

Table A2 The U–Pb isotopic data of IS2 (tuff sample) and secondary standard zircons.

C (D): concordant (discordant) data.

	Th/U	$^{207}\text{Pb}/^{206}\text{Pb}$	Error	$^{207}\text{Pb}/^{235}\text{U}$	Error	$^{206}\text{Pb}/^{238}\text{U}$	Error	$^{207}\text{Pb}/^{206}\text{Pb}$	Error	$^{207}\text{Pb}/^{235}\text{U}$	Error	$^{206}\text{Pb}/^{238}\text{U}$	Error	memo
			(2SD)		(2SD)		(2SD)	date (Ma)	(2SD)	date (Ma)	(2SD)	date (Ma)	(2SD)	
IS2-01	2.24	0.058851	± 0.011025	0.084183	± 0.016242	0.010375	± 0.000479			82.1 ± 15.8		66.5 ± 3.1		C
IS2-02	0.74	0.098669	± 0.015190	0.136707	± 0.022048	0.010049	± 0.000483			130.1 ± 21.0		64.5 ± 3.1		D
IS2-03	2.10	0.049012	± 0.006919	0.064946	± 0.009431	0.009611	± 0.000328			63.9 ± 9.3		61.7 ± 2.1		C
IS2-04	1.29	0.062415	± 0.013520	0.086812	± 0.019373	0.010088	± 0.000541			84.5 ± 18.9		64.7 ± 3.5		C
IS2-05	0.48	0.068292	± 0.016097	0.157585	± 0.038339	0.016736	± 0.001009			148.6 ± 36.1		107.0 ± 6.5		D
IS2-06	1.54	0.046002	± 0.005944	0.067047	± 0.008918	0.010571	± 0.000334			65.9 ± 8.8		67.8 ± 2.1		C
IS2-07	1.18	0.096475	± 0.034317	0.151784	± 0.056230	0.011411	± 0.001181			143.5 ± 53.2		73.1 ± 7.6		D
IS2-08	1.30	0.073787	± 0.020561	0.101987	± 0.029421	0.010025	± 0.000748			98.6 ± 28.4		64.3 ± 4.8		D
IS2-09	0.88	0.079671	± 0.012397	0.117631	± 0.019158	0.010708	± 0.000515			112.9 ± 18.4		68.7 ± 3.3		D
IS2-10	0.43	0.055221	± 0.013020	0.096034	± 0.023315	0.012613	± 0.000730			93.1 ± 22.6		80.8 ± 4.7		C
IS2-11	1.11	0.077685	± 0.014482	0.107836	± 0.020952	0.010068	± 0.000551			104.0 ± 20.2		64.6 ± 3.5		D
IS2-12	1.07	0.061649	± 0.026639	0.092540	± 0.041045	0.010887	± 0.001089			89.9 ± 39.9		69.8 ± 7.0		C
IS2-13	0.87	0.089641	± 0.025149	0.116120	± 0.033924	0.009395	± 0.000766			111.5 ± 32.6		60.3 ± 4.9		D
IS2-14	2.49	0.050162	± 0.004579	0.068931	± 0.006720	0.009966	± 0.000341			67.7 ± 6.6		63.9 ± 2.2		C
IS2-15	0.65	0.125659	± 0.016494	0.246122	± 0.034698	0.014205	± 0.000731			223.4 ± 31.5		90.9 ± 4.7		D
IS2-16	1.00	0.087966	± 0.018699	0.116301	± 0.025862	0.009589	± 0.000626			111.7 ± 24.8		61.5 ± 4.0		D
IS2-17	0.64	0.059111	± 0.014290	0.086704	± 0.021640	0.010638	± 0.000660			84.4 ± 21.1		68.2 ± 4.2		C
IS2-18	0.93	0.082829	± 0.011437	0.121083	± 0.017656	0.010602	± 0.000497			116.0 ± 16.9		68.0 ± 3.2		D
IS2-19	1.18	0.116181	± 0.032835	0.167996	± 0.049946	0.010487	± 0.000968			157.7 ± 46.9		67.3 ± 6.2		D
IS2-20	1.15	0.058405	± 0.010400	0.082259	± 0.015207	0.010215	± 0.000507			80.3 ± 14.8		65.5 ± 3.3		C
IS2-21	1.11	0.052796	± 0.016916	0.078994	± 0.025980	0.010851	± 0.000806			77.2 ± 25.4		69.6 ± 5.2		C
IS2-22	1.24	0.204340	± 0.021963	0.386243	± 0.045933	0.013709	± 0.000698			331.6 ± 39.4		87.8 ± 4.5		D
IS2-23	6.89	0.076747	± 0.019243	0.119392	± 0.031103	0.011283	± 0.000798			114.5 ± 29.8		72.3 ± 5.1		D
IS2-24	1.13	0.051225	± 0.016401	0.071271	± 0.023410	0.010091	± 0.000740			69.9 ± 23.0		64.7 ± 4.7		C
IS2-25	0.97	0.108198	± 0.014849	0.157398	± 0.022997	0.010551	± 0.000529			148.4 ± 21.7		67.7 ± 3.4		D
IS2-26	0.99	0.043959	± 0.012484	0.060266	± 0.017528	0.009943	± 0.000624			59.4 ± 17.3		63.8 ± 4.0		C
IS2-27	1.00	0.059853	± 0.009509	0.081349	± 0.013459	0.009857	± 0.000455			79.4 ± 13.1		63.2 ± 2.9		D
91500-01	0.35	0.078590	± 0.006395	1.831662	± 0.161066	0.178791	± 0.005009	1161.8 ± 94.5		1056.8 ± 92.9		1060.4 ± 29.7		C
91500-02	0.33	0.078445	± 0.006142	1.787164	± 0.154694	0.174167	± 0.005708	1158.1 ± 90.7		1040.8 ± 90.1		1035.0 ± 33.9		C
91500-03	0.34	0.077569	± 0.006051	1.853598	± 0.159919	0.177931	± 0.006203	1135.8 ± 88.6		1064.7 ± 91.9		1055.7 ± 36.8		C
91500-04	0.33	0.073852	± 0.006295	1.805777	± 0.166504	0.177338	± 0.006237	1037.4 ± 88.4		1047.5 ± 96.6		1052.4 ± 37.0		C
OD-3-01	0.84	0.049796	± 0.024772	0.032307	± 0.016389	0.004705	± 0.000467			32.3 ± 16.4		30.3 ± 3.0		C
OD-3-02	0.95	0.045282	± 0.012039	0.032562	± 0.008866	0.005215	± 0.000306			32.5 ± 8.9		33.5 ± 2.0		C
OD-3-03	0.96	0.044377	± 0.014948	0.032497	± 0.011190	0.005311	± 0.000380			32.5 ± 11.2		34.1 ± 2.4		C
OD-3-04	1.37	0.045951	± 0.009976	0.031645	± 0.007067	0.004995	± 0.000261			31.6 ± 7.1		32.1 ± 1.7		C