

Supplementary Table 4 LA-ICP-MS zircon U-Pb isotopic analyses for zircon grains from the representative plutons

Spot	Isotope content		Th/U	Ratios								Age(Ma)												
	Th(ppm)	U(ppm)		²⁰⁷ Pb/ ²⁰⁶ Pb		1σ	²⁰⁷ Pb/ ²³⁵ U		1σ	²⁰⁶ Pb/ ²³⁸ U		1σ	²⁰⁸ Pb/ ²³² Th		1σ	²⁰⁷ Pb/ ²⁰⁶ Pb		1σ	²⁰⁷ Pb/ ²³⁵ U		1σ	²⁰⁶ Pb/ ²³⁸ U		1σ
<i>Qingduxiang granodiorite (N29°52'49.6", E88°19'51.5")</i>																								
QDX-0-1	903	866	1.0	0.0508	0.0086	0.0568	0.0082	0.0081	0.0004	0.0025	0.0002	232	352	56	8	52	2							
QDX-0-2	758	1148	0.7	0.0494	0.0056	0.0532	0.0049	0.0080	0.0002	0.0025	0.0001	165	248	53	5	52	1							
QDX-0-3	699	1057	0.7	0.0490	0.0069	0.0585	0.0069	0.0087	0.0002	0.0034	0.0002	146	309	58	7	56	2							
QDX-0-4	813	891	0.9	0.0582	0.0158	0.0559	0.0110	0.0085	0.0004	0.0028	0.0002	600	443	55	11	55	3							
QDX-0-5	725	1049	0.7	0.0486	0.0049	0.0559	0.0056	0.0086	0.0002	0.0025	0.0001	128	222	55	5	55	1							
QDX-0-6	834	1143	0.7	0.0517	0.0068	0.0568	0.0058	0.0086	0.0002	0.0026	0.0001	272	274	56	6	55	2							
QDX-0-7	1987	1851	1.1	0.0442	0.0042	0.0515	0.0038	0.0083	0.0002	0.0026	0.0001	-	-	51	4	53	1							
QDX-0-8	1071	1125	1.0	0.0470	0.0058	0.0511	0.0055	0.0082	0.0002	0.0024	0.0001	56	265	51	5	52	2							
QDX-0-9	611	990	0.6	0.0492	0.0076	0.0539	0.0078	0.0085	0.0003	0.0026	0.0002	167	320	53	7	55	2							
QDX-0-10	698	1052	0.7	0.0522	0.0090	0.0588	0.0080	0.0087	0.0004	0.0030	0.0002	295	361	58	8	56	3							
QDX-0-11	851	1228	0.7	0.0481	0.0056	0.0564	0.0053	0.0086	0.0003	0.0031	0.0002	106	261	56	5	55	2							
QDX-0-12	1665	1558	1.1	0.0477	0.0045	0.0545	0.0044	0.0084	0.0002	0.0028	0.0001	87	207	54	4	54	1							
QDX-0-13	720	1034	0.7	0.0450	0.0074	0.0527	0.0064	0.0084	0.0003	0.0027	0.0002	-	-	52	6	54	2							
QDX-0-14	532	853	0.6	0.0505	0.0060	0.0603	0.0054	0.0092	0.0002	0.0030	0.0002	217	256	59	5	59	2							
QDX-0-15	753	1116	0.7	0.0485	0.0052	0.0536	0.0047	0.0084	0.0002	0.0034	0.0002	124	243	53	4	54	1							
QDX-0-16	702	1059	0.7	0.0479	0.0072	0.0542	0.0072	0.0086	0.0002	0.0032	0.0002	100	313	54	7	55	2							
QDX-0-17	676	1033	0.7	0.0521	0.0082	0.0595	0.0083	0.0089	0.0003	0.0030	0.0002	300	317	59	8	57	2							
QDX-0-18	1895	1822	1.0	0.0522	0.0063	0.0556	0.0064	0.0078	0.0002	0.0030	0.0002	295	256	55	6	50	2							
QDX-0-19	660	1014	0.7	0.0512	0.0078	0.0544	0.0080	0.0087	0.0003	0.0030	0.0002	250	318	54	8	56	2							
QDX-0-20	644	653	1.0	0.0464	0.0105	0.0566	0.0159	0.0086	0.0004	0.0030	0.0003	20	467	56	15	55	2							
QDX-0-21	550	705	0.8	0.0524	0.0114	0.0527	0.0091	0.0084	0.0006	0.0024	0.0003	302	443	52	9	54	4							
QDX-0-22	695	1056	0.7	0.0518	0.0064	0.0594	0.0058	0.0090	0.0003	0.0033	0.0002	280	259	59	6	58	2							
QDX-0-23	922	1210	0.8	0.0453	0.0056	0.0535	0.0059	0.0084	0.0002	0.0027	0.0002	-	-	53	6	54	1							
QDX-0-24	309	526	0.6	0.0527	0.0047	0.2630	0.0218	0.0362	0.0007	0.0128	0.0007	322	204	237	18	229	4							
QDX-0-25	890	1252	0.7	0.0486	0.0029	0.2516	0.0143	0.0374	0.0006	0.0129	0.0005	128	133	228	12	237	4							
<i>Longge'er gabbro (N31°07'30.8", E83°51'30.5")</i>																								
LGR-0-1	223	345	0.7	0.0472	0.0063	0.0524	0.0068	0.0082	0.0002	0.0027	0.0002	61	289	52	7	53	1							

LGR-0-2	725	899	0.8	0.0459	0.0042	0.1149	0.0106	0.0177	0.0004	0.0055	0.0002	-	-	110	10	113	3
LGR-0-3	159	209	0.8	0.0532	0.0110	0.1250	0.0272	0.0170	0.0006	0.0053	0.0005	339	411	120	25	108	4
LGR-0-4	360	373	1.0	0.0473	0.0111	0.0573	0.0201	0.0082	0.0004	0.0027	0.0002	65	481	57	19	53	2
LGR-0-5	205	358	0.6	0.0506	0.0041	0.1166	0.0082	0.0175	0.0003	0.0053	0.0003	339	241	116	10	110	3
LGR-0-6	219	214	1.0	0.0532	0.0056	0.1208	0.0113	0.0173	0.0004	0.0058	0.0002	350	304	122	14	115	3
LGR-0-7	476	373	1.3	0.0535	0.0071	0.1281	0.0154	0.0179	0.0005	0.0056	0.0003	233	182	112	7	112	2
LGR-0-8	155	270	0.6	0.0520	0.0096	0.0565	0.0081	0.0080	0.0003	0.0028	0.0003	287	374	56	8	51	2
LGR-3-9	163	204	0.8	0.0453	0.0047	0.1103	0.0106	0.0184	0.0004	0.0046	0.0002	-	-	106	10	117	3
LGR-0-10	247	262	0.9	0.0541	0.0074	0.1272	0.0154	0.0175	0.0006	0.0038	0.0003	376	311	122	14	112	4
LGR-0-11	296	487	0.6	0.0454	0.0062	0.0514	0.0063	0.0087	0.0003	0.0020	0.0001	-	-	51	6	56	2
LGR-0-12	417	286	1.5	0.0456	0.0051	0.1121	0.0118	0.0178	0.0004	0.0040	0.0002	-	-	108	11	114	3
LGR-0-13	763	447	1.7	0.0551	0.0089	0.1272	0.0177	0.0172	0.0006	0.0041	0.0002	413	365	122	16	110	4
LGR-0-14	169	289	0.6	0.0535	0.0062	0.0600	0.0057	0.0085	0.0003	0.0026	0.0002	350	258	59	5	55	2

Notes: The errors are 1σ , which represent the standard deviation; "-" = under detection; common Pb was corrected by using the measured ^{204}Pb . Common Pb was corrected by assuming $^{206}\text{Pb}/^{238}\text{U}$ – $^{207}\text{Pb}/^{235}\text{U}$ age-concordance.