

Supplemental Table S1

End-Members	Ambient Mantle (AM)	Crust 1	Crust 2
$^{206}\text{Pb}/^{204}\text{Pb}$	19.15	19.5	18
$^{207}\text{Pb}/^{204}\text{Pb}$	15.57	15.92	15.57
$^{208}\text{Pb}/^{204}\text{Pb}$	38.6	40.47	38.24
$^{87}\text{Sr}/^{86}\text{Sr}$	0.7028	0.706	0.724
$^{143}\text{Nd}/^{144}\text{Nd}$	0.513	0.512	0.512
$^{176}\text{Hf}/^{177}\text{Hf}$	0.283	0.2822	0.2828

Endmember Mass Proportions

Crust 1 : AM	Crust 2 : AM
100	100
44	44
25	25
10	10