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Supplementary material: Early carbonatite magmatism at Oldoinyo Lengai volcano (Tanzania): carbonatite–silicate melt immiscibility in Lengai I melt inclusions

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Supplementary Table S1. Bulk-rock measurements for the two phonolite lava flows studied herein. See methods section for further details

Bulk-rock measurements			
Measurement no		1901739	1901740
Sample	Unit	14TG18b	14TG05B
SiO_2	(%)	46.88	50.76
Al_2O_3	(%)	16.81	17.25
Fe_2O_3t	(%)	7.78	7.34
MnO	(%)	0.24	0.21
MgO	(%)	1.02	1.26
CaO	(%)	5.69	5.30
Na_2O	(%)	10.04	9.40
K_2O	(%)	5.00	4.75
TiO_2	(%)	1.10	1.20
P_2O_5	(%)	0.28	0.54
LOI	(%)	5.21	2.27
Total	(%)	100.04	100.27
CO_2 total	(%)	1.05	0.19
FeO	(%)	1.48	2.07
S total	(%)	0.03	0.02
F	(%)	0.19	0.13
B	(ppm)	4.9	3.1
Cl	(ppm)	1 790	2 770
Li	(ppm)	38.5	24.1
As	(ppm)	0.99	0.67
Ba	(ppm)	1404	1444
Be	(ppm)	8.96	7.01
Bi	(ppm)	0.13	0.05
Cd	(ppm)	0.35	0.25
Co	(ppm)	8.45	9.29
Cr	(ppm)	5.8	3.4
Cs	(ppm)	0.83	1.34
Cu	(ppm)	15.9	13.5
Ga	(ppm)	27.9	29.0
Ge	(ppm)	1.31	1.70
Hf	(ppm)	9.18	10.7
In	(ppm)	0.05	0.06
Mo	(ppm)	1.12	1.18
Nb	(ppm)	147	149

Bulk-rock measurements			
Measurement no		1901739	1901740
Sample	Unit	14TG18b	14TG05B
Ni	(ppm)	3.1	2.4
Pb	(ppm)	50.8	15.0
Rb	(ppm)	89.5	116
Sb	(ppm)	0.33	0.38
Sc	(ppm)	1.47	1.96
Sn	(ppm)	2.01	2.42
Sr	(ppm)	2049	1970
Ta	(ppm)	3.89	7.38
Th	(ppm)	21.0	21.4
U	(ppm)	4.17	3.10
V	(ppm)	148	103
Y	(ppm)	36.4	29.7
Zn	(ppm)	197	158
Zr	(ppm)	553	605
La	(ppm)	129	124
Ce	(ppm)	182	225
Pr	(ppm)	18.5	21.4
Nd	(ppm)	60.1	73.5
Sm	(ppm)	9.73	11.4
Eu	(ppm)	2.95	3.32
Gd	(ppm)	8.03	8.52
Tb	(ppm)	1.16	1.12
Dy	(ppm)	6.69	6.03
Ho	(ppm)	1.31	1.10
Er	(ppm)	3.40	2.81
Tm	(ppm)	0.481	0.401
Yb	(ppm)	2.94	2.55
Lu	(ppm)	0.397	0.369