

Table S2 The concentrations of Ba and REEs analyzed in the Ce and Nd pre-cut and post-cut aliquots

Sample	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Ce	Nd
	ng g ⁻¹															yield(%)	yield(%)
BHVO-2	0.0	-0.2	4.9	17.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.7	99.4
BCR-2	0.0	0.5	8.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.6	99.9
BCR-2-R	0.0	0.6	3.5	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	100.0
AGV-2	0.3	-0.2	4.6	5.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	99.5
AGV-1	0.1	5.8	9.8	1.9	4.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	99.5	99.6
GSP-2	0.0	-0.1	-0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0
GSR-1	0.0	0.6	4.1	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	99.3
GSR-11	0.1	0.0	2.2	4.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.9	99.8
Nod-P-1	0.0	-0.5	12.0	-0.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	99.3
Nod-A-1	0.0	-0.3	30.7	2.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.6	99.7
JDo-1	0.0	0.0	0.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	99.9