0	0	2.1282	0	0	0	98.6148
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0	0.7774	2.3039	0	0	0	99.0592
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0	0	0	4.3307	0	0	99.9821
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0	0	0.7154	4.9199	0	0	99.9247
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0	2.921	0.9993	0	0	0	99.243
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0	0	0	6.3855	0	0	100

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Anandite	Orlovite	isorbunovite	cyphlogop	Norrishite	Balestraitite	Total
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	0	1.0889	0	3.78	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	0	0.5278	0.8657	9.7761	0	0	99.6562
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	1.2943	0	0	9.4121	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0.6604	6.626	0.4021	0	0	0	98.6783
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	0	0.8256	0.6215	9.7861	0	0	99.6605
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	0.9646	0.5979	0	9.4357	0	0	100
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	0	0	6.0179	0	0	0	98.314
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	0	0	1.0793	7.9759	0	0	99.7131
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	0.6977	6.2956	0.8868	0	0	0	98.6618
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0	0	0	4.0779	0	0	99.8171
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0	0	0	4.4379	0	0	99.7924
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0	0	0	4.2166	0	0	99.818
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0	0	0	1.6292	0	0	98.4234
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0	0	0	1.1071	0	0	97.5841
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	0	0	0	1.8098	0	0	99.445
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0	4.988	0	0	0	0	99.0621
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0	4.3791	0	0	0	0	99.1491
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0	0	0	1.5035	0	0	97.6248
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0	0	0	3.7747	0	0	97.7218
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0	0	0	5.0529	0	0	98.4677
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0	1.3674	0	8.1613	0	0	99.6792
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0	1.4093	0	8.1329	0	0	99.7048
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0.3672	5.0339	0	0	0	0	99.1038
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0	1.021	0	6.2908	0	0	99.8115
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0	1.0738	0	6.7784	0	0	99.7769
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0	1.0538	0	6.5802	0	0	99.7856
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0	0.9284	0	6.0275	0	0	99.8313
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0	0.9413	0	5.686	0	0	99.8478
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0.5276	6.1626	0.2594	0	0	0	98.8866
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0	1.3006	0	7.8246	0	0	99.7332
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0.39	5.2661	0.0139	0	0	0	99.0694
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0.2232	4.4138	0	0	0	0	99.2014
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0	1.025	0	6.0226	0	0	99.8065
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	4.3059	0	0	0	0	99.1595
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0.2855	5.8587	0	0	0	0	99.0127
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0	1.4975	0	8.2971	0	0	99.6951
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	1.1602	0	6.8937	0	0	99.7919
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0	1.063	0	6.7202	0	0	99.8062
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	0	1.2669	0	7.8759	0	0	99.7392
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	0	0	6.2925	0	0	0	95.6819
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0	0	0	4.3855	0	0	98.1558
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0	3.4915	0	0	0	0	99.3166
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0.8653	0	5.488	0	0	99.8069
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0	1.0489	0	6.1635	0	0	99.8345
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0	1.1433	0	6.5595	0	0	99.7804
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0	4.085	0	0	0	0	99.221
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	0	0	2.841	0	0	0	97.5146
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0	1.2954	0.1727	9.1677	0	0	99.73
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0	1.4531	0	8.8379	0	0	99.726

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Anandite	Orlovite	isorbunovite	cyphlogop	Norrishite	Balestraite	Total
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0.6169	7.6121	0.1358	0	0	0	98.6625
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0	1.7688	0	10.5646	0	0	99.7033
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.6182	6.9166	0.2901	0	0	0	98.7386
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0	1.5175	0.0124	9.3506	0	0	99.7264
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0	1.4143	0.1717	9.8437	0	0	99.7179
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0	1.9405	0	11.5837	0	0	99.6506
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.6862	7.0983	0.3121	0	0	0	98.7171
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.6849	6.2868	0.2864	0	0	0	98.867
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0	1.3276	0.3682	10.8669	0	0	99.6572
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0	1.6714	0	10.0729	0	0	99.6954
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0.6095	4.353	0.647	0	0	0	99.1762
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0	0.8749	0.4127	8.2523	0	0	99.773
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.4761	7.8106	0	0	0	0	98.5894
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0	1.0574	0.4027	9.3319	0	0	99.7345
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0	1.4345	0.1518	9.8951	0	0	99.7033
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0	1.607	0	9.7087	0	0	99.708
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.5546	7.2429	0.0562	0	0	0	98.7345
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0	1.7154	0.0578	10.8383	0	0	99.6755
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0	1.6175	0.1079	10.6117	0	0	99.6941
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0	1.5858	0.1886	10.9577	0	0	99.6841
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.4538	7.511	0	0	0	0	98.6894
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0	0	0	0	0	0	98.3083
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0.0934	0	0	0.0859	0	0	99.9987
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0	0.5308	0.1729	4.5294	0	0	99.8689
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.5171	3.2313	0.4466	0	0	0	99.4116
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0	0.6704	0	4.2161	0	0	99.8572
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0	1.5911	0	9.5138	0	0	99.6079
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0.4111	7.0229	0	0	0	0	98.6965
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0	0.9744	0.3928	8.7493	0	0	99.7523
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0	0	1.2552	9.0705	0	0	99.774
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0	1.5775	0	9.5831	0	0	99.7246
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0	0	0.8874	7.3283	0	0	99.8424
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0	1.0939	0	7.0509	0	0	99.7982
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0	0.9162	0	7.5116	0	0	99.8641
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0	1.0769	0	6.8237	0	0	99.7549
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0	0	0.59	7.0425	0	0	98.7003
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0	0.6339	0.3685	6.4561	0	0	99.8264
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0	0.8601	0.2638	7.1246	0	0	99.7984
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0	4.6235	0.2537	0	0	0	99.0664
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0	0.5292	0.3976	6.0395	0	0	99.8372
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0	5.149	0.2081	0	0	0	98.9506
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0.3491	5.1188	0.2804	0	0	0	98.9902
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0	1.078	0	6.9587	0	0	99.7656
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0	4.4891	0.4868	0	0	0	99.0921
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0	0.9232	0	6.0585	0	0	99.8253
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0	0	0	6.7347	0	0	98.6125
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0	1.1565	0	7.1635	0	0	99.8104
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0	5.1409	0.297	0	0	0	99.0057
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0	1.1896	0	7.6169	0	0	99.7946

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Anandite	Orlovite	torbunovite	cyphlogop	Norrishite	Balestraite	Total
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	1.1948	0	7.4632	0	0	99.7603
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	1.183	0	7.5937	0	0	99.7086
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0	1.1596	0	7.5519	0	0	99.7706
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0	0.702	0	8.8086	0	0	100
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0	0	0.9282	7.7047	0	0	99.504
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0	0.1308	0.9997	8.1031	0	0	99.8346
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0	0.199	0.9633	8.0692	0	0	99.8101
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0	0	0	7.413	0	0	99.2479
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	1.2214	0	7.6691	0	0	99.7722
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0	1.1204	0.2939	8.886	0	0	99.7549
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0	1.2684	0	8.0137	0	0	99.8109
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0	0.8734	0	8.7551	0	0	100
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0	6.1692	0	0	0	0	99.537
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0	1.2212	0	7.9612	0	0	99.782
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0	3.755	0	0	0	0	96.9925
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0	1.0333	0.2952	8.2554	0	0	99.7101
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.5412	4.9495	0.2105	0	0	0	99.0546
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0	0.786	0	5.1864	0	0	99.7771
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	0.7726	0	5.1926	0	0	99.7759
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0.4871	5.5296	0	0	0	1.4136	98.7972
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0	15.2924	0	0	0	0	99.2495
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0	0	0	8.4545	0	0	98.5121
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0	1.163	0	7.3868	0	0	99.7456
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0	0.9219	0.3084	7.6758	0	0	99.7273
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0	0.9477	0	6.6035	0	0	99.7938
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0	0.9611	0.2537	7.853	0	0	99.7438
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0	0	0	7.247	0	0	99.105
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0	1.7161	0	10.5055	0	0	99.6686
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0	1.7719	0	10.6216	0	0	99.6572
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0	8.8178	0	0	0	0	97.9126
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0.7401	8.049	0.027	0	0	0	98.5691
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.8807	7.7062	0.3014	0	0	0	98.5827
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0	1.0734	0	6.8732	0	0	99.7501
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0	1.0018	0	6.4189	0	0	99.7631
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0	1.0396	0	6.8782	0	0	99.7528

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	I_NH4	I_Na+	I_K+	I_Rb+	I_Cs+	I_Ca2+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	Decomposition	0	0.0024	0.0024	0	0.0024	0.0089
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	Residuals	0	0.0016	0.0016	0	0.0016	0.0072
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5		0	0.0024	0.0024	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1		0	0.0024	0.0032	0	0.0032	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2		0	-0.002	-0.002	0	0	0.0048
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3		0	0.0037	0.0048	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4		0	0.066	-0.0654	0	0	-0.0009
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5		0	0.0012	0.0012	0	0.0012	0.0068
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6		0	0.0033	0.0033	0	0.0033	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7		0	0.0343	0.0039	0	0	-0.0015
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1		0	-0.0027	-0.0027	0	0	0.0042
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2		0	-0.0007	-0.0007	0	0	-0.0015
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3		0	-0.004	-0.004	0	0	0.003
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4		0	-0.0011	-0.0011	0	0	0.0046
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5		0	-0.0002	-0.0002	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1		0	0.0061	0.0061	0	0.0061	0.0122
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2		0	-0.0028	-0.0028	0	0	0.0052
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3		0	0.0041	0.0041	0	0.0041	0.0083
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4		0	-0.002	-0.002	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5		0	0.0042	0.0042	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6		0	-0.0156	-0.0396	0	0	0.0411
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7		0	-0.0163	-0.0388	0	0	0.0397
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8		0	-0.0002	-0.0002	0	0	0.0056
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9		0	0	0	0	0	0.0046
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10		0	0.0001	0.0001	0	0.0001	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1		0	0.0012	0.0012	0	0.0012	0.0077
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2		0	0.0023	0.0023	0	0.0023	0.0084
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3		0	0.0107	0.0082	0	0.0082	0.014
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4		0	0.0051	0.0051	0	0.0051	0.0103
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5		0	-0.0008	-0.0008	0	0	0.0072
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1		0	-0.0049	0.0012	0	0	0.0085
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2		0	0.002	0.002	0	0.002	-0.0026
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3		0	-0.0034	-0.0034	0	0	-0.0047
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4		0	-0.0032	-0.0032	0	0	-0.0006
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5		0	0.0034	0.0034	0	0.0034	-0.0044
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1		0	-0.0028	-0.0028	0	0	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2		0	-0.0038	-0.0038	0	0	0.0028
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3		0	-0.0038	-0.0038	0	0	-0.0019
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1		0	-0.0022	-0.0022	0	0	0.004
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2		0	0.0084	0.0072	0	0	0.0132
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3		0	-0.0029	-0.0029	0	0	0.0038
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1		0	0.0068	0.0068	0	0.0068	0.0136
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2		0	0.0097	0.006	0	0.006	-0.004
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3		0	0.0063	0.0063	0	0.0063	0.0128
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4		0	0.0022	0.0022	0	0.0022	0.0098
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1		0	0.0048	0.005	0	0.005	0.0101
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1		0	0.0386	0.0093	0	0	-0.0033
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2		0	0.0055	0.0055	0	0.0055	0.0125
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3		0	-0.0098	-0.0929	0	0	0.0456

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	I_NH4	I_Na+	I_K+	I_Rb+	I_Cs+	I_Ca2+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4		0	0.0025	0.0025	0	0.0025	-0.0018
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1		0	0.0137	0.0093	0	0	0.0143
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2		0	0.0062	0.0057	0	0	0.011
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1		0	0.0039	0.005	0	0	0.0112
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2		0	0.0027	0.006	0	0	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2		0	0.0688	-0.0184	0	0	0.0808
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3		0.0182	0.0032	0.0182	0	0	0.0514
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4		0	0.0584	-0.0363	0	0	0.0374
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5		0	0.0418	-0.012	0	0	0.0623
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6		0.0165	0.0053	0.0165	0	0.0008	0.0441
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7		0.0169	0.0043	0.0169	0	0.0023	0.0465
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8		0	0.0266	0.0136	0	0.0064	0.0142
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9		0.019	0.019	0.019	0	0.0059	0.0382
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10		0.0955	0.0243	-0.0301	0	0	0.0246
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1		0	0.0154	0.0217	0	0.0217	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4		0	0.0755	-0.005	0	0	-0.001
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5		0	0.075	-0.0315	0	0	-0.0004
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1		0	0.0143	0.0189	0	0.0023	0.0424
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2		0	-0.0029	0.0162	0	0.0406	0.0767
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3		0.0161	0.0087	0.0161	0	0.0068	0.0398
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4		0	0.023	0.0126	0	0.009	0.0149
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5		0.0122	0.0228	0.0122	0	0.0078	0.0137
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1		0	0.0222	0.0134	0	0.0115	0.018
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2		0	0.0074	0.0175	0	0.0055	0.0451
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3		0	-0.0023	0.0186	0	0	0.0581
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4		0	0.0352	0.016	0	0.0066	0.0814
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6		0.0122	0.023	0.0122	0	0.0075	0.0136
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1		0	0.0108	0.006	0	0.006	-0.0064
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2		0	-0.0046	-0.0261	0	0	0.0504
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3		0.0147	0.0092	0.0147	0	0.0069	0.035
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4		0	0.0149	0.0105	0	0.0105	0.0166
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5		0.0073	0.0343	0.0071	0	0.0073	0.0014
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1		0	0.0515	0.0443	0	0.0099	0.0893
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2		0.012	0.0226	0.012	0	0.0076	0.0135
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3		0	0.0358	0.0203	0	0.0104	0.0252
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4		0	0.0091	-0.0001	0	0	0.0005
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5		0	0.0508	-0.11	0	0	-0.0018
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6		0	0.0079	-0.0102	0	0	-0.0016
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1		0	-0.0091	-0.0459	0	0.0309	-0.0055
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2		0	0.0471	0.0066	0	0.0066	0.0664
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4		0	-0.0084	-0.0613	0	0	0.0594
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5		0	-0.0028	-0.0197	0	0	0.0843
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6		0	-0.0062	-0.1058	0	0.0018	0.0632
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1		0	0.0422	0.0261	0	0.0213	-0.0108
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2		0	0.0283	0.023	0	0.023	0.0408
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3		0	0.0172	0.0155	0	0.0027	0.0684
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4		0	0.0238	0.0123	0	0.0072	0.0131
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5		0	0.02	0.01	0	0.01	-0.0007
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1		0	0.0151	-0.013	0	0	0.0574



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	I_NH4	I_Na+	I_K+	I_Rb+	I_Cs+	I_Ca2+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3		0	0.0153	-0.0142	0	0.0143	0.0687
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1		0	0.0114	0.0087	0	0.0087	0.0146
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2		0	0.0455	-0.0006	0	0	0.0541
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3		0	0.004	0.004	0	0.004	-0.0064
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4		0	0.0062	0.0062	0	0.0062	0.0124
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5		0	0.0361	0.0103	0	0.0436	0.1094
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1		0	0.0525	0.0504	0	0.0602	-0.0151
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2		0	0.0251	0.0145	0	0.0108	0.0185
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3		0	0.0154	0.0089	0	0.0089	0.0112
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2		0.0274	0.0079	0.0274	0	0.0063	0.0744
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3		0.0296	0.0021	0.0296	0	0.003	0.0866
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4		0.0283	0.0093	0.0283	0	0.0055	0.0757
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1		0	-0.0196	-0.0764	0	0	0.0603
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2		0	-0.0202	-0.1334	0	0	0.0916
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3		0	0.0234	-0.1421	0	0.0234	0.1106
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1		0	0.0037	-0.001	-0.0012	0	0.001
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2		0	0.0016	0.0016	-0.0004	0	0.0033
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3		0	0.0549	-0.1242	0	0	0.1203
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4		0	0.0031	-0.04	-0.0002	0	0.0776
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5		0	-0.0176	-0.0567	0.0152	0	0.1086
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1		0	0.0074	0.0074	0	0.0074	0.0076
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2		0	0.0036	0.0036	0	0.0036	0.0045
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3		0	-0.0021	-0.0021	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1		0	0.003	0.003	0	0.003	0.006
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2		0	0.0053	0.0053	-0.0008	0.0053	0.0096
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3		0	0.0063	0.0063	-0.0048	0.0063	0.0108
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4		0	0.0035	0.0035	0	0.0035	0.0074
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5		0	0.0004	0.0004	-0.0011	0.0004	0.0047
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1		0	0.0026	0.0026	0	0.0026	-0.0002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2		0	0.0001	0.0001	0	0.0001	0.0062
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3		0	0.0001	0.0001	0	0.0001	-0.0002
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1		0	-0.0042	-0.0042	0	0	-0.0012
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2		0	-0.0022	-0.0022	0	0	0.0027
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1		0	0.0012	0.0012	0	0	-0.0003
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2		0	-0.0064	-0.0064	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3		0	-0.0007	-0.0007	0	0	0.0013
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4		0	0.0004	0.0004	0	0.0004	0.0058
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5		0	0.0022	0.0022	0	0.0022	0.0068
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1		0	0.0044	0.0044	-0.002	0.0044	0.01
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2		0	0.0884	-0.1491	-0.0028	0.0629	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3		0	-0.0271	-0.0854	-0.0007	0	0.0736
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1		0	0.0014	0.0014	0	0	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2		0	0.0029	0.0029	0	0.0029	0.0067
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1		0	-0.0017	-0.0017	0	0	0.0033
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2		0	0.0011	0.0011	0	0	0.0033
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3		0	0.0016	0.0016	-0.001	0	0.0031
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1		0	-0.0154	0.0498	0	0.0284	-0.0034
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2		0	0.0017	0.0017	0	0.0017	0.0082
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3		0	-0.0002	-0.0002	0	0	0.0069

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	I_NH4	I_Na+	I_K+	I_Rb+	I_Cs+	I_Ca2+
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1		0	0.0014	0.0014	0	0.0014	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2		0	-0.0017	-0.0017	0	0	0.0065
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1		0	0.0029	0.0029	0	0.0029	-0.0007
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2		0	0.0001	0.0001	0	0.0001	0.0071
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3		0	0.0017	0.0017	0	0.0017	0.0088
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4		0	-0.0023	-0.0023	0	0	0.0073
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5		0	0.0031	0.0031	0	0.0031	-0.0007
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1		0	0.0029	0.0029	0	0.0029	-0.0003
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2		0	0.0037	0.0037	0	0.0037	0.0112
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3		0	-0.002	-0.002	0	0	0.0058
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1		0	0.0118	0.0065	0	0.0065	-0.0009
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2		0	0.0041	0.0041	0	0.0041	0.0096
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3		0	-0.0019	-0.0019	0	0	-0.0034
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1		0	0.004	0.004	0	0.004	0.0103
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2		0	0.0015	0.0015	0	0.0015	0.0086
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3		0	-0.0016	-0.0016	0	0	0.0059
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1		0	0.0006	0.0006	0	0.0006	-0.0004
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2		0	0.0006	0.0006	0	0.0006	0.0088
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3		0	0.0011	0.0011	0	0.0011	0.0089
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4		0	0.0019	0.0019	0	0.0019	0.0101
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5		0	-0.005	-0.005	0	0	-0.0002
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1		0	0.0341	0.076	0	0.0655	-0.0025
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2		0	0.004	0.0018	0	0.0018	0.0015
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3		0	0.0008	0.0017	0	0.0017	0.0044
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4		0	0.0086	0.0045	0	0.0045	-0.0005
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5		0	0.0007	0.0016	0	0	0.0042
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1		0	-0.007	0.001	0	0	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2		0	-0.0045	-0.0003	0	0	-0.0014
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2		0	0.0039	0.0039	0	0.0039	0.0098
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3		0	0.0213	0.0128	0	0.0126	0.0171
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4		0	-0.0002	-0.0002	0	0	0.007
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1		0	0.0225	0.0073	0	0.0089	0.0112
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2		0	0.004	0.0043	0	0	0.0088
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3		0	0.0205	-0.0024	0	0	0.0032
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4		0	0.0006	0.0033	0	0	0.0092
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5		0	-0.0217	-0.0002	0	0.0059	0.096
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1		0	0.0037	0.0037	0	0.0037	0.0079
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2		0	0.0026	0.0026	0	0.0026	0.0075
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3		0	0.0035	0.0025	0	0.0025	-0.0008
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4		0	0.0041	0.004	0	0.004	0.0078
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1		0	0.0014	0.0021	0	0.0021	-0.0018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2		0	0.0024	0.0028	0	0.0028	-0.0027
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3		0	0.0037	0.0046	0	0	0.0101
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1		0	0.01	0.0049	0	0.0049	-0.0034
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2		0	0.0038	0.0038	0	0.0038	0.0076
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3		0	-0.0111	-0.0527	0	0.0254	0.0816
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4		0	-0.0011	0.0017	0	0	0.0062
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5		0	0.0054	0.003	0	0.003	-0.0026
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1		0	0.0036	0.0041	0	0	0.0087

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	Group	I_NH4	I_Na+	I_K+	I_Rb+	I_Cs+	I_Ca2+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2		0	0.006	0.0055	0	0	0.0106
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3		0	0.0091	0.0074	0	0	0.0131
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4		0	0.0049	0.005	0	0	0.0099
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5		0	0.0208	-0.0407	0	0	0.0108
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1		0	0.0003	0.0231	0	0.0093	0.0488
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2		0	0.0166	0.01	0	0.01	0.0134
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3		0	0.015	0.0096	0	0.0096	0.0139
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4		0	-0.0154	-0.0056	0	0	0.0459
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1		0	0.0071	0.0059	0	0	0.0106
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2		0	0.0029	0.0029	0	0.0029	0.0091
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3		0	0.0038	0.0042	0	0	0.0088
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1		0	0.0204	-0.0223	0	0	0.0123
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2		0	0.0396	-0.0762	0	0	-0.0051
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3		0	0.006	0.0053	0	0	0.0099
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1		0	0.0178	-0.0041	0	0	-0.002
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2		0	0.003	0.003	0	0.003	0.009
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3		0	0.0022	0.0021	0	0.0021	-0.0017
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1		0	0.0034	0.0034	0	0.0034	0.0069
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2		0	0.0033	0.0033	0	0.0033	0.0066
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3		0	-0.0026	-0.0026	0	0	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4		0	-0.0224	-0.1239	0	0.0798	-0.0117
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5		0	-0.0088	-0.0344	0	0	0.0637
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1		0	0.0051	0.0051	0	0.0051	0.0101
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2		0	0.0031	0.0031	0	0.0031	0.0086
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3		0	0.0128	0.011	0	0.011	0.0117
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4		0	0.0025	0.0025	0	0.0025	0.0078
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5		0	-0.0116	-0.0227	0	0	0.0408
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1		0	-0.0011	-0.0011	0	0	0.0068
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2		0	-0.004	-0.004	0	0	0.0044
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3		0	0.0032	-0.0794	0	0	0.0943
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4		0	0.0003	0.0003	0	0.0003	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5		0	0.003	0.003	0	0.003	-0.0016
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1		0	0.0047	0.0047	0	0.0047	0.0093
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2		0	0.0044	0.0044	0	0.0044	0.0087
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3		0	0.0025	0.0025	0	0.0025	0.0069

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+	M_V3+
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	2	0.0089	0.0292	0.013	-0.0019	0.013	0	0.0194	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0.0072	0.0258	0.0111	0.0023	0.0111	0	0.0167	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0.0097	0.0275	0.0146	-0.003	0.0146	0	0.0219	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0.0073	0.1352	0.0042	0.001	0.0042	0	0.0083	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0.0048	0.0304	0.0137	0.0044	0.0137	0	0.0206	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0.0107	0.0247	0.0118	0.0048	0.0118	0	0.0177	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0.0968	0	-0.1334	-0.0156	-0.1334	0	0.3287	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0.0068	0.0259	0.0111	0.0038	0.0111	0	0.0166	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	-0.0029	0.1205	0.0062	-0.0063	0.0062	0	0.0094	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	-0.0058	0.0457	0.0247	-0.0047	0.0247	0	-0.0019	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0.0042	0.0295	0.0139	0	0.0139	0	0.0209	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.0017	0.1226	0.0049	0.0049	0.0049	0	0.0073	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.003	0.0283	0.014	-0.0041	0.014	0	0.0211	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0.0046	0.026	0.0113	0.0058	0.0113	0	0.017	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0.0076	0.0289	0.0155	-0.001	0.0155	0	0.0233	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0.0122	0.0276	0.0122	-0.0077	0.0122	0	0.0183	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0.0052	0.0323	0.0161	-0.0079	0.0161	0	0.0241	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0.0083	0.0219	0.0083	0.0074	0.0083	0	0.0124	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0.0007	0.1086	0.0053	0.0053	0.0053	0	0.0079	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0.0102	0.0241	0.0119	0.0018	0.0119	0	0.0179	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0.0411	-0.0052	-0.0674	-0.0114	-0.0637	0	0.1732	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0.0397	-0.0055	-0.0536	-0.008	-0.0508	0	0.1594	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0.0056	0.0249	0.0115	0.0106	0.0115	0	0.0172	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0.0046	0.0194	0.0091	0.007	0.0091	0	0.0136	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0.0025	0.1095	0.0048	0.0048	0.0048	0	0.0073	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0.0077	0.0272	0.0128	-0.006	0.0128	0	0.0192	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0.0084	0.0287	0.0122	0.0031	0.0122	0	0.0184	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0.014	0.0284	0.0115	-0.0031	0.0115	0	0.0173	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0.0103	0.0257	0.0104	0.0026	0.0104	0	0.0155	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0.0072	0.0257	0.0159	-0.0122	0.0159	0	0.0239	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0.0085	0.0278	0.0146	-0.0027	0.0146	0	0.0219	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0.0062	0.2002	0.0085	-0.0013	0.0085	0	0.0128	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	-0.0007	0.1401	0.0055	0.0055	0.0055	0	0.0082	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	-0.0001	0.131	0.0061	0.0004	0.0061	0	0.0092	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	-0.006	0.1333	0.0071	-0.0014	0.0071	0	0.0106	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0.0053	0.0307	0.0163	0.0026	0.0163	0	0.0245	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0.0028	0.0282	0.0132	0.0028	0.0132	0	0.0197	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	-0.0017	0.1354	0.0088	-0.0062	0.0088	0	0.0132	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0.004	0.0269	0.0123	0.0027	0.0123	0	0.0185	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	-0.0073	0.0233	0.012	-0.002	0.012	0	0.018	0
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0.0038	0.029	0.0134	0.0023	0.0134	0	0.0201	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0.0136	0.033	0.0136	0.0136	0.0136	0	0.0205	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0.0083	0.1542	0.0045	0.0045	0.0045	0	0.0068	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0.0128	0.0314	0.013	0.013	0.013	0	0.0195	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0.0098	0.0344	0.0153	0.0153	0.0153	0	0.0229	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0.0101	0.0246	0.0102	0.0102	0.0102	0	0.0153	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	-0.0054	0.079	0.0273	0.0385	-0.1017	0	0.0563	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0.0125	0.0327	0.014	-0.0022	0.014	0	0.021	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0.0455	0.0267	0.046	0.0067	0.0459	0	0.1044	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+	M_V3+
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	4	0.0049	0.1388	0.0049	0.0049	0.0049	0	0.0074	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	-0.0001	0.0251	0.01	0.014	0.01	0	0.0149	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0.011	0.0238	0.0105	0.0049	0.0105	0	0.0157	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0.0112	0.0266	0.0123	0.0027	0.0123	0	0.0185	0
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0.0153	0.0356	0.0185	-0.0032	0.0185	0	0.0278	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0.0809	-0.1418	-0.0921	-0.0071	-0.0927	0	0.1896	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0.0514	0	-0.0052	-0.0085	-0.0052	0	0.028	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0.0374	-0.0106	-0.0796	-0.0075	-0.0815	0	0.1568	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0.0623	-0.0064	-0.0669	-0.0066	-0.067	0	0.1481	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0.0441	0.0016	-0.0028	-0.0064	-0.0028	0	0.0249	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0.0465	0.0047	-0.0052	-0.0074	-0.0052	0	0.0243	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0.0142	0.0129	0.0012	0.0012	0.0012	0	0.0018	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0.0382	-0.0029	-0.0059	-0.003	-0.0059	0	0.0132	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0.0246	0	-0.057	-0.0097	-0.0584	0	0.115	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0.0496	0.0459	-0.0062	-0.0112	-0.0062	0	0.0217	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	-0.0013	0.0055	-0.0642	-0.0098	-0.0642	0	0.186	0
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0.0172	-0.0008	-0.0708	-0.0109	-0.0711	0	0.1603	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0.0424	0.0039	-0.002	-0.0178	-0.002	0	0.0215	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0	-0.026	-0.0101	-0.0114	-0.0101	0	0.0679	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0.0352	0.0018	-0.0005	-0.0197	-0.0005	0	0.0231	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0.0149	0.0179	0.0045	0.0045	0.0045	0	0.0068	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0.0137	0.0157	0.0031	0.0031	0.0031	0	0.0047	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0.018	0.0229	0.0093	0.0014	0.0093	0	0.0139	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0.0451	-0.002	-0.0029	-0.0167	-0.0029	0	0.0247	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0.0581	-0.0004	-0.0049	-0.0195	-0.0049	0	0.0346	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0.0133	-0.0437	-0.0344	-0.0172	-0.0348	0	0.0952	0.0168
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0.0136	0.015	0.0027	0.0027	0.0027	0	0.0041	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.0083	0.1156	0.004	0.0005	0.0042	0	0.0062	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0.0504	-0.0149	0.0042	-0.0175	0.0042	0	0.0807	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0.035	0.0023	-0.0009	-0.0178	-0.0009	0	0.0194	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0.0166	0.0249	0.0122	-0.0017	0.0122	0	0.0183	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.0151	0.0145	0.0016	-0.0014	0.006	0	0.0095	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.0097	0.004	-0.0186	-0.014	-0.0186	0	0.0342	0.0158
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0.0135	0.0152	0.0029	0.0029	0.0029	0	0.0043	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0.0252	0.0118	0	-0.0159	0	0	0.0049	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0.0103	0.0274	0.0109	0.0039	0.0142	0	0.0213	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	0.074	0	-0.0613	0.0188	-0.1227	0	0.2704	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.0014	0.1456	0.0033	-0.0035	0.01	0	0.015	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0.1659	-0.0393	-0.0774	-0.0178	-0.0776	0	0.1341	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	-0.0014	0.0195	-0.0431	-0.0138	-0.0431	0	0.1103	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.0594	-0.0612	-0.0296	-0.0197	-0.0296	0	0.1828	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0.0483	-0.1118	-0.0542	-0.0187	-0.0547	0	0.1818	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0.1588	-0.1381	-0.0489	-0.0173	-0.0495	0	0.2146	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	-0.001	0.0279	-0.0272	-0.0174	-0.0272	0	0.1174	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	-0.0031	0.0607	-0.004	-0.0162	-0.004	0	0.0138	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0.0608	-0.0297	-0.0253	-0.0165	-0.0253	0	0.0669	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0.0131	0.0143	0.0016	0.0106	0.0016	0	0.0023	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0.01	0.0784	0	0	0	0	0	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0.0574	-0.065	-0.0448	-0.0181	-0.0455	0	0.1268	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+	M_V3+
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	3	0.0633	-0.1039	-0.062	-0.0176	-0.0647	0	0.1428	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	0.0146	0.0279	0.0119	0.002	0.0119	0	0.0179	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	0.0118	-0.0055	-0.0331	-0.013	-0.0343	0	0.1113	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0.005	0.1406	0.0068	-0.0021	0.0068	0	0.0102	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	0.0124	0.0289	0.0124	0.0073	0.0124	0	0.0186	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	0.0195	-0.096	-0.053	-0.0162	-0.0535	0	0.1544	0.0232
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	0.0236	-0.067	-0.0639	-0.0196	-0.0639	0	0.2031	0.051
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	0.0185	0.0216	0.0079	-0.0115	0.0079	0	0.0118	0
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	0.0112	0.1436	0.0047	-0.0043	0.0047	0	0.0071	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	0.0744	0.002	-0.0172	-0.0097	-0.0172	0	0.0298	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	0.0866	0.0029	-0.0209	-0.0077	-0.0209	0	0.0362	0
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	0.0757	0.0025	-0.0179	-0.0079	-0.0179	0	0.0295	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	0.0519	0.1367	0.0643	0.0615	0.0615	0	-0.0136	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	0.0663	0.194	0.0981	0.0897	0.0897	0	-0.0147	0
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	-0.0007	0.1554	0.076	0.1732	0.076	0	-0.1007	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	-0.0002	0.0998	0.0024	0.0054	0.0039	0	0.0059	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	-0.001	0.0876	0.0033	0.0033	0.0033	0	0.0049	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	0.0243	0.0754	0.1318	0.0143	0.0296	0	-0.001	0.052
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	0.0141	0.1188	0.0906	0.1114	0.0684	0	-0.025	0.0289
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	0.0064	0.1155	0.064	0.1138	0.064	0	-0.0373	0.0138
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	-0.0003	0.0273	0.0138	0.0085	0.0112	0	0.0167	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0.0019	0.0282	0.0146	0.0095	0.0121	0	0.0181	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0.0024	0.1007	0.0045	0.0045	0.0045	0	0.0068	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0.0053	0.0204	0.0094	0.008	0.0087	0	0.013	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0	0.0215	0.0094	0.0091	0.0092	0	0.0138	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	-0.0001	0.0211	0.0093	0.0085	0.0089	0	0.0134	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0.0074	0.0186	0.0077	0.0077	0.0077	0	0.0116	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0.0047	0.0188	0.0085	0.0085	0.0085	0	0.0128	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0.0053	0.1284	0.0052	0.0052	0.0052	0	0.0078	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0	0.026	0.0122	0.0122	0.0122	0	0.0182	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0.0039	0.1056	0.0045	0.0045	0.0045	0	0.0067	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0.0022	0.0883	0.0042	0.0042	0.0042	0	0.0062	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0	0.0205	0.0099	0.0099	0.0099	0	0.0148	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0	0.0861	0.0034	0.0034	0.0034	0	0.005	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0.0029	0.1172	0.0047	0.0047	0.0047	0	0.0071	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	-0.0011	0.03	0.0162	0.0113	0.0137	0	0.0206	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0	0.0232	0.0108	0.0108	0.0108	0	0.0162	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0.0068	0.0213	0.0092	0.0092	0.0092	0	0.0139	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	-0.0005	0.0253	0.0112	0.0112	0.0112	0	0.0169	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	-0.0027	0.0983	0.2013	-0.0137	0.1658	0	-0.081	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	0.0613	0.1193	0.0769	0.1104	0.0739	0	-0.0113	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	-0.0015	0.0698	0.0028	0.0028	0.0028	0	0.0042	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0	0.0173	0.0076	0.0076	0.0076	0	0.0114	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0.0033	0.021	0.0099	0.0099	0.0099	0	0.0148	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0.0019	0.0229	0.0117	0.0088	0.0102	0	0.0153	0
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	-0.0022	0.0817	0.0031	0.0031	0.0031	0	0.0047	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	-0.0017	0.0549	-0.026	-0.0107	-0.026	0	0.1548	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0.0082	0.0294	0.013	0.013	0.013	0	0.0195	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0.0069	0.0291	0.0143	0.0058	0.0143	0	0.0214	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+	M_V3+
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0.0047	0.155	0.0067	0.0067	0.0067	0	0.0101	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0.0065	0.0354	0.0165	0.0165	0.0165	0	0.0247	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.0058	0.1441	0.0058	0.0058	0.0058	0	0.0087	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0.0071	0.0306	0.0139	0.0139	0.0139	0	0.0209	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0.0088	0.0317	0.0141	0.0141	0.0141	0	0.0212	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0.0073	0.0388	0.0192	0.0098	0.0192	0	0.0288	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.0044	0.1482	0.0062	0.0062	0.0062	0	0.0094	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.0024	0.1315	0.0057	0.0057	0.0057	0	0.0086	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0.0112	0.0339	0.0151	0.0111	0.0151	0	0.0227	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0.0058	0.0334	0.0156	0.0156	0.0156	0	0.0234	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0.0061	0.1	0.0022	0.0097	0.0022	0	0.0034	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0.0096	0.0258	0.0109	0.0109	0.0109	0	0.0163	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.0034	0.1562	0.0084	0.0001	0.0084	0	0.0125	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0.0103	0.0292	0.0125	0.0125	0.0125	0	0.0187	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0.0086	0.0317	0.0141	0.0141	0.0141	0	0.0212	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0.0059	0.0321	0.0149	0.0149	0.0149	0	0.0224	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.0044	0.146	0.0064	0.0064	0.0064	0	0.0097	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0.0075	0.0355	0.0164	0.0138	0.0164	0	0.0246	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0.0089	0.0345	0.0157	0.0142	0.0157	0	0.0235	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0.0101	0.0355	0.0165	0.0108	0.0165	0	0.0247	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.0024	0.1502	0.0073	0.0073	0.0073	0	0.0109	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	-0.0007	-0.0264	-0.0581	-0.0186	-0.0581	0	0.2055	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0.0009	0	-0.0007	-0.0007	-0.0007	0	-0.001	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0.0044	0.0141	0.0054	0.0114	0.0054	0	0.0081	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.0048	0.0736	0.0007	0.0135	0.0007	0	0.0011	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	-0.0002	0.0134	0.0051	0.0135	0.0051	0	0.0076	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0.0099	0.0318	0.0179	-0.0072	0.0179	0	0.0269	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0.0041	0.1405	0.0078	-0.005	0.0078	0	0.0117	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0.0098	0.0273	0.0117	0.0117	0.0117	0	0.0175	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0.0171	0.0251	0.0085	0.0085	0.0085	0	0.0128	0
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0.007	0.0316	0.0144	0.0144	0.0144	0	0.0216	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0.0182	0.0177	0.0054	0.0019	0.0077	0	0.0116	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0.0088	0.0219	0.0091	0.0104	0.0091	0	0.0136	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0.0219	0.0183	0.0051	-0.0036	0.0113	0	0.017	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0.0092	0.0215	0.0118	-0.0101	0.0118	0	0.0177	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	-0.0009	-0.0096	0.0215	-0.0269	0.0215	0	0.0653	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0.0079	0.02	0.0084	0.0084	0.0084	0	0.0126	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0.0075	0.0225	0.0097	0.0097	0.0097	0	0.0146	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0.0041	0.0975	0.0031	0.0031	0.0031	0	0.0047	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0.0078	0.0185	0.0076	0.0076	0.0076	0	0.0115	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0.0049	0.1071	0.0056	-0.0089	0.0056	0	0.0084	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0.0035	0.108	0.0064	-0.0097	0.0064	0	0.0097	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0.0101	0.0216	0.0111	-0.0066	0.0111	0	0.0166	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0.0046	0.0995	-0.0005	0.0256	-0.0005	0	-0.0008	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0.0076	0.0185	0.0076	0.0076	0.0076	0	0.0114	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0	0.0338	0.0383	0.0159	0.0383	0.0026	0.0654	0.0039
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0.0062	0.0231	0.009	0.0207	0.009	0	0.0135	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0.0035	0.1088	0.0011	0.0222	0.0011	0	0.0016	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0.0087	0.0238	0.0092	0.0173	0.0092	0	0.0138	0

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	I_Ba2+	M_Li+	M_Mg2+	M_Mn2+	M_Fe2+	M_Zn2+	M_Al3+	M_V3+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	0.0239	0.0102	0.0124	0.0102	0	0.0153	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	0.0237	0.0114	-0.0001	0.0114	0	0.0171	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0.0099	0.0232	0.01	0.0075	0.01	0	0.0149	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0.0318	0.014	-0.0077	0.0143	0.0104	0	0.0204	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0.0302	0.0179	0.0106	-0.0168	0.0106	0	0.0162	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0.0178	0.0226	0.0068	0.0157	0.0068	0	0.0103	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0.0139	0.0232	0.0085	0.0085	0.0085	0	0.0127	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0.0658	0.0182	0.0169	-0.001	0.0106	0	0.0408	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	0.0244	0.0094	0.0199	0.0094	0	0.0141	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0.0091	0.0283	0.0123	0.0123	0.0123	0	0.0185	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0.0088	0.0254	0.0093	0.023	0.0093	0	0.0139	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0.0266	0.0175	-0.002	0.0131	0.0125	0	0.0183	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0.0457	0.1234	-0.0308	0.0232	0.0084	0	0.0127	0
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0.0099	0.0244	0.0092	0.0175	0.0092	0	0.0138	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	-0.0004	0.1267	0.0007	0.0382	0.0746	0	0.0588	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	-0.001	0.0266	0.012	0.012	0.012	0	0.018	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.0039	0.1032	0.004	0.004	0.004	0	0.0059	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	-0.0018	0.0157	0.0069	0.0069	0.0069	0	0.0103	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	0.0155	0.0066	0.0066	0.0066	0	0.0099	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0.002	0.1389	0.0067	0.0067	0.0067	0	0.01	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0.0998	-0.0356	-0.043	-0.0214	-0.043	0	0.1807	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	-0.002	0.0841	0.0526	0.0676	0.0526	0	0.0061	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	-0.0008	0.0233	0.0101	0.0101	0.0101	0	0.0152	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	-0.0013	0.0246	0.0111	0.0111	0.0111	0	0.0166	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0.0105	0.019	0.0075	0.0051	0.0063	0	0.0094	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0.0078	0.0243	0.0105	0.0105	0.0105	0	0.0158	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0.0408	0.0508	0.0332	0.0459	0.0332	0	0.003	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0.0068	0.0343	0.0158	0.0158	0.0158	0	0.0237	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0.0044	0.0354	0.0168	0.0168	0.0168	0	0.0253	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	-0.0038	0.1674	0.0243	-0.0265	0.0656	0	0.0038	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0.0032	0.1615	0.0072	0.0072	0.0072	0	0.0108	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.0029	0.1602	0.0069	0.0069	0.0069	0	0.0103	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	-0.0012	0.0215	0.0093	0.0093	0.0093	0	0.014	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	-0.0015	0.02	0.0087	0.0087	0.0087	0	0.0131	0
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0.0069	0.0208	0.0089	0.0089	0.0089	0	0.0134	0



Reference	Sample	Country	Location1	id	id2	id3	Group	Point	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_bt	2	0.0194	0	0.0194	-0.0725	0	0	0	-0.0084
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0.0167	0	0.0167	-0.063	0	0	0	-0.0066
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0.0219	0	0	-0.0601	0	0	0	-0.0096
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0.0064	0	0.0044	-0.1087	0	0	0	-0.0291
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0.0206	0	0.0206	-0.0716	0	0	0	-0.0076
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0.0177	0	0	-0.0553	0	0	0	-0.0085
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	-0.0045	0	-0.0699	-0.1538	0	0	0	-0.0676
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0.0166	0	0.0166	-0.0631	0	0	0	-0.007
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0.0094	0	0.0094	-0.0968	0	0	0	-0.0254
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0.0371	0	0	-0.0596	0	0	0	0.0114
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0.0209	0	0.0209	-0.0695	0	0	0	-0.0079
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.0073	0	0.0073	-0.0971	0	0	0	-0.0247
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0.0211	0	0.0211	-0.0661	0	0	0	-0.0078
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0.017	0	0.017	-0.0615	0	0	0	-0.0067
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0.0233	0	0	-0.0619	0	0	0	-0.0099
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0.0183	0	0.0183	-0.0715	0	0	0	-0.0073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0.0241	0	0.0241	-0.0769	0	0	0	-0.0092
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0.0124	0	0.0124	-0.055	0	0	0	-0.0052
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0.0079	0	0	-0.0851	0	0	0	-0.0224
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0.0179	0	0	-0.0538	0	0	0	-0.0083
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	-0.0072	0	-0.0322	-0.0549	0	0	0	-0.0308
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	-0.0024	0	-0.0329	-0.0615	0	0	0	-0.0319
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0.0172	0	0	-0.054	0	0	0	-0.0073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0.0136	0	0	-0.0424	0	0	0	-0.0059
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0.0073	0	0	-0.0861	0	0	0	-0.0228
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0.0192	0	0.0192	-0.0671	0	0	0	-0.0074
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0.0184	0	0.0184	-0.0705	0	0	0	-0.0072
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0.0173	0	0.0173	-0.075	0	0	0	-0.0074
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0.0155	0	0.0155	-0.0653	0	0	0	-0.0063
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0.0239	0	0.0239	-0.0751	0	0	0	-0.0075
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0.0219	0	0	-0.0614	0	0	0	-0.0095
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0.0128	0	0	-0.1598	0	0	0	-0.041
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0.0082	0	0.0082	-0.1114	0	0	0	-0.0273
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0.0092	0	0.0092	-0.104	0	0	0	-0.0262
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	0.0106	0	0.0106	-0.1057	0	0	0	-0.0286
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0.0245	0	0	-0.0642	0	0	0	-0.0104
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0.0197	0	0.0197	-0.0652	0	0	0	-0.0073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0.0132	0	0	-0.1058	0	0	0	-0.0294
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0.0185	0	0.0185	-0.0631	0	0	0	-0.0068
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	0.018	0	0	-0.0523	0	0	0	-0.0088
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0.0201	0	0.0201	-0.0678	0	0	0	-0.0075
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0.0205	0	0	-0.0775	0	0	0	-0.0095
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0.0068	0	0	-0.1242	0	0	0	-0.0309
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0.0195	0	0	-0.0734	0	0	0	-0.0088
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0.0229	0	0	-0.0766	0	0	0	-0.0096
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0.0153	0	0	-0.0577	0	0	0	-0.007
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	0.0701	0	0	-0.0763	0	0	0	0.1297
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0.021	0	0.021	-0.083	0	0	0	-0.0084
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0.0288	0	-0.1272	-0.1124	0	0	0	-0.0924

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	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_5_bt	4	0.0074	0	0.0074	-0.1111	0	0	0	-0.0277
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0.0149	0	0	-0.0586	0	0	0	-0.0077
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0.0157	0	0	-0.0562	0	0	0	-0.007
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0.0185	0	0	-0.0618	0	0	0	-0.0086
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0.0278	0	0	-0.0792	0	0	0	-0.0129
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	-0.026	0	-0.076	-0.0297	0	0	0	-0.0414
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	-0.0078	0	-0.0435	-0.0411	0	0	0	-0.0217
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	-0.0129	0	-0.0268	-0.0345	0	0	0	-0.0293
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	-0.0284	0	-0.0671	-0.0427	0	0	0	-0.0373
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	-0.0042	0	-0.0332	-0.0441	0	0	0	-0.0185
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	-0.0078	0	-0.04	-0.0369	0	0	0	-0.0191
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0.0018	0	0	-0.0325	0	0	0	-0.002
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	-0.0088	0	-0.0308	-0.0294	0	0	0	-0.0123
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	-0.0143	0	-0.0294	-0.0372	0	0	0	-0.0172
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	-0.0031	0	-0.0404	-0.0589	0	0	0	-0.0319
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	-0.0068	0	-0.0427	-0.1003	0	0	0	-0.0549
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	-0.0053	0	-0.0036	-0.0825	0	0	0	-0.0223
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	-0.0036	0	-0.0276	-0.0395	0	0	0	-0.0171
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	-0.0064	0	-0.0633	-0.0422	0	0	0	-0.0396
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	-0.0007	0	-0.0246	-0.0428	0	0	0	-0.0167
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0.0068	0	0	-0.0462	0	0	0	-0.0036
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0.0047	0	0	-0.0416	0	0	0	-0.0028
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	-0.0044	0	0	-0.0546	0	0	0	-0.0096
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	-0.0045	0	-0.0333	-0.0375	0	0	0	-0.0192
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	-0.0048	0	-0.0493	-0.0419	0	0	0	-0.0265
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	-0.0045	0	-0.0663	-0.0407	0	0	0	-0.034
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0.0041	0	0	-0.0397	0	0	0	-0.0026
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.0062	0	0	-0.0917	0	0	0	-0.025
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0.0062	0	-0.0682	-0.063	0	0	0	-0.0493
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	-0.0013	0	-0.022	-0.0383	0	0	0	-0.0144
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	-0.0027	0	0	-0.0576	0	0	0	-0.0113
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0.0096	0	0	-0.0385	0	0	0	0.0032
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	-0.0047	0	-0.0743	-0.0377	0	0	0	-0.0293
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0.0043	0	0	-0.0401	0	0	0	-0.0025
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	-0.0001	0	-0.005	-0.0372	0	0	0	-0.0053
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0.0213	0	0	-0.0594	0	0	0	-0.0061
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	0.0817	0	0	-0.1489	0	0	0	-0.0047
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.015	0	0	-0.1095	0	0	0	-0.0215
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	-0.0057	0	-0.0967	-0.0149	0	0	0	-0.0378
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	-0.0048	0	-0.0524	-0.0846	0	0	0	-0.0436
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0.0015	0	-0.0881	-0.0662	0	0	0	-0.0605
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	-0.0035	0	-0.0734	-0.0537	0	0	0	-0.0487
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	-0.0072	0	-0.1621	-0.0412	0	0	0	-0.0799
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	-0.0036	0	-0.0644	-0.0827	0	0	0	-0.0663
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	-0.006	0	-0.0258	-0.064	0	0	0	-0.0277
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	-0.0064	0	-0.0643	-0.0343	0	0	0	-0.0268
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0.0023	0	0	-0.0362	0	0	0	-0.0019
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0	0	0	-0.0658	0	0	0	-0.0151
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	-0.0052	0	-0.0504	-0.0436	0	0	0	-0.031

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	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_lvo-GfFUR_7_bt	3	-0.0073	0	-0.0727	-0.0255	0	0	0	-0.0387
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	1	0.0179	0	0	-0.0688	0	0	0	-0.0099
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	2	0.0012	0	-0.0206	-0.0649	0	0	0	-0.0287
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	3	0.0102	0	0	-0.1104	0	0	0	-0.0314
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	4	0.0186	0	0	-0.0686	0	0	0	-0.0099
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_8_bt	5	-0.0009	0	-0.0911	-0.0669	0	0	0	-0.0514
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	1	-0.0057	0	-0.1761	-0.083	0	0	0	-0.1125
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	2	0.0118	0	0	-0.057	0	0	0	-0.0077
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_9_bt	3	-0.0021	0	0	-0.115	0	0	0	-0.0314
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	2	-0.0055	0	-0.0813	-0.0357	0	0	0	-0.0272
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	3	-0.0035	0	-0.0988	-0.039	0	0	0	-0.0327
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_lvo-GMatos1_1_bt	4	-0.005	0	-0.0831	-0.0366	0	0	0	-0.0273
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	1	-0.0018	0	-0.2254	-0.0318	0	0	0	-0.0999
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	2	-0.0043	0	-0.344	-0.0389	0	0	0	-0.1608
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_lvo-GSEG1_11_bt	3	-0.0041	0	-0.199	-0.0296	0	0	0	-0.0547
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	1	0.0059	0	0	-0.0793	0	0	0	-0.0197
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	2	0.0049	0	0	-0.0697	0	0	0	-0.0178
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	3	-0.0031	0	-0.2862	-0.078	0	0	0	-0.1748
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	4	-0.0021	0	-0.2802	-0.0654	0	0	0	-0.1265
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_1_bt	5	-0.0047	0	-0.2156	-0.057	0	0	0	-0.0912
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	1	0.0167	0	0	-0.0594	0	0	0	-0.0092
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	2	0.0181	0	0	-0.0593	0	0	0	-0.0089
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_2_bt	3	0.0068	0	0	-0.0787	0	0	0	-0.0209
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	1	0.013	0	0	-0.0456	0	0	0	-0.0059
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	2	0.0138	0	0	-0.0488	0	0	0	-0.0068
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	3	0.0134	0	0	-0.0479	0	0	0	-0.0065
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	4	0.0116	0	0	-0.0433	0	0	0	-0.0053
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_3_bt	5	0.0128	0	0	-0.0411	0	0	0	-0.0052
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	1	0.0078	0	0	-0.1022	0	0	0	-0.0262
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	2	0.0182	0	0	-0.0554	0	0	0	-0.0082
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_4_bt	3	0.0067	0	0	-0.0834	0	0	0	-0.0217
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	1	0.0062	0	0	-0.0686	0	0	0	-0.0181
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_5_bt	2	0.0148	0	0	-0.0425	0	0	0	-0.0063
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	1	0.005	0	0	-0.0684	0	0	0	-0.0176
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	2	0.0071	0	0.0071	-0.0926	0	0	0	-0.0224
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	3	0.0206	0	0	-0.06	0	0	0	-0.0095
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	4	0.0162	0	0	-0.0496	0	0	0	-0.0069
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_6_bt	5	0.0139	0	0	-0.0481	0	0	0	-0.0062
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	1	0.0169	0	0	-0.0564	0	0	0	-0.008
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	2	-0.0031	0	-0.2655	-0.0612	0	0	0	-0.174
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_7_bt	3	-0.0044	0	-0.2556	-0.0559	0	0	0	-0.1164
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	1	0.0042	0	0	-0.0555	0	0	0	-0.0144
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_8_bt	2	0.0114	0	0	-0.0388	0	0	0	-0.0058
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	1	0.0148	0	0	-0.0444	0	0	0	-0.0058
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	2	0.0153	0	0	-0.0477	0	0	0	-0.0069
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_lvo-GSEG2_9_bt	3	0.0047	0	0	-0.0653	0	0	0	-0.0164
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	1	-0.0015	0	-0.1159	-0.1181	0	0	0	-0.1109
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	2	0.0195	0	0	-0.0653	0	0	0	-0.0087
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_10_bt	3	0.0214	0	0	-0.0634	0	0	0	-0.009

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0.0101	0	0	-0.1229	0	0	0	-0.0315
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0.0247	0	0	-0.0757	0	0	0	-0.01
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.0087	0	0	-0.1144	0	0	0	-0.0298
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0.0209	0	0	-0.0667	0	0	0	-0.009
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0.0212	0	0	-0.0704	0	0	0	-0.0092
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0.0288	0	0	-0.0831	0	0	0	-0.0118
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.0094	0	0	-0.1176	0	0	0	-0.0306
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.0086	0	0	-0.1039	0	0	0	-0.0275
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0.0227	0	0	-0.0771	0	0	0	-0.0106
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0.0234	0	0	-0.0714	0	0	0	-0.01
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0.0034	0	0	-0.0803	0	0	0	-0.0201
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0.0163	0	0	-0.0594	0	0	0	-0.0073
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.0125	0	0	-0.123	0	0	0	-0.0327
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0.0187	0	0	-0.0669	0	0	0	-0.0084
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0.0212	0	0	-0.0703	0	0	0	-0.0095
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0.0224	0	0	-0.0689	0	0	0	-0.0096
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.0097	0	0	-0.1156	0	0	0	-0.0297
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0.0246	0	0	-0.0775	0	0	0	-0.0106
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0.0235	0	0	-0.076	0	0	0	-0.01
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0.0247	0	0	-0.079	0	0	0	-0.0104
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.0109	0	0	-0.1178	0	0	0	-0.0303
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	-0.0056	0	-0.234	-0.0006	0	0	0	-0.1292
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	-0.001	0	0	0	0	0	0	-0.0003
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0.0081	0	0	-0.0318	0	0	0	-0.004
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.0011	0	0	-0.0585	0	0	0	-0.0145
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0.0076	0	0	-0.0291	0	0	0	-0.0041
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0.0269	0	0	-0.0682	0	0	0	-0.0123
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0.0117	0	0	-0.1109	0	0	0	-0.0301
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0.0175	0	0	-0.0627	0	0	0	-0.0079
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0.0128	0	0	-0.0658	0	0	0	-0.0067
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0.0216	0	0	-0.0685	0	0	0	-0.0091
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0.0116	0	0	-0.052	0	0	0	-0.0051
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0.0136	0	0	-0.0506	0	0	0	-0.0063
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0.017	0	0	-0.051	0	0	0	-0.0056
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0.0177	0	0	-0.0499	0	0	0	-0.0079
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0.0061	0	-0.1056	-0.0587	0	0	0	-0.0741
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0.0126	0	0	-0.0466	0	0	0	-0.0056
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0.0146	0	0	-0.0511	0	0	0	-0.0065
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0.0047	0	0	-0.0783	0	0	0	-0.0195
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0.0115	0	0	-0.0436	0	0	0	-0.0052
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0.0084	0	0	-0.0864	0	0	0	-0.0224
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0.0097	0	0	-0.0863	0	0	0	-0.0236
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0.0166	0	0	-0.0509	0	0	0	-0.0075
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	-0.0008	0	0	-0.0795	0	0	0	-0.018
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0.0114	0	0	-0.0434	0	0	0	-0.0054
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0.0039	0	-0.1649	-0.0607	0	0	0	-0.0949
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0.0135	0	0	-0.0507	0	0	0	-0.006
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0.0016	0	0	-0.0866	0	0	0	-0.0201
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0.0138	0	0	-0.0543	0	0	0	-0.0064

Reference	Sample	Country	Location1	id	id2	id3	Group	Point	M_Cr3+	M_Mn3+	M_Fe3+	M_Ti4+	M_V5+	T_Be2+	T_B3+	T_Al3+
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0.0153	0	0	-0.0537	0	0	0	-0.0073
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0.0171	0	0	-0.0548	0	0	0	-0.0087
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0.0149	0	0	-0.0542	0	0	0	-0.0071
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0.0217	0	0	-0.0511	0	0	0	-0.0017
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0.0058	0	-0.0247	-0.0614	0	0	0	-0.0228
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0.0103	0	0	-0.0586	0	0	0	-0.005
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0.0127	0	0	-0.059	0	0	0	-0.0059
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	-0.0014	0	-0.0765	-0.0601	0	0	0	-0.047
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0.0141	0	0	-0.0549	0	0	0	-0.0069
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0.0185	0	0	-0.0639	0	0	0	-0.008
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0.0139	0	0	-0.0575	0	0	0	-0.0061
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0.0183	0	0	-0.0553	0	0	0	-0.0033
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0.0127	0	0	-0.095	0	0	0	-0.0114
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0.0138	0	0	-0.0567	0	0	0	-0.0067
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0.022	0	-0.1944	-0.1059	0	0	0	-0.1686
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0.018	0	0	-0.0583	0	0	0	-0.0088
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.0059	0	0	-0.0806	0	0	0	-0.0226
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0.0103	0	0	-0.0355	0	0	0	-0.0062
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0.0099	0	0	-0.0353	0	0	0	-0.0061
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0.01	0	0	-0.1234	0.0141	0	0	-0.0281
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	-0.0042	0	-0.1704	-0.0049	0	0	0	-0.092
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0.0066	0	-0.1375	-0.073	0	0	0	-0.0788
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0.0152	0	0	-0.0526	0	0	0	-0.0076
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0.0166	0	0	-0.0542	0	0	0	-0.0082
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0.0094	0	0	-0.0482	0	0	0	-0.0057
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0.0158	0	0	-0.0551	0	0	0	-0.0078
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0.003	0	-0.0908	-0.0602	0	0	0	-0.0497
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0.0237	0	0	-0.074	0	0	0	-0.0106
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0.0253	0	0	-0.0744	0	0	0	-0.0111
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0.022	0	-0.1128	-0.1127	0	0	0	-0.0995
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0.0108	0	0	-0.1266	0	0	0	-0.0341
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.0103	0	0	-0.1256	0	0	0	-0.0345
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0.014	0	0	-0.0485	0	0	0	-0.0073
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0.0131	0	0	-0.0452	0	0	0	-0.0069
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0.0134	0	0	-0.0475	0	0	0	-0.0071

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_bt	2	0	-0.0019	0.0292	0	-0.0135	-0.0098	0.0947
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	4	0	-0.001	0.0244	0	-0.0127	-0.0105	0.0821
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_1_bt	5	0	-0.0023	0.0225	0	-0.0149	-0.0104	0.0825
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	1	0.0054	-0.025	-0.1087	0.0054	0.0441	0.0439	0.2181
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	2	0	-0.0007	0.028	0	-0.0147	-0.0123	0.0947
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	3	0	-0.0026	0.0216	0	-0.0119	-0.0102	0.0744
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	4	0	0.065	-0.1538	0	0.0044	0.1543	0.4967
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	5	0	-0.0014	0.0255	0	-0.0116	-0.0098	0.0823
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	6	0.008	-0.0223	-0.0968	0.008	0.0351	0.0382	0.194
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_2_bt	7	0	-0.0152	0.0202	0	-0.022	0.0048	0.1038
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	1	0	-0.0009	0.0275	0	-0.0142	-0.0107	0.0926
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	2	0.0059	-0.0223	-0.0971	0.0059	0.0388	0.0388	0.1957
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	3	0	-0.0007	0.026	0	-0.014	-0.0095	0.0894
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	4	0	-0.0011	0.0249	0	-0.0115	-0.0101	0.081
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_3_bt	5	0	-0.0022	0.0238	0	-0.0149	-0.0108	0.0854
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	1	0	-0.0012	0.026	0	-0.0159	-0.0109	0.0934
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	2	0	-0.0011	0.0301	0	-0.0164	-0.0104	0.1035
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	3	0	-0.001	0.0213	0	-0.0103	-0.0101	0.0709
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	4	0.0044	-0.0197	-0.0851	0.0044	0.0339	0.0339	0.1724
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	5	0	-0.0023	0.0204	0	-0.0125	-0.0099	0.0728
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	6	0	0.0308	0.032	0	-0.059	0.0349	0.236
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	7	0	0.0319	0.0316	0	-0.0529	0.025	0.2172
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	8	0	-0.0015	0.0216	0	-0.0112	-0.011	0.073
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	9	0	-0.0013	0.017	0	-0.0087	-0.0082	0.0571
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_4_bt	10	0.0047	-0.0203	-0.0861	0.0047	0.0346	0.0346	0.1742
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	1	0	-0.001	0.0253	0	-0.0147	-0.01	0.0886
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	2	0	-0.0011	0.0272	0	-0.0142	-0.0119	0.0916
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	3	0	-0.0017	0.0281	0	-0.0152	-0.0115	0.0973
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	4	0	-0.0011	0.0245	0	-0.0133	-0.0114	0.0843
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_5_bt	5	0	0.0004	0.0251	0	-0.0204	-0.0023	0.0995
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	1	0	-0.0022	0.0235	0	-0.0145	-0.0102	0.0841
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	2	0	-0.0368	-0.1598	0	0.0618	0.0643	0.3204
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	3	0	-0.0245	-0.1114	0	0.0439	0.0439	0.2236
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	4	0.0055	-0.0231	-0.104	0.0055	0.0402	0.0416	0.2092
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_6_bt	5	0.0102	-0.025	-0.1057	0.0102	0.0395	0.0416	0.2135
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	1	0	-0.0022	0.0258	0	-0.0145	-0.0111	0.0892
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	2	0	-0.0007	0.0261	0	-0.0131	-0.0105	0.0874
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_7_Bt	3	0.0047	-0.025	-0.1058	0.0047	0.0408	0.0446	0.2157
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	1	0	-0.0006	0.0246	0	-0.0131	-0.0107	0.0838
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	2	0	-0.0028	0.0193	0	-0.0129	-0.0094	0.0726
MOSTMEG	G_BATÃO#1	Portugal	Iberian Massif	BATÃO	Bt Granodiorite	BATÃO-G1	MOSTMEG_lvo-GBATAO_8_Bt	3	0	-0.0008	0.0269	0	-0.0138	-0.011	0.0904
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	1	0	-0.0026	0.0304	0	-0.0152	-0.0152	0.1024
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	2	0	-0.0287	-0.1242	0	0.0486	0.0486	0.2481
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	3	0	-0.0023	0.0283	0	-0.0149	-0.0149	0.0971
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_1_bt	4	0	-0.0019	0.0296	0	-0.0163	-0.0163	0.1025
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_3_bt	1	0	-0.0019	0.0225	0	-0.0114	-0.0114	0.0763
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	1	0	-0.1297	-0.0182	0	-0.1142	0.1366	0.3163
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	2	0	-0.0014	0.031	0	-0.0175	-0.0134	0.1078
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_5_bt	3	0	0.0464	0.0332	0	-0.0057	-0.0458	0.269

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_5_bt	4	0.0064	-0.0252	-0.1111	0.0064	0.043	0.043	0.2222
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	1	0	-0.0027	0.0227	0	-0.0116	-0.0126	0.0791
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_6_bt	2	0	-0.0018	0.021	0	-0.0123	-0.0109	0.0744
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	1	0	-0.0024	0.024	0	-0.0131	-0.0107	0.0822
MOSTMEG	G_ZEB#1	Portugal	Iberian Massif	ZEB	Two-mica granodiorite	ZEB-G1	MOSTMEG_lvo-GZEB1_8_bt	2	0	-0.0036	0.0299	0	-0.019	-0.0135	0.1081
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	2	0.0081	0.0332	0.0173	0.0081	-0.0652	0.0421	0.3285
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	3	0	0.0115	0.0103	0	-0.0077	-0.0077	0.1065
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	4	0.0238	0.0055	0.0189	0.0238	-0.0737	0.0313	0.237
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	5	0	0.0373	0.0156	0	-0.0424	0.0274	0.2309
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	6	0	0.0091	0.0122	0	-0.0085	-0.0085	0.0945
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	7	0	0.0104	0.0091	0	-0.0067	-0.0067	0.0965
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	8	0	-0.0014	0.0113	0	-0.0056	-0.0056	0.0526
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	9	0	0.0068	0.0069	0	-0.0048	-0.0048	0.0805
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_bt	10	0	0.0172	0.0204	0	-0.0461	0.0257	0.1951
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	1	0	-0.004	-0.0589	0	0.0205	0.0205	0.1299
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	4	0	0.0273	-0.1003	0	0.0013	0.0852	0.2858
MOSTMEG	G_MARCELINA#2	Portugal	Iberian Massif	ZEB-PORPH	Granitic Porphyry	ZEB-PORPH	MOSTMEG_lvo-GMARCE_2_btII	5	0	0.0223	-0.0825	0	-0.0052	0.0884	0.2555
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	1	0	0.0064	0.0112	0	-0.0075	-0.0075	0.0888
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	2	0	0.0209	0.0116	0	-0.0132	-0.0045	0.1468
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	3	0	0.0069	0.0117	0	-0.0094	-0.0071	0.0862
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	4	0	-0.0014	0.0161	0	-0.0092	-0.0092	0.0653
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_1_bt	5	0	-0.0012	0.0148	0	-0.0076	-0.0076	0.0604
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	1	0	-0.005	0.0236	0	-0.0083	-0.0063	0.0783
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	2	0	0.0083	0.01	0	-0.0073	-0.0073	0.0924
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	3	0	0.013	0.0103	0	-0.0082	-0.0082	0.1186
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	4	0.0066	0.0274	0.0125	0.0066	-0.0265	0.0087	0.1769
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_2_Bt	6	0	-0.0012	0.0141	0	-0.0071	-0.0071	0.0585
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	1	0.0055	-0.0233	-0.0917	0.0055	0.0382	0.0393	0.1866
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	2	0	0.0272	0.0242	0	-0.0094	-0.0094	0.1595
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	3	0	0.0059	0.0111	0	-0.0077	-0.0077	0.0784
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	4	0	-0.0052	0.0248	0	-0.0101	-0.0066	0.0806
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_3_Bt	5	0	-0.0032	0.0156	0	-0.0119	-0.0037	0.0624
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	1	0.0031	0.0157	0.0064	0.0031	-0.0071	-0.0032	0.1526
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	2	0	-0.0011	0.014	0	-0.0075	-0.0075	0.0586
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	3	0	-0.0004	0.0117	0	-0.0068	-0.0068	0.0718
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	4	0	-0.0055	0.0301	0	-0.0099	-0.0033	0.0824
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	5	0.0797	-0.075	0.0609	0.0797	-0.1637	0.0361	0.4375
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_4_Bt	6	0.0062	-0.0298	-0.1095	0.0062	0.0456	0.0573	0.2296
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	1	0	0.0378	-0.0149	0	0.0261	-0.0095	0.2757
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	2	0	0.0162	-0.0846	0	0.0121	0.0589	0.2145
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	4	0	0.0602	0.0333	0	-0.0308	0.0151	0.2682
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	5	0	0.0487	0.0242	0	-0.0475	0.0416	0.2816
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_5_bt	6	0	0.0799	0.0153	0	-0.0359	0.0323	0.3925
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	1	0	0.0109	-0.0827	0	0.0109	0.0446	0.2094
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	2	0	-0.0099	-0.064	0	0.0232	0.0232	0.1362
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	3	0	0.0261	0.009	0	-0.0152	0.0083	0.1515
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	4	0	-0.0011	0.013	0	-0.0059	-0.0081	0.055
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_6_bt	5	0	-0.0151	-0.0658	0	0.0253	0.0253	0.1313
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_lvo-GfFUR_7_bt	1	0	0.031	0.0203	0	-0.0376	0.0196	0.2007

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_7_bt	3	0	0.0387	0.0123	0	-0.039	0.0287	0.2457
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	1	0	-0.0039	0.0289	0	-0.0114	-0.0089	0.0911
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	2	0.0129	0.0158	0.0293	0.0129	-0.0406	0.0123	0.1694
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	3	0.0066	-0.028	-0.1104	0.0066	0.0456	0.0478	0.2253
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	4	0	-0.0037	0.0292	0	-0.0113	-0.01	0.0907
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_8_bt	5	0.0096	0.0418	0.0274	0.0096	-0.039	0.0197	0.2742
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	1	0	0.0451	-0.083	0	0.0046	0.0593	0.3601
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	2	0	-0.0038	0.0228	0	-0.0096	-0.0048	0.0813
MOSTMEG	Gf_FURÃO#1	Portugal	Iberian Massif	ZEB-Dyke	Granitic Porphyry Dyke	fZEB-PORPH	MOSTMEG_Ivo-GfFUR_9_bt	3	0.007	-0.0291	-0.115	0.007	0.0478	0.05	0.2335
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	2	0	0.0198	0.0051	0	-0.0041	-0.0041	0.1529
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	3	0	0.0244	0.0054	0	-0.0037	-0.0037	0.179
MOSTMEG	G_MATOS#1	Portugal	Iberian Massif	MATOS	Bt Granodiorite	MATOS-G1	MOSTMEG_Ivo-GMatos1_1_bt	4	0	0.0201	0.0056	0	-0.0038	-0.0038	0.1558
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	1	0	0.0368	-0.0155	0	0.0465	-0.0594	0.335
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	2	0	0.0642	-0.0278	0	0.0655	-0.0836	0.5064
MOSTMEG	G_SEG#1	Portugal	Iberian Massif	SEG	Ms+Tour granite	SEG-G1	MOSTMEG_Ivo-GSEG1_11_bt	3	0	0.0325	-0.0115	0	0.0676	-0.0643	0.4034
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	1	0	-0.0178	-0.0793	0	0.0311	0.0311	0.1591
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	2	0	-0.0162	-0.0697	0	0.0275	0.0275	0.14
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	3	0	0.0798	-0.0629	0	0.0309	-0.0145	0.4363
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	4	0	0.0353	-0.0277	0	0.0552	-0.0724	0.3972
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_1_bt	5	0	0.0299	-0.0064	0	0.0443	-0.0669	0.3422
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	1	0	-0.0036	0.0222	0	-0.0104	-0.0104	0.0791
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	2	0	-0.0029	0.022	0	-0.0111	-0.0111	0.0794
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_2_bt	3	0.0037	-0.0186	-0.0787	0.0037	0.0327	0.0327	0.1601
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	1	0	-0.0016	0.0173	0	-0.0092	-0.0092	0.0605
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	2	0	-0.0022	0.019	0	-0.0098	-0.0098	0.0653
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	3	0	-0.0021	0.0179	0	-0.0102	-0.0102	0.0646
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	4	0	-0.0014	0.017	0	-0.0086	-0.0086	0.0573
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_3_bt	5	0	-0.0009	0.0158	0	-0.0091	-0.0091	0.0555
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	1	0.0053	-0.0236	-0.1022	0.0053	0.0394	0.0394	0.2051
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	2	0	-0.0021	0.0228	0	-0.011	-0.011	0.0757
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_4_bt	3	0.0039	-0.0194	-0.0834	0.0039	0.0332	0.0332	0.1683
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	1	0.0022	-0.016	-0.0686	0.0022	0.029	0.029	0.1402
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_5_bt	2	0	-0.0014	0.0177	0	-0.0084	-0.0084	0.0589
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	1	0	-0.016	-0.0684	0	0.0271	0.0271	0.1374
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	2	0.0029	-0.02	-0.0926	0.0029	0.0373	0.0373	0.1868
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	3	0	-0.0027	0.023	0	-0.0115	-0.0115	0.0826
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	4	0	-0.0015	0.0194	0	-0.0108	-0.0108	0.0676
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_6_bt	5	0	-0.0016	0.0191	0	-0.0095	-0.0095	0.064
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	1	0	-0.0024	0.0224	0	-0.0115	-0.0115	0.0759
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	2	0	0.0012	-0.0612	0	0.1219	-0.1422	0.5116
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_7_bt	3	0	0.0427	-0.012	0	0.0483	-0.0722	0.383
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	1	0	-0.013	-0.0555	0	0.0218	0.0218	0.1114
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_8_bt	2	0	-0.002	0.0161	0	-0.0071	-0.0071	0.052
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	1	0	-0.0008	0.0173	0	-0.0098	-0.0098	0.0608
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	2	0	-0.0018	0.0179	0	-0.0096	-0.0096	0.0645
MOSTMEG	G_SEG#2	Portugal	Iberian Massif	SEG	Bt+Ms granite	SEG-G2	MOSTMEG_Ivo-GSEG2_9_bt	3	0	-0.0148	-0.0653	0	0.0249	0.0249	0.1305
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	1	0	0.0115	-0.1181	0	0.0231	0.0523	0.2984
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	2	0	-0.0021	0.0263	0	-0.0129	-0.0129	0.0875
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_Ivo-GSEG4_10_bt	3	0	-0.0019	0.025	0	-0.0139	-0.0118	0.0858



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#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	1	0.0062	-0.0282	-0.1229	0.0062	0.0472	0.0472	0.2468
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_12_bt	2	0	-0.0018	0.03	0	-0.0161	-0.0161	0.103
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	1	0.0062	-0.0269	-0.1144	0.0062	0.045	0.045	0.2302
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	2	0	-0.002	0.0268	0	-0.0135	-0.0135	0.09
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	3	0	-0.0021	0.028	0	-0.0143	-0.0143	0.0944
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	4	0	-0.0022	0.0327	0	-0.0185	-0.0161	0.1133
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_1_bt	5	0.0069	-0.0275	-0.1176	0.0069	0.0457	0.0457	0.2365
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	1	0.0068	-0.0247	-0.1039	0.0068	0.0407	0.0407	0.2096
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	2	0	-0.0031	0.0315	0	-0.0146	-0.0136	0.1026
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_2_bt	3	0	-0.0022	0.0294	0	-0.0141	-0.0141	0.0973
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	1	0.0061	-0.019	-0.0803	0.0061	0.0319	0.03	0.1614
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	2	0	-0.0018	0.0231	0	-0.0121	-0.0121	0.0787
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_3_bt	3	0.0048	-0.0285	-0.123	0.0048	0.0475	0.0496	0.2486
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	1	0	-0.0022	0.0264	0	-0.0132	-0.0132	0.0888
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	2	0	-0.0024	0.0286	0	-0.0136	-0.0136	0.0943
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_4_bt	3	0	-0.0021	0.0282	0	-0.0137	-0.0137	0.0937
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	1	0.0055	-0.0265	-0.1156	0.0055	0.0446	0.0446	0.2324
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	2	0	-0.0024	0.0309	0	-0.0161	-0.0154	0.1044
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	3	0	-0.0022	0.0301	0	-0.0158	-0.0154	0.1021
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	4	0	-0.0022	0.0306	0	-0.0171	-0.0157	0.1057
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_5_bt	5	0.0045	-0.0267	-0.1178	0.0045	0.0468	0.0468	0.2383
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	1	0	0.0615	-0.0006	0	-0.015	-0.0124	0.3701
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	2	0.0009	-0.0007	0.0009	0.0009	0.0013	0.0013	0.006
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	3	0	-0.0013	0.0135	0	-0.005	-0.0065	0.0429
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	4	0.0052	-0.0142	-0.0585	0.0052	0.0252	0.022	0.119
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_6_bt	5	0	-0.0016	0.0131	0	-0.004	-0.0061	0.0405
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	1	0	-0.0034	0.0269	0	-0.0161	-0.0099	0.0959
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_7_bt	2	0.0041	-0.0262	-0.1109	0.0041	0.0427	0.0459	0.2244
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	2	0	-0.002	0.0247	0	-0.0125	-0.0125	0.0832
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	3	0	-0.0024	0.0249	0	-0.0123	-0.0123	0.0885
MOSTMEG	G_SEG#4	Portugal	Iberian Massif	SEG	Two-mica granite	SEG-G3	MOSTMEG_lvo-GSEG4_8_bt	4	0	-0.0019	0.0273	0	-0.0141	-0.0141	0.0926
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	1	0	-0.0012	0.0213	0	-0.0109	-0.0088	0.0718
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	2	0	-0.0018	0.0199	0	-0.0099	-0.0102	0.0672
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	3	0	0.0001	0.0242	0	-0.0132	-0.0079	0.0738
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	4	0	-0.002	0.0184	0	-0.0125	-0.007	0.0689
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_1_bt	5	0	0.0221	0.0118	0	-0.0021	-0.0283	0.1932
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	1	0	-0.0014	0.0179	0	-0.0096	-0.0096	0.0617
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	2	0	-0.0016	0.0202	0	-0.0102	-0.0102	0.0679
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	3	0	-0.0179	-0.0783	0	0.0306	0.0306	0.1565
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_3_bt	4	0	-0.0013	0.0168	0	-0.0088	-0.0088	0.0576
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	1	0	-0.0196	-0.0864	0	0.0312	0.0348	0.1726
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	2	0.0035	-0.0203	-0.0863	0.0035	0.0312	0.0353	0.1737
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_4_bt	3	0	-0.0019	0.0187	0	-0.0123	-0.0078	0.0689
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	1	0	-0.0183	-0.0795	0	0.0348	0.0283	0.1614
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	2	0	-0.0016	0.0172	0	-0.0083	-0.0083	0.0573
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	3	0	0.0394	0.0067	0	0.0108	-0.0428	0.2496
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	4	0	-0.0015	0.0209	0	-0.009	-0.0119	0.0696
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_5_bt	5	0	-0.0196	-0.0866	0	0.0364	0.0312	0.1746
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	1	0	-0.0018	0.0218	0	-0.0099	-0.012	0.0729

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	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	2	0	-0.0022	0.0209	0	-0.011	-0.0116	0.0722
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	3	0	-0.003	0.0211	0	-0.012	-0.0091	0.074
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	4	0	-0.0021	0.0213	0	-0.0107	-0.0101	0.0717
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_6_bt	5	0	0.0017	0.037	0	-0.0204	-0.0114	0.0959
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	1	0	0.0029	0.0156	0	-0.0103	-0.0111	0.1021
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	2	0	-0.0016	0.0224	0	-0.0104	-0.0126	0.0792
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	3	0	-0.0017	0.0217	0	-0.0121	-0.0121	0.0785
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_7_bt	4	0	0.017	0.014	0	0.0018	-0.0282	0.1485
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	1	0	-0.0022	0.0218	0	-0.0103	-0.0129	0.0747
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	2	0	-0.0018	0.0249	0	-0.0132	-0.0132	0.0851
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_8_bt	3	0	-0.0015	0.0226	0	-0.0108	-0.0142	0.0781
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	1	0	0.0033	0.0322	0	-0.0159	-0.0124	0.0872
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	2	0	-0.0071	-0.095	0	0.0418	0.0479	0.221
MOSTMEG	G_SEIXO#1	Portugal	Iberian Massif	ORCA	Two-mica granite	Orca-G2	MOSTMEG_lvo-GSEIXO1_9_bt	3	0	-0.0021	0.0229	0	-0.0101	-0.0121	0.0758
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	1	0.0531	-0.0047	-0.1059	0	0.0715	-0.0184	0.3526
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	2	0	-0.0028	0.0243	0	-0.0109	-0.0109	0.0787
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_1_bt	3	0.0054	-0.0206	-0.0806	0.0054	0.0352	0.0352	0.1652
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	1	0	-0.0027	0.0164	0	-0.0048	-0.0048	0.048
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	2	0	-0.0028	0.0167	0	-0.0043	-0.0043	0.0474
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	3	0.0049	-0.0247	-0.0952	0.0049	0.0424	0.0424	0.2218
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	4	0	0.062	-0.0049	0	0.0446	-0.0431	0.3401
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_3_bt	5	0	0.0193	0.0116	0	0.0211	-0.0512	0.2379
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	1	0	-0.0026	0.0213	0	-0.0101	-0.0101	0.0705
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	2	0	-0.0027	0.0226	0	-0.01	-0.01	0.0731
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	3	0	-0.0026	0.0178	0	-0.0083	-0.0083	0.0643
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	4	0	-0.0025	0.0234	0	-0.0094	-0.0094	0.0734
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_4_bt	5	0	0.0139	0.0123	0	0.0124	-0.0344	0.1641
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	1	0	-0.0027	0.031	0	-0.0139	-0.0139	0.1005
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	2	0	-0.0026	0.0318	0	-0.0138	-0.0138	0.1025
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	3	0.0244	-0.0084	-0.1127	0	0.0801	0.0036	0.3232
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	4	0.0074	-0.0305	-0.1266	0.0074	0.0519	0.0519	0.2571
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_6_bt	5	0.0088	-0.031	-0.1256	0.0088	0.052	0.052	0.2555
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	1	0	-0.0027	0.0202	0	-0.0087	-0.0087	0.0651
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	2	0	-0.0026	0.019	0	-0.008	-0.008	0.0608
MOSTMEG	SCB2#11	Portugal	Iberian Massif	PAN	Two-mica granite	PAN-G1	MOSTMEG_lvo-SCB211_8_bt	3	0	-0.0027	0.0212	0	-0.007	-0.007	0.0633