

Table 9s U-Pb data for Dabie Zircon

Analysis	Zircon type	Pb <sup>a</sup> [ppm]	U <sup>a</sup> [ppm]	Th/U	<sup>207</sup> Pb <sup>b</sup> [cps]	<sup>238</sup> U <sup>b</sup> [cps]	RATIOS						AGES [Ma]						
							<sup>207</sup> Pb/ <sup>206</sup> Pb <sup>c</sup>	2s	<sup>207</sup> Pb/ <sup>235</sup> U <sup>c</sup>	2s	<sup>206</sup> Pb/ <sup>238</sup> U <sup>c</sup>	2s	rho <sup>d</sup>	<sup>207</sup> Pb/ <sup>206</sup> Pb	2s	<sup>207</sup> Pb/ <sup>235</sup> U	2s	<sup>206</sup> Pb/ <sup>238</sup> U	2s
146-3a5	inherited	4	21	1.276	79	12108	0.0644	0.0072	1.0502	0.1314	0.1196	0.0096	0.64	754	246	729	65	729	55
146-3a6	inherited	8	47	1.058	178	27157	0.0625	0.0037	1.0523	0.0671	0.1225	0.0044	0.56	700	120	730	33	745	25
146-3a7	inherited	10	53	1.500	212	30462	0.0648	0.0060	1.1038	0.0979	0.1239	0.0034	0.31	769	131	755	47	753	20
146-3a8	inherited	16	75	1.964	296	43286	0.0643	0.0036	1.0895	0.0543	0.1232	0.0033	0.54	754	115	748	26	749	19
146-3b4	inherited	71	308	2.070	871	109539	0.0674	0.0021	1.2983	0.0529	0.1400	0.0042	0.73	850	67	845	23	845	23
146-3b5	inherited	54	240	1.823	698	87109	0.0676	0.0025	1.2843	0.0542	0.1383	0.0040	0.69	857	72	839	24	835	23
146-3c2	inherited	7	32	1.603	110	13923	0.0674	0.0050	1.2919	0.1105	0.1391	0.0051	0.43	850	153	842	49	840	29
146-3e5	inherited	8	49	1.164	128	19107	0.0649	0.0053	1.0879	0.0958	0.1223	0.0052	0.49	770	170	748	47	744	30
146-20f3	inherited	12	57	1.785	149	21287	0.0641	0.0045	1.0895	0.0787	0.1233	0.0024	0.27	744	83	748	38	749	14
146-3a1	metamorphic	12	308	0.016	272	170411	0.0520	0.0029	0.2583	0.0163	0.0363	0.0016	0.71	283	126	233	13	230	10
146-3a2	metamorphic	14	327	0.033	295	181442	0.0510	0.0032	0.2542	0.0160	0.0363	0.0013	0.56	239	157	230	13	230	8
146-3a3	metamorphic	9	221	0.013	200	123645	0.0515	0.0031	0.2570	0.0162	0.0363	0.0012	0.52	261	141	232	13	230	7
146-3a4	metamorphic	14	345	0.068	313	196896	0.0506	0.0030	0.2534	0.0171	0.0362	0.0011	0.46	220	146	229	14	229	7
146-3b1	metamorphic	20	529	0.011	270	166347	0.0510	0.0022	0.2552	0.0122	0.0364	0.0009	0.53	239	109	231	10	230	6
146-3b2	metamorphic	27	699	0.017	367	224230	0.0520	0.0020	0.2607	0.0117	0.0364	0.0010	0.59	287	85	235	9	231	6
146-3b3	metamorphic	13	317	0.042	169	106381	0.0506	0.0040	0.2557	0.0225	0.0366	0.0012	0.39	233	194	231	18	232	8
146-3c1	metamorphic	12	317	0.003	194	129966	0.0517	0.0031	0.2528	0.0174	0.0356	0.0013	0.52	272	128	229	14	226	8
146-3e1	metamorphic	4	94	0.002	61	37811	0.0515	0.0080	0.2552	0.0358	0.0365	0.0012	0.24	265	318	231	29	231	8
146-3e2	metamorphic	36	944	0.011	628	377892	0.0512	0.0018	0.2541	0.0101	0.0360	0.0008	0.54	254	81	230	8	228	5
146-3e3	metamorphic	22	538	0.005	343	213667	0.0508	0.0027	0.2541	0.0154	0.0362	0.0009	0.43	235	124	230	12	229	6
146-3e4	metamorphic	12	311	0.005	202	122625	0.0503	0.0030	0.2524	0.0160	0.0364	0.0011	0.47	209	137	229	13	231	7
146-20f1	metamorphic	17	469	0.010	278	176693	0.0510	0.0025	0.2512	0.0130	0.0357	0.0008	0.43	243	113	228	11	226	5
146-20f2	metamorphic	18	423	0.020	267	158233	0.0503	0.0046	0.2510	0.0241	0.0364	0.0024	0.69	209	200	227	20	230	15

<sup>a</sup> U and Pb concentrations and Th/U ratios are calculated relative to NIST 610 with laser fluence of 4 J/cm<sup>2</sup> and repetition of 4 Hz

<sup>b</sup> Within-run background-corrected mean <sup>207</sup>Pb and <sup>238</sup>U signal in counts per second [cps]

<sup>c</sup> Corrected for background and within-run Pb/U fractionation and normalised to reference zircon GJ-1 ; <sup>207</sup>Pb/<sup>235</sup>U calculated using (<sup>207</sup>Pb/<sup>206</sup>Pb)/(<sup>238</sup>U/<sup>206</sup>Pb \* 1/137.818)

<sup>d</sup> Rho is the error correlation defined as the quotient of the propagated relative errors of the <sup>206</sup>Pb/<sup>238</sup>U and the <sup>207</sup>Pb/<sup>235</sup>U ratio