

Table A1. Rb–Sr and Sm–Nd isotopic compositions for the middle–late Jurassic granites from the Yiwulüshan batholith, western Liaoning province

Sample	Rock type	Rb (ppm)	Sr (ppm)	⁸⁷ Rb/ ⁸⁶ Sr	⁸⁷ Sr/ ⁸⁶ Sr	2σ	(⁸⁷ Sr/ ⁸⁶ Sr) _t	Sm (ppm)	Nd (ppm)	¹⁴⁷ Sm/ ¹⁴⁴ Nd	¹⁴³ Nd/ ¹⁴⁴ Nd	2σ	ε _{Nd} (0)	ε _{Nd} (t)	T _{DM} (Ma)	T _{DM2} (Ma)
<i>Lüshan, batholith (t = 160 Ma)</i>																
LB-1	granite	75.6	389	0.5626	0.70924	8	0.70792	1.08	6.05	0.1079	0.511447	6	-23.2	-21.4	2442	2682
LB-3	granite	51.7	909	0.1647	0.70774	14	0.70736	1.70	11.7	0.0882	0.511493	5	-22.3	-20.1	2006	2581
LB-4	granite	58.5	805	0.2103	0.70792	18	0.70743	1.81	12.7	0.0861	0.511453	7	-23.1	-20.9	2020	2640
LB-14	granodiorite	109	556	0.5679	0.70784	12	0.70778	5.36	35.0	0.0926	0.511415	7	-23.9	-21.7	2175	2710
LB-17	granite	61.6	908	0.1967	0.70813	6	0.70767	2.50	19.0	0.0794	0.511463	8	-22.9	-20.5	1909	2615
<i>Jianlazi pluton (t = 160 Ma)</i>																
JP-2	granite	95.3	528	0.5278	0.70755	7	0.70626	2.10	11.7	0.1081	0.511469	14	-22.8	-20.9	2423	2657
JP-5	granite	136	932	0.4286	0.70804	19	0.70711	2.00	14.8	0.0818	0.511456	12	-23.1	-20.8	1951	2631
JP-7	granite	63.3	737	0.2487	0.70766	12	0.70705	1.76	13.1	0.0811	0.511342	10	-25.3	-22.8	2071	2810
<i>Hengshan pluton (t = 160 Ma)</i>																
HP-3	granite	113	387	0.8419	0.70718	14	0.70536	3.92	41.6	0.0569	0.511614	5	-20.0	-17.2	1491	2344
HP-5	granite	84.7	637	0.3845	0.70616	14	0.70533	4.88	51.5	0.0573	0.511540	6	-21.4	-18.6	1566	2459
HP-19	granite	81.5	302	0.7894	0.70725	8	0.70545	2.68	16.7	0.0969	0.511578	8	-20.6	-18.7	2044	2460
HP-44	granite	73.4	475	0.4473	0.70649	12	0.70547	2.57	25.4	0.0611	0.511586	10	-20.5	-17.8	1559	2392

Chondrite Uniform Reservoir (CHUR) values (⁸⁷Rb/⁸⁶Sr = 0.0847, ⁸⁷Sr/⁸⁶Sr = 0.7045, ¹⁴⁷Sm/¹⁴⁴Nd = 0.1967, ¹⁴³Nd/¹⁴⁴Nd = 0.512638) are used for the calculation. λ_{Rb} = 1.42×10⁻¹¹ year⁻¹ (Steiger & Jäger, 1977); λ_{Sm} = 6.54×10⁻¹² year⁻¹ (Lugmair & Harti, 1978).