

**Table 4.** Whole rock Nd-Pb isotopic compositions of meta-volcanic rocks from the Xileng Formation

Sample	Sm (ppm)	Nd (ppm)	$^{147}\text{Sm}/^{144}\text{Nd}$	$^{143}\text{Nd}/^{144}\text{Nd}$	$2\sigma$	$\epsilon_{\text{Nd}}(t)$	$T_{\text{DM1}}$	$T_{\text{DM2}}$	$^{206}\text{Pb}/^{204}\text{Pb}$	$2\sigma$	$^{207}\text{Pb}/^{204}\text{Pb}$	$2\sigma$	$^{208}\text{Pb}/^{204}\text{Pb}$	$2\sigma$
Chuzhou, early-stage														
XL02	3.03	18.17	0.1007	0.511577	0.000008	-11.03	2.11	2.35	16.3282	0.0010	15.3157	0.0009	36.9317	0.0022
Chuzhou, late-stage														
XL06	6.21	30.46	0.1232	0.512111	0.000007	-3.34	1.75	1.69	17.2062	0.0012	15.4652	0.0011	37.8386	0.0026
XL13	2.18	12.97	0.1014	0.512015	0.000008	-2.54	1.54	1.67	17.7386	0.0009	15.5096	0.0008	38.5032	0.0019
Feidong, late-stage														
XL15	4.50	23.04	0.1182	0.512169	0.000009	-1.73	1.56	1.56	17.1014	0.0014	15.4797	0.0012	37.9261	0.0030
XL17	5.03	22.39	0.1357	0.512333	0.000008	-0.19	1.59	1.44	16.7106	0.0012	15.4306	0.0011	37.4871	0.0026
Lujiang, late-stage														
XL18	4.29	24.20	0.1071	0.512109	0.000010	-1.86	1.49	1.57	17.4926	0.0010	15.4925	0.0009	38.3408	0.0023
XL19	5.28	29.78	0.1072	0.512068	0.000008	-2.67	1.55	1.64	17.4206	0.0012	15.4894	0.0011	38.0282	0.0026
XL20	5.90	32.26	0.1105	0.511735	0.000009	-9.48	2.08	2.19	17.1222	0.0012	15.4895	0.0011	38.2379	0.0026
Susong, late-stage														
XL21	6.50	31.22	0.1258	0.512264	0.000006	-0.60	1.53	1.47	17.3781	0.0016	15.4900	0.0014	37.8293	0.0033
XL22	4.79	23.40	0.1237	0.512047	0.000006	-4.63	1.86	1.80	17.1365	0.0010	15.4712	0.0009	37.6849	0.0022
XL23	8.84	43.00	0.1242	0.512312	0.000011	0.49	1.43	1.38	17.4093	0.0007	15.4792	0.0006	37.8031	0.0015
XL24	4.28	23.50	0.1101	0.512007	0.000009	-4.13	1.68	1.76	17.5725	0.0011	15.4930	0.0009	38.2456	0.0022
XL25	5.98	27.78	0.1301	0.512306	0.000013	-0.18	1.54	1.44	17.7428	0.0014	15.5231	0.0012	38.1055	0.0030

Nd initial ratio of early-stage volcanic rock is calculated back to 790 Ma, Nd initial ratios of late-stage volcanic rocks are calculated back to 740 Ma.

Two-stage model ages ( $T_{\text{DM2}}$ ) are calculated using present-day ( $^{147}\text{Sm}/^{144}\text{Nd}$ )<sub>DM</sub> of 0.2137, ( $^{143}\text{Nd}/^{144}\text{Nd}$ )<sub>DM</sub> of 0.51315, and ( $^{147}\text{Sm}/^{144}\text{Nd}$ )<sub>C</sub> of 0.118.