

Supplementary Table 3 Lu–Hf isotopic data for the Early-Middle Ordovician volcanic rocks in the Xing'an Massif

Sample No.	t (Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$2\sigma_m$	$\epsilon_{\text{Hf}}(t)$	2σ	$T_{\text{DM1}}(\text{Hf})(\text{Ma})$	$T_{\text{DM2}}(\text{Hf})(\text{Ma})$	$f_{\text{Lu/Hf}}$
14DX2										
14DX2-1-01	473	0.043942	0.001369	0.282555	0.000017	2.4	0.6	996	1299	-0.96
14DX2-1-02	473	0.030779	0.001040	0.282562	0.000016	2.7	0.6	977	1277	-0.97
14DX2-1-03	473	0.037501	0.001364	0.282511	0.000016	0.8	0.6	1058	1398	-0.96
14DX2-1-04	473	0.051708	0.001633	0.282510	0.000020	0.7	0.7	1067	1405	-0.95
14DX2-1-05	473	0.034554	0.001139	0.282495	0.000016	0.3	0.6	1074	1428	-0.97
14DX2-1-06	473	0.040049	0.001421	0.282533	0.000020	1.6	0.7	1028	1349	-0.96
14DX8										
14DX8-1-01	463	0.057718	0.002162	0.282880	0.000018	13.4	0.6	544	588	-0.93
14DX8-1-02	463	0.045105	0.001708	0.282904	0.000015	14.3	0.5	503	526	-0.95
14DX8-1-03	463	0.053718	0.001959	0.282868	0.000014	13.0	0.5	559	612	-0.94
14DX8-1-04	463	0.051541	0.001913	0.282878	0.000017	13.4	0.6	544	589	-0.94
14DX8-1-05	463	0.041756	0.001564	0.282908	0.000016	14.5	0.6	495	514	-0.95
14DX8-1-06	463	0.054224	0.002047	0.282920	0.000016	14.8	0.6	484	496	-0.94
14DX8-1-07	463	0.101256	0.003711	0.282898	0.000017	13.5	0.6	541	579	-0.89
14DX8-1-08	463	0.029198	0.001133	0.282904	0.000017	14.5	0.6	495	514	-0.97
14DX8-1-09	463	0.045358	0.001734	0.282878	0.000016	13.4	0.6	541	585	-0.95
14DX8-1-10	463	0.029554	0.001160	0.282861	0.000016	13.0	0.6	557	612	-0.97
14DX8-1-11	463	0.034130	0.001343	0.282864	0.000015	13.1	0.5	554	608	-0.96
14DX8-1-12	463	0.019799	0.000792	0.282890	0.000015	14.1	0.5	511	540	-0.98