

Supplementary Table 7. Bulk chemical compositions of samples used for pseudosections

	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	Total FeO	MnO	MgO	CaO
JAB46B	46.8	1.01	27.4	9.56	6.5	0.23	1.66	1.08
JAB62A	47.8	1.13	27.2	10.7	8	0.22	1.62	1.7

	Na ₂ O	K ₂ O	P ₂ O ₅	Cr ₂ O ₃	LOI	Total
	1.39	6.95	0.1	0.03	2.85	99.2
	1.53	4.53	0.11	0.03	2.15	98.8

	Rb	Sr	Y	Zr	Nb	Ba
JAB46B	219	106	35	130	19	1200
JAB62A	141	125	33	185	21	901

Notes: Oxides and loss on ignition (LOI) tabulated as wt. %; trace elements in ppm.

Fe₂O₃ total is total iron taken as Fe₂O₃; FeO is wet-chemically determined.

Totals include trace elements summed as oxides.

Analytical methods described in Ague et al. (2001).