

Table SUPP. 6: Sm-Nd isotopic results. TDM = depleted mantle model age

sample	lab code	details	sample, mg	Sm ppm	Nd ppm	$^{147}\text{Sm}/^{144}\text{Nd}$	$^{143}\text{Nd}/^{144}\text{Nd}$	$\pm 2\text{se}$	$\epsilon\text{Nd now}$	TDM1, Gy	Assumed age, My	TDM-2, Gy	initial $\epsilon\text{Nd}$
SC1(a)	PM1	whole rock	54.3	23.02	125.51	0.1108	0.512470	0.000008	-3.27	1.01	25	1.00	-2.9
SC1(b)	PM2	whole rock	50.0	10.80	58.62	0.1112	0.512468	0.000008	-3.31	1.01	25	1.00	-2.9
SC20	PM3	whole rock	60.4	1.11	3.54	0.1886	0.512486	0.000013	-2.97		25	1.00	-2.8
SC20 al top	PM4	allanite from nodule	4.2	6108	35398	0.1042	0.512457	0.000009	-3.52	0.96	25	1.02	-3.1
SC20 al middl	PM5	allanite from nodule	6.1	5837	34174	0.1031	0.512472	0.000007	-3.24	0.93	25	1.00	-2.8
SC20 al botto	PM6	allanite from nodule	6.8	5033	29030	0.1047	0.512476	0.000011	-3.16	0.94	25	0.99	-2.8
SC1 ttn	PM7	allanite from nodule	6.6	4494	25573	0.1061	0.512473	0.000009	-3.22	0.96	25	0.99	-2.8
BCR2							0.512627	0.000009	-0.21				
JNd-1							0.512136	0.000010	-9.78				
JNd-1							0.512123	0.000012	-10.05				