

Supplemental Material

Jian-Kang Yi, Di-Cheng Zhu*, Roberto F. Weinberg, Qing Wang, Jin-Cheng Xie,
Liang-Liang Zhang, Zhi-Dan Zhao. Origin of Tibetan post-collisional high-K adakitic
granites: anatexis of intermediate to felsic arc rocks

1. Supplemental Figures

Figure S1

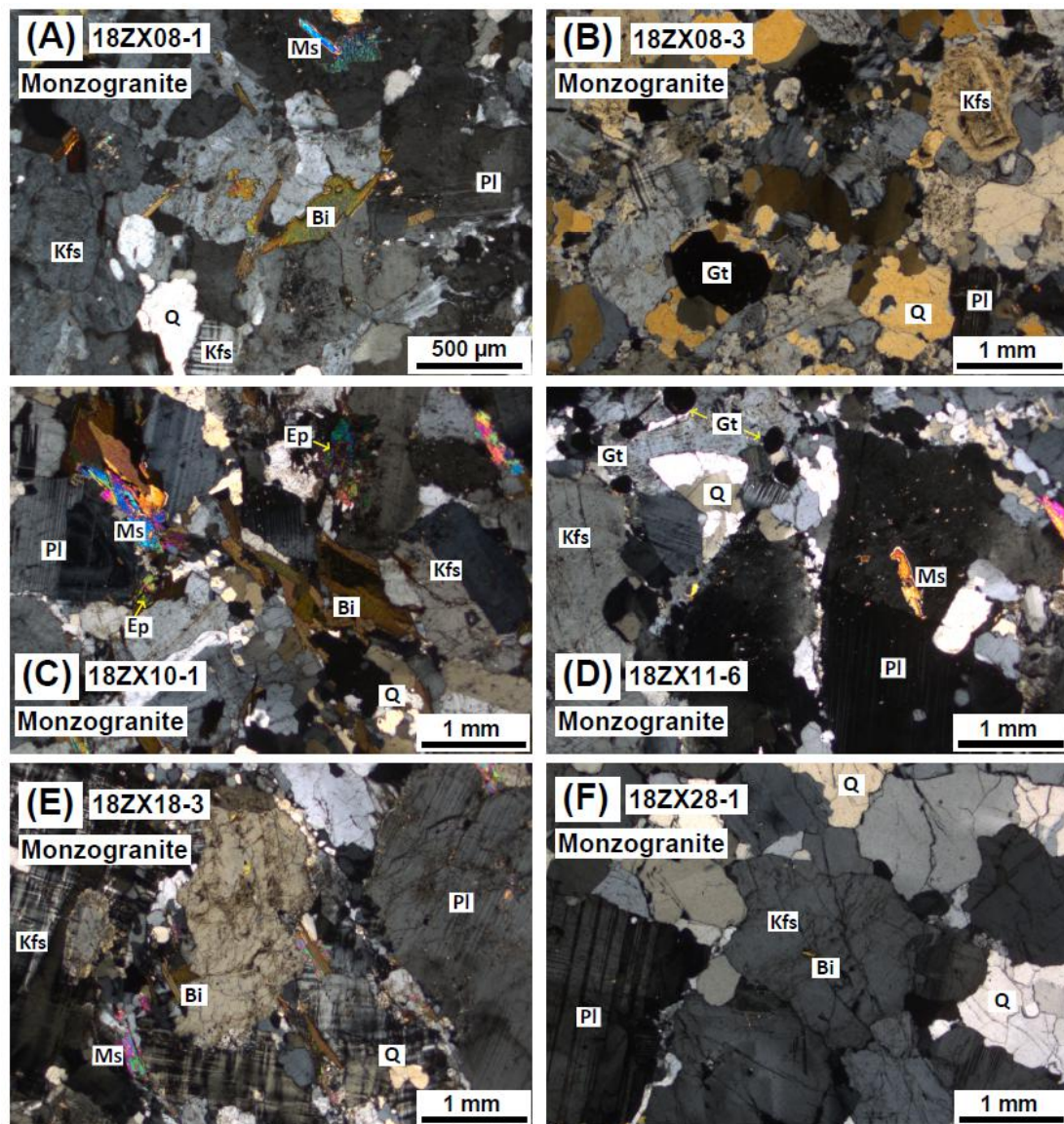


Figure DR1. Photomicrographs of post-collisional high-K adakitic granites from the

Zharao Pluton in eastern Gangdese belt. Abbreviations: Bi = biotite, Gt = garnet, Ms = muscovite, Ep = epidote, Kfs = K-feldspar, Pl = plagioclase, Q = quartz. High-K adakitic granites are mainly monzogranites with minor biotite $\pm$ muscovite $\pm$ garnet $\pm$ epidote. The mafic mineral abundance in these rocks is low, generally less than 5%. No amphibole was found in any granite sample.

Figure S2

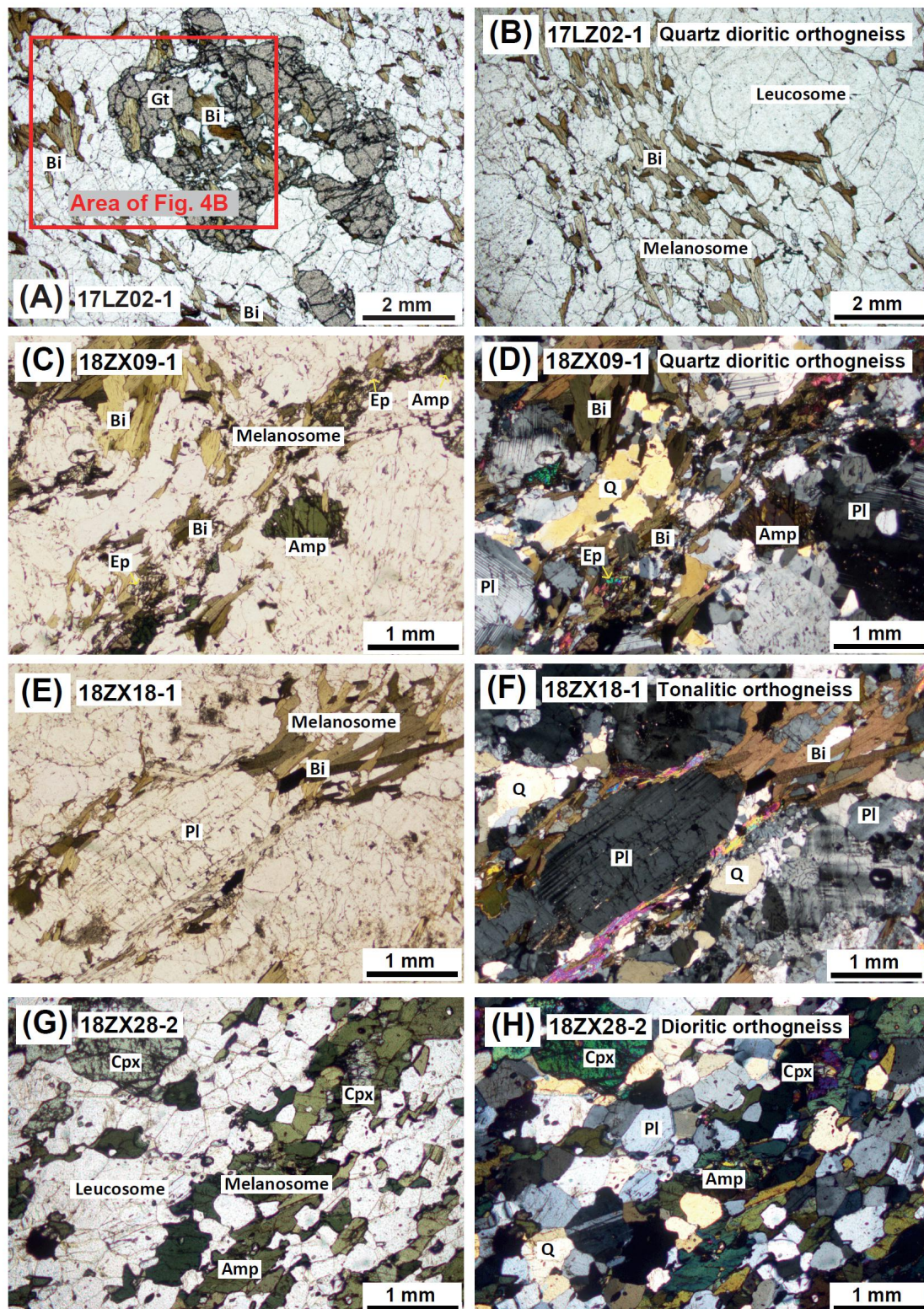


Fig. DR2 Photomicrographs of syn-collisional migmatitic intermediate-felsic orthogneiss samples, showing (a) foliation and gneissic structure of the dioritic, quartz dioritic and tonalitic orthogneisses, comprising melanosome and leucosome, (b)

biotite as the dominant mafic mineral in the melanosome, (c) general mineral assemblage of the orthogneisses consisting of biotite, garnet, amphibole, plagioclase, quartz and minor epidote and clinopyroxene. Abbreviations: Bi = biotite, Gt = garnet, Amp = amphibole, Pl = plagioclase, Q = quartz, Ep = epidote, Cpx = clinopyroxene.

Figure S3

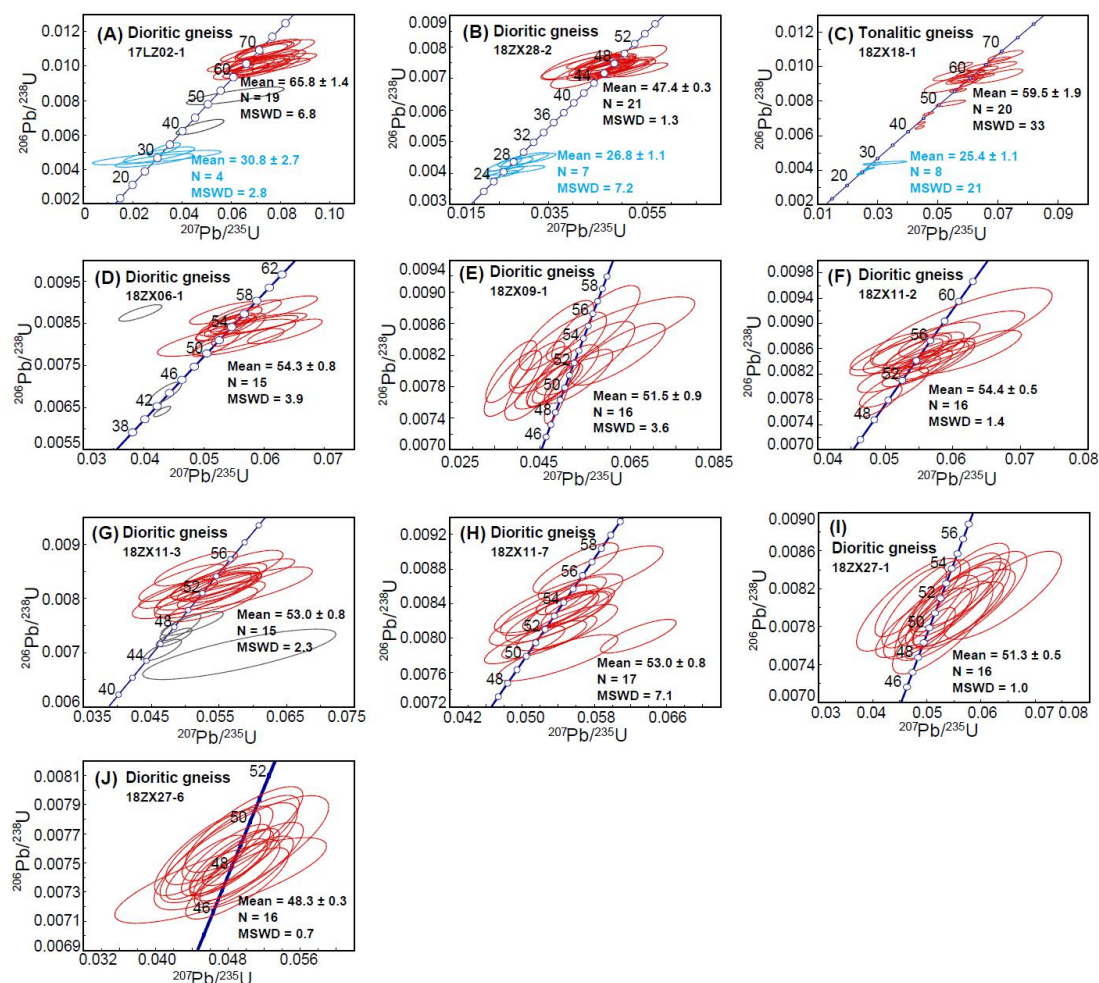


Fig. DR3 Laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) U-Pb zircon ages of migmatitic orthogneisses. The samples have syn-collisional magmatic protolith ages of 66–48 Ma, and samples in F and I also yield younger Oligocene zircon rims indicating the time of anatexis.

Figure S4 (part 1)

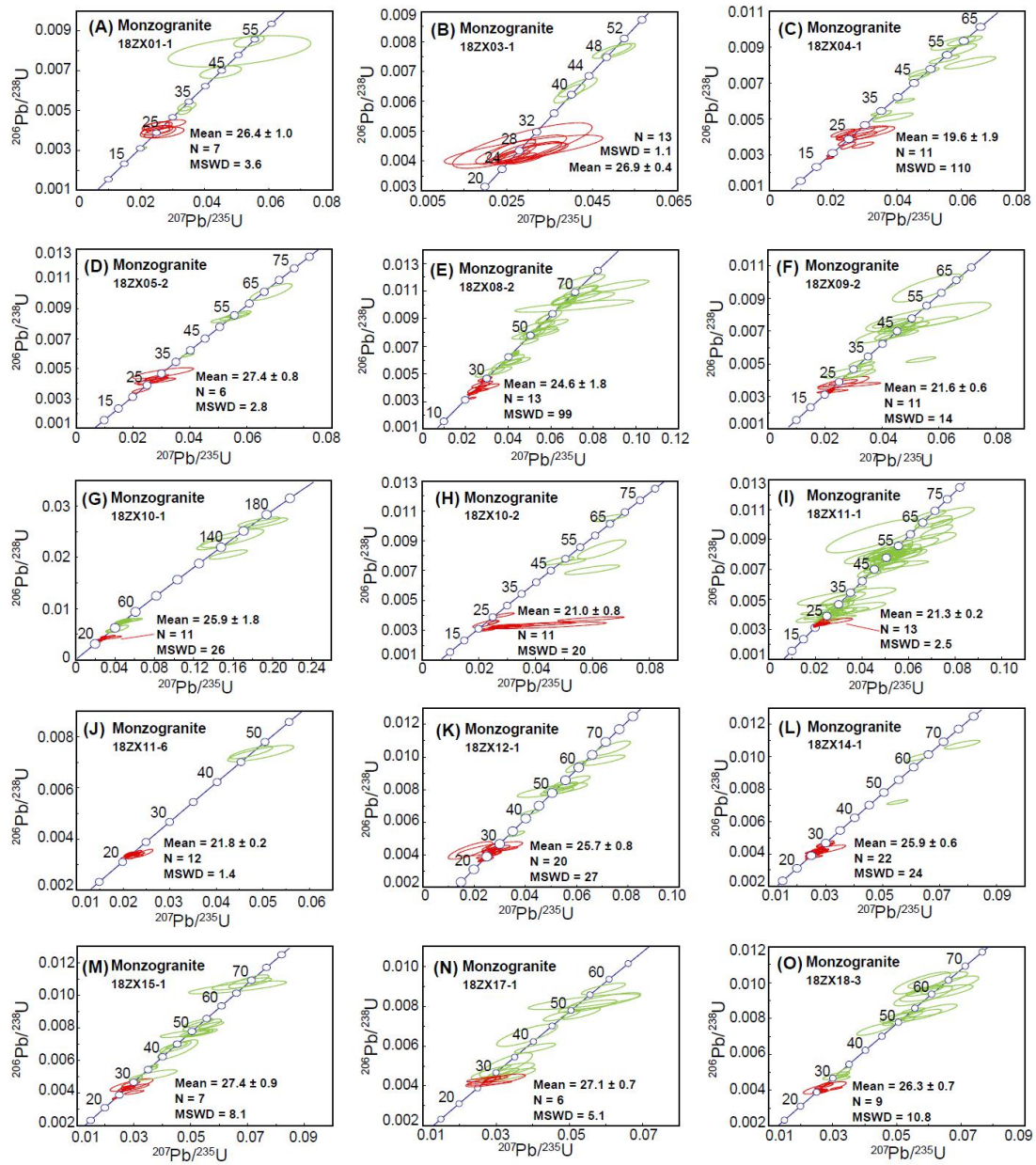


Figure DR4. Laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) U-Pb zircon ages of Oligocene granites. Two age groups of 66–48 Ma and 30–22 Ma have been identified.

Figure S4 (part 2)

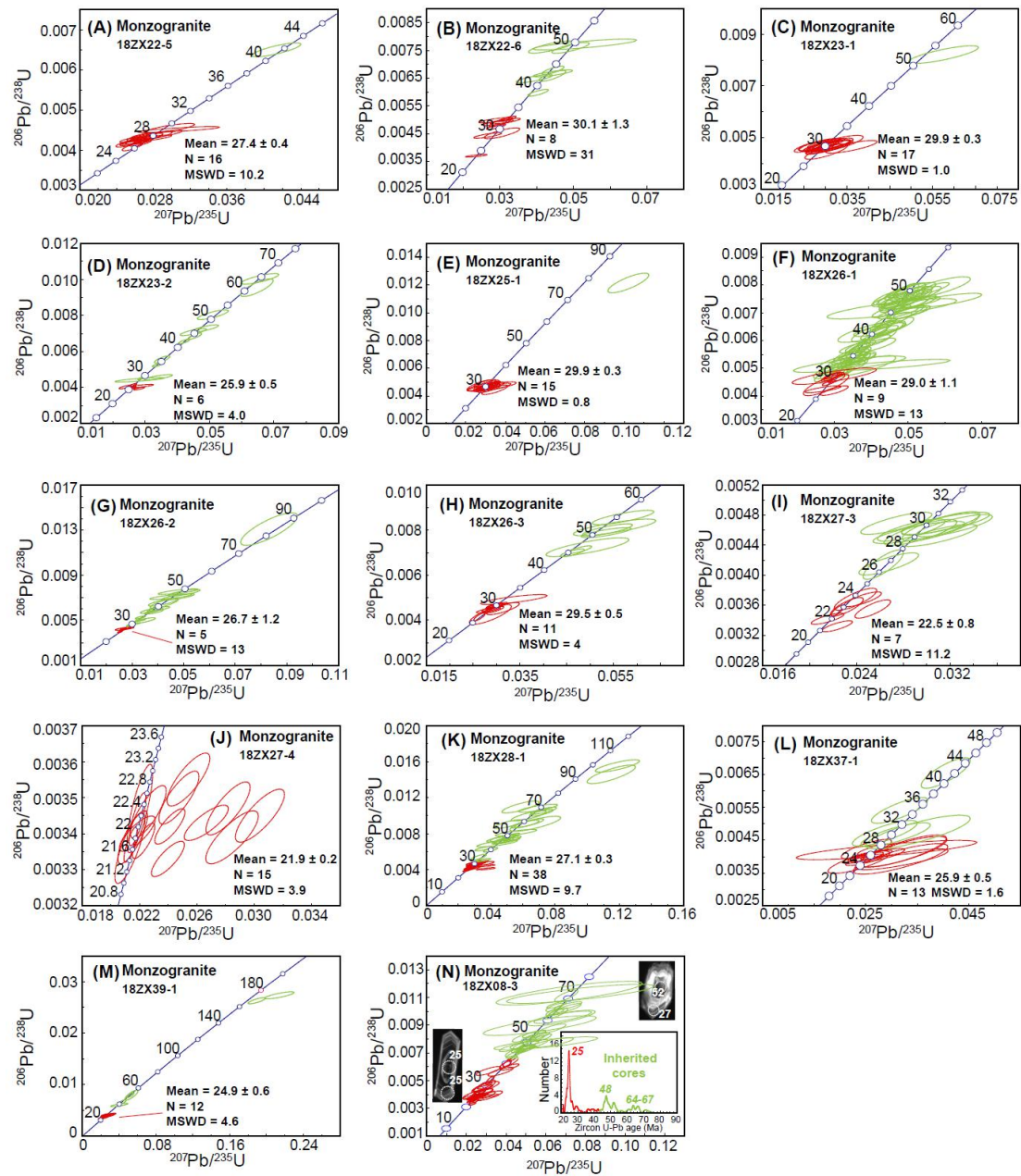


Figure DR4. Laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) U-Pb ages of Oligocene granites. Two age groups of 66–48 Ma and 30–22 Ma have been identified.

Figure S5

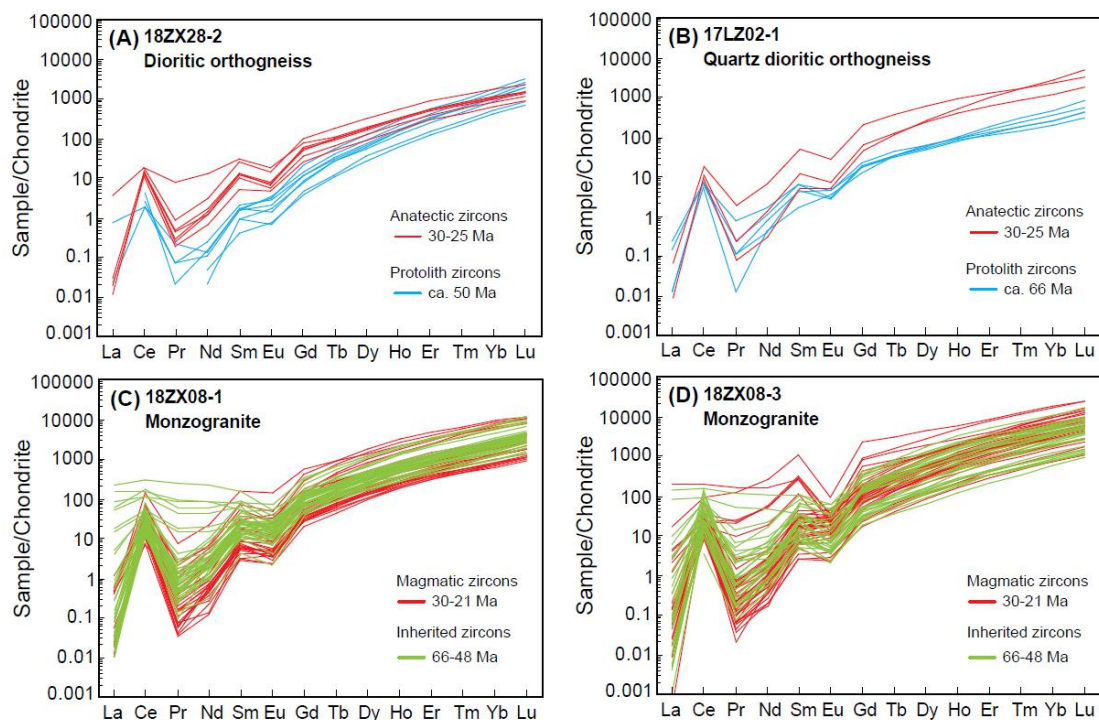


Figure DR5. REE patterns of zircons from post-collisional monzogranites and syn-collisional orthogneisses. Chondrite normalizing values were taken from [Sun and McDonough \(1989\)](#).

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Sun, S. S., and McDonough, W. F., 1989, Chemical and isotopic systematics of oceanic basalts: implications for mantle composition and processes: Geological Society, London, Special Publications, v. 42, p. 313–345.

2. Methods

3.1. LA-ICP-MS zircon U-Pb dating

Zircons were separated from the crushed samples using standard density and magnetic separation techniques in the Laboratory of the Geological Team of Hebei Province, China. The separated zircons were handpicked under a binocular microscope and mounted in epoxy resin, which was then polished until the grain

centers were exposed. Cathodoluminescence (CL) images were obtained using an electron microprobe at the Institute of Geology and Geophysics, China Academy of Sciences (IGGCAS) in Beijing, China, to identify the internal zoning and textures of the zircons.

Zircon LA–ICP–MS U–Pb dating and trace element analyses were conducted synchronously at the Mineral Laser Microprobe Analysis Laboratory (Milma Lab), China University of Geosciences, Beijing (CUGB), China. Laser sampling was performed using a NewWave 193UC excimer laser ablation system. The ablated material was transported by carrier gas into the plasma source of an Agilent 7900 ICP–MS. Detailed setting parameters for the laser ablation system and the ICP–MS instrument are listed in the table below.

Nitrogen was used as a protective gas to prevent energy loss during beam transmission. The laser has a TwoVolume 2 sample cell that is 10 cm × 10 cm × 3 cm in volume. Helium was used as the carrier gas and argon was used as the make-up gas, and they were mixed together by a tubular smoother before entering the ICP. The carrier and make-up gas flows were optimized by a line scan (speed: 5 μm/s; spot size: 25 μm) ablating NIST SRM 610 to obtain maximum signal intensity for ^{238}U (generally >106 counts per second), while minimizing ThO/Th (<0.2) and Ca²⁺/Ca⁺ (<0.7) to reduce matrix-induced interference. To ensure complete atomization and ionization, the ion-signal intensity ratio of ^{238}U and ^{232}Th was measured to approximate 1 for NIST SRM 610. The ^{204}Hg gas background needed to be lower than 400 counts per second for the high-purity argon and helium. ^{204}Pb was unaffected by the presence of ^{204}Hg on account of the background being measured on peaks.

Each analysis consisted of one 18 s integration on peaks with laser warm-up (for background), 50 s integration with the laser firing, and 10 s washout to purge the previous sample and prepare for the next analysis. Agilent MassHunter software was utilized for the acquisition of each analysis. Off-line selection and integration of background and analyte signals, and time-drift correction and quantitative calibration for trace element analyses and U–Pb dating were performed using ICPMSDataCal software (Liu et al., 2008). NIST SRM 610 and ^{91}Zr were used as external reference

material and internal standard, respectively, for calibrating the trace element concentrations. Common Pb corrections were calculated using ComPbCorr#3.17. Concordia diagrams and $^{206}\text{Pb}/^{238}\text{U}$ weighted mean plots were made using Isoplot. Spot size of 25 μm was used for the U-Pb dating.

Zircon 91,500 was used as an external standard for correcting mass discrimination and elemental fractionation for U-Pb dating. The external standard was analyzed twice every 6–8 analyses of zircon samples. Zircon standards GJ-1 and Plesovice were analyzed as unknown samples that were inserted between 91,500 and the samples (e.g., 2 zircon 91,500 + 1 zircon GJ-1 + 1 zircon Plesovice + 6–8 samples + 2 zircon 91,500). We obtained weighted mean $^{206}\text{Pb}/^{238}\text{U}$ ages of 599.2 ± 4.6 Ma (2SD, $n = 4$) for GJ-1 and 336.8 ± 2.9 Ma (2SD, $n = 4$) for Plesovice, which are within error of recommended values ([Jackson et al., 2004](#); [Slama et al., 2008](#)).

Typical operation conditions for LA-ICP-MS analysis in Milma Lab:

ICP-MS conditions	
RF power	1350 W
Sampling depth	7.0 mm
Plasma gas	15 L/min
Auxiliary gas	1 L/min
Make-up gas	0.8 L/min
Dwell time	
^{204}Pb	20 ms
^{206}Pb	20 ms
^{207}Pb	30 ms
^{208}Pb	15 ms
^{232}Th	10 ms
^{238}U	15 ms
Other element	6 ms
Laser parameters	
Wavelength	193 nm
Pulse duration	5 ns
Ablation style	Single spot
Energy density	2–4 J/cm ²
Carrier gas (He)	800–900 ml/min
Ablation spot size	35 μm
Repetition rate	6 Hz

3.2. Zircon Hf isotopic analysis

In-situ zircon Hf isotopic analyses were conducted using a Neptune Plus MC-ICP-MS (Thermal Fisher Scientific, Germany), coupled to a New Wave 193 excimer ArF laser-ablation system at the Milma Lab, China University of Geosciences (Beijing) with a beam size of 35 μm , laser pulse frequency of 8 Hz and energy density of 3.7 J/cm². Makeup gas of argon and carrier gas of helium with the addition of nitrogen mixed in a T-branch pipe prior to introduction into the MC-ICP-MS. In the experiment, L4 to H3 Faraday cups were used to collect ¹⁷¹Yb, ¹⁷³Yb, ¹⁷⁵Lu, ¹⁷⁶Hf, ¹⁷⁷Hf, ¹⁷⁸Hf, ¹⁷⁹Hf, and ¹⁸⁰Hf, respectively with the integration time of 0.131 s. The carrier and makeup gas flows were optimized by a line scan (spot size of 35 μm and scan speed of 5 $\mu\text{m/s}$) ablating NIST SRM 610 to obtain maximum signal intensity for ²³²Th, while minimizing ²³²Th¹⁶O/²³²Th ratio. For each analysis, 50 s integration for gas blank and 50 s integration for signal collection were set up with a total of 800 cycles of raw data. Zircon 91500 (Blichert-Toft, 2008) was used as an external standard for correcting mass discrimination. Zircon standard Plešovice (Sláma et al., 2008) and GJ-1 (Morel et al., 2008) were analyzed as unknown sample that were inserted between zircon 91500 and the samples. Raw data was converted by Neptune Plus software and then performed using Iolite software (Paton et al., 2011).

The initial ¹⁷⁶Hf/¹⁷⁷Hf ratios and $\epsilon_{\text{Hf}}(t)$ values were calculated with the reference to the chondritic reservoir (CHUR) at the time of zircon growth from the magmas. The decay constant for ¹⁷⁶Lu of $1.867 \times 10^{-11} \text{ year}^{-1}$ (Söderlund et al., 2004), the chondritic ¹⁷⁶Hf/¹⁷⁷Hf ratio of 0.282785 and ¹⁷⁶Lu/¹⁷⁷Hf ratio of 0.0336 (Bouvier et al., 2008) were adopted. Depleted mantle model ages (T_{DM}) were calculated with reference to the depleted mantle at a present-day ¹⁷⁶Hf/¹⁷⁷Hf ratio of 0.28325, and ¹⁷⁶Lu/¹⁷⁷Hf = 0.0384 (Griffin et al., 2000). The Hf isotope crustal model age (T_{DM}^{C}) was calculated by assuming that its parental magma was derived from an average

continental crust, with $^{176}\text{Lu}/^{177}\text{Hf} = 0.015$, that originated from the depleted mantle source (Griffin et al., 2002).

3.3. Whole-rock geochemical analysis

Fresh rocks samples were crushed, hand-picked, and then powdered using an agate mill to a grain size < 200 mesh at the Yuneng Mineral Separation Service Company at Langfang, Hebei Province, China.

Major element analyses of whole rock were conducted on Agilent 7700e ICP-MS at the Wuhan SampleSolution Analytical Technology Co., Ltd., Wuhan, China. The sample pretreatment of whole rock major element analysis was made by melting method. The flux is a mixture of lithium tetraborate, lithium metaborate and lithium fluoride (45:10:5), Ammonium nitrate and lithium bromide were used as oxidant and release agent respectively. The melting temperature was 1050 °C and the melting time was 15minutes.

Weighing reagents	Weighing weight
45Li ₂ B ₄ O ₇ :10LiBO ₂ :5LiF	6.0000±0.0002 g
NH ₄ NO ₃	0.30±0.001
sample	0.6000±0.0001 g

Zsx Primus II wavelength dispersive X-ray fluorescence spectrometer (XRF) produced by RIGAKU, Japan was used for the analysis of major elements in the whole rock, The X-ray tube is a 4.0Kw end window Rh target, The test conditions are voltage: 50kV, current: 60mA. All major element analysis lines are $k\alpha$. The standard curve uses the national standard material of China, rock standard sample: GBW07101-14, soil standard sample: GBW07401-08, stream sediment standard sample: GBW07302-12. The data were corrected by theoretical α coefficient method. The relative standard deviation (RSD) is less than 2%.

Trace element analyses of whole rock were conducted on Agilent 7700e ICP-MS at the Wuhan SampleSolution Analytical Technology Co., Ltd., Wuhan, China. The detailed sample-digesting procedure was as follows: (1) Sample powder (200 mesh)

was placed in an oven at 105 °C for drying of 12 hours; (2) 50 mg sample powder was accurately weighed and placed in a Teflon bomb; (3) 1 ml HNO₃ and 1 ml HF were slowly added into the Teflon bomb; (4) Teflon bomb was putted in a stainless steel pressure jacket and heated to 190 °C in an oven for >24 hours; (5) After cooling, the Teflon bomb was opened and placed on a hotplate at 140 °C and evaporated to incipient dryness, and then 1 ml HNO₃ was added and evaporated to dryness again; (6) 1 ml of HNO₃, 1 ml of MQ water and 1 ml internal standard solution of 1ppm In were added, and the Teflon bomb was resealed and placed in the oven at 190 °C for >12 hours; (7) The final solution was transferred to a polyethylene bottle and diluted to 100 g by the addition of 2% HNO₃.

3.4. Mineral geochemistry

Major element analyses of silicate minerals were carried out using JEOL JXA-8100 (a beam current of 20 nA at 15 kV) and EPMA-1720 (a beam current of 10 nA at 15 kV) electron microprobes at the EMPA Laboratory of China University of Geosciences (Beijing). The resolution of electron beams is 1-2 µm for both. Natural minerals and synthetic pure oxides, which were provided by SPI Company USA, were used as standards. The analytical errors are generally less than 2%.

3.5. Phase equilibrium modeling

All equilibria used Perple_X ([Connolly, 2005](#); version 6.7.4) and an internally consistent thermodynamic dataset of [Holland and Powell \(1998\)](#) in the system MnO–Na₂O–CaO–K₂O–FeO–MgO–Al₂O₃–SiO₂–H₂O–TiO₂ (MnNCKFMASHT). Ferric iron was omitted from the model system and the fluid was considered as pure H₂O. The following activity-composition relations were used for modeling: biotite ([Tajčmanová et al., 2009](#)), garnet ([White et al., 2007](#)), amphibole ([Diener et al., 2007](#)), feldspar ([Fuhrman and Lindsley, 1988](#)), white mica ([Coggon and Holland, 2002](#)), cordierite and staurolite ([Holland and Powell, 1998](#)), ilmenite ([White et al., 2007](#)),

chlorite and chloritoid (White et al., 2014), and silicate melt (White et al., 2001). When modeling peritectic garnet compositional isopleths, $X_{\text{Mg}} = \text{Mg}/(\text{Mg} + \text{Fe}^{2+} + \text{Ca} + \text{Mn})$, $X_{\text{Fe}} = \text{Fe}/(\text{Mg} + \text{Fe}^{2+} + \text{Ca} + \text{Mn})$ were used.

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3. Analytical Data

All 41 samples were analyzed for whole-rock chemistry. Whole-rock Sr and Nd isotopes were determined for 7 granitic and 5 migmatitic orthogneiss samples (Table S1). LA-ICP-MS zircon U-Pb dating has been performed on 40 of the 41 samples, with 979 dating spots for 30 granites and 241 spots for 10 migmatitic orthogneisses (Table S2). A total of 205 dated zircon domains from 3 granitic and 4 migmatitic orthogneiss samples were selected for LA-MC-ICP-MS Lu-Hf isotopic analysis (Table S3). Major element analyses of peritectic garnets of one migmatitic orthogneiss sample were carried out using electron microprobe (Table S4).

Table S1. Whole-rock major and trace element data and Sr-Nd isotopic data for Zharao monzogranites and migmatitic orthogneisses

Table S2. LA-ICP-MS zircon U-Pb age and key trace element data for Zharao monzogranites and migmatitic orthogneisses

Table S3. LA-MC-ICP-MS zircon Lu-Hf isotopic data for Zharao monzogranites and migmatitic orthogneisses

Table S4. Major element data for a peritectic garnet grain in migmatitic orthogneiss sample 17LZ02-1

Table S1

Lithology: MG = monzogranite, MO = migmatitic orthogneiss

Sample	18ZX01-1	18ZX03-1	18ZX04-1	18ZX05-1	18ZX05-2	18ZX08-1	18ZX08-2	18ZX08-3	18ZX09-2	18ZX10-1	18ZX10-2
Lithology	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Occurrence	pluton	pluton	pluton	pluton	pluton	pluton	dyke	dyke	dyke	pluton	dyke
Longitude	93.9088	93.9174	93.9267	93.9291	93.9291	93.9397	93.9397	93.9397	93.9408	93.9416	93.9416
Latitude	29.3356	29.3366	29.3367	29.3361	29.3361	29.3357	29.3357	29.3357	29.3349	29.3346	29.3346
Age	26.4	26.9	19.6		27.4	28.3	24.5	18.7	21.5	24.5	20.8
SiO ₂	74.49	74.40	72.64	73.72	73.17	73.72	78.04	75.92	75.95	68.93	76.58
TiO ₂	0.15	0.14	0.17	0.16	0.17	0.14	0.05	0.08	0.10	0.34	0.05
Al ₂ O ₃	13.72	14.15	15.00	14.47	14.65	14.36	12.05	13.78	13.12	16.46	12.98
TFe ₂ O ₃	1.53	1.36	1.61	1.39	1.67	1.31	0.91	0.69	0.99	2.62	0.78
MnO	0.03	0.05	0.06	0.04	0.05	0.07	0.07	0.09	0.05	0.09	0.04
MgO	0.35	0.32	0.41	0.36	0.39	0.32	0.11	0.08	0.20	0.82	0.08
CaO	1.54	1.64	1.95	1.81	1.81	1.67	1.30	1.33	1.30	3.33	1.20
Na ₂ O	3.62	3.71	4.29	3.68	4.07	4.11	3.58	3.98	3.46	4.71	3.37
K ₂ O	3.62	3.89	3.37	3.83	2.99	3.85	3.36	3.89	4.35	1.88	4.48
P ₂ O ₅	0.05	0.05	0.07	0.05	0.04	0.04	0.02	0.01	0.01	0.12	0.01
LOI	0.45	0.41	0.43	0.36	0.50	0.43	0.21	0.31	0.20	0.49	0.22
TOTAL	99.54	100.11	99.98	99.85	99.49	100.01	99.71	100.16	99.74	99.79	99.79
ppm											
Li	20.70	17.73	25.85	23.26	26.13	41.64	11.64	12.09	9.81	40.69	4.90
Be	1.01	0.93	1.23	1.25	1.34	2.57	1.80	2.06	1.94	2.26	1.81
Sc	2.25	2.00	2.11	1.80	3.29	2.49	1.62	2.18	3.27	2.96	1.32

V	7.04	7.83	8.66	9.75	12.48	7.31	4.34	3.93	5.32	21.26	3.47
Cr	0.91	0.82	0.76	4.51	1.05	0.99	0.50	0.43	2.07	3.32	1.92
Co	1.01	1.02	1.22	1.06	1.32	0.82	0.29	0.26	0.67	2.90	0.35
Ni	1.80	1.12	0.73	2.90	1.08	0.76	0.57	0.65	2.19	3.39	1.69
Cu	1.12	0.59	0.84	0.87	0.70	0.48	0.26	0.29	2.90	1.51	1.08
Zn	45.40	34.19	43.61	33.44	38.94	31.39	11.10	12.03	22.17	42.17	13.74
Ga	14.79	14.88	15.62	14.37	14.73	16.55	13.98	16.40	15.39	19.19	14.86
Rb	99.27	99.17	110.99	99.21	90.91	199.08	136.46	169.91	183.65	100.16	159.59
Sr	356.51	403.71	517.26	558.61	471.99	337.58	216.57	131.88	180.26	872.76	162.38
Y	10.29	11.30	9.22	7.70	11.00	11.22	43.13	21.07	22.93	7.79	11.36
Zr	127.04	106.97	121.04	98.21	113.24	94.90	145.23	119.39	93.91	177.32	77.08
Nb	5.72	5.82	7.32	4.93	8.02	11.58	4.80	14.68	12.63	7.96	5.20
Sn	1.02	1.19	1.01	0.80	1.18	2.25	0.83	0.88	1.34	2.52	0.60
Cs	1.56	1.42	3.04	1.61	2.99	3.52	1.31	1.79	2.40	2.59	1.27
Ba	789.50	812.17	949.53	1066.28	898.61	717.61	298.79	145.36	247.95	790.82	219.34
La	33.24	28.74	27.67	28.43	29.81	27.35	12.60	4.14	4.64	32.38	3.74
Ce	62.38	54.77	52.65	52.19	56.06	51.21	25.66	8.28	9.87	59.69	7.28
Pr	6.62	5.90	5.56	5.57	5.88	5.44	2.98	1.02	1.24	6.37	0.89
Nd	22.65	20.56	19.29	18.93	20.18	18.78	11.34	3.90	5.02	21.47	3.37
Sm	3.89	3.76	3.35	3.13	3.33	3.56	3.19	1.29	1.57	3.18	0.86
Eu	0.80	0.71	0.79	0.74	0.77	0.68	0.50	0.39	0.51	1.05	0.55
Gd	2.71	2.56	2.31	2.24	2.43	2.54	3.68	1.68	1.86	2.14	1.12
Tb	0.35	0.33	0.31	0.25	0.30	0.33	0.73	0.33	0.39	0.26	0.24
Dy	1.87	1.81	1.60	1.32	1.89	1.92	5.63	2.68	2.75	1.34	1.54
Ho	0.32	0.38	0.32	0.25	0.36	0.36	1.29	0.72	0.68	0.25	0.33
Er	0.99	1.07	0.92	0.75	1.09	1.08	4.37	2.84	2.02	0.85	1.12

Tm	0.14	0.15	0.14	0.11	0.16	0.16	0.73	0.59	0.38	0.12	0.21
Yb	1.09	1.01	0.94	0.75	1.15	1.31	5.39	5.04	2.61	0.83	1.66
Lu	0.18	0.17	0.15	0.13	0.17	0.20	0.87	0.88	0.45	0.15	0.27
Hf	3.88	3.21	3.37	2.79	3.16	2.63	4.50	4.99	3.49	4.18	2.87
Ta	0.52	0.28	0.41	0.41	0.59	1.16	0.52	1.32	1.10	0.22	0.64
Tl	0.57	0.57	0.63	0.58	0.57	1.16	0.75	0.97	1.03	0.66	0.91
Pb	27.31	28.27	24.48	26.01	26.57	50.19	40.23	49.22	53.38	20.13	50.62
Th	14.55	12.30	13.51	15.75	15.19	15.95	14.24	67.73	33.14	14.39	18.96
U	1.14	0.99	0.98	0.96	2.11	1.51	7.20	26.95	6.72	2.00	3.04
Rb (ppm)							199.08			100.16	
Sr (ppm)							337.58			872.76	
⁸⁷ Rb/ ⁸⁶ Sr							1.7019			0.3312	
⁸⁷ Sr/ ⁸⁶ Sr							0.706680			0.705974	
2σ							0.000005			0.000008	
(⁸⁷ Sr/ ⁸⁶ Sr) _i							0.706076			0.705856	
Sm (ppm)							3.56			3.18	
Nd (ppm)							18.78			21.47	
¹⁴⁷ Sm/ ¹⁴⁴ Nd							0.1145			0.0897	
¹⁴³ Nd/ ¹⁴⁴ Nd							0.512523			0.512501	
2σ							0.000005			0.000005	
(¹⁴³ Nd/ ¹⁴⁴ Nd) _i							0.512504			0.512486	
εNd(<i>t</i>)							-2.0			-2.3	
2σ							0.1			0.1	
<i>t</i> (Ma)							25			25	

Sample	18ZX11-1	18ZX11-6	18ZX12-1	18ZX14-1	18ZX15-1	18ZX17-1	18ZX18-3	18ZX22-5	18ZX22-6	18ZX23-1	18ZX23-2
Lithology	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Occurrence	pluton	dyke	pluton	pluton	pluton	pluton	pluton	pluton	dyke	pluton	dyke
Longitude	93.9468	93.9468	93.9567	93.9725	93.9801	94.0032	94.0090	94.0218	94.0218	94.0244	94.0244
Latitude	29.3330	29.3330	29.3294	29.3224	29.3153	29.3111	29.3073	29.2936	29.2936	29.2902	29.2902
Age	21.2	21.8	24.1	25.9	27.4	27.3	26.0	27.4	30.8	29.9	26.6
SiO ₂	74.43	75.25	69.67	69.71	76.20	70.42	74.19	65.01	74.49	67.95	74.11
TiO ₂	0.11	0.04	0.37	0.40	0.08	0.33	0.10	0.76	0.04	0.47	0.05
Al ₂ O ₃	13.62	13.98	15.66	15.09	13.14	15.35	14.36	14.40	13.99	15.17	14.34
TFe ₂ O ₃	1.22	0.29	2.60	2.92	0.93	2.38	0.89	6.17	0.50	4.00	0.75
MnO	0.05	0.05	0.06	0.06	0.04	0.08	0.03	0.14	0.02	0.11	0.07
MgO	0.24	0.07	0.80	0.97	0.17	0.81	0.23	2.23	0.13	1.86	0.15
CaO	1.34	0.93	2.67	2.80	1.11	2.06	1.84	2.96	1.49	3.30	0.85
Na ₂ O	3.59	3.59	4.07	3.93	3.33	4.57	4.02	3.74	3.64	4.22	4.18
K ₂ O	4.58	5.32	3.17	2.89	4.49	3.31	3.73	3.10	4.98	1.84	5.12
P ₂ O ₅	0.04	0.02	0.14	0.18	0.02	0.15	0.03	0.56	0.02	0.23	0.05
LOI	0.36	0.35	0.69	0.40	0.31	0.44	0.34	0.49	0.14	0.59	0.22
TOTAL	99.58	99.89	99.88	99.34	99.82	99.91	99.76	99.55	99.44	99.74	99.89
ppm											
Li	30.07	6.48	33.33	19.70	23.96	30.79	23.75	151.92	19.58	81.87	11.18
Be	1.94	3.37	1.82	1.68	1.73	2.56	2.41	2.51	3.01	2.97	1.78
Sc	2.88	2.12	3.71	4.81	2.05	5.94	1.90	7.01	0.64	7.93	1.80
V	5.90	2.09	30.99	37.18	5.23	36.19	7.49	106.04	7.08	82.80	10.30
Cr	1.88	1.38	3.89	4.50	1.67	3.59	1.78	6.59	1.71	13.55	1.94

Co	0.77	0.18	3.10	3.91	0.57	3.97	0.95	11.36	0.49	9.61	0.36
Ni	1.79	1.30	3.84	3.87	1.31	3.11	1.66	8.40	1.44	9.56	1.62
Cu	0.51	0.36	2.13	2.31	0.69	13.73	0.82	5.13	1.03	2.03	5.31
Zn	27.63	3.09	54.18	55.94	20.07	56.21	19.59	120.05	9.60	65.87	18.30
Ga	15.64	20.05	17.43	17.90	13.98	20.22	15.14	24.43	15.96	20.73	15.63
Rb	191.20	220.78	100.08	84.00	165.88	159.18	120.90	237.09	147.07	148.64	150.77
Sr	253.06	95.85	679.20	684.57	221.38	440.87	373.68	477.45	389.84	663.38	147.77
Y	11.09	33.07	10.70	7.92	18.01	11.42	16.91	14.00	9.46	15.08	19.33
Zr	86.94	26.41	165.03	167.08	80.54	126.40	63.51	133.27	46.88	143.94	37.48
Nb	11.19	53.97	7.86	7.08	8.78	13.23	7.47	11.62	1.60	10.48	3.24
Sn	1.48	1.13	1.34	1.08	0.94	2.07	0.80	2.05	0.33	1.70	1.74
Cs	3.29	3.34	3.25	1.54	2.39	2.96	3.24	18.87	3.64	11.37	9.08
Ba	642.75	85.56	920.47	794.21	505.81	459.93	695.32	506.94	441.64	466.74	284.48
La	20.48	3.56	35.91	42.86	17.41	33.74	12.78	38.27	10.69	32.29	7.97
Ce	39.77	7.21	68.72	81.65	33.98	64.35	24.71	78.74	22.68	72.05	16.50
Pr	4.52	0.91	7.75	9.01	3.92	7.17	2.84	9.37	2.80	8.55	2.03
Nd	15.94	4.26	26.13	30.51	13.75	25.10	10.11	35.08	10.50	31.36	7.09
Sm	3.01	1.87	3.74	4.09	2.69	3.48	1.94	5.32	2.23	5.11	1.95
Eu	0.67	0.30	1.13	1.10	0.58	0.73	0.79	1.18	0.49	1.19	0.23
Gd	2.47	3.13	2.93	2.96	2.33	2.62	1.80	3.86	2.41	3.82	2.46
Tb	0.35	0.71	0.36	0.32	0.43	0.35	0.38	0.52	0.35	0.50	0.50
Dy	1.86	4.99	1.95	1.59	2.63	1.75	2.45	2.46	1.66	2.81	3.05
Ho	0.32	0.94	0.34	0.28	0.53	0.32	0.48	0.43	0.30	0.54	0.53
Er	0.95	2.78	0.95	0.81	1.62	0.92	1.46	1.21	0.75	1.37	1.40
Tm	0.17	0.52	0.17	0.11	0.29	0.16	0.27	0.18	0.10	0.21	0.24
Yb	1.11	3.79	0.99	0.73	2.01	0.99	1.91	1.23	0.76	1.42	1.72

Lu	0.17	0.60	0.17	0.13	0.32	0.16	0.35	0.23	0.11	0.22	0.26
Hf	2.76	1.78	4.28	4.14	2.60	3.39	2.03	3.70	1.83	4.41	1.35
Ta	1.40	17.54	0.55	0.37	0.69	0.41	1.35	0.77	0.16	1.24	0.19
Tl	1.18	1.10	0.58	0.47	0.91	0.84	0.64	1.44	0.77	0.88	0.77
Pb	42.88	57.87	26.57	21.26	40.36	46.07	39.21	26.88	51.05	24.60	55.99
Th	15.41	10.20	14.50	16.44	23.68	18.07	10.84	19.91	13.79	38.45	5.43
U	1.56	21.46	2.39	1.71	3.82	1.74	4.93	5.86	1.87	8.35	1.61
Rb (ppm)	191.20	220.78						237.09		148.64	
Sr (ppm)	253.06	95.85						477.45		663.38	
⁸⁷ Rb/ ⁸⁶ Sr	2.1805	6.6475						1.4332		0.6467	
⁸⁷ Sr/ ⁸⁶ Sr	0.706789	0.708467						0.706289		0.706243	
2σ	0.000008	0.000006						0.000006		0.000008	
(⁸⁷ Sr/ ⁸⁶ Sr) _i	0.706015	0.706107						0.705780		0.706013	
Sm (ppm)	3.01	1.87						5.32		5.11	
Nd (ppm)	15.94	4.26						35.08		31.36	
¹⁴⁷ Sm/ ¹⁴⁴ Nd	0.1144	0.2653						0.0918		0.0985	
¹⁴³ Nd/ ¹⁴⁴ Nd	0.512541	0.512570						0.512504		0.512515	
2σ	0.000005	0.000010						0.000005		0.000005	
(¹⁴³ Nd/ ¹⁴⁴ Nd) _i	0.512522	0.512527						0.512489		0.512499	
εNd(t)	-1.6	-1.5						-2.3		-2.1	
2σ	0.1	0.2						0.1		0.1	
t (Ma)	25	25						25		25	

Sample	18ZX25-1	18ZX26-1	18ZX26-2	18ZX26-3	18ZX27-3	18ZX27-4	18ZX28-1	18ZX37-1	18ZX39-1
Lithology	MG	MG	MG	MG	MG	MG	MG	MG	MG
Occurrence	pluton	pluton	pluton	dyke	dyke	dyke	dyke	pluton	pluton
Longitude	94.0354	94.0393	94.0393	94.0393	94.0347	94.0347	94.0355	93.8884	93.8992
Latitude	29.2825	29.2684	29.2684	29.2684	29.2586	29.2586	29.2610	29.3412	29.3373
Age	29.9	26.9	23.4	22.2	24.9	21.9	21.5	25.9	24.9
SiO ₂	68.44	67.56	74.85	75.14	68.43	74.04	75.70	73.98	74.44
TiO ₂	0.42	0.48	0.07	0.05	0.06	0.04	0.09	0.10	0.11
Al ₂ O ₃	14.84	16.30	13.78	14.13	17.06	14.34	13.57	14.44	13.83
TFe ₂ O ₃	3.21	3.73	0.48	0.32	0.61	0.65	1.37	0.98	1.13
MnO	0.08	0.07	0.01	0.03	0.01	0.02	0.03	0.06	0.04
MgO	1.49	1.34	0.25	0.14	0.24	0.14	0.53	0.20	0.23
CaO	3.17	3.57	1.37	1.21	1.49	1.07	3.49	1.17	1.17
Na ₂ O	3.68	4.21	2.48	3.67	3.91	3.80	4.50	3.78	3.51
K ₂ O	3.78	1.72	6.39	4.65	6.62	5.18	0.62	4.16	4.43
P ₂ O ₅	0.18	0.19	0.04	0.03	0.03	0.02	0.07	0.05	0.04
LOI	0.54	0.49	0.17	0.26	0.33	0.17	0.28	0.56	0.45
TOTAL	99.82	99.65	99.89	99.63	98.80	99.48	100.22	99.48	99.37
ppm									
Li	38.29	101.74	16.83	14.86	4.72	2.41	4.57	38.19	21.24
Be	2.27	2.47	2.85	1.98	0.52	0.38	1.42	1.89	1.13
Sc	5.35	4.93	1.26	1.03	1.06	1.12	3.00	2.50	1.89
V	65.38	68.14	8.11	6.00	7.24	4.93	15.78	5.49	5.77
Cr	12.33	4.17	0.95	0.96	0.60	0.63	4.58	0.60	0.51

Co	7.98	3.96	1.22	0.59	0.65	0.20	1.95	0.53	0.75
Ni	10.04	3.47	1.68	0.87	0.85	0.49	3.50	0.61	1.18
Cu	3.41	2.01	5.08	1.19	5.25	3.20	9.49	0.79	1.00
Zn	57.55	51.15	10.12	7.85	12.71	12.02	23.25	33.14	35.59
Ga	18.16	23.94	16.03	15.39	13.32	12.06	12.51	17.28	15.30
Rb	138.88	125.18	196.21	138.99	80.43	59.86	7.09	148.28	121.85
Sr	672.29	691.18	233.16	261.24	657.87	306.25	636.19	254.31	280.99
Y	14.67	7.61	6.20	10.57	3.32	4.42	4.36	11.49	12.65
Zr	102.44	79.96	61.91	62.09	30.34	86.06	26.81	69.12	97.97
Nb	9.45	4.96	3.65	2.57	1.51	1.14	1.42	11.17	6.24
Sn	1.66	2.34	0.68	0.89	0.21	0.23	0.76	1.07	1.02
Cs	5.50	14.71	6.49	4.22	0.62	0.37	1.05	3.77	1.65
Ba	755.96	383.06	469.10	434.62	4736.66	1808.49	124.99	590.00	791.54
La	60.07	14.23	8.40	4.31	5.48	15.80	1.45	20.86	25.46
Ce	101.66	29.30	17.68	7.69	10.95	31.48	3.14	36.69	52.86
Pr	10.22	3.40	2.17	0.88	1.32	3.65	0.47	4.10	5.05
Nd	32.65	12.85	8.43	3.47	4.90	12.98	2.08	13.60	17.28
Sm	4.67	2.45	2.24	0.91	0.97	2.20	0.60	2.54	2.85
Eu	1.19	0.68	0.44	0.39	0.40	0.40	0.30	0.47	0.61
Gd	3.35	1.88	1.76	1.00	0.91	1.27	0.59	1.76	2.14
Tb	0.49	0.23	0.25	0.19	0.10	0.15	0.10	0.29	0.32
Dy	2.40	1.35	1.26	1.49	0.58	0.77	0.62	1.79	1.79
Ho	0.45	0.26	0.20	0.33	0.11	0.15	0.12	0.36	0.39
Er	1.32	0.65	0.44	1.08	0.31	0.45	0.35	1.15	1.26
Tm	0.21	0.09	0.06	0.16	0.04	0.07	0.06	0.19	0.17
Yb	1.36	0.65	0.40	1.39	0.30	0.53	0.49	1.48	1.32

Lu	0.23	0.10	0.06	0.20	0.05	0.10	0.08	0.25	0.21
Hf	2.94	2.22	2.48	2.92	1.06	2.73	0.74	2.33	2.92
Ta	1.16	0.44	0.40	0.31	0.15	0.04	0.20	0.78	0.52
Tl	0.73	0.87	1.01	0.67	0.42	0.32	0.07	0.92	0.72
Pb	35.91	13.81	60.99	57.89	48.53	38.00	15.57	30.05	33.86
Th	31.97	6.66	9.52	5.04	2.42	4.41	0.36	10.90	14.40
U	4.46	2.54	1.95	7.30	0.38	0.54	1.01	1.54	1.24
Rb (ppm)							7.09		
Sr (ppm)							636.19		
$^{87}\text{Rb}/^{86}\text{Sr}$							0.0322		
$^{87}\text{Sr}/^{86}\text{Sr}$							0.705228		
2σ							0.000009		
$(^{87}\text{Sr}/^{86}\text{Sr})_i$							0.705217		
Sm (ppm)							0.60		
Nd (ppm)							2.08		
$^{147}\text{Sm}/^{144}\text{Nd}$							0.1730		
$^{143}\text{Nd}/^{144}\text{Nd}$							0.512588		
2σ							0.000008		
$(^{143}\text{Nd}/^{144}\text{Nd})_i$							0.512560		
$\epsilon\text{Nd}(t)$							-0.9		
2σ							0.2		
t (Ma)							25		

Sample	18ZX06-1	18ZX09-1	18ZX11-2	18ZX11-3	18ZX11-7	18ZX18-1	18ZX27-1	18ZX27-6	18ZX28-2	17LZ02-1
Lithology	MO	MO	MO	MO	MO	MO	MO	MO	MO	MO
Occurrence	country rock	country rock	xenolith	xenolith	xenolith	country rock	country rock	country rock	country rock	country rock
Longitude	93.9299	93.9408	93.9468	93.9468	93.9468	94.0081	94.0347	94.0347	94.0355	94.4527
Latitude	29.3361	29.3349	29.3330	29.3330	29.3330	29.3077	29.2586	29.2586	29.2610	29.4333
Age	54.3	51.5	54.4	51.0	52.8	60.3	51.4	48.3	47.4	66.2
SiO ₂	64.46	61.50	67.24	63.75	59.25	72.49	60.00	64.57	55.13	67.76
TiO ₂	0.57	0.72	0.47	0.71	0.80	0.16	0.81	0.55	0.90	0.26
Al ₂ O ₃	16.87	16.51	16.14	16.08	16.92	14.77	16.61	15.68	17.18	18.05
TFe ₂ O ₃	5.45	6.39	4.49	6.06	7.52	1.70	6.66	4.47	7.19	2.11
MnO	0.13	0.12	0.14	0.16	0.17	0.05	0.11	0.08	0.17	0.02
MgO	1.75	2.71	1.19	2.31	3.27	0.37	3.07	2.55	3.72	0.62
CaO	3.98	5.66	3.18	4.49	5.33	2.07	5.93	4.23	8.64	5.04
Na ₂ O	4.35	3.65	4.58	3.72	3.47	4.22	3.88	3.87	5.39	5.10
K ₂ O	1.76	2.01	1.85	1.81	2.27	3.41	1.68	3.58	0.73	0.81
P ₂ O ₅	0.24	0.19	0.16	0.18	0.21	0.06	0.22	0.16	0.31	0.11
LOI	0.68	0.44	0.38	0.43	0.60	0.37	0.62	0.35	0.37	0.35
TOTAL	100.25	99.89	99.83	99.70	99.80	99.66	99.58	100.09	99.72	100.22
ppm										108
Li	71.9	31.55	97.21	56.82	68.97	25.47	10.7	15.0	8.63	4.58
Be	1.68	1.34	1.81	1.92	1.63	1.91	1.03	3.07	2.36	1.36
Sc	8.69	16.30	7.32	12.73	22.34	4.00	12.1	10.8	20.1	3.49
V	69.2	133.09	44.91	118.63	142.52	13.33	136	83.4	140	40.49

Cr	1.21	19.42	2.44	3.01	3.20	2.02	35.3	57.9	23.4	2.38
Co	8.14	16.51	4.58	13.48	18.44	1.75	16.6	12.7	10.2	3.89
Ni	1.78	11.66	2.81	4.35	8.02	2.13	10.6	29.6	8.40	2.25
Cu	9.61	14.68	1.46	9.00	11.50	1.51	2.35	1.31	33.3	6.43
Zn	84.8	70.27	107.39	89.63	82.15	29.85	85.3	63.3	108	27.60
Ga	18.4	17.97	20.37	17.39	19.15	16.63	20.0	19.0	22.2	16.75
Rb	82.6	77.97	146.34	87.07	107.03	118.73	39.9	126	4.10	15.40
Sr	405	463.49	371.88	449.18	457.68	358.57	546	547	738	593.82
Y	22.7	25.14	14.26	16.88	56.33	21.33	14.4	15.1	55.3	5.50
Zr	141	112.76	127.95	98.83	87.82	93.60	82.8	125	191	31.94
Nb	9.13	6.78	14.22	8.18	10.14	9.75	4.87	6.07	9.22	1.40
Sn	2.30	1.59	3.23	1.56	1.89	1.52	0.96	2.42	4.85	0.77
Cs	4.00	2.59	5.40	3.99	4.89	3.75	1.85	7.18	1.03	0.53
Ba	278	464.44	237.03	452.62	369.24	610.21	359	688	73.2	147.59
La	16.5	18.00	52.60	20.78	14.15	21.06	9.21	21.6	25.2	11.09
Ce	32.4	39.29	95.37	39.24	34.80	40.69	22.8	45.0	58.6	21.65
Pr	3.82	5.12	9.85	4.58	5.12	4.79	3.19	5.06	8.48	2.57
Nd	15.0	21.69	33.45	17.92	23.34	16.96	14.0	19.4	38.7	10.40
Sm	3.79	4.89	4.84	3.72	6.05	3.34	3.52	3.91	10.4	2.10
Eu	0.92	1.34	1.03	1.24	1.42	0.82	0.99	0.83	2.77	0.99
Gd	3.69	4.78	3.42	3.38	7.26	3.50	2.85	3.12	10.6	1.67
Tb	0.61	0.75	0.48	0.55	1.44	0.58	0.41	0.46	1.64	0.25
Dy	3.91	4.49	2.69	3.24	9.10	3.27	2.58	2.78	9.83	1.11
Ho	0.83	0.88	0.46	0.60	1.87	0.66	0.49	0.52	1.85	0.20
Er	2.21	2.39	1.36	1.54	5.32	1.88	1.39	1.50	5.25	0.47
Tm	0.30	0.36	0.19	0.25	0.97	0.34	0.20	0.22	0.75	0.07

Yb	1.99	2.22	1.17	1.53	6.18	2.16	1.37	1.41	4.85	0.38
Lu	0.29	0.32	0.17	0.23	0.89	0.38	0.20	0.20	0.68	0.05
Hf	3.44	2.88	3.16	2.39	2.31	2.79	2.29	3.60	5.27	0.90
Ta	0.47	0.40	0.88	0.45	1.03	1.05	0.25	0.57	0.76	0.11
Tl	0.56	0.47	1.05	0.58	0.61	0.61	0.24	0.67	0.068	0.11
Pb	13.5	12.12	18.53	10.00	11.04	32.87	12.7	37.3	14.1	14.65
Th	3.75	3.07	15.78	3.09	3.76	18.02	1.16	9.14	5.18	1.42
U	1.12	1.19	1.46	0.90	1.52	2.16	0.60	3.40	3.48	0.34
Rb (ppm)		77.97		107.03				125.68	4.10	15.40
Sr (ppm)		463.49		457.68				547.36	738.48	593.82
⁸⁷ Rb/ ⁸⁶ Sr		0.4855		0.6749				0.6627	0.0160	0.0749
⁸⁷ Sr/ ⁸⁶ Sr		0.705765		0.705984				0.706876	0.705364	0.704420
2σ		0.000007		0.000006				0.000007	0.000010	0.000008
(⁸⁷ Sr/ ⁸⁶ Sr) _i		0.705386		0.705457				0.706358	0.705351	0.704362
Sm (ppm)		4.89		6.05				3.91	10.40	2.10
Nd (ppm)		21.69		23.34				19.35	38.68	10.40
¹⁴⁷ Sm/ ¹⁴⁴ Nd		0.1363		0.1568				0.1221	0.1626	0.1220
¹⁴³ Nd/ ¹⁴⁴ Nd		0.512592		0.512626				0.512555	0.512782	0.512743
2σ		0.000007		0.000006				0.000006	0.000005	0.000005
(¹⁴³ Nd/ ¹⁴⁴ Nd) _i		0.512543		0.512570				0.512511	0.512723	0.512699
εNd(<i>t</i>)		-0.5		0.0				-1.1	3.0	2.6
2σ		0.1		0.1				0.1	0.1	0.1
<i>t</i> (Ma)		55		55				55	55	55

Table S2

Analyses with strikethrough were excluded from concordia plots for poor, fluctuating age signals, unconcordant, or as an outlier.

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
Zharao monzogranites (30 samples)													
18ZX08-1 25	0.0536	0.0092	0.0288	0.0025	0.0049	0.0002	29.0	2.0	32.0	1.0	106	298	0.36
18ZX08-1 26	0.0499	0.0037	0.0358	0.0023	0.0053	0.0001	36.0	2.0	34.0	0.7	88	781	0.11
18ZX08-1 27	0.0540	0.0082	0.0289	0.0023	0.0045	0.0002	29.0	2.0	29.0	1.0	169	181	0.94
18ZX08-1 28	0.0491	0.0018	0.0260	0.0010	0.0038	0.0000	26.1	1.0	24.7	0.3	425	5127	0.08
18ZX08-1 29	0.0512	0.0058	0.0304	0.0029	0.0047	0.0001	30.0	3.0	30.5	0.9	114	330	0.34
18ZX08-1 30	0.0540	0.0063	0.0730	0.0068	0.0113	0.0004	72.0	6.0	73.0	2.0	62	135	0.46
18ZX08-1 31	0.0626	0.0088	0.0325	0.0029	0.0045	0.0002	32.0	3.0	29.0	1.0	160	267	0.60
18ZX08-1 32	0.0494	0.0046	0.0310	0.0024	0.0048	0.0001	31.0	2.0	31.1	0.9	193	454	0.43
18ZX08-1 33	0.0578	0.0095	0.0356	0.0035	0.0053	0.0002	36.0	3.0	34.0	1.0	68	392	0.17
18ZX08-1 34	0.0457	0.0032	0.0296	0.0018	0.0047	0.0001	30.0	2.0	29.9	0.6	585	875	0.67
18ZX08-1 35	0.0434	0.0034	0.0282	0.0021	0.0047	0.0001	28.0	2.0	30.5	0.6	1529	713	2.14
18ZX08-1 36	0.0543	0.0032	0.0621	0.0035	0.0082	0.0002	61.0	3.0	53.0	1.0	209	450	0.46
18ZX08-1 37	0.0762	0.0106	0.0385	0.0040	0.0045	0.0002	38.0	4.0	29.0	1.0	103	388	0.27
18ZX08-1 38	0.0470	0.0034	0.0485	0.0032	0.0077	0.0001	48.0	3.0	49.6	0.8	356	721	0.49
18ZX08-1 39	0.0479	0.0037	0.0644	0.0046	0.0101	0.0002	63.0	4.0	65.0	2.0	135	478	0.28
18ZX08-1 40	0.0491	0.0028	0.0692	0.0034	0.0104	0.0002	68.0	3.0	67.0	1.0	276	681	0.40
18ZX08-1 41	0.0488	0.0022	0.0278	0.0012	0.0042	0.0001	28.0	1.0	26.8	0.3	1158	3011	0.38
18ZX08-1 42	0.0482	0.0027	0.0667	0.0037	0.0101	0.0002	66.0	3.0	65.0	1.0	270	1055	0.26
18ZX08-1 43	0.0516	0.0054	0.0386	0.0030	0.0061	0.0002	38.0	3.0	39.0	1.0	145	341	0.43
18ZX08-1 44	0.0472	0.0038	0.0388	0.0026	0.0059	0.0002	39.0	2.0	38.0	1.0	170	428	0.40

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-1 45	0.0468	0.0052	0.0322	0.0032	0.0057	0.0003	32.0	3.0	37.0	2.0	92	280	0.33
18ZX08-1 46	0.0510	0.0029	0.0590	0.0033	0.0085	0.0003	58.0	3.0	54.0	2.0	136	835	0.16
18ZX08-1 47	0.0463	0.0026	0.0521	0.0027	0.0083	0.0002	52.0	3.0	53.1	0.9	266	543	0.49
18ZX08-1 48	0.0473	0.0009	0.0430	0.0014	0.0065	0.0002	43.0	1.0	42.0	1.0	9465	19678	0.48
18ZX08-1 49	0.0680	0.0108	0.0298	0.0027	0.0042	0.0002	30.0	3.0	27.1	0.9	107	207	0.52
18ZX08-1 50	0.0465	0.0041	0.0679	0.0048	0.0114	0.0003	67.0	5.0	73.0	2.0	100	255	0.39
18ZX08-1 51	0.0557	0.0052	0.0443	0.0041	0.0059	0.0002	44.0	4.0	38.0	1.0	291	339	0.86
18ZX08-1 52	0.0604	0.0103	0.0283	0.0028	0.0044	0.0002	28.0	3.0	28.0	1.0	117	110	1.07
18ZX08-1 53	0.0458	0.0023	0.0751	0.0037	0.0119	0.0002	74.0	4.0	76.0	1.0	302	886	0.34
18ZX08-1 54	0.0475	0.0033	0.0597	0.0036	0.0094	0.0002	59.0	3.0	60.0	1.0	236	382	0.62
18ZX08-1 55	0.0478	0.0013	0.0674	0.0020	0.0102	0.0002	66.0	2.0	66.0	1.0	621	2871	0.22
18ZX08-1 56	0.0983	0.0238	0.0599	0.0253	0.0043	0.0002	59.0	24.0	28.0	1.0	94	115	0.82
18ZX08-1 57	0.0695	0.0166	0.0319	0.0055	0.0044	0.0002	32.0	5.0	28.0	1.0	70	88	0.80
18ZX08-1 58	0.0460	0.0015	0.0679	0.0022	0.0107	0.0001	67.0	2.0	68.4	0.8	833	2188	0.38
18ZX08-1 60	0.0495	0.0030	0.0667	0.0034	0.0101	0.0002	66.0	3.0	65.0	1.0	276	426	0.65
18ZX08-1 61	0.0507	0.0039	0.0580	0.0040	0.0088	0.0003	57.0	4.0	57.0	2.0	141	508	0.28
18ZX08-1 62	0.0480	0.0032	0.0558	0.0025	0.0086	0.0002	55.0	2.0	55.0	1.0	313	802	0.39
18ZX08-1 63	0.0448	0.0037	0.0388	0.0025	0.0063	0.0002	39.0	2.0	40.0	1.0	82	581	0.14
18ZX08-1 64	0.0499	0.0037	0.0751	0.0044	0.0113	0.0002	74.0	4.0	72.0	1.0	217	455	0.48
18ZX08-1 65	0.0480	0.0029	0.0695	0.0036	0.0108	0.0002	68.0	3.0	69.0	1.0	204	426	0.48
18ZX08-1 66	0.0488	0.0026	0.0498	0.0026	0.0075	0.0001	49.0	3.0	48.2	0.8	88	695	0.13
18ZX08-1 67	0.0487	0.0015	0.0260	0.0009	0.0039	0.0001	26.0	0.9	24.8	0.4	1281	4642	0.28
18ZX08-1 68	0.0481	0.0029	0.0748	0.0041	0.0115	0.0002	73.0	4.0	74.0	1.0	469	552	0.85
18ZX08-1 69	0.0532	0.0068	0.0569	0.0070	0.0081	0.0003	56.0	7.0	52.0	2.0	118	197	0.60

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX08-1 70	0.0423	0.0026	0.0288	0.0014	0.0050	0.0001	29.0	1.0	32.4	0.6	525	872	0.60
18ZX08-1 71	0.0461	0.0028	0.0685	0.0039	0.0108	0.0002	67.0	4.0	69.0	1.0	107	281	0.38
18ZX08-1 72	0.0501	0.0031	0.0737	0.0042	0.0110	0.0002	72.0	4.0	71.0	1.0	148	321	0.46
18ZX08-1 73	0.0551	0.0025	0.0573	0.0022	0.0078	0.0002	57.0	2.0	50.1	1.0	112	1250	0.09
18ZX08-1 74	0.0496	0.0045	0.0559	0.0050	0.0082	0.0002	55.0	5.0	52.5	1.0	411	759	0.54
18ZX08-1 75	0.0793	0.0124	0.0426	0.0045	0.0051	0.0002	42.0	4.0	32.0	1.0	149	141	1.05
18ZX08-1 76	0.0468	0.0032	0.0474	0.0027	0.0076	0.0001	47.0	3.0	49.0	0.8	145	414	0.35
18ZX08-1 77	0.0466	0.0028	0.0478	0.0028	0.0075	0.0001	47.0	3.0	47.9	0.6	711	1009	0.70
18ZX08-1 78	0.0594	0.0043	0.0759	0.0043	0.0099	0.0002	74.0	4.0	63.0	1.0	94	198	0.47
18ZX08-1 79	0.0492	0.0024	0.0454	0.0021	0.0069	0.0002	45.0	2.0	44.0	1.0	189	971	0.19
18ZX08-1 80	0.0460	0.0011	0.0236	0.0006	0.0037	0.0000	23.7	0.5	23.9	0.2	99	5745	0.02
18ZX08-1 81	0.0486	0.0022	0.0694	0.0030	0.0104	0.0001	68.0	3.0	66.4	0.9	1600	4462	0.36
18ZX08-1 82	0.0515	0.0040	0.0690	0.0044	0.0102	0.0002	68.0	4.0	65.0	1.0	76	195	0.39
18ZX08-1 83	0.0508	0.0033	0.0544	0.0031	0.0080	0.0002	54.0	3.0	51.0	1.0	177	373	0.47
18ZX08-1 85	0.0479	0.0056	0.0284	0.0025	0.0047	0.0001	28.0	2.0	30.3	0.7	211	242	0.87
18ZX08-1 86	0.0522	0.0060	0.0313	0.0026	0.0045	0.0002	31.0	3.0	29.0	0.9	755	151	5.00
18ZX08-1 87	0.0624	0.0111	0.0295	0.0024	0.0047	0.0002	29.0	2.0	30.0	1.0	98	99	0.99
18ZX08-1 88	0.0486	0.0023	0.0550	0.0026	0.0083	0.0001	54.0	2.0	53.0	0.7	425	712	0.60
18ZX08-1 89	0.0487	0.0018	0.0246	0.0009	0.0037	0.0000	24.6	0.9	23.6	0.3	502	2251	0.22
18ZX08-1 90	0.0487	0.0019	0.0510	0.0020	0.0077	0.0001	51.0	2.0	49.2	0.7	493	1305	0.38
18ZX08-1 91	0.0602	0.0070	0.0358	0.0031	0.0050	0.0001	36.0	3.0	31.9	0.9	77	155	0.50
18ZX08-1 92	0.0450	0.0031	0.0620	0.0040	0.0103	0.0002	61.0	4.0	66.0	1.0	137	291	0.47
18ZX08-1 93	0.0633	0.0114	0.0337	0.0042	0.0049	0.0002	34.0	4.0	31.0	1.0	102	137	0.75
18ZX08-1 94	0.0584	0.0113	0.0266	0.0037	0.0044	0.0002	27.0	4.0	28.0	1.0	91	101	0.90

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-1 95	0.0554	0.0050	0.0709	0.0047	0.0102	0.0002	70.0	4.0	65.0	2.0	69	154	0.45
18ZX08-1 96	0.0483	0.0009	0.0451	0.0009	0.0068	0.0001	44.8	0.8	43.5	0.4	1585	6707	0.24
18ZX08-1 97	0.0521	0.0029	0.0684	0.0036	0.0097	0.0002	67.0	3.0	62.0	1.0	112	328	0.34
18ZX08-1 98	0.0473	0.0015	0.0408	0.0012	0.0063	0.0001	41.0	1.0	40.4	0.5	317	2425	0.13
18ZX08-1 99	0.0474	0.0025	0.0552	0.0028	0.0085	0.0001	55.0	3.0	54.2	0.6	823	1381	0.60
18ZX08-1 100	0.0485	0.0034	0.0541	0.0036	0.0081	0.0001	53.0	3.0	51.9	0.9	295	566	0.52
18ZX08-2 19	0.0513	0.0025	0.0750	0.0034	0.0106	0.0002	73.0	3.0	68.0	1.0	180	350	0.51
18ZX08-2 20	0.0512	0.0025	0.0566	0.0027	0.0081	0.0001	56.0	3.0	51.9	0.8	273	495	0.55
18ZX08-2 21	0.0461	0.0018	0.0661	0.0024	0.0104	0.0002	65.0	2.0	67.0	1.0	229	455	0.50
18ZX08-2 22	0.0492	0.0017	0.0275	0.0010	0.0040	0.0001	27.5	1.0	26.0	0.4	2787	3787	0.74
18ZX08-2 23	0.0483	0.0026	0.0603	0.0029	0.0091	0.0002	59.0	3.0	58.0	1.0	358	1691	0.21
18ZX08-2 24	0.0727	0.0017	1.0782	0.0364	0.1076	0.0028	743.0	18.0	659.0	16.0	211	158	1.33
18ZX08-2 25	0.0577	0.0030	0.0926	0.0055	0.0114	0.0002	90.0	5.0	73.0	1.0	228	359	0.63
18ZX08-2 26	0.0473	0.0055	0.0315	0.0028	0.0051	0.0002	31.0	3.0	33.0	1.0	136	198	0.69
18ZX08-2 27	0.0493	0.0023	0.0738	0.0033	0.0109	0.0002	72.0	3.0	70.0	1.0	594	434	1.37
18ZX08-2 28	0.0483	0.0011	0.0677	0.0016	0.0101	0.0001	66.0	2.0	64.9	0.8	834	2926	0.29
18ZX08-2 29	0.0477	0.0025	0.0513	0.0024	0.0079	0.0002	51.0	2.0	50.6	1.0	95	657	0.14
18ZX08-2 30	0.0461	0.0012	0.0288	0.0007	0.0045	0.0001	28.9	0.6	29.2	0.3	408	2312	0.18
18ZX08-2 31	0.0483	0.0010	0.0663	0.0014	0.0099	0.0001	65.0	1.0	63.5	0.5	1529	5975	0.26
18ZX08-2 32	0.0481	0.0031	0.0751	0.0042	0.0117	0.0002	74.0	4.0	75.0	1.0	134	301	0.45
18ZX08-2 33	0.0516	0.0030	0.0271	0.0015	0.0038	0.0001	27.0	1.0	24.5	0.3	965	2368	0.41
18ZX08-2 34	0.0485	0.0010	0.0516	0.0010	0.0077	0.0001	51.1	1.0	49.4	0.4	253	4841	0.05
18ZX08-2 35	0.0497	0.0015	0.0758	0.0026	0.0110	0.0002	74.0	2.0	71.0	1.0	370	1106	0.33

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-2 36	0.0552	0.0039	0.0436	0.0028	0.0059	0.0001	43.0	3.0	37.8	0.7	66	350	0.19
18ZX08-2 37	0.0576	0.0013	0.4965	0.0170	0.0619	0.0015	409.0	12.0	387.0	9.0	278	423	0.66
18ZX08-2 38	0.0497	0.0014	0.0256	0.0007	0.0037	0.0000	25.6	0.7	24.0	0.2	1526	4862	0.31
18ZX08-2 39	0.0518	0.0034	0.0363	0.0022	0.0052	0.0001	36.0	2.0	33.6	0.8	101	334	0.30
18ZX08-2 40	0.0461	0.0015	0.0571	0.0017	0.0090	0.0001	56.0	2.0	57.7	0.9	293	472	0.62
18ZX08-2 41	0.0467	0.0020	0.0663	0.0025	0.0103	0.0001	65.0	2.0	65.9	0.8	328	637	0.52
18ZX08-2 42	0.0548	0.0031	0.0788	0.0045	0.0105	0.0002	77.0	4.0	67.0	1.0	126	320	0.39
18ZX08-2 43	0.0461	0.0013	0.0229	0.0006	0.0036	0.0000	23.0	0.6	23.2	0.3	325	6551	0.05
18ZX08-2 44	0.0512	0.0026	0.0609	0.0029	0.0086	0.0001	60.0	3.0	55.4	0.8	664	1890	0.35
18ZX08-2 45	0.0498	0.0020	0.0288	0.0011	0.0042	0.0001	29.0	1.0	27.1	0.4	539	2271	0.24
18ZX08-2 46	0.0482	0.0011	0.0569	0.0015	0.0085	0.0002	56.0	1.0	54.8	1.0	1047	3364	0.31
18ZX08-2 47	0.0485	0.0042	0.0527	0.0045	0.0079	0.0002	52.0	4.0	50.6	1.0	278	338	0.82
18ZX08-2 48	0.0469	0.0015	0.0511	0.0017	0.0079	0.0001	51.0	2.0	50.6	0.7	1451	1756	0.83
18ZX08-2 49	0.0461	0.0031	0.0533	0.0035	0.0084	0.0002	53.0	3.0	54.0	1.0	353	479	0.74
18ZX08-2 50	0.0474	0.0020	0.0233	0.0010	0.0036	0.0000	23.4	1.0	22.9	0.2	162	4126	0.04
18ZX08-3 19	0.0461	0.0013	0.0236	0.0006	0.0037	0.0000	23.7	0.6	23.9	0.3	271	4635	0.06
18ZX08-3 20	0.0489	0.0016	0.0658	0.0022	0.0099	0.0002	65.0	2.0	63.3	0.9	372	1097	0.34
18ZX08-3 21	0.0461	0.0011	0.0395	0.0008	0.0062	0.0001	39.3	0.7	40.0	0.6	455	5556	0.08
18ZX08-3 22	0.0476	0.0039	0.0282	0.0020	0.0045	0.0001	28.0	2.0	28.8	0.6	71	339	0.21
18ZX08-3 23	0.2055	0.0027	11.4294	0.1827	0.4027	0.0047	2559.0	15.0	2181.0	22.0	150	1680	0.09
18ZX08-3 24	0.0442	0.0018	0.0224	0.0009	0.0037	0.0000	22.5	0.9	23.8	0.3	244	1981	0.12
18ZX08-3 25	0.0460	0.0009	0.0631	0.0013	0.0099	0.0001	62.0	1.0	63.7	0.6	2241	4376	0.51
18ZX08-3 26	0.0501	0.0056	0.0292	0.0022	0.0046	0.0002	29.0	2.0	30.0	1.0	86	116	0.74

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-3 27	0.0664	0.0072	0.0315	0.0027	0.0039	0.0001	31.0	3.0	25.3	0.9	172	140	1.23
18ZX08-3 28	0.0455	0.0016	0.0240	0.0008	0.0038	0.0001	24.0	0.8	24.6	0.3	614	3055	0.20
18ZX08-3 29	0.0492	0.0022	0.0497	0.0023	0.0073	0.0001	49.0	2.0	46.8	0.7	492	478	1.03
18ZX08-3 30	0.0465	0.0021	0.0243	0.0010	0.0038	0.0001	24.0	1.0	24.4	0.3	10522	16827	0.63
18ZX08-3 31	0.0471	0.0020	0.0249	0.0010	0.0038	0.0000	25.0	1.0	24.7	0.3	1429	7315	0.20
18ZX08-3 32	0.0457	0.0016	0.0473	0.0015	0.0075	0.0001	47.0	1.0	48.4	0.7	1216	891	1.37
18ZX08-3 33	0.0488	0.0012	0.0499	0.0012	0.0074	0.0001	49.0	1.0	47.4	0.4	1104	2770	0.40
18ZX08-3 34	0.0464	0.0026	0.0292	0.0015	0.0046	0.0001	29.0	1.0	29.8	0.7	888	675	1.32
18ZX08-3 35	0.0566	0.0101	0.0601	0.0107	0.0077	0.0002	59.0	10.0	49.0	1.0	354	359	0.98
18ZX08-3 36	0.0483	0.0022	0.0262	0.0012	0.0040	0.0001	26.0	1.0	25.5	0.4	267	1005	0.27
18ZX08-3 37	0.0498	0.0098	0.0773	0.0151	0.0113	0.0003	76.0	14.0	72.0	2.0	408	758	0.54
18ZX08-3 38	0.0465	0.0013	0.0397	0.0012	0.0062	0.0001	40.0	1.0	39.6	0.7	538	3071	0.18
18ZX08-3 39	0.0474	0.0015	0.0423	0.0016	0.0064	0.0001	42.0	2.0	40.8	0.9	188	2351	0.08
18ZX08-3 40	0.0461	0.0017	0.0435	0.0014	0.0069	0.0001	43.0	1.0	44.1	0.6	6266	2274	2.76
18ZX08-3 41	0.0461	0.0017	0.0318	0.0009	0.0050	0.0001	31.8	0.8	32.2	0.8	626	971	0.64
18ZX08-3 42	0.0476	0.0009	0.0471	0.0009	0.0071	0.0001	46.8	0.9	45.9	0.4	4104	6292	0.65
18ZX08-3 43	0.0500	0.0022	0.0712	0.0029	0.0104	0.0001	70.0	3.0	66.7	0.8	379	680	0.56
18ZX08-3 44	0.0461	0.0012	0.0229	0.0005	0.0036	0.0001	23.0	0.5	23.2	0.3	4039	17394	0.23
18ZX08-3 45	0.0461	0.0097	0.0718	0.0150	0.0113	0.0004	70.0	14.0	73.0	2.0	134	247	0.54
18ZX08-3 46	0.0457	0.0018	0.0242	0.0009	0.0039	0.0001	24.3	0.9	25.0	0.4	535	1652	0.32
18ZX08-3 47	0.0461	0.0009	0.0246	0.0004	0.0039	0.0001	24.6	0.4	24.9	0.3	443	1935	0.23
18ZX08-3 48	0.0721	0.0022	1.4401	0.0407	0.1449	0.0017	906.0	17.0	872.0	10.0	69	268	0.26
18ZX08-3 49	0.0536	0.0023	0.1595	0.0075	0.0218	0.0005	150.0	7.0	139.0	3.0	167	273	0.61
18ZX08-3 50	0.0512	0.0036	0.0287	0.0019	0.0042	0.0001	29.0	2.0	26.9	0.6	417	524	0.80

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-3 51	0.0518	0.0015	0.0582	0.0019	0.0081	0.0001	57.0	2.0	52.0	0.7	1094	1353	0.81
18ZX08-3 52	0.0461	0.0058	0.0256	0.0031	0.0040	0.0002	26.0	3.0	26.0	1.0	57	127	0.45
18ZX08-3 53	0.0510	0.0020	0.0714	0.0026	0.0102	0.0001	70.0	2.0	65.7	0.8	622	650	0.96
18ZX08-3 54	0.0493	0.0038	0.0372	0.0026	0.0057	0.0001	37.0	3.0	36.3	0.9	101	237	0.43
18ZX08-3 55	0.0455	0.0013	0.0644	0.0018	0.0103	0.0001	63.0	2.0	66.0	0.8	675	1402	0.48
18ZX08-3 56	0.0461	0.0095	0.0570	0.0116	0.0090	0.0003	56.0	11.0	58.0	2.0	67	125	0.53
18ZX08-3 57	0.0519	0.0046	0.0685	0.0059	0.0096	0.0002	67.0	6.0	61.0	1.0	338	387	0.87
18ZX08-3 58	0.0444	0.0025	0.0495	0.0026	0.0081	0.0001	49.0	3.0	52.2	0.9	224	486	0.46
18ZX08-3 59	0.0478	0.0018	0.0257	0.0010	0.0039	0.0001	25.8	1.0	25.3	0.4	532	1584	0.34
18ZX08-3 60	0.0463	0.0022	0.0451	0.0023	0.0071	0.0002	45.0	2.0	45.6	1.0	127	704	0.18
18ZX08-3 61	0.0474	0.0010	0.0432	0.0010	0.0066	0.0001	42.9	1.0	42.4	0.5	2146	3364	0.64
18ZX08-3 62	0.0471	0.0018	0.0246	0.0009	0.0038	0.0000	24.6	0.9	24.5	0.3	598	1464	0.41
18ZX08-3 63	0.0461	0.0015	0.0510	0.0014	0.0080	0.0001	50.0	1.0	51.5	0.7	631	1021	0.62
18ZX08-3 64	0.0474	0.0012	0.0240	0.0006	0.0037	0.0000	24.0	0.6	23.5	0.2	556	4644	0.12
18ZX08-3 65	0.0433	0.0017	0.0223	0.0009	0.0038	0.0001	22.4	0.8	24.3	0.3	155	1709	0.09
18ZX08-3 66	0.0455	0.0015	0.0655	0.0020	0.0105	0.0001	64.0	2.0	67.1	0.7	690	1267	0.54
18ZX08-3 67	0.0461	0.0048	0.0247	0.0026	0.0039	0.0001	25.0	3.0	25.0	0.4	1127	6436	0.18
18ZX08-3 68	0.0454	0.0014	0.0703	0.0024	0.0111	0.0002	69.0	2.0	71.0	1.0	415	1025	0.40
18ZX08-3 69	0.0501	0.0009	0.0248	0.0006	0.0036	0.0001	24.8	0.6	22.9	0.3	38184	55322	0.69
18ZX08-3 70	0.0501	0.0022	0.0496	0.0019	0.0073	0.0001	49.0	2.0	46.7	0.8	2293	1204	1.90
18ZX08-3 71	0.0518	0.0054	0.0680	0.0069	0.0095	0.0002	67.0	7.0	61.0	1.0	200	482	0.41
18ZX08-3 72	0.0461	0.0019	0.0224	0.0009	0.0035	0.0000	22.5	0.9	22.7	0.3	799	2103	0.38
18ZX08-3 73	0.0493	0.0020	0.0499	0.0019	0.0074	0.0001	49.0	2.0	47.4	0.6	771	748	1.03
18ZX08-3 74	0.0770	0.0015	1.8919	0.0546	0.1764	0.0036	1078.0	19.0	1047.0	20.0	356	206	1.73

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-3 75	0.0468	0.0030	0.0244	0.0015	0.0038	0.0001	25.0	2.0	24.4	0.4	1875	2784	0.67
18ZX08-3 76	0.0461	0.0011	0.0243	0.0005	0.0038	0.0001	24.4	0.5	24.7	0.3	531	2182	0.24
18ZX08-3 77	0.0562	0.0084	0.0296	0.0028	0.0046	0.0002	30.0	3.0	29.0	1.0	87	131	0.66
18ZX08-3 78	0.0473	0.0011	0.0653	0.0015	0.0100	0.0001	64.0	1.0	63.8	0.6	1680	3501	0.48
18ZX08-3 79	0.0475	0.0016	0.0255	0.0009	0.0039	0.0000	25.6	0.9	24.9	0.3	505	2745	0.18
18ZX08-3 80	0.0499	0.0015	0.0231	0.0007	0.0033	0.0000	23.2	0.7	21.4	0.2	2104	6478	0.32
18ZX08-3 81	0.0511	0.0022	0.0420	0.0018	0.0060	0.0001	42.0	2.0	38.5	0.6	349	1017	0.34
18ZX08-3 82	0.0501	0.0015	0.0554	0.0016	0.0080	0.0001	55.0	2.0	51.6	0.6	596	1363	0.44
18ZX08-3 83	0.0473	0.0019	0.0269	0.0011	0.0042	0.0001	27.0	1.0	26.7	0.4	253	1177	0.21
18ZX08-3 84	0.0613	0.0070	0.0293	0.0022	0.0039	0.0001	29.0	2.0	25.3	0.7	173	255	0.68
18ZX08-3 85	0.0488	0.0033	0.0257	0.0017	0.0038	0.0001	26.0	2.0	24.6	0.4	276	857	0.32
18ZX08-3 86	0.0593	0.0040	0.0635	0.0043	0.0078	0.0001	62.0	4.0	49.8	0.9	362	767	0.47
18ZX08-3 87	0.0461	0.0027	0.0262	0.0014	0.0041	0.0001	26.0	1.0	26.5	0.7	136	295	0.46
18ZX08-3 88	0.0780	0.0037	1.9212	0.0843	0.1787	0.0033	1088.0	29.0	1060.0	18.0	63	164	0.39
18ZX08-3 89	0.0527	0.0033	0.0536	0.0030	0.0076	0.0001	53.0	3.0	48.9	0.9	404	412	0.98
18ZX08-3 90	0.0413	0.0040	0.0311	0.0026	0.0057	0.0001	31.0	3.0	36.6	0.8	90	231	0.39
18ZX08-3 91	0.0472	0.0019	0.0254	0.0010	0.0039	0.0001	25.0	1.0	25.1	0.3	468	1892	0.25
18ZX08-3 92	0.0482	0.0033	0.0493	0.0030	0.0076	0.0001	49.0	3.0	48.9	0.9	239	344	0.69
18ZX08-3 93	0.0525	0.0023	0.0632	0.0028	0.0088	0.0001	62.0	3.0	56.2	0.9	326	643	0.51
18ZX08-3 94	0.0573	0.0042	0.0307	0.0023	0.0039	0.0001	31.0	2.0	25.1	0.3	1671	7926	0.21
18ZX08-3 95	0.0498	0.0024	0.0557	0.0025	0.0082	0.0001	55.0	2.0	52.6	0.7	321	551	0.58
18ZX08-3 96	0.0477	0.0021	0.0475	0.0019	0.0073	0.0001	47.0	2.0	46.8	0.7	426	670	0.64
18ZX08-3 97	0.0397	0.0099	0.0216	0.0049	0.0043	0.0002	22.0	5.0	27.0	1.0	101	120	0.84
18ZX08-3 98	0.0423	0.0026	0.0428	0.0025	0.0074	0.0001	43.0	2.0	47.4	0.7	505	496	1.02

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX08-3 99	0.0474	0.0022	0.0542	0.0024	0.0084	0.0001	54.0	2.0	53.7	0.7	516	759	0.68
18ZX08-3 100	0.0461	0.0018	0.0232	0.0008	0.0037	0.0001	23.3	0.8	23.6	0.4	290	1119	0.26
18ZX11-1 01	0.0470	0.0021	0.0528	0.0023	0.0082	0.0001	52.0	2.0	52.4	0.7	422	813	0.52
18ZX11-1 02	0.0547	0.0040	0.0640	0.0037	0.0086	0.0002	63.0	3.0	55.0	1.0	159	320	0.50
18ZX11-1 03	0.0461	0.0013	0.0236	0.0005	0.0037	0.0001	23.7	0.5	23.9	0.5	989	3540	0.28
18ZX11-1 04	0.0508	0.0015	0.1755	0.0048	0.0250	0.0002	464.0	4.0	159.0	1.0	1106	706	1.57
18ZX11-1 05	0.0480	0.0060	0.0322	0.0038	0.0051	0.0002	32.0	4.0	32.0	1.0	94	165	0.57
18ZX11-1 06	0.0576	0.0053	0.0319	0.0023	0.0042	0.0001	32.0	2.0	26.9	0.6	147	287	0.51
18ZX11-1 07	0.0552	0.0042	0.0760	0.0050	0.0106	0.0002	74.0	5.0	68.0	1.0	163	495	0.33
18ZX11-1 08	0.0461	0.0071	0.0522	0.0040	0.0083	0.0003	52.0	4.0	53.0	2.0	89	437	0.20
18ZX11-1 09	0.0484	0.0034	0.1765	0.0111	0.0272	0.0006	165.0	10.0	173.0	4.0	80	90	0.89
18ZX11-1 10	0.0461	0.0011	0.0226	0.0005	0.0036	0.0001	22.7	0.5	22.9	0.3	975	4584	0.21
18ZX11-1 100	0.0486	0.0057	0.0289	0.0027	0.0049	0.0002	29.0	3.0	31.7	1.0	183	335	0.55
18ZX11-1 101	0.0488	0.0014	0.0537	0.0017	0.0079	0.0001	53.0	2.0	50.9	0.7	95	2637	0.04
18ZX11-1 11	0.0766	0.0014	0.6038	0.0129	0.0568	0.0008	480.0	8.0	356.0	5.0	57	959	0.06
18ZX11-1 12	0.0461	0.0104	0.0456	0.0102	0.0072	0.0002	45.0	10.0	46.0	1.0	93	181	0.51
18ZX11-1 13	0.0489	0.0104	0.0284	0.0060	0.0042	0.0001	28.0	6.0	27.1	0.6	118	2518	0.05
18ZX11-1 14	0.1589	0.0028	8.5720	0.1348	0.3914	0.0033	2294.0	14.0	2129.0	15.0	94	227	0.42
18ZX11-1 15	0.1037	0.0187	0.3765	0.0576	0.0263	0.0025	324.0	43.0	167.0	16.0	1464	2812	0.52
18ZX11-1 16	0.0502	0.0088	0.0263	0.0046	0.0038	0.0001	26.0	5.0	24.4	0.4	50	2434	0.02
18ZX11-1 17	0.0493	0.0030	0.0533	0.0029	0.0079	0.0001	53.0	3.0	51.0	0.8	219	428	0.51
18ZX11-1 18	0.0461	0.0014	0.0207	0.0006	0.0033	0.0001	20.8	0.6	21.0	0.3	1852	6984	0.27
18ZX11-1 19	0.0572	0.0148	0.0308	0.0128	0.0042	0.0003	31.0	13.0	27.0	2.0	68	60	1.14

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX11-1 20	0.0461	0.0020	0.0484	0.0020	0.0076	0.0001	48.0	2.0	48.9	0.8	413	531	0.78
18ZX11-1 21	0.0489	0.0024	0.0227	0.0011	0.0034	0.0000	23.0	1.0	21.7	0.3	445	3959	0.11
18ZX11-1 22	0.0535	0.0036	0.0509	0.0031	0.0071	0.0002	50.0	3.0	46.0	1.0	540	281	1.92
18ZX11-1 23	0.0470	0.0031	0.0232	0.0015	0.0036	0.0001	23.0	1.0	23.0	0.4	97	3134	0.03
18ZX11-1 24	0.0480	0.0024	0.0528	0.0025	0.0080	0.0001	52.0	2.0	51.6	0.8	122	434	0.28
18ZX11-1 25	0.0461	0.0011	0.0204	0.0004	0.0032	0.0000	20.5	0.4	20.7	0.2	307	5462	0.06
18ZX11-1 26	0.0483	0.0028	0.0529	0.0026	0.0080	0.0001	52.0	3.0	51.6	0.7	358	621	0.58
18ZX11-1 27	0.0461	0.0023	0.0230	0.0011	0.0036	0.0001	23.0	1.0	23.3	0.4	304	2768	0.11
18ZX11-1 28	0.0486	0.0037	0.0275	0.0019	0.0041	0.0001	27.0	2.0	26.3	0.5	403	436	0.92
18ZX11-1 29	0.0470	0.0052	0.0522	0.0057	0.0081	0.0001	52.0	5.0	51.7	0.9	319	395	0.81
18ZX11-1 30	0.0499	0.0012	0.0353	0.0009	0.0051	0.0001	35.2	0.9	32.9	0.4	1264	3053	0.41
18ZX11-1 31	0.0529	0.0052	0.0297	0.0028	0.0041	0.0001	30.0	3.0	26.2	0.9	213	4758	0.04
18ZX11-1 32	0.0467	0.0029	0.0498	0.0029	0.0079	0.0001	49.0	3.0	50.8	0.9	250	471	0.53
18ZX11-1 33	0.0483	0.0016	0.0296	0.0020	0.0044	0.0002	30.0	2.0	28.0	1.0	997	4784	0.21
18ZX11-1 34	0.0497	0.0026	0.0707	0.0032	0.0102	0.0002	69.0	3.0	65.0	1.0	215	489	0.44
18ZX11-1 35	0.0487	0.0018	0.0293	0.0010	0.0044	0.0001	29.0	1.0	28.1	0.3	329	1976	0.17
18ZX11-1 36	0.0478	0.0027	0.0540	0.0029	0.0083	0.0001	53.0	3.0	53.0	0.8	236	582	0.41
18ZX11-1 37	0.0490	0.0040	0.0296	0.0020	0.0047	0.0001	30.0	2.0	30.0	0.7	57	556	0.10
18ZX11-1 38	0.0497	0.0018	0.0545	0.0019	0.0079	0.0001	54.0	2.0	51.0	0.7	176	1456	0.12
18ZX11-1 39	0.0462	0.0061	0.0441	0.0047	0.0079	0.0002	44.0	5.0	51.0	1.0	120	158	0.75
18ZX11-1 40	0.0492	0.0044	0.0306	0.0024	0.0045	0.0002	31.0	2.0	29.0	1.0	44	2643	0.02
18ZX11-1 41	0.0865	0.0020	0.8265	0.0313	0.0680	0.0019	612.0	17.0	424.0	12.0	103	597	0.17
18ZX11-1 42	0.0484	0.0016	0.0444	0.0015	0.0067	0.0001	44.0	1.0	42.7	0.6	169	1711	0.10
18ZX11-1 43	0.0561	0.0021	0.0277	0.0010	0.0036	0.0000	27.7	1.0	23.1	0.3	765	3897	0.20

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-1 44	0.0609	0.0126	0.0375	0.0145	0.0049	0.0002	37.0	14.0	31.0	1.0	100	118	0.85
18ZX11-1 45	0.0484	0.0013	0.0221	0.0006	0.0033	0.0000	22.2	0.6	21.2	0.2	341	5101	0.07
18ZX11-1 46	0.0556	0.0040	0.0590	0.0036	0.0080	0.0002	58.0	3.0	51.1	1.0	325	388	0.84
18ZX11-1 47	0.0465	0.0013	0.0214	0.0006	0.0033	0.0000	21.5	0.6	21.4	0.2	566	6091	0.09
18ZX11-1 48	0.0740	0.0039	1.8094	0.0910	0.1773	0.0028	1049.0	33.0	1052.0	16.0	49	67	0.74
18ZX11-1 49	0.0488	0.0031	0.0225	0.0014	0.0034	0.0001	23.0	1.0	21.5	0.4	544	5679	0.10
18ZX11-1 50	0.0493	0.0029	0.0550	0.0056	0.0073	0.0001	54.0	5.0	47.0	0.7	1713	879	1.95
18ZX11-1 51	0.0496	0.0029	0.0518	0.0027	0.0077	0.0001	51.0	3.0	49.7	0.8	186	401	0.46
18ZX11-1 52	0.0530	0.0014	0.0245	0.0007	0.0034	0.0000	24.6	0.7	21.6	0.3	3269	7214	0.45
18ZX11-1 53	0.0538	0.0036	0.0524	0.0031	0.0073	0.0001	52.0	3.0	46.6	0.8	416	395	1.05
18ZX11-1 54	0.0487	0.0011	0.0225	0.0005	0.0034	0.0000	22.6	0.5	21.6	0.2	1203	9620	0.13
18ZX11-1 55	0.0498	0.0026	0.1444	0.0081	0.0214	0.0005	137.0	7.0	136.0	3.0	118	173	0.68
18ZX11-1 56	0.0449	0.0019	0.0241	0.0010	0.0039	0.0001	24.1	0.9	25.3	0.3	707	1724	0.41
18ZX11-1 57	0.0479	0.0013	0.0240	0.0009	0.0037	0.0001	24.1	0.9	23.5	0.5	1547	5564	0.28
18ZX11-1 58	0.0919	0.0017	2.1636	0.0345	0.1707	0.0016	1169.0	11.0	1016.0	9.0	286	1736	0.16
18ZX11-1 59	0.0495	0.0030	0.0519	0.0029	0.0078	0.0001	51.0	3.0	49.9	0.8	350	326	1.07
18ZX11-1 60	0.0564	0.0047	0.0671	0.0055	0.0089	0.0002	66.0	5.0	57.0	2.0	99	163	0.61
18ZX11-1 61	0.0491	0.0040	0.0533	0.0035	0.0083	0.0002	53.0	3.0	53.0	1.0	54	178	0.30
18ZX11-1 62	0.0461	0.0021	0.0233	0.0009	0.0037	0.0001	23.4	0.9	23.6	0.5	619	3266	0.19
18ZX11-1 63	0.0491	0.0099	0.0335	0.0086	0.0052	0.0002	33.0	8.0	33.0	2.0	38	95	0.40
18ZX11-1 64	0.0542	0.0022	0.0597	0.0024	0.0080	0.0001	59.0	2.0	51.2	0.9	541	747	0.72
18ZX11-1 65	0.0465	0.0013	0.0215	0.0006	0.0034	0.0000	21.6	0.6	21.6	0.2	604	6254	0.10
18ZX11-1 66	0.0519	0.0024	0.0573	0.0025	0.0081	0.0001	57.0	2.0	51.7	0.8	233	391	0.60
18ZX11-1 67	0.0440	0.0029	0.0475	0.0026	0.0079	0.0001	47.0	3.0	51.0	0.9	136	216	0.63

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-1 68	0.0799	0.0013	2.0301	0.0350	0.1828	0.0017	1126.0	12.0	1082.0	9.0	277	370	0.75
18ZX11-1 69	0.0578	0.0067	0.0281	0.0032	0.0035	0.0001	28.0	3.0	22.7	0.5	31	1192	0.03
18ZX11-1 70	0.0706	0.0037	1.4263	0.0688	0.1465	0.0028	900.0	29.0	882.0	16.0	140	241	0.58
18ZX11-1 71	0.0461	0.0019	0.0501	0.0019	0.0079	0.0001	50.0	2.0	50.7	0.8	337	644	0.52
18ZX11-1 72	0.0490	0.0023	0.0377	0.0017	0.0057	0.0001	38.0	2.0	36.3	0.6	192	696	0.28
18ZX11-1 73	0.0581	0.0114	0.0225	0.0044	0.0038	0.0002	23.0	4.0	25.0	1.0	122	109	1.12
18ZX11-1 74	0.0461	0.0016	0.0246	0.0007	0.0039	0.0001	24.7	0.7	24.9	0.4	676	1524	0.44
18ZX11-1 75	0.0461	0.0013	0.0253	0.0006	0.0040	0.0001	25.3	0.6	25.6	0.4	1360	3212	0.42
18ZX11-1 76	0.0487	0.0032	0.0262	0.0013	0.0042	0.0001	26.0	1.0	26.7	0.5	1377	661	2.08
18ZX11-1 77	0.0454	0.0017	0.0495	0.0019	0.0079	0.0001	49.0	2.0	50.8	0.7	248	577	0.43
18ZX11-1 78	0.0461	0.0010	0.0207	0.0004	0.0033	0.0000	20.8	0.4	21.0	0.2	249	7098	0.04
18ZX11-1 79	0.0441	0.0018	0.0481	0.0020	0.0079	0.0001	48.0	2.0	50.4	0.7	319	713	0.45
18ZX11-1 80	0.0465	0.0019	0.0468	0.0021	0.0073	0.0001	46.0	2.0	46.7	0.8	365	708	0.52
18ZX11-1 81	0.0461	0.0014	0.0208	0.0006	0.0033	0.0000	20.9	0.6	21.0	0.2	1379	5181	0.27
18ZX11-1 82	0.0468	0.0018	0.0450	0.0017	0.0070	0.0001	45.0	2.0	45.0	0.6	115	763	0.15
18ZX11-1 83	0.0481	0.0010	0.0917	0.0018	0.0138	0.0001	89.0	2.0	88.6	0.7	198	3061	0.06
18ZX11-1 84	0.0807	0.0190	0.0497	0.0116	0.0045	0.0001	49.0	11.0	28.7	0.8	74	297	0.25
18ZX11-1 85	0.0528	0.0049	0.0564	0.0037	0.0082	0.0002	56.0	4.0	52.0	1.0	111	106	1.05
18ZX11-1 86	0.0603	0.0098	0.0363	0.0057	0.0044	0.0002	36.0	6.0	28.0	1.0	677	2738	0.25
18ZX11-1 87	0.0469	0.0023	0.0427	0.0019	0.0069	0.0002	42.0	2.0	44.0	1.0	812	599	1.36
18ZX11-1 88	0.0462	0.0030	0.0252	0.0015	0.0040	0.0001	25.0	1.0	25.8	0.5	963	526	1.83
18ZX11-1 89	0.0491	0.0018	0.0529	0.0020	0.0078	0.0001	52.0	2.0	50.1	0.6	383	741	0.52
18ZX11-1 90	0.0478	0.0015	0.0217	0.0007	0.0033	0.0000	21.8	0.7	21.2	0.2	128	4243	0.03
18ZX11-1 91	0.0521	0.0153	0.0450	0.0083	0.0092	0.0005	45.0	8.0	59.0	3.0	20	23	0.84

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-1 92	0.0452	0.0037	0.0480	0.0030	0.0081	0.0002	48.0	3.0	52.1	1.0	387	314	1.23
18ZX11-1 93	0.0650	0.0024	0.0820	0.0034	0.0090	0.0001	80.0	3.0	57.9	0.6	1739	2144	0.81
18ZX11-1 94	0.0471	0.0036	0.0255	0.0019	0.0039	0.0001	26.0	2.0	25.2	0.4	4879	7126	0.68
18ZX11-1 95	0.0530	0.0013	0.0743	0.0019	0.0101	0.0001	73.0	2.0	64.7	0.8	921	2123	0.43
18ZX11-1 96	0.0480	0.0022	0.0690	0.0028	0.0106	0.0002	68.0	3.0	68.0	0.9	281	438	0.64
18ZX11-1 97	0.0568	0.0029	0.0720	0.0028	0.0095	0.0002	71.0	3.0	61.0	1.0	93	717	0.13
18ZX11-1 98	0.0493	0.0021	0.0499	0.0019	0.0074	0.0001	49.0	2.0	47.4	0.5	885	785	1.13
18ZX11-1 99	0.0506	0.0020	0.1812	0.0071	0.0261	0.0005	169.0	6.0	166.0	3.0	286	260	1.10
18ZX26-1 19	0.0499	0.0032	0.0491	0.0028	0.0073	0.0001	49.0	3.0	46.9	0.7	245	420	0.58
18ZX26-1 20	0.0451	0.0015	0.0295	0.0010	0.0047	0.0001	29.6	1.0	30.4	0.3	194	2603	0.07
18ZX26-1 21	0.0462	0.0020	0.0497	0.0021	0.0078	0.0001	49.0	2.0	50.1	0.7	561	1568	0.36
18ZX26-1 22	0.0481	0.0013	0.0431	0.0012	0.0065	0.0001	43.0	1.0	41.6	0.6	608	4402	0.14
18ZX26-1 23	0.0447	0.0022	0.0355	0.0017	0.0057	0.0001	35.0	2.0	36.9	0.5	836	1281	0.65
18ZX26-1 24	0.0463	0.0019	0.0477	0.0020	0.0075	0.0001	47.0	2.0	47.9	0.7	300	1085	0.28
18ZX26-1 25	0.0461	0.0022	0.0482	0.0019	0.0076	0.0002	48.0	2.0	49.0	1.0	120	267	0.45
18ZX26-1 26	0.0488	0.0024	0.0473	0.0023	0.0070	0.0001	47.0	2.0	45.0	0.5	473	870	0.54
18ZX26-1 27	0.0477	0.0015	0.0472	0.0014	0.0071	0.0001	47.0	1.0	45.7	0.5	3376	2983	1.13
18ZX26-1 28	0.0471	0.0018	0.0504	0.0018	0.0078	0.0001	50.0	2.0	49.9	0.7	443	1271	0.35
18ZX26-1 29	0.0497	0.0024	0.0459	0.0021	0.0068	0.0001	46.0	2.0	43.4	0.7	121	778	0.16
18ZX26-1 30	0.0455	0.0014	0.0352	0.0014	0.0055	0.0002	35.0	1.0	35.6	0.9	881	3337	0.26
18ZX26-1 31	0.0469	0.0033	0.0308	0.0019	0.0048	0.0001	31.0	2.0	31.1	0.6	257	515	0.50
18ZX26-1 32	0.0450	0.0017	0.0290	0.0010	0.0047	0.0001	29.0	1.0	30.0	0.4	877	2486	0.35
18ZX26-1 33	0.0461	0.0046	0.0317	0.0030	0.0050	0.0002	32.0	3.0	32.1	1.0	120	366	0.33

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX26-1 34	0.0461	0.0031	0.0477	0.0031	0.0075	0.0001	47.0	3.0	48.3	0.8	315	810	0.39
18ZX26-1 35	0.0526	0.0028	0.0501	0.0024	0.0070	0.0001	50.0	2.0	45.0	0.7	392	726	0.54
18ZX26-1 36	0.0452	0.0016	0.0344	0.0013	0.0055	0.0001	34.0	1.0	35.2	0.4	1846	1545	1.19
18ZX26-1 37	0.0584	0.0066	0.0379	0.0035	0.0051	0.0002	38.0	3.0	32.7	1.0	150	147	1.01
18ZX26-1 38	0.0450	0.0025	0.0459	0.0022	0.0076	0.0001	46.0	2.0	48.6	0.8	690	752	0.92
18ZX26-1 39	0.0463	0.0074	0.0456	0.0072	0.0071	0.0002	45.0	7.0	45.8	1.0	449	390	1.15
18ZX26-1 40	0.0440	0.0025	0.0297	0.0016	0.0050	0.0001	30.0	2.0	31.9	0.5	127	656	0.19
18ZX26-1 41	0.0506	0.0020	0.0375	0.0015	0.0054	0.0001	37.0	1.0	34.4	0.5	176	1258	0.14
18ZX26-1 42	0.0466	0.0014	0.0360	0.0011	0.0056	0.0001	36.0	1.0	35.8	0.5	1770	2368	0.75
18ZX26-1 43	0.0457	0.0011	0.0285	0.0007	0.0045	0.0000	28.5	0.7	28.7	0.3	4075	5123	0.80
18ZX26-1 44	0.0565	0.0035	0.0594	0.0043	0.0074	0.0001	59.0	4.0	47.7	0.7	493	731	0.67
18ZX26-1 45	0.0474	0.0015	0.0431	0.0014	0.0066	0.0001	43.0	1.0	42.1	0.5	481	1941	0.25
18ZX26-1 46	0.0463	0.0026	0.0337	0.0018	0.0053	0.0001	34.0	2.0	34.0	0.4	660	1418	0.47
18ZX26-1 47	0.0467	0.0022	0.0370	0.0017	0.0058	0.0001	37.0	2.0	37.2	0.6	1075	1429	0.75
18ZX26-1 48	0.0457	0.0018	0.0444	0.0017	0.0070	0.0001	44.0	2.0	45.2	0.6	461	1648	0.28
18ZX26-1 49	0.0470	0.0017	0.0407	0.0015	0.0063	0.0001	40.0	1.0	40.1	0.6	1563	2175	0.72
18ZX26-1 50	0.0483	0.0014	0.0365	0.0012	0.0055	0.0001	36.0	1.0	35.0	0.6	1626	3318	0.49
18ZX26-1 51	0.0470	0.0039	0.0295	0.0020	0.0048	0.0001	30.0	2.0	30.9	0.7	190	373	0.51
18ZX26-1 52	0.0547	0.0018	0.1009	0.0031	0.0133	0.0002	98.0	3.0	85.4	1.0	382	855	0.45
18ZX26-1 53	0.0493	0.0036	0.0416	0.0029	0.0063	0.0002	41.0	3.0	40.5	1.0	190	414	0.46
18ZX26-1 54	0.0531	0.0038	0.0578	0.0037	0.0079	0.0002	57.0	4.0	51.0	1.0	236	240	0.99
18ZX26-1 55	0.0583	0.0091	0.0277	0.0025	0.0044	0.0002	28.0	2.0	28.0	1.0	126	130	0.97
18ZX26-1 56	0.0468	0.0016	0.0368	0.0012	0.0057	0.0001	37.0	1.0	36.6	0.5	1483	2387	0.62
18ZX26-1 57	0.0461	0.0015	0.0305	0.0009	0.0048	0.0001	30.5	0.9	30.9	0.4	674	2393	0.28

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX26-1 58	0.0466	0.0025	0.0506	0.0029	0.0078	0.0001	50.0	3.0	49.9	0.8	422	551	0.77
18ZX26-1 59	0.0481	0.0017	0.0349	0.0013	0.0053	0.0001	35.0	1.0	33.9	0.6	178	2335	0.08
18ZX26-1 60	0.0474	0.0014	0.0418	0.0013	0.0064	0.0001	42.0	1.0	40.9	0.5	839	3464	0.24
18ZX26-1 61	0.0532	0.0033	0.0300	0.0015	0.0042	0.0001	30.0	2.0	26.9	0.4	170	748	0.23
18ZX26-1 62	0.0477	0.0020	0.0316	0.0013	0.0048	0.0001	32.0	1.0	30.9	0.4	320	1185	0.27
18ZX26-1 63	0.0482	0.0033	0.0492	0.0029	0.0075	0.0001	49.0	3.0	48.2	0.9	137	262	0.52
18ZX26-1 64	0.0506	0.0019	0.0506	0.0018	0.0073	0.0001	50.0	2.0	46.8	0.6	262	1162	0.23
18ZX26-1 65	0.0807	0.0029	0.0760	0.0026	0.0069	0.0001	74.0	2.0	44.0	0.6	2006	2211	0.91
18ZX26-1 66	0.0468	0.0020	0.0472	0.0021	0.0073	0.0001	47.0	2.0	46.8	0.6	316	890	0.35
18ZX26-1 67	0.0522	0.0021	0.0432	0.0015	0.0062	0.0001	43.0	1.0	39.5	0.6	1286	2713	0.47
18ZX26-1 68	0.0461	0.0013	0.0328	0.0008	0.0052	0.0001	32.8	0.8	33.2	0.4	364	2524	0.14
18ZX26-1 69	0.0524	0.0017	0.0570	0.0017	0.0079	0.0001	56.0	2.0	50.7	0.5	323	3732	0.09
18ZX26-1 70	0.0691	0.0118	0.0452	0.0077	0.0048	0.0001	45.0	7.0	30.5	0.6	432	2992	0.14
18ZX26-1 71	0.0478	0.0014	0.0306	0.0009	0.0046	0.0001	30.6	0.9	29.7	0.4	1531	4001	0.38
18ZX26-1 72	0.0461	0.0073	0.0299	0.0047	0.0047	0.0001	30.0	5.0	30.3	0.8	300	370	0.81
18ZX26-1 73	0.0511	0.0035	0.0404	0.0026	0.0058	0.0001	40.0	2.0	37.3	0.7	319	563	0.57
18ZX26-1 74	0.0461	0.0008	0.0304	0.0004	0.0048	0.0001	30.4	0.4	30.8	0.3	1064	2413	0.44
18ZX26-1 75	0.0504	0.0032	0.0511	0.0031	0.0074	0.0001	51.0	3.0	47.2	0.6	208	963	0.22
18ZX26-1 76	0.0481	0.0034	0.0423	0.0029	0.0064	0.0001	42.0	3.0	41.1	0.7	421	859	0.49
18ZX26-1 77	0.0522	0.0024	0.0501	0.0021	0.0070	0.0001	50.0	2.0	45.0	0.6	493	776	0.64
18ZX26-1 78	0.0461	0.0030	0.0348	0.0021	0.0055	0.0001	35.0	2.0	35.2	0.8	235	2148	0.11
18ZX26-1 79	0.1038	0.0024	3.4268	0.0863	0.2362	0.0034	1511.0	20.0	1367.0	18.0	61	227	0.27
18ZX26-1 80	0.0461	0.0034	0.0269	0.0020	0.0042	0.0001	27.0	2.0	27.3	0.3	1035	4367	0.24
18ZX26-1 81	0.0495	0.0017	0.0436	0.0015	0.0063	0.0001	43.0	1.0	40.7	0.5	426	1676	0.25

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX26-1 82	0.0461	0.0032	0.0336	0.0022	0.0053	0.0001	34.0	2.0	34.1	0.7	309	1847	0.17
18ZX26-1 83	0.0520	0.0028	0.0460	0.0023	0.0065	0.0001	46.0	2.0	41.9	0.8	277	1064	0.26
18ZX26-1 84	0.0476	0.0012	0.0401	0.0010	0.0061	0.0001	39.9	1.0	39.2	0.4	469	4956	0.09
18ZX26-1 85	0.0518	0.0020	0.0528	0.0020	0.0074	0.0001	52.0	2.0	47.4	0.6	934	1278	0.73
18ZX26-1 86	0.0480	0.0022	0.0510	0.0023	0.0077	0.0001	50.0	2.0	49.3	0.7	399	668	0.60
18ZX26-1 87	0.0509	0.0020	0.0539	0.0021	0.0077	0.0001	53.0	2.0	49.3	0.7	391	952	0.41
18ZX26-1 88	0.0640	0.0094	0.0452	0.0066	0.0051	0.0001	45.0	6.0	32.9	0.5	47	2321	0.02
18ZX26-1 89	0.0461	0.0045	0.0401	0.0038	0.0063	0.0002	40.0	4.0	40.6	1.0	353	417	0.85
18ZX26-1 90	0.0503	0.0016	0.0370	0.0011	0.0053	0.0001	37.0	1.0	34.3	0.6	1092	6325	0.17
18ZX26-1 91	0.0461	0.0018	0.0299	0.0011	0.0047	0.0001	30.0	1.0	30.2	0.4	1475	2232	0.66
18ZX26-1 92	0.0491	0.0021	0.0407	0.0019	0.0060	0.0001	41.0	2.0	38.5	0.6	677	1396	0.48
18ZX26-1 93	0.0521	0.0018	0.0501	0.0017	0.0070	0.0001	50.0	2.0	45.1	0.6	432	1478	0.29
18ZX26-1 94	0.0461	0.0026	0.0483	0.0026	0.0076	0.0001	48.0	2.0	48.9	0.8	288	515	0.56
18ZX26-1 95	0.0461	0.0026	0.0479	0.0026	0.0075	0.0001	47.0	3.0	48.4	0.7	429	1027	0.42
18ZX26-1 96	0.0488	0.0014	0.0354	0.0010	0.0053	0.0001	35.3	0.9	33.7	0.3	4412	4104	1.08
18ZX26-1 97	0.0502	0.0015	0.0357	0.0011	0.0051	0.0001	36.0	1.0	33.0	0.3	2177	4393	0.50
18ZX26-1 98	0.0471	0.0011	0.0337	0.0008	0.0052	0.0001	33.7	0.8	33.2	0.3	1369	7166	0.19
18ZX26-1 99	0.0461	0.0044	0.0336	0.0031	0.0053	0.0001	34.0	3.0	34.0	0.8	327	1442	0.23
18ZX26-1 100	0.0481	0.0089	0.0341	0.0062	0.0051	0.0001	34.0	6.0	33.1	0.8	386	1204	0.32
18ZX28-1 101	0.0465	0.0021	0.0294	0.0013	0.0046	0.0001	29.0	1.0	29.6	0.4	117	1292	0.09
18ZX28-1 19	0.0474	0.0014	0.0275	0.0008	0.0042	0.0000	27.5	0.7	27.0	0.2	36	4517	0.01
18ZX28-1 20	0.0479	0.0013	0.0277	0.0007	0.0042	0.0000	27.8	0.7	27.0	0.3	38	4415	0.01
18ZX28-1 24	0.0549	0.0038	0.1667	0.0111	0.0222	0.0006	157.0	10.0	141.0	4.0	95	124	0.77

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX28-1 22	0.0472	0.0015	0.0268	0.0008	0.0041	0.0000	26.9	0.8	26.5	0.2	33	3078	0.01
18ZX28-1 23	0.0480	0.0010	0.0275	0.0005	0.0041	0.0000	27.5	0.5	26.6	0.2	136	10751	0.01
18ZX28-1 24	0.0509	0.0025	0.0729	0.0033	0.0106	0.0002	71.0	3.0	67.6	1.0	276	396	0.70
18ZX28-1 25	0.0448	0.0018	0.0277	0.0011	0.0045	0.0001	28.0	1.0	28.8	0.3	64	1799	0.04
18ZX28-1 26	0.0480	0.0013	0.0285	0.0008	0.0043	0.0001	28.5	0.8	27.6	0.3	62	6019	0.01
18ZX28-1 27	0.0470	0.0015	0.0284	0.0009	0.0044	0.0001	28.4	0.9	28.1	0.3	33	4139	0.01
18ZX28-1 28	0.0467	0.0014	0.0272	0.0008	0.0042	0.0000	27.3	0.8	27.1	0.3	41	4808	0.01
18ZX28-1 29	0.0450	0.0014	0.0263	0.0009	0.0042	0.0000	26.4	0.8	27.1	0.3	43	4105	0.01
18ZX28-1 30	0.0511	0.0034	0.0335	0.0020	0.0048	0.0001	33.0	2.0	31.0	0.6	132	730	0.18
18ZX28-1 31	0.0470	0.0029	0.0308	0.0016	0.0048	0.0001	31.0	2.0	30.9	0.5	19	600	0.03
18ZX28-1 32	0.0468	0.0013	0.0279	0.0007	0.0043	0.0001	28.0	0.7	27.8	0.3	53	3853	0.01
18ZX28-1 33	0.0540	0.0055	0.0677	0.0064	0.0091	0.0003	67.0	6.0	58.0	2.0	45	330	0.14
18ZX28-1 34	0.0699	0.0015	0.1613	0.0167	0.0155	0.0014	152.0	15.0	99.0	9.0	18667	20215	0.92
18ZX28-1 35	0.0479	0.0022	0.0472	0.0021	0.0072	0.0001	47.0	2.0	46.5	0.8	71	685	0.10
18ZX28-1 36	0.0480	0.0017	0.0280	0.0010	0.0042	0.0001	28.1	1.0	27.2	0.4	26	2118	0.01
18ZX28-1 37	0.0519	0.0040	0.0501	0.0033	0.0072	0.0001	50.0	3.0	46.5	0.9	228	349	0.65
18ZX28-1 38	0.0503	0.0021	0.0715	0.0030	0.0103	0.0002	70.0	3.0	66.1	0.9	501	631	0.79
18ZX28-1 39	0.0477	0.0012	0.0279	0.0007	0.0042	0.0000	28.0	0.7	27.1	0.3	63	6876	0.01
18ZX28-1 40	0.0462	0.0055	0.0441	0.0051	0.0069	0.0002	44.0	5.0	44.0	1.0	226	231	0.97
18ZX28-1 41	0.0469	0.0010	0.0269	0.0006	0.0041	0.0000	27.0	0.6	26.6	0.2	76	9168	0.01
18ZX28-1 42	0.0474	0.0008	0.0277	0.0005	0.0042	0.0000	27.7	0.5	27.0	0.2	143	12216	0.01
18ZX28-1 43	0.0440	0.0025	0.0325	0.0019	0.0054	0.0001	32.0	2.0	34.6	0.8	54	808	0.07
18ZX28-1 44	0.0466	0.0010	0.0271	0.0006	0.0042	0.0000	27.1	0.6	26.9	0.2	77	7749	0.01
18ZX28-1 45	0.0463	0.0037	0.0477	0.0033	0.0075	0.0002	47.0	3.0	48.0	1.0	203	252	0.81

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX28-1 46	0.0605	0.0048	0.2394	0.0157	0.0298	0.0006	218.0	13.0	189.0	4.0	54	57	0.95
18ZX28-1 47	0.0461	0.0011	0.0269	0.0007	0.0042	0.0000	26.9	0.6	26.9	0.3	74	7581	0.01
18ZX28-1 48	4.0007	3.9327	2.6373	5.3320	0.0049	0.0003	1311.0	1488.0	31.0	2.0	4	69	0.06
18ZX28-1 49	0.0461	0.0126	0.0659	0.0179	0.0104	0.0004	65.0	17.0	67.0	3.0	108	214	0.51
18ZX28-1 50	0.0462	0.0019	0.0400	0.0018	0.0062	0.0001	40.0	2.0	39.9	0.6	169	1088	0.16
18ZX28-1 51	0.0635	0.0034	0.0370	0.0023	0.0041	0.0001	37.0	2.0	26.4	0.3	95	2861	0.03
18ZX28-1 52	0.0587	0.0019	0.5590	0.0184	0.0687	0.0008	451.0	12.0	428.0	5.0	140	139	1.01
18ZX28-1 53	0.0461	0.0022	0.0263	0.0012	0.0041	0.0001	26.0	1.0	26.6	0.4	14	1321	0.01
18ZX28-1 54	0.0533	0.0036	0.1997	0.0115	0.0272	0.0010	185.0	10.0	173.0	6.0	36	445	0.08
18ZX28-1 55	0.1852	0.0154	2.0651	0.1378	0.0809	0.0040	1137.0	46.0	501.0	24.0	53	396	0.13
18ZX28-1 56	0.0450	0.0009	0.0270	0.0006	0.0043	0.0000	27.0	0.5	27.7	0.2	1840	11570	0.16
18ZX28-1 57	0.0461	0.0017	0.0272	0.0010	0.0043	0.0001	27.2	1.0	27.5	0.3	241	2701	0.09
18ZX28-1 58	0.0552	0.0185	0.0681	0.0227	0.0090	0.0003	67.0	22.0	57.0	2.0	117	263	0.44
18ZX28-1 59	0.0483	0.0038	0.0637	0.0044	0.0100	0.0002	63.0	4.0	64.0	1.0	76	220	0.35
18ZX28-1 60	0.0460	0.0013	0.0268	0.0008	0.0042	0.0000	26.8	0.8	27.0	0.3	34	4728	0.01
18ZX28-1 61	0.0488	0.0018	0.0510	0.0019	0.0076	0.0001	50.0	2.0	48.6	0.8	410	1274	0.32
18ZX28-1 62	0.0831	0.0403	0.0991	0.0659	0.0113	0.0005	96.0	61.0	72.0	3.0	13	33	0.38
18ZX28-1 63	0.1714	0.0040	9.0672	0.1799	0.3836	0.0047	2345.0	18.0	2093.0	22.0	125	338	0.37
18ZX28-1 64	0.0497	0.0018	0.0533	0.0019	0.0078	0.0001	53.0	2.0	50.1	0.6	649	922	0.70
18ZX28-1 65	0.0457	0.0013	0.0275	0.0007	0.0043	0.0000	27.6	0.7	27.9	0.3	979	5248	0.19
18ZX28-1 66	0.0480	0.0016	0.0273	0.0009	0.0041	0.0001	27.4	0.8	26.6	0.3	32	2515	0.01
18ZX28-1 67	0.0508	0.0047	0.0558	0.0052	0.0081	0.0002	55.0	5.0	52.1	1.0	245	305	0.81
18ZX28-1 68	0.0463	0.0024	0.0289	0.0015	0.0045	0.0001	29.0	1.0	29.1	0.4	144	1198	0.12
18ZX28-1 69	0.0508	0.0032	0.0638	0.0037	0.0092	0.0002	63.0	4.0	59.0	1.0	92	305	0.30

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX28-1 70	0.0498	0.0030	0.0614	0.0035	0.0091	0.0002	61.0	3.0	58.0	1.0	85	350	0.24
18ZX28-1 71	0.0415	0.0041	0.0585	0.0047	0.0110	0.0003	58.0	5.0	70.0	2.0	50	116	0.43
18ZX28-1 72	0.0560	0.0027	0.1187	0.0056	0.0155	0.0003	114.0	5.0	99.0	2.0	128	305	0.42
18ZX28-1 73	0.0461	0.0010	0.0263	0.0004	0.0041	0.0001	26.3	0.4	26.6	0.4	332	1773	0.19
18ZX28-1 74	0.0570	0.0045	0.0351	0.0031	0.0044	0.0001	35.0	3.0	28.5	0.3	127	1646	0.08
18ZX28-1 75	0.0479	0.0015	0.0272	0.0009	0.0041	0.0000	27.3	0.9	26.5	0.3	72	3450	0.02
18ZX28-1 76	0.0479	0.0036	0.0695	0.0049	0.0108	0.0002	68.0	5.0	69.0	1.0	149	233	0.64
18ZX28-1 77	0.0512	0.0025	0.0331	0.0016	0.0047	0.0001	33.0	2.0	30.3	0.4	33	1829	0.02
18ZX28-1 78	0.0487	0.0030	0.0476	0.0027	0.0072	0.0001	47.0	3.0	46.1	0.9	338	366	0.93
18ZX28-1 79	0.2076	0.0243	1.4758	0.1359	0.0516	0.0037	921.0	56.0	324.0	23.0	211	1031	0.21
18ZX28-1 80	0.0461	0.0016	0.0248	0.0008	0.0039	0.0000	24.8	0.8	25.1	0.2	48	3285	0.01
18ZX28-1 81	0.0435	0.0029	0.0447	0.0029	0.0074	0.0001	44.0	3.0	47.4	0.7	428	462	0.93
18ZX28-1 82	0.0409	0.0028	0.0357	0.0022	0.0063	0.0001	36.0	2.0	40.8	0.6	120	512	0.23
18ZX28-1 83	0.0427	0.0037	0.0511	0.0037	0.0091	0.0002	51.0	4.0	58.0	1.0	158	279	0.57
18ZX28-1 84	0.0511	0.0037	0.0506	0.0034	0.0074	0.0002	50.0	3.0	47.3	1.0	238	307	0.77
18ZX28-1 85	0.0497	0.0014	0.0290	0.0008	0.0042	0.0000	29.0	0.8	27.2	0.3	174	3007	0.06
18ZX28-1 86	0.0463	0.0017	0.0282	0.0010	0.0044	0.0001	28.0	1.0	28.3	0.4	313	3133	0.10
18ZX28-1 87	0.0494	0.0014	0.0286	0.0008	0.0042	0.0001	28.7	0.8	26.9	0.3	54	3848	0.01
18ZX28-1 88	0.0535	0.0041	0.0345	0.0032	0.0047	0.0001	34.0	3.0	29.9	0.7	32	784	0.04
18ZX28-1 89	0.0554	0.0025	0.1149	0.0061	0.0146	0.0004	110.0	6.0	93.0	3.0	161	329	0.49
18ZX28-1 90	0.0489	0.0012	0.0276	0.0007	0.0041	0.0000	27.6	0.7	26.1	0.3	47	5818	0.01
18ZX28-1 91	0.0434	0.0021	0.0280	0.0013	0.0047	0.0001	28.0	1.0	30.1	0.4	140	1390	0.10
18ZX28-1 92	0.0662	0.0044	0.6694	0.0381	0.0734	0.0026	520.0	23.0	457.0	15.0	107	519	0.21
18ZX28-1 93	0.0486	0.0035	0.0302	0.0020	0.0045	0.0001	30.0	2.0	29.2	0.5	553	535	1.03

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX28-1 94	0.0529	0.0015	0.0309	0.0009	0.0042	0.0001	30.9	0.9	27.1	0.3	3566	17109	0.21
18ZX28-1 95	0.0746	0.0036	1.0131	0.0447	0.0985	0.0019	710.0	23.0	606.0	11.0	127	313	0.40
18ZX28-1 96	0.0461	0.0014	0.0262	0.0007	0.0041	0.0001	26.2	0.7	26.5	0.3	53	3845	0.01
18ZX28-1 97	0.0770	0.0016	1.5380	0.0599	0.1445	0.0049	946.0	24.0	870.0	28.0	155	194	0.80
18ZX28-1 98	0.0487	0.0017	0.0275	0.0009	0.0041	0.0000	27.5	0.9	26.4	0.3	39	3057	0.01
18ZX28-1 99	0.0506	0.0026	0.0354	0.0018	0.0051	0.0001	35.0	2.0	32.6	0.5	110	909	0.12
18ZX28-1 100	0.0745	0.0016	1.7173	0.0365	0.1667	0.0014	1015.0	14.0	994.0	7.0	109	306	0.35
18ZX01-1 01	0.0472	0.0032	0.0255	0.0015	0.0040	0.0001	26.0	1.0	25.7	0.4	258	263	0.98
18ZX01-1 02	0.0502	0.0055	0.0251	0.0020	0.0040	0.0001	25.0	2.0	25.8	0.6	312	168	1.86
18ZX01-1 03	0.0488	0.0010	0.0337	0.0009	0.0050	0.0001	33.7	0.8	32.1	0.5	657	2316	0.28
18ZX01-1 04	0.0473	0.0016	0.0203	0.0007	0.0031	0.0000	20.4	0.7	20.0	0.2	205	1455	0.14
18ZX01-1 05	0.0544	0.0030	0.0290	0.0017	0.0039	0.0001	29.0	2.0	25.3	0.6	363	819	0.44
18ZX01-1 06	0.0488	0.0017	0.0344	0.0012	0.0052	0.0001	34.0	1.0	33.4	0.6	377	504	0.75
18ZX01-1 07	0.0461	0.0018	0.0538	0.0019	0.0085	0.0001	53.0	2.0	54.4	0.8	161	227	0.71
18ZX01-1 08	0.0517	0.0040	0.0295	0.0019	0.0043	0.0001	30.0	2.0	27.9	0.5	185	205	0.90
18ZX01-1 10	0.0430	0.0064	0.0232	0.0030	0.0046	0.0001	23.0	3.0	29.3	0.9	61	104	0.58
18ZX01-1 11	0.0440	0.0035	0.0247	0.0017	0.0042	0.0001	25.0	2.0	27.1	0.5	433	363	1.19
18ZX01-1 12	0.0677	0.0089	0.0348	0.0028	0.0048	0.0002	35.0	3.0	31.0	1.0	95	214	0.44
18ZX01-1 13	0.0599	0.0071	0.0280	0.0025	0.0037	0.0001	28.0	2.0	24.0	0.7	135	121	1.12
18ZX01-1 14	0.0449	0.0037	0.0254	0.0018	0.0042	0.0001	26.0	2.0	27.1	0.6	128	223	0.57
18ZX01-1 15	0.0535	0.0067	0.0254	0.0023	0.0039	0.0001	25.0	2.0	25.4	0.8	117	107	1.09
18ZX01-1 16	0.0462	0.0085	0.0509	0.0091	0.0080	0.0003	50.0	9.0	51.0	2.0	58	105	0.56
18ZX01-1 17	0.0576	0.0079	0.0273	0.0026	0.0039	0.0001	27.0	3.0	25.1	0.7	169	151	1.11

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX01-1 18	0.0486	0.0033	0.0450	0.0026	0.0069	0.0001	45.0	3.0	44.5	0.8	271	248	1.09
18ZX03-1 01	0.0560	0.0100	0.0284	0.0044	0.0044	0.0002	28.0	4.0	28.0	1.0	35	38	2.10
18ZX03-1 02	0.0480	0.0056	0.0261	0.0023	0.0044	0.0001	26.0	2.0	28.2	0.9	64	93	1.62
18ZX03-1 03	0.0678	0.0148	0.0302	0.0036	0.0043	0.0002	30.0	4.0	27.4	1.0	33	33	1.59
18ZX03-1 04	0.0515	0.0032	0.0284	0.0015	0.0041	0.0001	28.0	1.0	26.4	0.5	413	222	2.00
18ZX03-1 05	0.0484	0.0035	0.0417	0.0019	0.0065	0.0001	41.0	2.0	41.5	0.8	287	478	2.11
18ZX03-1 06	0.0461	0.0015	0.0397	0.0015	0.0063	0.0001	39.0	1.0	40.2	0.8	405	887	2.09
18ZX03-1 07	0.0461	0.0394	0.0284	0.0240	0.0045	0.0006	28.0	24.0	29.0	4.0	78	71	2.00
18ZX03-1 08	0.0466	0.0019	0.0496	0.0019	0.0077	0.0001	49.0	2.0	49.3	0.6	355	350	1.81
18ZX03-1 09	0.0504	0.0010	0.1662	0.0041	0.0239	0.0004	156.0	4.0	152.0	2.0	315	600	1.54
18ZX03-1 10	0.0532	0.0032	0.0292	0.0016	0.0041	0.0001	29.0	2.0	26.1	0.4	215	370	1.70
18ZX03-1 11	0.0484	0.0015	0.0511	0.0016	0.0077	0.0001	51.0	2.0	49.4	0.7	52	696	2.35
18ZX03-1 12	0.0461	0.0112	0.0287	0.0067	0.0045	0.0003	29.0	7.0	29.0	2.0	20	27	1.71
18ZX03-1 13	0.0477	0.0032	0.0265	0.0016	0.0042	0.0001	27.0	2.0	26.7	0.5	334	215	2.13
18ZX03-1 14	0.0590	0.0089	0.0302	0.0032	0.0043	0.0002	30.0	3.0	27.6	1.0	37	53	1.93
18ZX03-1 15	0.0522	0.0073	0.0301	0.0038	0.0043	0.0001	30.0	4.0	27.4	0.9	42	59	2.13
18ZX03-1 16	0.0473	0.0021	0.0263	0.0012	0.0042	0.0001	26.0	1.0	26.7	0.6	318	579	1.84
18ZX03-1 17	0.0525	0.0052	0.0272	0.0020	0.0043	0.0001	27.0	2.0	27.7	0.8	115	101	2.47
18ZX03-1 18	0.0742	0.0174	0.0289	0.0076	0.0044	0.0002	29.0	7.0	28.0	1.0	17	37	1.94
18ZX04-1 01	0.0512	0.0057	0.0279	0.0021	0.0043	0.0001	28.0	2.0	27.4	0.8	58	64	0.31
18ZX04-1 02	0.0463	0.0011	0.0339	0.0008	0.0053	0.0000	33.9	0.8	34.0	0.3	418	1776	0.58
18ZX04-1 03	0.0461	0.0015	0.0470	0.0014	0.0074	0.0001	47.0	1.0	47.5	0.6	366	432	0.70

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX04-1 04	0.0473	0.0017	0.0612	0.0022	0.0094	0.0001	60.0	2.0	60.1	0.7	152	362	0.23
18ZX04-1 05	0.0583	0.0090	0.0290	0.0033	0.0043	0.0001	29.0	3.0	27.5	0.9	88	128	0.00
18ZX04-1 06	0.0500	0.0014	0.1563	0.0048	0.0227	0.0003	147.0	4.0	145.0	2.0	183	234	0.00
18ZX04-1 07	0.0440	0.0023	0.0240	0.0012	0.0040	0.0001	24.0	1.0	25.7	0.4	441	411	0.25
18ZX04-1 08	0.0413	0.0033	0.0231	0.0016	0.0042	0.0001	23.0	2.0	27.2	0.6	204	277	0.00
18ZX04-1 09	0.0466	0.0026	0.0575	0.0028	0.0092	0.0002	57.0	3.0	59.0	1.0	123	227	0.00
18ZX04-1 10	0.0490	0.0012	0.0191	0.0005	0.0028	0.0000	19.2	0.5	18.2	0.1	1186	3013	0.78
18ZX04-1 11	0.0511	0.0017	0.0247	0.0009	0.0035	0.0001	24.8	0.9	22.7	0.5	464	1132	0.15
18ZX04-1 12	0.0579	0.0034	0.0628	0.0033	0.0081	0.0001	62.0	3.0	52.3	0.9	102	181	0.34
18ZX04-1 13	0.0606	0.0029	0.0293	0.0014	0.0036	0.0001	29.0	1.0	22.9	0.4	316	1178	0.70
18ZX04-1 14	0.0577	0.0045	0.0387	0.0026	0.0051	0.0001	39.0	3.0	32.7	0.7	137	170	0.17
18ZX04-1 16	0.0640	0.0107	0.0303	0.0037	0.0042	0.0002	30.0	4.0	27.0	1.0	56	54	0.27
18ZX04-1 17	0.0510	0.0014	0.0425	0.0012	0.0060	0.0001	42.0	1.0	38.7	0.3	450	1785	0.38
18ZX04-1 18	0.0482	0.0018	0.0548	0.0019	0.0083	0.0001	54.0	2.0	53.4	0.6	179	464	0.00
18ZX04-1 19	0.0476	0.0016	0.0197	0.0007	0.0030	0.0000	19.8	0.7	19.3	0.2	267	1532	0.38
18ZX04-1 20	0.0488	0.0018	0.0594	0.0022	0.0089	0.0001	59.0	2.0	56.8	0.9	94	398	0.21
18ZX04-1 21	0.0550	0.0051	0.0285	0.0021	0.0041	0.0001	29.0	2.0	26.1	0.6	186	141	0.00
18ZX04-1 22	0.0479	0.0020	0.0245	0.0012	0.0037	0.0001	25.0	1.0	24.0	0.6	215	915	0.22
18ZX04-1 23	0.0489	0.0013	0.0355	0.0011	0.0053	0.0001	35.0	1.0	33.9	0.5	272	1638	0.73
18ZX04-1 24	0.0461	0.0019	0.0484	0.0019	0.0076	0.0001	48.0	2.0	49.0	0.6	117	553	0.23
18ZX05-2 01	0.0552	0.0056	0.0292	0.0023	0.0040	0.0001	29.0	2.0	25.7	0.7	162	121	1.34
18ZX05-2 02	0.0531	0.0059	0.0266	0.0020	0.0042	0.0001	27.0	2.0	26.9	0.8	103	84	1.22
18ZX05-2 03	0.0693	0.0103	0.0335	0.0033	0.0043	0.0001	33.0	3.0	27.5	0.9	59	51	1.15

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX05-2 04	0.0483	0.0011	0.0392	0.0009	0.0059	0.0001	39.1	0.9	37.9	0.3	269	1857	0.15
18ZX05-2 05	0.0560	0.0051	0.0329	0.0025	0.0045	0.0001	33.0	2.0	29.0	0.8	91	156	0.58
18ZX05-2 06	0.0511	0.0025	0.0293	0.0013	0.0043	0.0001	29.0	1.0	27.4	0.4	183	498	0.37
18ZX05-2 07	0.0576	0.0092	0.0306	0.0044	0.0047	0.0002	31.0	4.0	30.2	1.0	54	57	0.95
18ZX05-2 08	0.0483	0.0016	0.0571	0.0018	0.0086	0.0001	56.0	2.0	55.4	0.6	326	537	0.61
18ZX05-2 09	0.0494	0.0020	0.0685	0.0030	0.0101	0.0002	67.0	3.0	65.0	1.0	192	308	0.62
18ZX05-2 10	0.0483	0.0052	0.0278	0.0030	0.0042	0.0001	28.0	3.0	26.8	0.5	283	280	1.01
18ZX05-2 11	0.0463	0.0019	0.0528	0.0022	0.0083	0.0001	52.0	2.0	53.3	0.6	251	371	0.68
18ZX05-2 12	0.0629	0.0024	0.0712	0.0026	0.0083	0.0001	70.0	2.0	53.3	0.7	224	420	0.53
18ZX05-2 13	0.0474	0.0023	0.0272	0.0012	0.0042	0.0001	27.0	1.0	27.1	0.3	566	586	0.97
18ZX05-2 14	0.0481	0.0010	0.0197	0.0004	0.0030	0.0000	19.8	0.4	19.1	0.2	1543	4108	0.38
18ZX05-2 15	0.0485	0.0008	0.0198	0.0003	0.0030	0.0000	19.9	0.3	19.0	0.1	2533	6123	0.41
18ZX05-2 16	0.0486	0.0020	0.0557	0.0021	0.0085	0.0001	55.0	2.0	54.5	0.6	276	382	0.72
18ZX05-2 17	0.0487	0.0034	0.0283	0.0017	0.0044	0.0001	28.0	2.0	28.3	0.5	227	333	0.68
18ZX05-2 18	0.0464	0.0027	0.0227	0.0012	0.0036	0.0001	23.0	1.0	22.9	0.4	237	1017	0.23
18ZX09-2 01	0.0471	0.0029	0.0450	0.0026	0.0072	0.0001	45.0	3.0	46.0	0.8	303	324	0.94
18ZX09-2 02	0.0470	0.0014	0.0216	0.0006	0.0033	0.0000	21.7	0.6	21.5	0.2	546	7438	0.07
18ZX09-2 03	0.0425	0.0027	0.0429	0.0026	0.0075	0.0001	43.0	2.0	48.1	0.7	329	396	0.83
18ZX09-2 04	0.0474	0.0012	0.0210	0.0005	0.0032	0.0000	21.1	0.5	20.7	0.2	9658	23550	0.41
18ZX09-2 05	0.0461	0.0032	0.0470	0.0031	0.0074	0.0002	47.0	3.0	48.0	1.0	630	551	1.14
18ZX09-2 06	0.0496	0.0039	0.0264	0.0020	0.0039	0.0001	26.0	2.0	24.9	0.5	250	1602	0.16
18ZX09-2 07	0.0463	0.0016	0.0423	0.0014	0.0066	0.0001	42.0	1.0	42.6	0.5	852	2203	0.39
18ZX09-2 08	0.0593	0.0119	0.0563	0.0090	0.0079	0.0004	56.0	9.0	51.0	2.0	32	37	0.88

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX09-2 09	0.0745	0.0030	0.0537	0.0021	0.0053	0.0001	53.0	2.0	33.7	0.5	648	908	0.71
18ZX09-2 10	0.0443	0.0044	0.0405	0.0040	0.0068	0.0002	40.0	4.0	44.0	1.0	129	267	0.48
18ZX09-2 11	0.0494	0.0049	0.0226	0.0022	0.0033	0.0000	23.0	2.0	21.4	0.2	15671	29509	0.53
18ZX09-2 12	0.0505	0.0020	0.0343	0.0013	0.0050	0.0001	34.0	1.0	31.9	0.4	1436	2621	0.55
18ZX09-2 13	0.0514	0.0017	0.0487	0.0016	0.0069	0.0001	48.0	2.0	44.2	0.5	2013	1949	1.03
18ZX09-2 14	0.0471	0.0015	0.0211	0.0006	0.0033	0.0000	21.2	0.6	20.9	0.3	14925	52911	0.28
18ZX09-2 15	0.0469	0.0008	0.0224	0.0004	0.0035	0.0000	22.5	0.4	22.2	0.2	2664	23815	0.11
18ZX09-2 16	0.0467	0.0024	0.0462	0.0022	0.0073	0.0001	46.0	2.0	46.9	0.7	796	727	1.10
18ZX09-2 17	0.0461	0.0012	0.0204	0.0004	0.0032	0.0000	20.5	0.4	20.7	0.3	10139	19565	0.52
18ZX09-2 18	0.0471	0.0010	0.0223	0.0004	0.0034	0.0000	22.3	0.4	22.1	0.2	1397	16565	0.08
18ZX09-2 19	0.0436	0.0043	0.0561	0.0051	0.0097	0.0004	55.0	5.0	62.0	2.0	127	171	0.74
18ZX09-2 20	0.0554	0.0047	0.0321	0.0023	0.0044	0.0001	32.0	2.0	28.2	0.7	140	503	0.28
18ZX09-2 21	0.0428	0.0047	0.0260	0.0027	0.0044	0.0001	26.0	3.0	28.5	0.9	401	760	0.53
18ZX09-2 22	0.0461	0.0013	0.0212	0.0005	0.0033	0.0000	21.3	0.5	21.5	0.2	1989	12445	0.16
18ZX09-2 23	0.0559	0.0089	0.0285	0.0045	0.0037	0.0001	29.0	4.0	23.8	0.4	3512	6927	0.51
18ZX09-2 24	0.0570	0.0058	0.0322	0.0019	0.0045	0.0002	32.0	2.0	29.2	1.0	379	1724	0.22
18ZX09-2 25	0.0462	0.0023	0.0324	0.0017	0.0051	0.0001	32.0	2.0	32.5	0.6	628	1347	0.47
18ZX09-2 26	0.0562	0.0032	0.0590	0.0031	0.0076	0.0001	58.0	3.0	48.7	0.8	223	506	0.44
18ZX09-2 27	0.0481	0.0021	0.1685	0.0076	0.0254	0.0003	158.0	7.0	161.0	2.0	250	317	0.79
18ZX09-2 28	0.0486	0.0031	0.0445	0.0029	0.0069	0.0002	44.0	3.0	44.0	1.0	88	468	0.19
18ZX09-2 29	0.0735	0.0163	0.0265	0.0037	0.0038	0.0002	27.0	4.0	25.0	1.0	178	112	1.58
18ZX09-2 30	0.0497	0.0032	0.0493	0.0029	0.0073	0.0001	49.0	3.0	46.7	0.8	377	388	0.97
18ZX10-1 01	0.0517	0.0051	0.0547	0.0053	0.0077	0.0002	54.0	5.0	49.0	1.0	315	277	1.13

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX10-1 02	0.0463	0.0018	0.0245	0.0010	0.0039	0.0001	24.6	1.0	25.1	0.4	1761	2830	0.62
18ZX10-1 03	0.0461	0.0021	0.0431	0.0019	0.0068	0.0001	43.0	2.0	43.8	0.7	128	826	0.16
18ZX10-1 04	0.0461	0.0045	0.0249	0.0024	0.0039	0.0001	25.0	2.0	25.2	0.5	843	1815	0.46
18ZX10-1 05	0.0475	0.0031	0.0480	0.0028	0.0075	0.0001	48.0	3.0	47.9	0.7	557	470	1.19
18ZX10-1 06	0.0461	0.0016	0.0248	0.0007	0.0039	0.0001	24.9	0.7	25.1	0.5	467	769	0.61
18ZX10-1 07	0.0480	0.0023	0.0507	0.0024	0.0078	0.0001	50.0	2.0	50.1	0.7	621	516	1.20
18ZX10-1 08	0.0498	0.0016	0.0408	0.0013	0.0060	0.0001	41.0	1.0	38.5	0.5	895	2157	0.41
18ZX10-1 09	0.0461	0.0029	0.1439	0.0084	0.0227	0.0005	136.0	7.0	144.0	3.0	92	116	0.79
18ZX10-1 10	0.0495	0.0029	0.0272	0.0015	0.0040	0.0001	27.0	2.0	25.7	0.4	442	1334	0.33
18ZX10-1 11	0.0532	0.0028	0.1928	0.0092	0.0267	0.0004	179.0	8.0	170.0	3.0	154	166	0.93
18ZX10-1 12	0.0606	0.0074	0.0360	0.0043	0.0043	0.0001	36.0	4.0	27.7	0.7	1056	1409	0.75
18ZX10-1 13	0.0454	0.0031	0.0374	0.0028	0.0059	0.0002	37.0	3.0	38.0	1.0	146	504	0.29
18ZX10-1 14	0.0586	0.0032	0.0355	0.0018	0.0046	0.0001	35.0	2.0	29.3	0.6	488	1030	0.47
18ZX10-1 15	0.0473	0.0022	0.0286	0.0012	0.0045	0.0001	29.0	1.0	28.9	0.4	189	1237	0.15
18ZX10-1 16	0.0498	0.0021	0.0245	0.0010	0.0036	0.0001	24.6	1.0	23.4	0.4	662	1925	0.34
18ZX10-1 17	0.0525	0.0045	0.1591	0.0131	0.0237	0.0007	150.0	11.0	151.0	5.0	88	82	1.07
18ZX10-1 18	0.0525	0.0038	0.0554	0.0038	0.0078	0.0001	55.0	4.0	49.8	0.9	257	344	0.75
18ZX10-1 19	0.0502	0.0025	0.1863	0.0087	0.0269	0.0004	173.0	7.0	171.0	2.0	184	190	0.97
18ZX10-1 20	0.0461	0.0013	0.0232	0.0005	0.0037	0.0001	23.3	0.5	23.5	0.4	670	2945	0.23
18ZX10-1 21	0.0475	0.0015	0.0285	0.0008	0.0044	0.0001	28.6	0.8	28.0	0.3	159	3669	0.04
18ZX10-1 22	0.0485	0.0018	0.0246	0.0010	0.0037	0.0001	24.7	1.0	23.8	0.4	1333	2259	0.59
18ZX10-1 23	0.0556	0.0032	0.1550	0.0079	0.0205	0.0004	146.0	7.0	131.0	2.0	99	152	0.65
18ZX10-1 24	0.0593	0.0071	0.0428	0.0045	0.0060	0.0003	43.0	4.0	39.0	2.0	156	129	1.21
18ZX10-1 25	0.0468	0.0032	0.0473	0.0029	0.0075	0.0002	47.0	3.0	48.2	0.9	325	247	1.32

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX10-1 26	0.0515	0.0028	0.0511	0.0026	0.0074	0.0001	51.0	2.0	47.4	0.9	332	355	0.94
18ZX10-1 27	0.0467	0.0026	0.0460	0.0025	0.0071	0.0001	46.0	2.0	45.8	0.7	1352	1527	0.89
18ZX10-2 01	0.0453	0.0016	0.0660	0.0024	0.0105	0.0001	65.0	2.0	67.5	0.7	761	934	0.81
18ZX10-2 02	0.0548	0.0026	0.0229	0.0011	0.0030	0.0000	23.0	1.0	19.5	0.2	2362	6851	0.34
18ZX10-2 03	0.0517	0.0018	0.0251	0.0008	0.0035	0.0001	25.2	0.8	22.7	0.3	3516	13669	0.26
18ZX10-2 04	0.0880	0.0112	0.0413	0.0052	0.0034	0.0001	41.0	5.0	21.9	0.4	1494	5800	0.26
18ZX10-2 05	0.1121	0.0030	1.2078	0.0301	0.0782	0.0007	804.0	14.0	485.0	4.0	432	455	0.29
18ZX10-2 06	0.1143	0.0093	0.0594	0.0048	0.0038	0.0001	59.0	5.0	24.3	0.4	1153	2840	0.41
18ZX10-2 07	0.0509	0.0019	0.0530	0.0018	0.0076	0.0001	52.0	2.0	48.7	0.5	1096	1259	0.87
18ZX10-2 08	0.0527	0.0029	0.0225	0.0012	0.0031	0.0000	23.0	1.0	19.9	0.2	6642	9699	0.68
18ZX10-2 09	0.0653	0.0051	0.0294	0.0023	0.0033	0.0000	29.0	2.0	21.0	0.2	578	5230	0.11
18ZX10-2 10	0.0522	0.0028	0.0288	0.0015	0.0040	0.0001	29.0	1.0	25.9	0.4	1043	1219	0.85
18ZX10-2 11	0.0458	0.0023	0.0482	0.0022	0.0077	0.0001	48.0	2.0	49.2	0.7	548	488	1.12
18ZX10-2 12	0.0617	0.0043	0.0598	0.0039	0.0071	0.0001	59.0	4.0	45.4	0.8	303	324	0.94
18ZX10-2 13	0.0710	0.0067	0.0318	0.0030	0.0033	0.0000	32.0	3.0	20.9	0.3	3160	16196	0.20
18ZX10-2 14	0.0536	0.0026	0.0632	0.0035	0.0084	0.0003	62.0	3.0	54.0	2.0	310	841	0.37
18ZX10-2 15	0.0471	0.0041	0.0223	0.0018	0.0034	0.0001	22.0	2.0	22.1	0.6	335	6257	0.05
18ZX10-2 16	0.0625	0.0038	0.0288	0.0017	0.0033	0.0000	29.0	2.0	21.5	0.2	757	5762	0.13
18ZX10-2 17	0.0958	0.0187	0.0440	0.0085	0.0033	0.0001	44.0	8.0	21.4	0.6	950	7612	0.12
18ZX10-2 18	0.0594	0.0028	0.0267	0.0012	0.0033	0.0000	27.0	1.0	21.0	0.2	969	6080	0.16
18ZX11-6 01	0.0460	0.0009	0.0216	0.0004	0.0034	0.0000	21.7	0.4	21.8	0.2	551	12216	0.05
18ZX11-6 02	0.0986	0.0397	0.0551	0.0220	0.0041	0.0002	54.0	21.0	26.0	1.0	5614	15231	0.37

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-6 03	0.0452	0.0010	0.0211	0.0004	0.0034	0.0000	21.2	0.4	21.7	0.2	1007	17530	0.06
18ZX11-6 04	0.0484	0.0017	0.0227	0.0008	0.0034	0.0000	22.8	0.8	21.9	0.2	484	7075	0.07
18ZX11-6 05	0.0459	0.0006	0.0212	0.0003	0.0033	0.0000	21.3	0.3	21.4	0.2	4732	34800	0.14
18ZX11-6 06	0.0473	0.0015	0.0221	0.0007	0.0034	0.0000	22.2	0.7	21.9	0.2	163	4417	0.04
18ZX11-6 07	0.0449	0.0007	0.0213	0.0004	0.0034	0.0000	21.4	0.4	22.0	0.2	1546	19504	0.08
18ZX11-6 08	0.1045	0.0270	0.0532	0.0137	0.0037	0.0001	53.0	13.0	23.8	0.8	8847	25365	0.35
18ZX11-6 09	0.0450	0.0009	0.0213	0.0004	0.0034	0.0000	21.4	0.4	21.9	0.2	635	16691	0.04
18ZX11-6 10	0.0484	0.0011	0.0222	0.0005	0.0033	0.0000	22.3	0.5	21.4	0.3	370	10020	0.04
18ZX11-6 11	0.0454	0.0007	0.0212	0.0003	0.0034	0.0000	21.3	0.3	21.7	0.2	2239	40812	0.05
18ZX11-6 12	0.0511	0.0018	0.0245	0.0008	0.0035	0.0001	24.5	0.8	22.2	0.4	766	11385	0.07
18ZX11-6 13	0.0477	0.0008	0.0231	0.0004	0.0035	0.0000	23.2	0.4	22.5	0.2	1705	22526	0.08
18ZX11-6 14	0.0481	0.0022	0.0219	0.0010	0.0033	0.0000	22.0	1.0	21.3	0.2	3146	28710	0.11
18ZX11-6 15	0.0476	0.0008	0.0225	0.0004	0.0034	0.0000	22.6	0.3	22.0	0.2	2573	32536	0.08
18ZX11-6 16	0.0605	0.0189	0.0257	0.0080	0.0031	0.0001	26.0	8.0	19.8	0.6	4206	14056	0.30
18ZX11-6 17	0.0467	0.0018	0.0475	0.0019	0.0074	0.0001	47.0	2.0	47.4	0.6	1487	1632	0.91
18ZX11-6 18	0.0496	0.0031	0.0496	0.0029	0.0073	0.0001	49.0	3.0	47.2	0.9	314	331	0.95
18ZX12-1 01	0.0344	0.0087	0.0186	0.0035	0.0043	0.0002	19.0	4.0	27.0	1.0	41	49	0.83
18ZX12-1 02	0.0449	0.0086	0.0262	0.0052	0.0044	0.0002	26.0	5.0	28.0	1.0	151	459	0.33
18ZX12-1 03	0.0515	0.0023	0.0738	0.0029	0.0105	0.0002	72.0	3.0	68.0	1.0	267	692	0.39
18ZX12-1 04	0.0548	0.0024	0.0333	0.0015	0.0044	0.0001	33.0	2.0	28.1	0.3	346	1445	0.24
18ZX12-1 05	0.0509	0.0029	0.0581	0.0029	0.0085	0.0002	57.0	3.0	54.4	1.0	243	401	0.60
18ZX12-1 06	0.1156	0.0219	0.1370	0.0255	0.0086	0.0003	130.0	23.0	55.0	2.0	868	940	0.92
18ZX12-1 07	0.0451	0.0020	0.0278	0.0012	0.0046	0.0001	28.0	1.0	29.3	0.5	555	1884	0.29

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX12-1 08	0.0461	0.0139	0.0273	0.0081	0.0043	0.0003	27.0	8.0	28.0	2.0	300	510	0.59
18ZX12-1 09	0.0487	0.0022	0.0281	0.0013	0.0042	0.0001	28.0	1.0	27.1	0.4	1359	1924	0.71
18ZX12-1 10	0.0495	0.0028	0.0538	0.0027	0.0081	0.0001	53.0	3.0	52.2	0.9	217	451	0.48
18ZX12-1 11	0.0498	0.0019	0.0279	0.0011	0.0041	0.0001	28.0	1.0	26.1	0.4	547	1625	0.34
18ZX12-1 12	0.0461	0.0014	0.0597	0.0016	0.0094	0.0001	59.0	2.0	60.3	0.9	204	387	0.53
18ZX12-1 13	0.0459	0.0014	0.0236	0.0008	0.0037	0.0000	23.7	0.8	23.9	0.3	1014	2449	0.41
18ZX12-1 14	0.0461	0.0052	0.0505	0.0056	0.0080	0.0002	50.0	5.0	51.0	1.0	396	697	0.57
18ZX12-1 15	0.0461	0.0010	0.0244	0.0005	0.0038	0.0000	24.4	0.5	24.7	0.2	2042	3681	0.55
18ZX12-1 16	0.0479	0.0013	0.0265	0.0007	0.0040	0.0000	26.6	0.7	25.7	0.3	900	4262	0.21
18ZX12-1 17	0.0450	0.0024	0.0240	0.0013	0.0039	0.0000	24.0	1.0	25.0	0.3	665	2039	0.33
18ZX12-1 18	0.0488	0.0018	0.0546	0.0019	0.0082	0.0001	54.0	2.0	52.3	0.6	409	859	0.48
18ZX12-1 19	0.0481	0.0025	0.0524	0.0027	0.0079	0.0001	52.0	3.0	50.7	0.6	1023	1293	0.79
18ZX12-1 20	0.0455	0.0012	0.0229	0.0006	0.0036	0.0000	23.0	0.6	23.4	0.2	1474	4943	0.30
18ZX12-1 21	0.0466	0.0016	0.0284	0.0010	0.0044	0.0001	28.4	1.0	28.5	0.4	470	1998	0.24
18ZX12-1 22	0.0528	0.0030	0.1835	0.0088	0.0257	0.0004	171.0	8.0	163.0	3.0	77	90	0.86
18ZX12-1 23	0.0461	0.0071	0.0222	0.0034	0.0035	0.0001	22.0	3.0	22.5	0.5	86	3434	0.03
18ZX12-1 24	0.0500	0.0022	0.1903	0.0085	0.0275	0.0003	177.0	7.0	175.0	2.0	268	252	1.07
18ZX12-1 25	0.0454	0.0013	0.0265	0.0008	0.0042	0.0000	26.5	0.7	27.1	0.3	2056	2570	0.80
18ZX12-1 26	0.0497	0.0015	0.0256	0.0008	0.0037	0.0001	25.6	0.8	24.0	0.3	888	2436	0.36
18ZX12-1 27	0.0488	0.0043	0.0285	0.0022	0.0043	0.0001	29.0	2.0	27.9	0.6	195	275	0.71
18ZX12-1 28	0.0472	0.0015	0.0254	0.0008	0.0039	0.0001	25.5	0.8	25.1	0.4	2241	3589	0.62
18ZX12-1 29	0.0461	0.0017	0.0418	0.0015	0.0066	0.0001	42.0	1.0	42.3	0.5	233	4335	0.05
18ZX12-1 30	0.0471	0.0021	0.0269	0.0011	0.0042	0.0001	27.0	1.0	26.9	0.4	268	1222	0.22
18ZX12-1 31	0.0497	0.0015	0.0366	0.0013	0.0053	0.0001	36.0	1.0	34.0	0.5	1708	1922	0.89

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX12-1 32	0.0453	0.0031	0.0273	0.0017	0.0045	0.0001	27.0	2.0	28.8	0.6	451	489	0.92
18ZX12-1 33	0.0497	0.0018	0.0281	0.0010	0.0041	0.0001	28.1	1.0	26.4	0.3	419	1381	0.30
18ZX12-1 34	0.0487	0.0017	0.1275	0.0057	0.0187	0.0004	122.0	5.0	119.0	3.0	291	461	0.63
18ZX12-1 35	0.0449	0.0020	0.0261	0.0011	0.0042	0.0001	26.0	1.0	27.3	0.4	158	1143	0.14
18ZX12-1 36	0.0520	0.0027	0.0702	0.0035	0.0098	0.0001	69.0	3.0	62.8	0.8	248	573	0.43
18ZX14-1 01	0.0476	0.0021	0.0298	0.0013	0.0046	0.0001	30.0	1.0	29.6	0.5	150	748	0.20
18ZX14-1 02	0.0554	0.0056	0.0305	0.0027	0.0043	0.0001	31.0	3.0	27.5	0.7	176	135	1.31
18ZX14-1 03	0.0450	0.0012	0.0252	0.0007	0.0041	0.0000	25.2	0.7	26.1	0.2	1039	2045	0.51
18ZX14-1 04	0.0578	0.0090	0.0312	0.0032	0.0049	0.0003	31.0	3.0	31.0	2.0	72	70	1.02
18ZX14-1 05	0.0476	0.0019	0.0300	0.0013	0.0046	0.0001	30.0	1.0	29.3	0.4	823	679	1.21
18ZX14-1 06	0.0481	0.0022	0.0272	0.0012	0.0041	0.0001	27.0	1.0	26.6	0.4	49	562	0.09
18ZX14-1 07	0.0462	0.0014	0.0253	0.0008	0.0040	0.0000	25.4	0.7	25.6	0.3	810	1775	0.46
18ZX14-1 08	0.0470	0.0010	0.0249	0.0005	0.0038	0.0000	24.9	0.5	24.7	0.2	1134	4905	0.23
18ZX14-1 09	0.0486	0.0014	0.0304	0.0008	0.0045	0.0000	30.4	0.8	29.1	0.3	946	1737	0.54
18ZX14-1 10	0.0490	0.0021	0.0281	0.0012	0.0042	0.0001	28.0	1.0	27.0	0.3	69	665	0.10
18ZX14-1 11	0.0468	0.0024	0.0269	0.0014	0.0042	0.0001	27.0	1.0	26.8	0.3	352	855	0.41
18ZX14-1 12	0.0555	0.0015	0.0552	0.0015	0.0072	0.0001	55.0	1.0	46.2	0.4	388	1287	0.30
18ZX14-1 13	0.0461	0.0015	0.0271	0.0008	0.0043	0.0000	27.2	0.8	27.5	0.2	232	837	0.28
18ZX14-1 14	0.0467	0.0017	0.0262	0.0010	0.0041	0.0000	26.3	0.9	26.2	0.3	184	959	0.19
18ZX14-1 15	0.0480	0.0017	0.0266	0.0009	0.0041	0.0000	26.7	0.9	26.1	0.2	552	1374	0.40
18ZX14-1 16	0.0471	0.0012	0.0244	0.0006	0.0038	0.0000	24.5	0.6	24.1	0.2	643	2179	0.30
18ZX14-1 17	0.0461	0.0025	0.0262	0.0014	0.0041	0.0001	26.0	1.0	26.6	0.3	52	669	0.08
18ZX14-1 18	0.0531	0.0018	0.0780	0.0026	0.0107	0.0001	76.0	2.0	68.8	0.7	503	457	1.10

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX14-1 19	0.0461	0.0014	0.0630	0.0019	0.0100	0.0001	62.0	2.0	64.0	0.7	419	603	0.70
18ZX14-1 20	0.0509	0.0015	0.0269	0.0008	0.0038	0.0000	27.0	0.8	24.7	0.2	872	1831	0.48
18ZX14-1 21	0.0473	0.0019	0.0275	0.0010	0.0042	0.0001	28.0	1.0	27.1	0.3	61	611	0.10
18ZX14-1 22	0.0461	0.0013	0.0246	0.0007	0.0039	0.0000	24.7	0.7	25.0	0.2	744	1853	0.40
18ZX14-1 23	0.0472	0.0019	0.0255	0.0010	0.0039	0.0000	25.5	1.0	25.2	0.2	367	1677	0.22
18ZX14-1 24	0.0512	0.0018	0.0286	0.0009	0.0041	0.0000	28.6	0.9	26.3	0.3	264	1116	0.24
18ZX14-1 25	0.0461	0.0011	0.0251	0.0005	0.0040	0.0000	25.2	0.5	25.4	0.3	150	930	0.16
18ZX14-1 26	0.0458	0.0016	0.0250	0.0008	0.0040	0.0001	25.0	0.8	25.6	0.3	217	924	0.24
18ZX14-1 27	0.0482	0.0025	0.0275	0.0014	0.0042	0.0001	28.0	1.0	26.8	0.4	49	555	0.09
18ZX15-1 01	0.0568	0.0021	0.1704	0.0063	0.0221	0.0005	160.0	5.0	141.0	3.0	123	183	0.67
18ZX15-1 02	0.0469	0.0020	0.0275	0.0012	0.0043	0.0001	28.0	1.0	27.5	0.4	647	711	0.91
18ZX15-1 03	0.0465	0.0010	0.0313	0.0007	0.0049	0.0001	31.3	0.7	31.4	0.4	1117	2875	0.39
18ZX15-1 04	0.0470	0.0020	0.0281	0.0011	0.0044	0.0001	28.0	1.0	28.2	0.3	954	808	1.18
18ZX15-1 05	0.0538	0.0027	0.0301	0.0014	0.0041	0.0001	30.0	1.0	26.1	0.3	1422	568	2.50
18ZX15-1 06	0.0484	0.0026	0.0447	0.0023	0.0068	0.0001	44.0	2.0	44.0	0.9	176	255	0.69
18ZX15-1 07	0.0471	0.0023	0.0290	0.0013	0.0046	0.0001	29.0	1.0	29.4	0.5	186	419	0.44
18ZX15-1 08	0.0480	0.0012	0.0362	0.0009	0.0055	0.0001	36.1	0.9	35.3	0.3	536	1341	0.40
18ZX15-1 09	0.0470	0.0009	0.0368	0.0007	0.0057	0.0000	36.7	0.7	36.4	0.3	210	4082	0.05
18ZX15-1 10	0.0471	0.0012	0.0273	0.0006	0.0042	0.0000	27.3	0.6	27.1	0.2	227	2525	0.09
18ZX15-1 11	0.0499	0.0070	0.0293	0.0031	0.0045	0.0002	29.0	3.0	29.0	1.0	96	61	1.58
18ZX15-1 12	0.0520	0.0018	0.1812	0.0064	0.0254	0.0004	169.0	5.0	161.0	2.0	157	202	0.78
18ZX15-1 13	0.0511	0.0021	0.0542	0.0021	0.0077	0.0001	54.0	2.0	49.5	0.6	408	404	1.01
18ZX15-1 14	0.0495	0.0018	0.0519	0.0018	0.0076	0.0001	51.0	2.0	49.0	0.5	384	705	0.55

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX15-1 15	0.0461	0.0030	0.0679	0.0043	0.0107	0.0002	67.0	4.0	68.6	0.9	237	228	1.04
18ZX15-1 16	0.0510	0.0034	0.0307	0.0019	0.0044	0.0001	31.0	2.0	28.1	0.5	263	253	1.04
18ZX15-1 17	0.0461	0.0037	0.0486	0.0038	0.0077	0.0001	48.0	4.0	49.2	0.6	276	300	0.92
18ZX15-1 18	0.0491	0.0022	0.0515	0.0021	0.0077	0.0001	51.0	2.0	49.4	0.6	344	346	0.99
18ZX15-1 19	0.0473	0.0017	0.0450	0.0015	0.0069	0.0001	45.0	1.0	44.4	0.5	152	1000	0.15
18ZX15-1 20	0.0510	0.0017	0.0572	0.0018	0.0082	0.0001	57.0	2.0	52.4	0.5	293	625	0.47
18ZX15-1 21	0.0551	0.0066	0.0368	0.0034	0.0051	0.0001	37.0	3.0	32.7	0.9	120	95	1.26
18ZX15-1 22	0.0461	0.0019	0.0528	0.0021	0.0083	0.0001	52.0	2.0	53.4	0.7	559	475	1.18
18ZX15-1 23	0.0461	0.0008	0.0234	0.0004	0.0037	0.0000	23.5	0.4	23.7	0.2	491	2831	0.17
18ZX15-1 24	0.0487	0.0021	0.0455	0.0029	0.0067	0.0002	45.0	3.0	43.0	2.0	391	1070	0.36
18ZX15-1 25	0.0485	0.0025	0.0541	0.0028	0.0082	0.0002	54.0	3.0	52.4	0.9	359	340	1.06
18ZX15-1 26	0.0475	0.0020	0.0705	0.0029	0.0108	0.0002	69.0	3.0	70.0	1.0	187	364	0.51
18ZX15-1 27	0.0461	0.0049	0.0665	0.0070	0.0105	0.0002	65.0	7.0	67.0	1.0	171	269	0.64
18ZX17-1 01	0.0562	0.0047	0.0596	0.0040	0.0083	0.0002	59.0	4.0	53.0	1.0	23	101	0.22
18ZX17-1 02	0.0477	0.0012	0.0283	0.0007	0.0043	0.0001	28.3	0.7	27.7	0.3	223	2587	0.09
18ZX17-1 03	0.0996	0.0231	0.0403	0.0059	0.0042	0.0002	40.0	6.0	27.0	1.0	15	28	0.54
18ZX17-1 04	0.0511	0.0021	0.0530	0.0022	0.0076	0.0001	52.0	2.0	49.0	0.8	106	376	0.28
18ZX17-1 05	0.0487	0.0021	0.0593	0.0025	0.0089	0.0001	59.0	2.0	56.9	0.8	60	422	0.14
18ZX17-1 06	0.0502	0.0026	0.0319	0.0018	0.0046	0.0001	32.0	2.0	29.8	0.6	16	749	0.02
18ZX17-1 07	0.0609	0.0059	0.0352	0.0023	0.0046	0.0001	35.0	2.0	29.5	0.7	118	134	0.88
18ZX17-1 08	0.0515	0.0031	0.0406	0.0023	0.0059	0.0001	40.0	2.0	37.9	0.6	153	311	0.49
18ZX17-1 09	0.0461	0.1092	0.0281	0.0663	0.0044	0.0010	28.0	65.0	28.0	6.0	12	40	0.30
18ZX17-1 10	0.0570	0.0115	0.0336	0.0092	0.0040	0.0002	34.0	9.0	26.0	2.0	12	28	0.44

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX17-1 11	0.0461	0.0015	0.0280	0.0009	0.0044	0.0000	28.1	0.9	28.4	0.3	56	1794	0.03
18ZX17-1 12	0.0647	0.0115	0.0327	0.0030	0.0051	0.0003	33.0	3.0	32.0	2.0	10	41	0.23
18ZX17-1 13	0.0495	0.0043	0.0282	0.0025	0.0041	0.0000	28.0	2.0	26.6	0.3	31	2037	0.01
18ZX17-1 14	0.0543	0.0085	0.0318	0.0035	0.0047	0.0002	32.0	3.0	30.0	1.0	28	64	0.44
18ZX17-1 15	0.0589	0.0118	0.0319	0.0051	0.0046	0.0002	32.0	5.0	30.0	1.0	12	29	0.40
18ZX17-1 16	0.0477	0.0056	0.0541	0.0063	0.0082	0.0002	54.0	6.0	53.0	1.0	30	108	0.28
18ZX17-1 17	0.0510	0.0034	0.0295	0.0018	0.0044	0.0001	30.0	2.0	28.3	0.6	48	267	0.18
18ZX17-1 18	0.0489	0.0016	0.0290	0.0009	0.0043	0.0001	29.0	0.9	27.8	0.3	24	1363	0.02
18ZX17-1 19	0.0851	0.0227	0.0520	0.0136	0.0044	0.0002	51.0	13.0	28.0	1.0	54	87	0.63
18ZX17-1 20	0.0552	0.0075	0.0299	0.0033	0.0043	0.0001	30.0	3.0	27.5	0.8	18	86	0.21
18ZX17-1 21	0.0463	0.0020	0.0479	0.0020	0.0075	0.0001	48.0	2.0	48.4	0.7	23	475	0.05
18ZX17-1 22	0.0481	0.0011	0.0274	0.0006	0.0041	0.0000	27.4	0.6	26.5	0.2	84	3786	0.02
18ZX17-1 23	0.0510	0.0032	0.0550	0.0033	0.0080	0.0001	54.0	3.0	51.4	0.8	32	200	0.16
18ZX17-1 24	0.0764	0.0011	1.6971	0.0267	0.1607	0.0013	1007.0	10.0	961.0	7.0	31	226	0.14
18ZX17-1 25	0.0461	0.0039	0.0276	0.0023	0.0043	0.0001	28.0	2.0	27.9	0.4	39	1602	0.02
18ZX17-1 26	0.0474	0.0010	0.0323	0.0007	0.0049	0.0001	32.2	0.7	31.7	0.3	24	3035	0.01
18ZX17-1 27	0.0455	0.0037	0.0385	0.0034	0.0065	0.0002	38.0	3.0	42.0	2.0	15	415	0.04
18ZX18-3 01	0.0538	0.0030	0.0612	0.0031	0.0084	0.0002	60.0	3.0	54.1	0.9	246	495	0.50
18ZX18-3 02	0.0457	0.0011	0.0509	0.0013	0.0081	0.0001	50.0	1.0	51.7	0.6	728	2750	0.26
18ZX18-3 03	0.0466	0.0010	0.0256	0.0006	0.0040	0.0000	25.7	0.5	25.6	0.2	1012	7208	0.14
18ZX18-3 04	0.0461	0.0025	0.0514	0.0027	0.0081	0.0001	51.0	3.0	52.0	0.8	973	1057	0.92
18ZX18-3 05	0.0459	0.0033	0.0628	0.0038	0.0101	0.0002	62.0	4.0	65.0	1.0	189	332	0.57
18ZX18-3 06	0.0469	0.0015	0.0256	0.0008	0.0040	0.0000	25.7	0.8	25.5	0.3	88	2275	0.04

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX18-3 07	0.0504	0.0049	0.0624	0.0047	0.0094	0.0002	61.0	4.0	60.0	1.0	114	271	0.42
18ZX18-3 08	0.0493	0.0016	0.0265	0.0008	0.0039	0.0000	26.6	0.8	25.1	0.3	1868	8912	0.21
18ZX18-3 09	0.0562	0.0074	0.0275	0.0027	0.0041	0.0001	28.0	3.0	26.6	0.9	102	305	0.33
18ZX18-3 10	0.0466	0.0013	0.0277	0.0008	0.0043	0.0001	27.7	0.7	27.8	0.3	692	5199	0.13
18ZX18-3 11	0.0448	0.0045	0.0579	0.0036	0.0100	0.0003	57.0	3.0	64.0	2.0	86	178	0.48
18ZX18-3 12	0.0482	0.0010	0.0335	0.0009	0.0050	0.0001	33.4	0.9	32.3	0.6	2826	10399	0.27
18ZX18-3 13	0.0451	0.0020	0.0586	0.0024	0.0095	0.0001	58.0	2.0	61.2	0.8	905	810	1.12
18ZX18-3 14	0.0449	0.0010	0.0258	0.0006	0.0042	0.0000	25.9	0.6	26.7	0.2	1350	7776	0.17
18ZX18-3 15	0.0478	0.0040	0.0582	0.0037	0.0093	0.0002	57.0	4.0	59.0	1.0	151	198	0.77
18ZX18-3 16	0.0499	0.0035	0.0666	0.0037	0.0099	0.0002	65.0	3.0	63.0	1.0	122	192	0.63
18ZX18-3 17	0.0487	0.0017	0.0319	0.0011	0.0048	0.0001	32.0	1.0	30.6	0.4	1481	1940	0.76
18ZX18-3 18	0.0431	0.0025	0.0432	0.0023	0.0074	0.0001	43.0	2.0	47.6	0.9	522	566	0.92
18ZX18-3 19	0.0479	0.0029	0.0311	0.0017	0.0048	0.0001	31.0	2.0	31.0	0.6	373	695	0.54
18ZX18-3 20	0.0641	0.0022	0.8023	0.0236	0.0908	0.0015	598.0	13.0	560.0	9.0	138	575	0.24
18ZX18-3 21	0.0474	0.0013	0.0552	0.0014	0.0084	0.0001	55.0	1.0	54.2	0.4	142	4763	0.03
18ZX18-3 22	0.0468	0.0020	0.0506	0.0021	0.0079	0.0001	50.0	2.0	50.5	0.6	527	810	0.65
18ZX18-3 23	0.0540	0.0013	0.0311	0.0007	0.0041	0.0000	31.1	0.7	26.4	0.2	4728	15701	0.30
18ZX18-3 24	0.0513	0.0017	0.0329	0.0010	0.0047	0.0001	32.9	1.0	29.9	0.3	1263	13742	0.09
18ZX18-3 25	0.0481	0.0010	0.0285	0.0007	0.0043	0.0000	28.5	0.6	27.5	0.3	792	5011	0.16
18ZX18-3 26	0.0525	0.0027	0.0577	0.0026	0.0082	0.0001	57.0	2.0	52.6	0.8	339	571	0.59
18ZX18-3 27	0.0484	0.0014	0.0265	0.0007	0.0040	0.0000	26.6	0.7	25.6	0.3	393	4389	0.09
18ZX22-5 01	0.0450	0.0009	0.0266	0.0005	0.0043	0.0000	26.7	0.5	27.5	0.2	2122	5423	0.39
18ZX22-5 02	0.0450	0.0011	0.0259	0.0006	0.0042	0.0000	25.9	0.6	26.9	0.2	1028	3284	0.31

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX22-5 03	0.0461	0.0018	0.0276	0.0010	0.0043	0.0001	27.6	1.0	27.9	0.3	794	1882	0.42
18ZX22-5 04	0.0448	0.0009	0.0270	0.0006	0.0044	0.0000	27.0	0.6	28.0	0.2	3298	3592	0.92
18ZX22-5 05	0.0461	0.0008	0.0266	0.0005	0.0042	0.0000	26.6	0.5	26.8	0.2	2806	5310	0.53
18ZX22-5 06	0.0457	0.0008	0.0257	0.0005	0.0041	0.0000	25.8	0.4	26.3	0.2	3232	5819	0.56
18ZX22-5 07	0.0448	0.0007	0.0261	0.0005	0.0042	0.0000	26.2	0.4	27.1	0.2	2933	4601	0.64
18ZX22-5 08	0.0473	0.0013	0.0281	0.0008	0.0043	0.0000	28.1	0.8	27.7	0.2	682	2772	0.25
18ZX22-5 09	0.0441	0.0010	0.0253	0.0006	0.0042	0.0000	25.4	0.6	26.8	0.2	1552	3025	0.51
18ZX22-5 10	0.0478	0.0014	0.0290	0.0009	0.0044	0.0000	29.1	0.8	28.3	0.3	772	2006	0.38
18ZX22-5 11	0.0481	0.0019	0.0297	0.0011	0.0045	0.0001	30.0	1.0	29.2	0.3	185	950	0.19
18ZX22-5 12	0.0449	0.0012	0.0259	0.0006	0.0042	0.0000	26.0	0.6	27.1	0.2	634	2577	0.25
18ZX22-5 13	0.0458	0.0013	0.0272	0.0007	0.0043	0.0000	27.3	0.7	27.8	0.3	1362	2030	0.67
18ZX22-5 14	0.0437	0.0009	0.0257	0.0005	0.0043	0.0000	25.7	0.5	27.4	0.2	1447	3374	0.43
18ZX22-5 15	0.0465	0.0013	0.0414	0.0011	0.0065	0.0001	41.0	1.0	41.7	0.4	267	1226	0.22
18ZX22-5 16	0.0462	0.0008	0.0269	0.0004	0.0042	0.0000	26.9	0.4	27.1	0.2	2263	5028	0.45
18ZX22-5 17	0.0493	0.0029	0.0307	0.0018	0.0045	0.0000	31.0	2.0	29.0	0.2	1378	5018	0.27
18ZX22-5 18	0.0456	0.0009	0.0271	0.0005	0.0043	0.0000	27.1	0.5	27.7	0.2	1631	4435	0.37
18ZX22-6 01	0.0489	0.0014	0.0404	0.0011	0.0060	0.0001	40.0	1.0	38.4	0.3	1101	1744	0.63
18ZX22-6 02	0.0460	0.0014	0.0321	0.0010	0.0050	0.0000	32.0	0.9	32.3	0.3	1164	2571	0.45
18ZX22-6 03	0.0490	0.0048	0.0531	0.0057	0.0077	0.0001	52.0	6.0	49.5	0.5	309	897	0.34
18ZX22-6 04	0.0439	0.0016	0.0290	0.0011	0.0048	0.0000	29.0	1.0	30.6	0.3	1549	4073	0.38
18ZX22-6 05	0.0478	0.0024	0.0444	0.0022	0.0067	0.0001	44.0	2.0	42.8	0.3	528	2196	0.24
18ZX22-6 06	0.0419	0.0025	0.0440	0.0025	0.0076	0.0001	44.0	2.0	49.0	0.6	200	444	0.45
18ZX22-6 07	0.0454	0.0025	0.0315	0.0017	0.0050	0.0000	31.0	2.0	31.8	0.2	2385	3939	0.61

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX22-6 08	0.0431	0.0026	0.0267	0.0015	0.0044	0.0000	27.0	2.0	28.5	0.2	2678	7206	0.37
18ZX22-6 09	0.0414	0.0028	0.0289	0.0019	0.0050	0.0000	29.0	2.0	32.0	0.3	301	3421	0.09
18ZX22-6 10	0.0432	0.0026	0.0295	0.0017	0.0049	0.0000	30.0	2.0	31.5	0.3	515	3491	0.15
18ZX22-6 11	0.0435	0.0023	0.0394	0.0020	0.0065	0.0001	39.0	2.0	41.6	0.4	3646	4613	0.79
18ZX22-6 12	0.0463	0.0023	0.0236	0.0012	0.0037	0.0000	24.0	1.0	23.8	0.1	1925	24973	0.08
18ZX22-6 13	0.0760	0.0029	1.7148	0.0639	0.1617	0.0016	1014.0	24.0	966.0	9.0	84	892	0.09
18ZX22-6 14	0.0471	0.0021	0.0492	0.0021	0.0076	0.0001	49.0	2.0	48.7	0.5	328	675	0.49
18ZX22-6 15	0.0503	0.0035	0.0306	0.0020	0.0045	0.0001	31.0	2.0	29.0	0.5	88	245	0.36
18ZX22-6 16	0.0486	0.0016	0.0443	0.0015	0.0066	0.0001	44.0	1.0	42.3	0.5	614	1318	0.47
18ZX22-6 17	0.0472	0.0013	0.0445	0.0012	0.0068	0.0001	44.0	1.0	43.6	0.4	238	1068	0.22
18ZX22-6 18	0.0450	0.0019	0.0301	0.0012	0.0049	0.0001	30.0	1.0	31.5	0.4	328	679	0.48
18ZX23-1 01	0.0583	0.0047	0.0361	0.0025	0.0046	0.0001	36.0	2.0	29.9	0.6	223	167	1.33
18ZX23-1 02	0.0506	0.0038	0.0317	0.0020	0.0047	0.0001	32.0	2.0	30.4	0.7	198	265	0.75
18ZX23-1 03	0.0479	0.0035	0.0302	0.0018	0.0048	0.0001	30.0	2.0	30.7	0.5	234	354	0.66
18ZX23-1 04	0.0457	0.0039	0.0286	0.0019	0.0047	0.0001	29.0	2.0	30.3	0.6	215	261	0.82
18ZX23-1 05	0.0467	0.0030	0.0292	0.0017	0.0047	0.0001	29.0	2.0	30.0	0.6	246	336	0.73
18ZX23-1 06	0.0461	0.0022	0.0287	0.0013	0.0045	0.0001	29.0	1.0	29.0	0.4	555	558	0.99
18ZX23-1 07	0.0432	0.0031	0.0266	0.0016	0.0047	0.0001	27.0	2.0	29.9	0.6	242	289	0.84
18ZX23-1 08	0.0525	0.0043	0.0302	0.0020	0.0045	0.0001	30.0	2.0	28.6	0.8	162	176	0.92
18ZX23-1 09	0.0481	0.0033	0.0298	0.0018	0.0046	0.0001	30.0	2.0	29.3	0.5	229	319	0.72
18ZX23-1 10	0.0448	0.0034	0.0284	0.0019	0.0047	0.0001	28.0	2.0	30.3	0.6	211	282	0.75
18ZX23-1 11	0.0520	0.0033	0.0575	0.0033	0.0082	0.0001	57.0	3.0	52.7	0.9	181	251	0.72
18ZX23-1 12	0.0527	0.0055	0.0322	0.0027	0.0047	0.0001	32.0	3.0	30.5	0.9	83	106	0.79

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX23-1 13	0.0463	0.0028	0.0285	0.0015	0.0046	0.0001	29.0	1.0	29.8	0.5	430	517	0.83
18ZX23-1 14	0.0533	0.0038	0.0321	0.0018	0.0047	0.0001	32.0	2.0	30.1	0.6	234	285	0.82
18ZX23-1 15	0.0481	0.0032	0.0309	0.0019	0.0047	0.0001	31.0	2.0	30.2	0.5	280	351	0.80
18ZX23-1 16	0.0478	0.0037	0.0308	0.0021	0.0047	0.0001	31.0	2.0	29.9	0.6	170	254	0.67
18ZX23-1 17	0.0496	0.0026	0.0319	0.0016	0.0047	0.0001	32.0	2.0	30.4	0.5	437	532	0.82
18ZX23-1 18	0.0461	0.0015	0.0293	0.0009	0.0046	0.0001	29.3	0.9	29.7	0.4	425	468	0.91
18ZX23-2 01	0.0479	0.0018	0.0656	0.0024	0.0100	0.0001	65.0	2.0	64.3	0.8	177	441	0.40
18ZX23-2 02	0.0875	0.0026	2.8879	0.0801	0.2394	0.0026	1379.0	21.0	1383.0	14.0	62	111	0.56
18ZX23-2 03	0.0756	0.0012	1.3797	0.0224	0.1321	0.0010	880.0	10.0	800.0	6.0	125	144	0.87
18ZX23-2 04	0.1064	0.0024	4.2026	0.0795	0.2865	0.0036	1675.0	16.0	1624.0	18.0	113	324	0.35
18ZX23-2 05	0.0470	0.0012	0.0256	0.0006	0.0040	0.0000	25.7	0.6	25.5	0.2	845	4386	0.19
18ZX23-2 06	0.0541	0.0028	0.0341	0.0018	0.0046	0.0001	34.0	2.0	29.4	0.4	413	474	0.87
18ZX23-2 07	0.0507	0.0030	0.0285	0.0017	0.0041	0.0000	29.0	2.0	26.2	0.3	2059	3524	0.58
18ZX23-2 08	0.0481	0.0009	0.0455	0.0009	0.0069	0.0001	45.1	0.8	44.0	0.5	1879	5123	0.37
18ZX23-2 09	0.0503	0.0017	0.0862	0.0030	0.0125	0.0002	84.0	3.0	80.0	1.0	151	373	0.40
18ZX23-2 10	0.0513	0.0013	0.0282	0.0007	0.0040	0.0000	28.2	0.7	25.4	0.2	762	6894	0.11
18ZX23-2 11	0.0569	0.0014	0.6096	0.0188	0.0780	0.0017	483.0	12.0	484.0	10.0	42	132	0.32
18ZX23-2 12	0.0466	0.0008	0.0421	0.0007	0.0066	0.0001	41.8	0.7	42.1	0.3	911	4356	0.21
18ZX23-2 13	0.0470	0.0009	0.0260	0.0005	0.0040	0.0000	26.1	0.5	25.8	0.2	535	4721	0.11
18ZX23-2 14	0.0462	0.0007	0.0288	0.0004	0.0045	0.0000	28.8	0.4	29.0	0.2	283	8699	0.03
18ZX23-2 15	0.0462	0.0051	0.0282	0.0031	0.0044	0.0001	28.0	3.0	28.5	0.3	676	600	1.13
18ZX23-2 16	0.0488	0.0018	0.0486	0.0017	0.0073	0.0001	48.0	2.0	46.8	0.5	51	552	0.09
18ZX23-2 17	0.0757	0.0011	1.9205	0.0317	0.1838	0.0019	1088.0	11.0	1088.0	10.0	151	168	0.90

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX23-2 18	0.0469	0.0020	0.0511	0.0020	0.0080	0.0001	51.0	2.0	51.6	0.7	262	335	0.78
18ZX23-2 19	0.0461	0.0018	0.0450	0.0016	0.0071	0.0001	45.0	2.0	45.5	0.5	336	375	0.90
18ZX23-2 20	0.0430	0.0014	0.0239	0.0008	0.0040	0.0000	23.9	0.8	25.9	0.3	456	1154	0.40
18ZX23-2 21	0.0468	0.0012	0.0338	0.0006	0.0053	0.0000	33.8	0.6	33.7	0.2	604	4460	0.14
18ZX23-2 22	0.0461	0.0012	0.0353	0.0010	0.0056	0.0001	35.2	1.0	35.7	0.5	354	1438	0.25
18ZX23-2 23	0.0458	0.0010	0.0260	0.0006	0.0041	0.0000	26.1	0.6	26.5	0.2	382	3225	0.12
18ZX23-2 24	0.0491	0.0012	0.0647	0.0021	0.0095	0.0002	64.0	2.0	61.0	1.0	182	1209	0.15
18ZX25-1 01	0.0494	0.0127	0.0311	0.0079	0.0046	0.0001	31.0	8.0	29.4	0.7	228	211	1.08
18ZX25-1 02	0.0516	0.0079	0.0332	0.0050	0.0047	0.0001	33.0	5.0	30.0	0.9	140	151	0.93
18ZX25-1 03	0.0521	0.0059	0.0324	0.0028	0.0047	0.0001	32.0	3.0	30.1	0.8	118	148	0.80
18ZX25-1 04	0.0485	0.0033	0.0294	0.0017	0.0046	0.0001	29.0	2.0	29.5	0.5	324	426	0.76
18ZX25-1 05	0.0574	0.0057	0.0319	0.0024	0.0045	0.0001	32.0	2.0	29.2	0.8	137	146	0.94
18ZX25-1 06	0.0448	0.0040	0.0296	0.0023	0.0049	0.0001	30.0	2.0	31.6	0.7	188	269	0.70
18ZX25-1 07	0.0489	0.0081	0.0269	0.0026	0.0048	0.0002	27.0	3.0	30.5	1.0	100	112	0.89
18ZX25-1 08	0.0641	0.0074	0.0346	0.0027	0.0044	0.0001	35.0	3.0	28.6	0.9	92	105	0.88
18ZX25-1 09	0.0521	0.0059	0.0306	0.0027	0.0046	0.0001	31.0	3.0	29.6	0.8	183	216	0.85
18ZX25-1 10	0.0506	0.0029	0.0317	0.0017	0.0046	0.0001	32.0	2.0	29.6	0.5	200	374	0.54
18ZX25-1 11	0.0469	0.0059	0.0287	0.0033	0.0047	0.0001	29.0	3.0	30.0	0.8	121	144	0.84
18ZX25-1 12	0.0580	0.0020	0.1020	0.0042	0.0121	0.0003	99.0	4.0	78.0	2.0	246	441	0.56
18ZX25-1 13	0.0476	0.0025	0.0302	0.0015	0.0046	0.0001	30.0	1.0	29.8	0.4	311	564	0.55
18ZX25-1 14	0.0493	0.0040	0.0294	0.0018	0.0047	0.0001	29.0	2.0	30.0	0.6	279	361	0.77
18ZX25-1 15	0.0544	0.0054	0.0323	0.0021	0.0048	0.0001	32.0	2.0	30.6	0.8	180	182	0.99
18ZX25-1 16	0.0532	0.0065	0.0305	0.0026	0.0048	0.0002	30.0	3.0	30.6	1.0	113	113	1.00

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX25-1 17	0.0589	0.0050	0.0360	0.0027	0.0047	0.0001	36.0	3.0	30.0	0.6	197	242	0.81
18ZX25-1 18	0.0461	0.0216	0.0300	0.0141	0.0047	0.0002	30.0	14.0	30.0	1.0	284	322	0.88
18ZX26-2 19	0.0491	0.0025	0.0502	0.0025	0.0074	0.0001	50.0	2.0	47.8	0.8	242	563	0.43
18ZX26-2 20	0.0802	0.0148	0.0528	0.0122	0.0044	0.0001	52.0	12.0	28.4	0.3	3064	6331	0.48
18ZX26-2 21	0.0461	0.0033	0.0831	0.0045	0.0131	0.0006	81.0	4.0	84.0	4.0	168	641	0.26
18ZX26-2 22	0.0506	0.0027	0.0347	0.0017	0.0050	0.0001	35.0	2.0	32.0	0.7	76	1578	0.05
18ZX26-2 23	0.0488	0.0019	0.0406	0.0016	0.0060	0.0001	40.0	2.0	38.7	0.5	482	787	0.61
18ZX26-2 24	0.0461	0.0008	0.0264	0.0004	0.0042	0.0000	26.4	0.4	26.7	0.3	1487	5676	0.26
18ZX26-2 25	0.0484	0.0018	0.0384	0.0015	0.0058	0.0001	38.0	1.0	36.9	0.5	327	1109	0.29
18ZX26-2 26	0.0461	0.0026	0.0271	0.0015	0.0043	0.0001	27.0	1.0	27.4	0.4	189	2878	0.07
18ZX26-2 27	0.0456	0.0011	0.0332	0.0008	0.0053	0.0001	33.2	0.8	33.7	0.3	8981	6227	1.44
18ZX26-2 28	0.0461	0.0008	0.0253	0.0004	0.0040	0.0000	25.4	0.4	25.7	0.2	3748	14663	0.26
18ZX26-2 29	0.0461	0.0031	0.0479	0.0032	0.0075	0.0001	47.0	3.0	48.4	0.7	345	774	0.45
18ZX26-2 30	0.0476	0.0014	0.0286	0.0008	0.0044	0.0001	28.6	0.8	27.9	0.3	61	3870	0.02
18ZX26-2 31	0.0470	0.0012	0.0386	0.0011	0.0060	0.0001	38.0	1.0	38.4	0.8	466	3761	0.12
18ZX26-2 32	0.0462	0.0027	0.0420	0.0023	0.0066	0.0001	42.0	2.0	42.4	0.9	363	1070	0.34
18ZX26-2 33	0.0472	0.0018	0.0279	0.0010	0.0043	0.0000	27.9	1.0	27.5	0.3	691	6242	0.11
18ZX26-2 34	0.0480	0.0011	0.0313	0.0008	0.0047	0.0000	31.3	0.7	30.2	0.3	477	6396	0.07
18ZX26-2 35	0.0478	0.0012	0.0332	0.0008	0.0050	0.0000	33.1	0.8	32.2	0.3	1502	5553	0.27
18ZX26-2 36	0.0461	0.0034	0.0450	0.0033	0.0071	0.0001	45.0	3.0	45.5	0.7	468	766	0.61
18ZX26-2 37	0.0461	0.0009	0.0290	0.0005	0.0046	0.0001	29.0	0.5	29.3	0.3	507	5515	0.09
18ZX26-2 38	0.0474	0.0028	0.0425	0.0022	0.0065	0.0002	42.0	2.0	42.0	1.0	92	1082	0.08
18ZX26-2 39	0.0464	0.0022	0.0375	0.0018	0.0059	0.0001	37.0	2.0	37.7	0.6	200	1013	0.20

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX26-2 40	0.0490	0.0028	0.0477	0.0026	0.0071	0.0001	47.0	3.0	45.4	0.7	308	1078	0.29
18ZX26-3 19	0.0477	0.0011	0.0462	0.0010	0.0070	0.0001	46.0	1.0	44.9	0.4	2133	7980	0.27
18ZX26-3 20	0.0482	0.0011	0.0477	0.0011	0.0071	0.0001	47.0	1.0	45.8	0.4	1781	7203	0.25
18ZX26-3 21	0.0483	0.0023	0.0570	0.0027	0.0086	0.0001	56.0	3.0	54.9	0.8	320	739	0.43
18ZX26-3 22	0.0489	0.0037	0.0287	0.0018	0.0043	0.0002	29.0	2.0	27.0	1.0	515	10952	0.05
18ZX26-3 23	0.0475	0.0012	0.0306	0.0007	0.0047	0.0001	30.6	0.7	30.0	0.3	200	7854	0.03
18ZX26-3 24	0.0462	0.0013	0.0295	0.0007	0.0046	0.0001	29.5	0.7	29.8	0.4	253	9055	0.03
18ZX26-3 25	0.0461	0.0018	0.0283	0.0010	0.0045	0.0001	28.0	1.0	28.6	0.3	298	8841	0.03
18ZX26-3 26	0.0461	0.0037	0.0360	0.0022	0.0057	0.0003	36.0	2.0	36.0	2.0	16	2165	0.01
18ZX26-3 27	0.0464	0.0014	0.0288	0.0008	0.0045	0.0001	28.9	0.8	29.0	0.3	209	8110	0.03
18ZX26-3 28	0.0480	0.0016	0.0314	0.0014	0.0045	0.0001	31.0	1.0	29.1	0.7	240	8109	0.03
18ZX26-3 29	0.0495	0.0038	0.0494	0.0036	0.0072	0.0002	49.0	3.0	46.0	1.0	790	1535	0.51
18ZX26-3 30	0.0493	0.0033	0.0552	0.0036	0.0081	0.0002	55.0	3.0	52.1	1.0	176	268	0.66
18ZX26-3 31	0.0466	0.0012	0.0297	0.0007	0.0046	0.0001	29.7	0.7	29.7	0.3	125	5878	0.02
18ZX26-3 32	0.0479	0.0015	0.0295	0.0008	0.0045	0.0001	29.5	0.8	28.8	0.4	67	3582	0.02
18ZX26-3 33	0.0461	0.0011	0.0264	0.0005	0.0042	0.0001	26.4	0.5	26.7	0.4	2337	16366	0.14
18ZX26-3 34	0.6460	0.0827	45.4028	24.2892	0.3654	0.1504	3896.0	531.0	2008.0	710.0	215	1359	0.16
18ZX26-3 35	0.0483	0.0019	0.0537	0.0022	0.0080	0.0001	53.0	2.0	51.5	0.7	613	781	0.78
18ZX26-3 36	0.0497	0.0044	0.0337	0.0029	0.0049	0.0001	34.0	3.0	31.6	0.6	234	4198	0.06
18ZX26-3 37	0.0461	0.0137	0.0273	0.0080	0.0043	0.0001	27.0	8.0	27.6	0.8	329	8974	0.04
18ZX26-3 38	0.0461	0.0012	0.0296	0.0007	0.0047	0.0001	29.6	0.7	29.9	0.3	117	4858	0.02
18ZX26-3 39	0.0491	0.0020	0.0534	0.0022	0.0079	0.0001	53.0	2.0	50.7	0.6	567	1219	0.47
18ZX26-3 40	0.0461	0.0009	0.0294	0.0005	0.0046	0.0001	29.4	0.5	29.8	0.3	225	6930	0.03

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX27-3 01	0.0477	0.0024	0.0295	0.0013	0.0046	0.0001	29.0	1.0	29.4	0.5	36	508	0.07
18ZX27-3 02	0.0457	0.0012	0.0215	0.0006	0.0034	0.0000	21.6	0.6	22.0	0.2	103	2561	0.04
18ZX27-3 03	0.0508	0.0021	0.0324	0.0013	0.0047	0.0001	32.0	1.0	30.0	0.4	52	688	0.08
18ZX27-3 04	0.0477	0.0015	0.0239	0.0007	0.0037	0.0001	24.0	0.7	23.7	0.4	63	1447	0.04
18ZX27-3 05	0.0461	0.0015	0.0263	0.0007	0.0041	0.0001	26.4	0.7	26.6	0.5	1662	22394	0.07
18ZX27-3 06	0.0482	0.0021	0.0312	0.0014	0.0047	0.0001	31.0	1.0	30.1	0.4	48	525	0.09
18ZX27-3 07	0.0504	0.0022	0.0311	0.0013	0.0045	0.0001	31.0	1.0	29.1	0.4	37	408	0.09
18ZX27-3 08	0.0434	0.0022	0.0274	0.0012	0.0047	0.0001	27.0	1.0	30.2	0.4	32	421	0.08
18ZX27-3 09	0.0466	0.0025	0.0293	0.0016	0.0046	0.0001	29.0	2.0	29.4	0.4	34	361	0.09
18ZX27-3 10	0.0494	0.0023	0.0312	0.0014	0.0047	0.0001	31.0	1.0	29.9	0.5	26	480	0.05
18ZX27-3 11	0.0493	0.0026	0.0316	0.0015	0.0047	0.0001	32.0	2.0	30.2	0.4	34	376	0.09
18ZX27-3 12	0.0496	0.0013	0.0254	0.0006	0.0036	0.0001	25.5	0.6	22.9	0.3	161	4691	0.03
18ZX27-3 13	0.0484	0.0013	0.0245	0.0007	0.0037	0.0000	24.6	0.6	23.7	0.3	38	1402	0.03
18ZX27-3 14	0.0461	0.0006	0.0224	0.0002	0.0035	0.0000	22.5	0.2	22.7	0.2	152	6038	0.03
18ZX27-3 15	0.0461	0.0020	0.0287	0.0012	0.0046	0.0001	29.0	1.0	29.6	0.4	36	477	0.08
18ZX27-3 16	0.0488	0.0012	0.0224	0.0005	0.0033	0.0000	22.5	0.5	21.4	0.2	74	2707	0.03
18ZX27-3 17	0.0469	0.0018	0.0268	0.0010	0.0042	0.0001	27.0	1.0	26.7	0.4	63	1142	0.06
18ZX27-3 18	0.0472	0.0012	0.0232	0.0006	0.0036	0.0001	23.3	0.6	23.0	0.3	123	2358	0.05
18ZX27-4 01	0.0518	0.0012	0.0254	0.0006	0.0036	0.0000	25.5	0.6	22.9	0.2	258	3216	0.08
18ZX27-4 02	0.0475	0.0011	0.0226	0.0005	0.0035	0.0000	22.7	0.5	22.2	0.2	139	3162	0.04
18ZX27-4 03	0.0628	0.0095	0.1107	0.0145	0.0132	0.0002	407.0	43.0	84.0	4.0	164	146	1.12
18ZX27-4 04	0.0466	0.0011	0.0218	0.0005	0.0034	0.0000	21.9	0.5	21.9	0.1	1570	4772	0.33

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX27-4 05	0.0461	0.0011	0.0220	0.0004	0.0035	0.0001	22.1	0.4	22.3	0.3	891	1968	0.45
18ZX27-4 06	0.0578	0.0191	0.0831	0.0273	0.0104	0.0004	81.0	26.0	67.0	2.0	16	106	0.15
18ZX27-4 07	0.0510	0.0009	0.0241	0.0004	0.0034	0.0000	24.2	0.4	22.0	0.1	373	8807	0.04
18ZX27-4 08	0.0589	0.0016	0.0282	0.0006	0.0035	0.0000	28.2	0.6	22.3	0.2	205	3923	0.05
18ZX27-4 09	0.0461	0.0011	0.0213	0.0004	0.0034	0.0000	21.4	0.4	21.6	0.2	89	1238	0.07
18ZX27-4 10	0.0477	0.0007	0.0223	0.0003	0.0034	0.0000	22.4	0.3	21.7	0.1	814	10199	0.08
18ZX27-4 11	0.0563	0.0013	0.0267	0.0006	0.0034	0.0000	26.7	0.6	22.1	0.2	192	3026	0.06
18ZX27-4 12	0.0641	0.0016	0.0304	0.0007	0.0035	0.0000	30.4	0.7	22.2	0.2	145	1910	0.08
18ZX27-4 13	0.0461	0.0010	0.0215	0.0004	0.0034	0.0000	21.6	0.4	21.8	0.2	112	3074	0.04
18ZX27-4 14	0.0461	0.0005	0.0214	0.0002	0.0034	0.0000	21.5	0.2	21.7	0.2	209	2390	0.09
18ZX27-4 15	0.0522	0.0010	0.0240	0.0005	0.0033	0.0000	24.1	0.5	21.4	0.1	880	4291	0.21
18ZX27-4 16	0.0461	0.0006	0.0219	0.0002	0.0034	0.0000	21.9	0.2	22.1	0.2	1099	3119	0.35
18ZX27-4 17	0.0514	0.0012	0.0247	0.0006	0.0035	0.0000	24.8	0.6	22.5	0.2	195	3521	0.06
18ZX27-4 18	0.0612	0.0017	0.0285	0.0008	0.0034	0.0000	28.5	0.7	21.8	0.2	313	2005	0.16
18ZX37-1 01	0.0474	0.0026	0.0268	0.0014	0.0042	0.0001	27.0	1.0	27.1	0.5	52	430	0.12
18ZX37-1 02	0.0489	0.0023	0.0271	0.0012	0.0041	0.0001	27.0	1.0	26.0	0.4	368	407	0.91
18ZX37-1 03	0.0443	0.0025	0.0238	0.0013	0.0040	0.0001	24.0	1.0	25.5	0.4	544	404	1.35
18ZX37-1 04	0.0697	0.0129	0.0322	0.0035	0.0042	0.0002	32.0	3.0	27.0	1.0	43	40	1.09
18ZX37-1 05	0.0788	0.0172	0.0317	0.0037	0.0039	0.0002	32.0	4.0	25.0	1.0	29	30	0.98
18ZX37-1 06	0.0822	0.0194	0.0319	0.0037	0.0039	0.0001	32.0	4.0	25.2	0.9	134	104	1.29
18ZX37-1 07	0.0480	0.0049	0.0251	0.0020	0.0042	0.0001	25.0	2.0	27.2	0.8	170	155	1.10
18ZX37-1 08	0.0470	0.0056	0.0287	0.0026	0.0047	0.0002	29.0	3.0	30.0	1.0	97	104	0.93
18ZX37-1 09	0.0482	0.0043	0.0316	0.0022	0.0054	0.0002	32.0	2.0	35.0	1.0	71	162	0.44

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX37-1 10	0.0516	0.0049	0.0273	0.0021	0.0040	0.0001	27.0	2.0	25.9	0.6	148	132	1.13
18ZX37-1 11	0.0709	0.0177	0.0352	0.0041	0.0048	0.0002	35.0	4.0	31.0	1.0	82	118	0.70
18ZX37-1 12	0.0491	0.0035	0.0248	0.0015	0.0039	0.0001	25.0	2.0	25.1	0.5	394	273	1.44
18ZX37-1 13	0.0511	0.0054	0.0308	0.0028	0.0047	0.0002	31.0	3.0	30.0	1.0	77	98	0.79
18ZX37-1 14	0.0501	0.0124	0.0290	0.0072	0.0042	0.0001	29.0	7.0	27.0	0.8	165	115	1.43
18ZX37-1 15	0.0456	0.0027	0.0250	0.0014	0.0040	0.0001	25.0	1.0	25.7	0.4	374	356	1.05
18ZX37-1 16	0.0519	0.0076	0.0237	0.0025	0.0038	0.0001	24.0	2.0	24.7	0.9	50	61	0.82
18ZX37-1 17	0.0557	0.0116	0.0322	0.0034	0.0042	0.0002	32.0	3.0	27.0	1.0	29	31	0.94
18ZX37-1 18	0.0457	0.0031	0.0405	0.0019	0.0066	0.0002	40.0	2.0	42.0	1.0	166	270	0.61
18ZX39-1 01	0.0471	0.0022	0.0252	0.0011	0.0040	0.0001	25.0	1.0	25.4	0.3	545	549	0.99
18ZX39-1 02	0.0563	0.0069	0.0295	0.0027	0.0041	0.0001	29.0	3.0	26.6	0.8	104	84	1.24
18ZX39-1 03	0.0461	0.0030	0.0237	0.0014	0.0037	0.0001	24.0	1.0	24.1	0.6	137	115	1.19
18ZX39-1 04	0.0515	0.0034	0.0532	0.0029	0.0080	0.0004	53.0	3.0	51.0	2.0	146	295	0.50
18ZX39-1 05	0.0490	0.0009	0.0255	0.0005	0.0038	0.0000	25.6	0.5	24.2	0.2	1257	4660	0.27
18ZX39-1 06	0.0487	0.0053	0.0236	0.0018	0.0038	0.0001	24.0	2.0	24.3	0.6	139	131	1.06
18ZX39-1 07	0.0504	0.0030	0.0280	0.0014	0.0042	0.0001	28.0	1.0	26.7	0.5	198	262	0.75
18ZX39-1 08	0.0486	0.0026	0.0428	0.0019	0.0066	0.0002	43.0	2.0	42.0	1.0	165	478	0.34
18ZX39-1 09	0.0487	0.0017	0.0260	0.0009	0.0039	0.0001	26.0	0.9	24.9	0.4	791	1675	0.47
18ZX39-1 10	0.0571	0.0051	0.0291	0.0021	0.0040	0.0001	29.0	2.0	25.7	0.7	132	143	0.93
18ZX39-1 11	0.0481	0.0046	0.0401	0.0038	0.0061	0.0001	40.0	4.0	38.9	0.8	441	719	0.61
18ZX39-1 12	0.0569	0.0018	0.2140	0.0065	0.0273	0.0003	197.0	5.0	174.0	2.0	250	228	1.09
18ZX39-1 13	0.0473	0.0045	0.0251	0.0018	0.0041	0.0001	25.0	2.0	26.5	0.6	159	170	0.94
18ZX39-1 14	0.0523	0.0011	0.1893	0.0038	0.0263	0.0002	176.0	3.0	167.0	2.0	291	637	0.46

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX39-1 15	0.0461	0.0031	0.0246	0.0016	0.0039	0.0001	25.0	2.0	24.9	0.5	179	232	0.77
18ZX39-1 16	0.0461	0.0047	0.0230	0.0022	0.0036	0.0001	23.0	2.0	23.3	0.8	71	88	0.81
18ZX39-1 17	0.0473	0.0011	0.0519	0.0017	0.0080	0.0002	51.0	2.0	51.0	1.0	287	1320	0.22
18ZX39-1 18	0.0481	0.0047	0.0249	0.0020	0.0041	0.0001	25.0	2.0	26.0	0.6	87	129	0.67

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
Syn-collisional dioritic gneisses (11 samples)													
18ZX18-1 01	0.0456	0.0028	0.0581	0.0036	0.0092	0.0002	57.0	3.0	59.0	1.0	81	171	0.47
18ZX18-1 02	0.0471	0.0021	0.0637	0.0027	0.0100	0.0001	63.0	3.0	64.1	0.8	126	265	0.47
18ZX18-1 03	0.0444	0.0013	0.0587	0.0017	0.0096	0.0001	58.0	2.0	61.6	0.6	596	631	0.94
18ZX18-1 04	0.0636	0.0091	0.0701	0.0054	0.0095	0.0003	69.0	5.0	61.0	2.0	30	46	0.65
18ZX18-1 05	0.0434	0.0038	0.0548	0.0042	0.0095	0.0002	54.0	4.0	61.0	1.0	31	71	0.43
18ZX18-1 06	0.0479	0.0010	0.0595	0.0014	0.0090	0.0001	59.0	1.0	57.7	0.6	322	1080	0.30
18ZX18-1 07	0.0465	0.0038	0.0598	0.0042	0.0094	0.0002	59.0	4.0	61.0	1.0	61	105	0.58
18ZX18-1 08	0.0471	0.0018	0.0623	0.0022	0.0097	0.0001	61.0	2.0	62.0	0.7	253	396	0.64
18ZX18-1 09	0.0501	0.0020	0.0649	0.0026	0.0095	0.0001	64.0	2.0	60.7	0.7	158	544	0.29
18ZX18-1 10	0.0494	0.0018	0.0705	0.0026	0.0104	0.0001	69.0	2.0	66.8	0.7	179	483	0.37
18ZX18-1 11	0.0493	0.0020	0.0726	0.0039	0.0107	0.0002	71.0	4.0	68.0	1.0	354	581	0.61
18ZX18-1 12	0.0423	0.0015	0.0586	0.0020	0.0101	0.0001	58.0	2.0	64.7	0.7	232	390	0.59
18ZX18-1 13	0.0485	0.0011	0.0577	0.0013	0.0086	0.0001	57.0	1.0	55.4	0.4	435	1346	0.32
18ZX18-1 14	0.0518	0.0036	0.0699	0.0043	0.0100	0.0002	69.0	4.0	64.0	1.0	81	172	0.47

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX18-1 15	0.0492	0.0025	0.0377	0.0027	0.0056	0.0002	38.0	3.0	36.0	1.0	152	1653	0.09
18ZX18-1 16	0.0456	0.0019	0.0576	0.0023	0.0092	0.0001	57.0	2.0	59.3	0.7	256	390	0.66
18ZX18-1 17	0.0477	0.0014	0.0605	0.0018	0.0092	0.0001	60.0	2.0	58.9	0.6	211	594	0.36
18ZX18-1 18	0.0502	0.0036	0.0644	0.0037	0.0097	0.0002	63.0	4.0	62.0	1.0	48	99	0.48
18ZX18-1b 01	0.0494	0.0017	0.0297	0.0009	0.0044	0.0001	29.7	0.9	28.0	0.5	1296	7295	0.18
18ZX18-1b 02	0.0492	0.0012	0.0441	0.0010	0.0065	0.0001	44.0	1.0	41.6	0.4	5119	3721	1.38
18ZX18-1b 03	0.0488	0.0019	0.0275	0.0010	0.0041	0.0000	28.0	1.0	26.3	0.3	1364	14906	0.09
18ZX18-1b 04	0.0479	0.0011	0.0445	0.0009	0.0067	0.0001	44.2	0.9	43.2	0.4	582	3661	0.16
18ZX18-1b 05	0.0533	0.0080	0.0325	0.0048	0.0044	0.0001	32.0	5.0	28.4	0.4	81	2659	0.03
18ZX18-1b 06	0.0470	0.0012	0.0560	0.0014	0.0087	0.0001	55.0	1.0	55.5	0.5	750	3726	0.20
18ZX18-1b 07	0.0470	0.0015	0.0245	0.0007	0.0038	0.0000	24.5	0.7	24.3	0.2	140	4469	0.03
18ZX18-1b 08	0.0515	0.0104	0.0643	0.0126	0.0091	0.0004	63.0	12.0	58.0	3.0	23	38	0.61
18ZX18-1b 09	0.0461	0.0014	0.0241	0.0007	0.0038	0.0000	24.2	0.7	24.4	0.3	2280	5815	0.39
18ZX18-1b 10	0.0485	0.0027	0.1778	0.0095	0.0269	0.0004	166.0	8.0	171.0	3.0	53	129	0.41
18ZX18-1b 11	0.0475	0.0011	0.0266	0.0007	0.0041	0.0001	26.7	0.6	26.1	0.3	281	7057	0.04
18ZX18-1b 12	0.0467	0.0012	0.0469	0.0012	0.0073	0.0001	47.0	1.0	46.7	0.5	1560	1885	0.83
18ZX18-1b 13	0.0461	0.0009	0.0244	0.0004	0.0038	0.0000	24.4	0.4	24.7	0.3	221	4506	0.05
18ZX18-1b 14	0.0600	0.0109	0.0554	0.0065	0.0090	0.0004	55.0	6.0	58.0	2.0	37	44	0.85
18ZX18-1b 15	0.0467	0.0009	0.0254	0.0005	0.0039	0.0000	25.5	0.5	25.3	0.2	1306	10515	0.12
18ZX18-1b 16	0.0500	0.0031	0.0543	0.0033	0.0079	0.0001	54.0	3.0	50.6	0.8	360	541	0.66
17LZ02-1 01	0.0552	0.0038	0.0727	0.0046	0.0099	0.0002	71.0	4.0	64.0	1.0	91	182	0.50
17LZ02-1 02	0.0544	0.0040	0.0736	0.0049	0.0101	0.0002	72.0	5.0	65.0	2.0	111	249	0.44
17LZ02-1 03	0.0545	0.0047	0.0736	0.0058	0.0100	0.0003	72.0	5.0	64.0	2.0	41	120	0.34

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
17LZ02-1 04	0.0506	0.0039	0.0675	0.0041	0.0100	0.0002	66.0	4.0	64.0	1.0	85	202	0.42
17LZ02-1 05	0.0520	0.0051	0.0681	0.0063	0.0099	0.0003	67.0	6.0	64.0	2.0	36	112	0.32
17LZ02-1 06	0.0512	0.0040	0.0749	0.0054	0.0110	0.0002	73.0	5.0	71.0	1.0	81	197	0.41
17LZ02-1 07	0.0505	0.0035	0.0740	0.0047	0.0109	0.0002	72.0	4.0	70.0	1.0	90	206	0.44
17LZ02-1 08	0.0475	0.0045	0.0693	0.0056	0.0108	0.0002	68.0	5.0	69.0	1.0	54	140	0.38
17LZ02-1 09	0.0529	0.0045	0.0735	0.0057	0.0104	0.0003	72.0	5.0	66.0	2.0	79	148	0.53
17LZ02-1 10	0.0476	0.0012	0.0648	0.0017	0.0099	0.0001	64.0	2.0	63.2	0.7	58	1918	0.03
17LZ02-1 11	0.0518	0.0038	0.0784	0.0063	0.0109	0.0003	77.0	6.0	70.0	2.0	88	202	0.43
17LZ02-1 12	0.0523	0.0052	0.0624	0.0050	0.0092	0.0002	61.0	5.0	59.0	2.0	63	163	0.39
17LZ02-1 13	0.0557	0.0041	0.0786	0.0047	0.0104	0.0002	77.0	4.0	67.0	1.0	77	170	0.45
17LZ02-1 14	0.0515	0.0066	0.0725	0.0091	0.0102	0.0002	71.0	9.0	65.0	1.0	76	172	0.44
17LZ02-1 15	0.0526	0.0033	0.0713	0.0043	0.0100	0.0002	70.0	4.0	64.0	1.0	83	195	0.42
17LZ02-1 16	0.0499	0.0038	0.0730	0.0047	0.0109	0.0002	72.0	4.0	70.0	1.0	71	151	0.47
17LZ02-1 17	0.0586	0.0093	0.0862	0.0134	0.0107	0.0003	84.0	13.0	68.0	2.0	31	105	0.30
17LZ02-1 18	0.0574	0.0034	0.0802	0.0048	0.0101	0.0002	78.0	5.0	64.0	1.0	148	217	0.68
17LZ02-1b 01	0.0461	0.0106	0.0287	0.0065	0.0045	0.0002	29.0	6.0	29.1	1.0	53	425	0.12
17LZ02-1b 02	0.0477	0.0043	0.0631	0.0040	0.0103	0.0003	62.0	4.0	66.0	2.0	44	118	0.37
17LZ02-1b 03	0.0461	0.0090	0.0307	0.0059	0.0048	0.0002	31.0	6.0	31.0	1.0	47	245	0.19
17LZ02-1b 04	0.0541	0.0072	0.0616	0.0081	0.0083	0.0002	61.0	8.0	53.0	1.0	47	154	0.30
17LZ02-1b 05	0.0601	0.0083	0.0431	0.0058	0.0052	0.0002	43.0	6.0	33.4	0.9	37	394	0.09
17LZ02-1b 06	0.0496	0.0080	0.0706	0.0112	0.0103	0.0003	69.0	11.0	66.0	2.0	75	138	0.54
17LZ02-1b 07	0.0461	0.0166	0.0298	0.0107	0.0047	0.0002	30.0	11.0	30.0	1.0	31	238	0.13
17LZ02-1b 08	0.0636	0.0307	0.0376	0.0180	0.0043	0.0003	37.0	18.0	28.0	2.0	37	219	0.17
17LZ02-1b 09	0.0461	0.0040	0.0328	0.0027	0.0052	0.0002	33.0	3.0	33.0	1.0	54	260	0.21

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
17LZ02-1b 10	0.0531	0.0047	0.0473	0.0040	0.0065	0.0002	47.0	4.0	42.0	1.0	42	258	0.16
17LZ02-1b 11	0.0769	0.0154	0.0575	0.0113	0.0054	0.0002	57.0	11.0	35.0	1.0	39	219	0.18
17LZ02-1b 12	0.0505	0.0035	0.0660	0.0038	0.0097	0.0002	65.0	4.0	62.0	1.0	139	237	0.59
17LZ02-1b 13	0.0461	0.0018	0.0645	0.0023	0.0102	0.0002	63.0	2.0	65.0	1.0	103	1550	0.07
18ZX06-1 01	0.0474	0.0020	0.0569	0.0024	0.0087	0.0001	56.0	2.0	56.1	0.8	154	250	0.61
18ZX06-1 02	0.0502	0.0029	0.0558	0.0031	0.0081	0.0001	55.0	3.0	51.7	0.8	111	697	0.16
18ZX06-1 03	0.0461	0.0014	0.0536	0.0015	0.0085	0.0001	53.0	1.0	54.2	0.7	184	308	0.60
18ZX06-1 04	0.0554	0.0021	0.0635	0.0025	0.0083	0.0001	62.0	2.0	53.3	0.8	163	512	0.32
18ZX06-1 05	0.0328	0.0012	0.0394	0.0015	0.0088	0.0001	39.0	1.0	56.1	0.5	319	654	0.49
18ZX06-1 06	0.0464	0.0016	0.0539	0.0019	0.0085	0.0001	53.0	2.0	54.4	0.7	153	506	0.30
18ZX06-1 07	0.0465	0.0014	0.0552	0.0018	0.0086	0.0001	55.0	2.0	55.2	0.8	417	687	0.61
18ZX06-1 08	0.0478	0.0043	0.0538	0.0047	0.0082	0.0002	53.0	5.0	52.0	1.0	736	803	0.92
18ZX06-1 09	0.0463	0.0016	0.0531	0.0018	0.0084	0.0001	52.0	2.0	53.7	0.8	261	771	0.34
18ZX06-1 10	0.0504	0.0029	0.0591	0.0033	0.0085	0.0001	58.0	3.0	54.6	0.6	384	451	0.85
18ZX06-1 11	0.0445	0.0020	0.0534	0.0024	0.0088	0.0001	53.0	2.0	56.2	0.7	159	304	0.52
18ZX06-1 12	0.0514	0.0025	0.0620	0.0028	0.0089	0.0001	61.0	3.0	56.9	0.8	87	231	0.38
18ZX06-1 13	0.0465	0.0019	0.0537	0.0021	0.0084	0.0001	53.0	2.0	53.9	0.7	546	781	0.70
18ZX06-1 14	0.0472	0.0013	0.0520	0.0016	0.0080	0.0001	52.0	2.0	51.5	0.8	1079	995	1.08
18ZX06-1 15	0.0467	0.0012	0.0436	0.0011	0.0068	0.0001	43.0	1.0	43.9	0.7	627	1247	0.50
18ZX06-1 16	0.0507	0.0023	0.0592	0.0026	0.0085	0.0001	58.0	3.0	54.4	0.6	396	593	0.67
18ZX06-1 17	0.0488	0.0014	0.0558	0.0018	0.0084	0.0002	55.0	2.0	54.0	1.0	342	1015	0.34
18ZX06-1 18	0.0486	0.0007	0.0431	0.0006	0.0064	0.0001	42.8	0.6	41.2	0.3	515	6188	0.08

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX09-1 01	0.0495	0.0042	0.0499	0.0033	0.0079	0.0002	49.0	3.0	51.0	1.0	65	183	0.36
18ZX09-1 02	0.0509	0.0037	0.0535	0.0031	0.0079	0.0001	53.0	3.0	50.9	0.9	191	266	0.72
18ZX09-1 03	0.0460	0.0055	0.0469	0.0031	0.0078	0.0001	47.0	3.0	50.2	0.8	307	532	0.58
18ZX09-1 04	0.0450	0.0021	0.0485	0.0022	0.0079	0.0001	48.0	2.0	50.4	0.7	305	721	0.42
18ZX09-1 05	0.0443	0.0046	0.0489	0.0044	0.0082	0.0002	49.0	4.0	53.0	1.0	56	119	0.47
18ZX09-1 06	0.0405	0.0023	0.0445	0.0024	0.0081	0.0001	44.0	2.0	51.8	0.7	300	536	0.56
18ZX09-1 07	0.0461	0.0014	0.0489	0.0012	0.0077	0.0002	48.0	1.0	49.5	0.9	1972	1707	1.16
18ZX09-1 08	0.0436	0.0036	0.0445	0.0030	0.0078	0.0002	44.0	3.0	50.0	1.0	108	179	0.60
18ZX09-1 09	0.0364	0.0026	0.0386	0.0023	0.0080	0.0002	38.0	2.0	51.0	1.0	161	260	0.62
18ZX09-1 10	0.0381	0.0030	0.0390	0.0026	0.0078	0.0002	39.0	3.0	50.0	1.0	235	253	0.93
18ZX09-1 11	0.0451	0.0023	0.0479	0.0023	0.0078	0.0001	47.0	2.0	50.2	0.7	354	603	0.59
18ZX09-1 12	0.0446	0.0041	0.0487	0.0034	0.0085	0.0002	48.0	3.0	54.0	1.0	100	175	0.57
18ZX09-1 13	0.0550	0.0039	0.0622	0.0043	0.0082	0.0002	61.0	4.0	53.0	1.0	287	413	0.69
18ZX09-1 14	0.0565	0.0276	0.0616	0.0297	0.0079	0.0005	61.0	28.0	51.0	3.0	48	44	1.09
18ZX09-1 15	0.0455	0.0040	0.1089	0.0144	0.0160	0.0014	105.0	13.0	102.0	9.0	93	121	0.77
18ZX09-1 16	0.0513	0.0047	0.0550	0.0045	0.0082	0.0002	54.0	4.0	52.0	1.0	133	197	0.68
18ZX09-1 17	0.0511	0.0042	0.0574	0.0040	0.0086	0.0002	57.0	4.0	55.0	1.0	194	282	0.69
18ZX09-1 18	0.0535	0.0058	0.0628	0.0067	0.0085	0.0002	62.0	6.0	55.0	1.0	427	505	0.84
18ZX11-2 01	0.0474	0.0021	0.0559	0.0023	0.0086	0.0001	55.0	2.0	55.0	0.8	241	544	0.44
18ZX11-2 02	0.0484	0.0020	0.0563	0.0022	0.0085	0.0001	56.0	2.0	54.4	0.7	285	606	0.47
18ZX11-2 03	0.0464	0.0015	0.0537	0.0017	0.0084	0.0001	53.0	2.0	53.6	0.6	248	1089	0.23
18ZX11-2 04	0.0492	0.0016	0.0584	0.0020	0.0085	0.0001	58.0	2.0	54.7	0.7	563	905	0.62
18ZX11-2 05	0.0469	0.0020	0.0513	0.0021	0.0080	0.0001	51.0	2.0	51.3	0.8	637	1481	0.43

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-2 06	0.0500	0.0021	0.0573	0.0021	0.0084	0.0001	57.0	2.0	54.0	0.8	205	708	0.29
18ZX11-2 07	0.0500	0.0023	0.0573	0.0024	0.0084	0.0001	57.0	2.0	53.9	0.8	199	475	0.42
18ZX11-2 08	0.0461	0.0013	0.0493	0.0013	0.0078	0.0001	49.0	1.0	49.9	0.6	710	2218	0.32
18ZX11-2 09	0.0471	0.0028	0.0561	0.0032	0.0087	0.0001	55.0	3.0	55.7	0.9	180	381	0.47
18ZX11-2 10	0.0461	0.0023	0.0521	0.0025	0.0082	0.0001	52.0	2.0	52.7	0.8	370	754	0.49
18ZX11-2 11	0.0510	0.0032	0.0613	0.0038	0.0088	0.0002	60.0	4.0	56.7	1.0	369	547	0.67
18ZX11-2 12	0.0485	0.0021	0.0548	0.0021	0.0083	0.0001	54.0	2.0	53.2	0.7	279	1069	0.26
18ZX11-2 13	0.0464	0.0016	0.0541	0.0018	0.0085	0.0001	54.0	2.0	54.5	0.7	511	718	0.71
18ZX11-2 14	0.0430	0.0020	0.0506	0.0023	0.0086	0.0001	50.0	2.0	54.9	0.8	271	652	0.42
18ZX11-2 15	0.0509	0.0052	0.0613	0.0055	0.0089	0.0003	60.0	5.0	57.0	2.0	63	114	0.55
18ZX11-2 16	0.0449	0.0026	0.0521	0.0030	0.0085	0.0001	52.0	3.0	54.5	0.8	163	364	0.45
18ZX11-2 17	0.0546	0.0031	0.0626	0.0031	0.0086	0.0001	62.0	3.0	54.9	0.9	98	291	0.34
18ZX11-2 18	0.0459	0.0024	0.0533	0.0027	0.0085	0.0001	53.0	3.0	54.7	0.8	182	555	0.33
18ZX11-2b 01	0.0595	0.0025	0.0454	0.0017	0.0058	0.0002	45.0	2.0	37.1	1.0	1264	1848	0.68
18ZX11-2b 02	0.0461	0.0050	0.0396	0.0041	0.0062	0.0002	39.0	4.0	40.0	1.0	52	535	0.10
18ZX11-2b 03	0.0549	0.0073	0.0639	0.0083	0.0084	0.0002	63.0	8.0	54.0	2.0	60	125	0.48
18ZX11-2b 04	0.0460	0.0013	0.0535	0.0015	0.0084	0.0001	53.0	1.0	54.0	0.6	578	1374	0.42
18ZX11-3 01	0.0444	0.0023	0.0490	0.0024	0.0081	0.0001	49.0	2.0	51.9	0.7	808	499	1.62
18ZX11-3 02	0.0500	0.0031	0.0569	0.0031	0.0085	0.0002	56.0	3.0	55.0	1.0	127	322	0.39
18ZX11-3 03	0.0521	0.0038	0.0588	0.0041	0.0082	0.0002	58.0	4.0	53.0	1.0	241	482	0.50
18ZX11-3 04	0.0448	0.0025	0.0516	0.0025	0.0086	0.0001	51.0	2.0	54.9	0.8	216	405	0.53
18ZX11-3 05	0.0495	0.0020	0.0560	0.0022	0.0082	0.0001	55.0	2.0	52.7	0.7	308	757	0.41
18ZX11-3 06	0.0490	0.0023	0.0551	0.0025	0.0082	0.0001	54.0	2.0	52.8	0.7	622	483	1.29

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-3 07	0.0461	0.0022	0.0618	0.0028	0.0097	0.0002	61.0	3.0	62.0	1.0	227	365	0.62
18ZX11-3 08	0.0481	0.0025	0.0544	0.0027	0.0083	0.0001	54.0	3.0	53.2	0.8	472	463	1.02
18ZX11-3 09	0.0496	0.0031	0.0550	0.0029	0.0083	0.0001	54.0	3.0	53.3	0.9	402	316	1.27
18ZX11-3 10	0.0479	0.0011	0.0493	0.0012	0.0075	0.0001	49.0	1.0	48.0	0.6	518	5230	0.10
18ZX11-3 11	0.0500	0.0033	0.0537	0.0033	0.0080	0.0001	53.0	3.0	51.2	0.9	172	323	0.53
18ZX11-3 12	0.0481	0.0021	0.0511	0.0019	0.0075	0.0001	51.0	2.0	48.5	0.6	556	838	0.66
18ZX11-3 13	0.0475	0.0029	0.0532	0.0030	0.0081	0.0001	53.0	3.0	52.2	0.9	139	314	0.44
18ZX11-3 14	0.0543	0.0049	0.2006	0.0178	0.0268	0.0005	186.0	15.0	171.0	3.0	79	99	0.80
18ZX11-3 15	0.0488	0.0024	0.1269	0.0064	0.0190	0.0005	121.0	6.0	122.0	3.0	118	209	0.57
18ZX11-3 16	0.0512	0.0028	0.0541	0.0027	0.0079	0.0001	54.0	3.0	50.7	0.9	360	330	1.09
18ZX11-3 17	0.0441	0.0027	0.0496	0.0026	0.0083	0.0001	49.0	3.0	53.3	0.9	212	393	0.54
18ZX11-3 18	0.0511	0.0022	0.0598	0.0026	0.0085	0.0001	59.0	3.0	54.5	0.6	293	901	0.32
18ZX11-3 19	0.0482	0.0011	0.0484	0.0011	0.0073	0.0001	48.0	1.0	46.7	0.4	2202	4304	0.51
18ZX11-3 20	0.0485	0.0041	0.0515	0.0038	0.0081	0.0002	51.0	4.0	52.0	1.0	535	380	1.41
18ZX11-3 21	0.0739	0.0015	1.5541	0.0304	0.1527	0.0014	952.0	12.0	916.0	8.0	147	235	0.63
18ZX11-3 22	0.0579	0.0010	0.6639	0.0115	0.0833	0.0008	517.0	7.0	515.0	4.0	170	629	0.27
18ZX11-3 23	0.0611	0.0055	0.0580	0.0058	0.0070	0.0002	57.0	6.0	45.0	1.0	1301	753	1.73
18ZX11-3 24	0.0481	0.0012	0.0467	0.0011	0.0071	0.0001	46.0	1.0	45.3	0.5	2736	3457	0.79
18ZX11-3 25	0.1027	0.0021	4.0240	0.0782	0.2842	0.0029	1639.0	16.0	1612.0	15.0	136	193	0.71
18ZX11-3 26	0.0479	0.0030	0.0526	0.0029	0.0081	0.0002	52.0	3.0	52.0	1.0	159	242	0.66
18ZX11-3 27	0.0932	0.0023	3.4170	0.0836	0.2661	0.0037	1508.0	19.0	1521.0	19.0	121	150	0.81
18ZX11-7 07	0.0504	0.0026	0.0540	0.0027	0.0078	0.0001	53.0	3.0	49.9	0.7	23	292	0.08
18ZX11-7 13	0.0461	0.0017	0.0503	0.0018	0.0079	0.0001	50.0	2.0	50.9	0.6	3788	2868	1.32

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX11-7 09	0.0476	0.0018	0.0525	0.0019	0.0080	0.0001	52.0	2.0	51.3	0.6	101	832	0.12
18ZX11-7 18	0.0564	0.0014	0.0629	0.0017	0.0080	0.0001	62.0	2.0	51.5	0.5	1772	1915	0.93
18ZX11-7 15	0.0491	0.0012	0.0547	0.0015	0.0081	0.0001	54.0	1.0	51.8	0.5	2174	2089	1.04
18ZX11-7 04	0.0497	0.0022	0.0550	0.0023	0.0081	0.0001	54.0	2.0	52.1	0.7	57	284	0.20
18ZX11-7 10	0.0481	0.0027	0.0532	0.0028	0.0082	0.0001	53.0	3.0	52.8	0.8	4	272	0.01
18ZX11-7 12	0.0485	0.0023	0.0539	0.0023	0.0082	0.0001	53.0	2.0	52.9	0.8	68	365	0.19
18ZX11-7 05	0.0474	0.0012	0.0542	0.0015	0.0083	0.0001	54.0	1.0	53.4	0.6	494	1260	0.39
18ZX11-7 11	0.0467	0.0019	0.0530	0.0022	0.0083	0.0001	52.0	2.0	53.4	0.7	52	330	0.16
18ZX11-7 17	0.0484	0.0013	0.0553	0.0013	0.0083	0.0001	55.0	1.0	53.4	0.5	144	1139	0.13
18ZX11-7 14	0.0484	0.0020	0.0551	0.0021	0.0083	0.0001	55.0	2.0	53.5	0.7	120	412	0.29
18ZX11-7 06	0.0475	0.0029	0.0541	0.0029	0.0084	0.0001	53.0	3.0	53.9	0.9	31	170	0.18
18ZX11-7 02	0.0470	0.0008	0.0549	0.0009	0.0085	0.0001	54.3	0.9	54.3	0.4	401	3239	0.12
18ZX11-7 03	0.0477	0.0015	0.0554	0.0016	0.0085	0.0001	55.0	2.0	54.5	0.6	748	1113	0.67
18ZX11-7 08	0.0496	0.0027	0.0587	0.0028	0.0088	0.0001	58.0	3.0	56.2	0.9	39	267	0.15
18ZX11-7 01	0.0461	0.0017	0.0559	0.0019	0.0088	0.0001	55.0	2.0	56.5	0.7	78	527	0.15
18ZX11-7 16	0.0650	0.0018	0.8885	0.0258	0.0991	0.0011	646.0	14.0	609.0	7.0	10	69	0.14
18ZX27-1 01	0.0476	0.0040	0.0494	0.0036	0.0078	0.0002	49.0	3.0	50.3	1.0	60	103	0.59
18ZX27-1 02	0.0551	0.0050	0.0562	0.0041	0.0080	0.0002	56.0	4.0	51.0	1.0	46	72	0.63
18ZX27-1 03	0.0480	0.0042	0.0498	0.0033	0.0080	0.0002	49.0	3.0	52.0	1.0	50	82	0.61
18ZX27-1 04	0.0510	0.0049	0.0548	0.0044	0.0080	0.0002	54.0	4.0	51.0	1.0	55	71	0.77
18ZX27-1 05	0.0537	0.0056	0.0529	0.0038	0.0078	0.0002	52.0	4.0	50.0	1.0	40	56	0.71
18ZX27-1 06	0.0523	0.0037	0.0564	0.0034	0.0081	0.0001	56.0	3.0	52.3	0.9	39	113	0.35
18ZX27-1 07	0.0547	0.0051	0.0580	0.0043	0.0081	0.0002	57.0	4.0	52.0	1.0	38	60	0.64

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX27-1 08	0.0525	0.0047	0.0561	0.0037	0.0082	0.0002	55.0	4.0	53.0	1.0	40	75	0.53
18ZX27-1 09	0.0669	0.0056	0.0689	0.0045	0.0080	0.0002	68.0	4.0	52.0	1.0	38	56	0.68
18ZX27-1 10	0.0441	0.0031	0.0470	0.0027	0.0081	0.0002	47.0	3.0	51.7	1.0	58	100	0.58
18ZX27-1 11	0.0570	0.0059	0.0614	0.0063	0.0082	0.0002	60.0	6.0	53.0	1.0	53	92	0.57
18ZX27-1 12	0.0514	0.0037	0.0553	0.0034	0.0082	0.0002	55.0	3.0	52.0	1.0	49	86	0.56
18ZX27-1 13	0.0489	0.0021	0.0506	0.0019	0.0077	0.0001	50.0	2.0	49.7	0.7	16	337	0.05
18ZX27-1 14	0.0514	0.0034	0.0557	0.0034	0.0079	0.0001	55.0	3.0	50.9	0.9	60	108	0.55
18ZX27-1 15	0.0507	0.0041	0.0535	0.0036	0.0080	0.0002	53.0	3.0	51.0	1.0	53	83	0.64
18ZX27-1 16	0.0453	0.0050	0.0466	0.0039	0.0080	0.0002	46.0	4.0	52.0	1.0	33	60	0.55
18ZX27-1 17	0.0621	0.0054	0.0640	0.0044	0.0081	0.0002	63.0	4.0	52.0	1.0	63	71	0.89
18ZX27-1 18	0.0471	0.0038	0.0508	0.0036	0.0079	0.0002	50.0	3.0	51.0	1.0	74	83	0.90
18ZX27-6 01	0.0463	0.0020	0.0478	0.0020	0.0075	0.0001	47.0	2.0	48.3	0.6	175	255	0.68
18ZX27-6 02	0.0473	0.0019	0.0484	0.0019	0.0075	0.0001	48.0	2.0	48.2	0.6	212	357	0.59
18ZX27-6 03	0.0479	0.0018	0.0494	0.0017	0.0075	0.0001	49.0	2.0	48.5	0.5	272	466	0.58
18ZX27-6 04	0.0486	0.0019	0.0493	0.0018	0.0074	0.0001	49.0	2.0	47.8	0.6	155	363	0.43
18ZX27-6 05	0.0456	0.0026	0.0470	0.0024	0.0076	0.0001	47.0	2.0	48.9	0.7	173	245	0.71
18ZX27-6 06	0.0449	0.0026	0.0457	0.0024	0.0076	0.0001	45.0	2.0	48.6	0.8	172	226	0.76
18ZX27-6 07	0.0464	0.0048	0.0472	0.0048	0.0074	0.0001	47.0	5.0	47.4	0.8	221	339	0.65
18ZX27-6 08	0.0446	0.0019	0.0456	0.0018	0.0075	0.0001	45.0	2.0	48.0	0.6	165	333	0.50
18ZX27-6 09	0.0477	0.0027	0.0494	0.0027	0.0077	0.0001	49.0	3.0	49.2	0.8	119	188	0.63
18ZX27-6 10	0.2295	0.9507	0.3451	1.3656	0.0109	0.0134	301.0	1031.0	70.0	85.0	216	270	0.80
18ZX27-6 11	0.0487	0.0024	0.0490	0.0023	0.0074	0.0001	49.0	2.0	47.3	0.7	181	251	0.72
18ZX27-6 12	0.0461	0.0031	0.0481	0.0031	0.0076	0.0001	48.0	3.0	48.6	0.9	150	211	0.71

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	²⁰⁷ Pb/ ²⁰⁶ Pb	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	²⁰⁷ Pb/ ²³⁵ U	1s	²⁰⁶ Pb/ ²³⁸ U	1s	Th	U	Th/U
18ZX27-6 13	0.0489	0.0022	0.0498	0.0022	0.0074	0.0001	49.0	2.0	47.8	0.6	169	263	0.64
18ZX27-6 14	0.0468	0.0017	0.0481	0.0018	0.0075	0.0001	48.0	2.0	48.0	0.5	259	449	0.58
18ZX27-6 15	0.0497	0.0027	0.0503	0.0025	0.0075	0.0001	50.0	2.0	48.2	0.7	158	218	0.73
18ZX27-6 16	0.0474	0.0039	0.0495	0.0040	0.0076	0.0002	49.0	4.0	49.0	1.0	116	179	0.65
18ZX27-6 17	0.0479	0.0028	0.0498	0.0027	0.0077	0.0001	49.0	3.0	49.6	0.8	113	176	0.64
18ZX27-6 18	0.0867	0.0455	0.0982	0.0510	0.0082	0.0006	95.0	47.0	53.0	4.0	162	239	0.68
18ZX28-2 01	0.0477	0.0026	0.0469	0.0022	0.0073	0.0001	47.0	2.0	46.7	0.7	27	109	0.24
18ZX28-2 02	0.0527	0.0031	0.0461	0.0025	0.0065	0.0001	46.0	2.0	41.6	0.8	25	152	0.17
18ZX28-2 03	0.0443	0.0020	0.0454	0.0020	0.0075	0.0001	45.0	2.0	48.2	0.7	48	188	0.26
18ZX28-2 04	0.0546	0.0026	0.0538	0.0022	0.0073	0.0001	53.0	2.0	46.7	0.6	38	125	0.30
18ZX28-2 05	0.0527	0.0027	0.0512	0.0023	0.0073	0.0001	51.0	2.0	47.0	0.8	20	97	0.20
18ZX28-2 06	0.0483	0.0025	0.0473	0.0022	0.0073	0.0001	47.0	2.0	47.0	0.7	38	134	0.28
18ZX28-2 07	0.0475	0.0009	0.0357	0.0007	0.0055	0.0000	35.6	0.7	35.1	0.2	201	1611	0.12
18ZX28-2 08	0.0485	0.0022	0.0485	0.0020	0.0074	0.0001	48.0	2.0	47.5	0.7	42	175	0.24
18ZX28-2 09	0.0444	0.0014	0.0460	0.0015	0.0075	0.0001	46.0	1.0	48.4	0.5	50	311	0.16
18ZX28-2 10	0.0486	0.0016	0.0481	0.0015	0.0072	0.0001	48.0	1.0	46.5	0.4	89	370	0.24
18ZX28-2 11	0.0467	0.0028	0.0466	0.0025	0.0074	0.0001	46.0	2.0	47.7	0.8	23	103	0.22
18ZX28-2 12	0.0476	0.0025	0.0470	0.0022	0.0074	0.0001	47.0	2.0	47.3	0.6	33	122	0.27
18ZX28-2 13	0.0507	0.0021	0.0514	0.0020	0.0074	0.0001	51.0	2.0	47.8	0.6	32	157	0.21
18ZX28-2 14	0.0429	0.0022	0.0440	0.0022	0.0075	0.0001	44.0	2.0	48.3	0.6	30	123	0.25
18ZX28-2 15	0.0478	0.0027	0.0461	0.0021	0.0072	0.0001	46.0	2.0	46.5	0.7	30	122	0.25
18ZX28-2 16	0.0506	0.0019	0.0509	0.0018	0.0074	0.0001	50.0	2.0	47.5	0.5	70	246	0.29
18ZX28-2 17	0.0494	0.0023	0.0373	0.0019	0.0057	0.0002	37.0	2.0	37.0	1.0	15	304	0.05

Analysis	Corrected isotopic ratios						Corrected ages (Ma)				Contents (ppm)		
	$^{207}\text{Pb}/^{206}\text{Pb}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	1s	$^{206}\text{Pb}/^{238}\text{U}$	1s	Th	U	Th/U
18ZX28-2 18	0.0470	0.0023	0.0478	0.0020	0.0075	0.0001	47.0	2.0	48.3	0.7	31	131	0.24
18ZX28-2b 01	0.0499	0.0045	0.0282	0.0025	0.0041	0.0001	28.0	2.0	26.3	0.4	12	728	0.02
18ZX28-2b 02	0.0504	0.0040	0.0299	0.0021	0.0044	0.0001	30.0	2.0	28.5	0.6	7	460	0.01
18ZX28-2b 03	0.0460	0.0028	0.0460	0.0028	0.0074	0.0001	46.0	3.0	47.4	0.9	337	527	0.64
18ZX28-2b 04	0.0426	0.0042	0.0409	0.0029	0.0074	0.0002	41.0	3.0	48.0	1.0	128	220	0.58
18ZX28-2b 05	0.0695	0.0123	0.0433	0.0073	0.0045	0.0002	43.0	7.0	29.0	2.0	4	169	0.03
18ZX28-2b 06	0.0505	0.0068	0.0315	0.0038	0.0050	0.0002	31.0	4.0	32.0	1.0	21	274	0.08
18ZX28-2b 07	0.0468	0.0035	0.0471	0.0034	0.0073	0.0001	47.0	3.0	46.5	0.8	182	384	0.47
18ZX28-2b 08	0.0633	0.0074	0.0367	0.0032	0.0047	0.0002	37.0	3.0	30.0	1.0	8	187	0.04
18ZX28-2b 09	0.0499	0.0024	0.0292	0.0013	0.0043	0.0001	29.0	1.0	27.7	0.6	9	904	0.01
18ZX28-2b 10	0.0492	0.0050	0.0435	0.0033	0.0072	0.0002	43.0	3.0	46.0	1.0	72	153	0.47
18ZX28-2b 11	0.0470	0.0025	0.0257	0.0013	0.0040	0.0001	26.0	1.0	25.5	0.4	12	1180	0.01
18ZX28-2b 12	0.0461	0.0017	0.0275	0.0009	0.0043	0.0001	27.5	0.9	27.8	0.5	20	792	0.03
18ZX28-2b 13	0.0532	0.0055	0.0499	0.0038	0.0076	0.0002	49.0	4.0	49.0	1.0	98	211	0.46
18ZX28-2b 14	0.0463	0.0033	0.0274	0.0018	0.0043	0.0001	27.0	2.0	27.6	0.6	9	592	0.02
18ZX28-2b 15	0.0528	0.0069	0.0528	0.0068	0.0073	0.0002	52.0	7.0	47.0	1.0	119	208	0.57
18ZX28-2b 16	0.0496	0.0016	0.0278	0.0009	0.0041	0.0001	27.8	0.9	26.3	0.3	29	2714	0.01
18ZX28-2b 17	0.0522	0.0030	0.0322	0.0018	0.0045	0.0001	32.0	2.0	28.7	0.5	12	719	0.02
18ZX28-2b 18	0.0458	0.0047	0.0429	0.0039	0.0074	0.0002	43.0	4.0	47.0	1.0	92	227	0.41
18ZX28-2b 19	0.0658	0.0081	0.0485	0.0053	0.0059	0.0002	48.0	5.0	38.0	1.0	4	85	0.02

Table S3

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\varepsilon_{\text{Hf}}(0)$	$\varepsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
Zharao monzogranites (3 samples)											
18ZX08-1-25	32	0.013650	0.000613	0.282923	0.000015	0.282923	5.3	6.0	462	726	-0.98
18ZX08-1-27	29	0.024200	0.001023	0.282954	0.000017	0.282953	6.4	7.1	423	658	-0.97
18ZX08-1-28	24.7	0.046170	0.001782	0.282838	0.000015	0.282837	2.3	2.8	599	924	-0.95
18ZX08-1-29	30.5	0.007667	0.000323	0.282930	0.000015	0.282930	5.6	6.3	448	710	-0.99
18ZX08-1-30	73	0.026320	0.001144	0.283017	0.000018	0.283015	8.7	10.2	334	488	-0.97
18ZX08-1-31	29	0.022160	0.000990	0.282933	0.000017	0.282932	5.7	6.3	452	705	-0.97
18ZX08-1-32	31.1	0.022920	0.001026	0.282839	0.000019	0.282838	2.4	3.0	586	917	-0.97
18ZX08-1-34	29.9	0.036470	0.001444	0.282894	0.000015	0.282893	4.3	4.9	513	794	-0.96
18ZX08-1-35	30.5	0.073700	0.002989	0.282955	0.000019	0.282953	6.5	7.1	444	657	-0.91
18ZX08-1-36	53	0.025000	0.001048	0.282927	0.000017	0.282926	5.5	6.6	461	705	-0.97
18ZX08-1-37	29	0.022340	0.000901	0.282866	0.000017	0.282866	3.3	3.9	546	857	-0.97
18ZX08-1-38	49.6	0.025840	0.001147	0.282935	0.000017	0.282934	5.8	6.8	451	689	-0.97
18ZX08-1-40	67	0.037350	0.001517	0.283016	0.000016	0.283014	8.6	10.0	339	495	-0.95
18ZX08-1-41	26.8	0.057300	0.002241	0.282822	0.000023	0.282821	1.8	2.3	630	959	-0.93
18ZX08-1-42	65	0.024410	0.001046	0.283012	0.000017	0.283011	8.5	9.9	340	504	-0.97
18ZX08-1-44	38	0.032500	0.001387	0.282982	0.000014	0.282981	7.4	8.2	386	589	-0.96
18ZX08-1-45	37	0.020300	0.000858	0.282809	0.000017	0.282808	1.3	2.1	626	981	-0.97
18ZX08-1-46	54	0.028720	0.001240	0.282931	0.000014	0.282930	5.6	6.8	458	695	-0.96
18ZX08-1-47	53.1	0.041300	0.001758	0.282972	0.000017	0.282970	7.1	8.2	405	604	-0.95
18ZX08-1-49	27.1	0.012004	0.000510	0.282906	0.000014	0.282906	4.7	5.3	484	767	-0.98
18ZX08-1-55	66	0.032540	0.001452	0.283000	0.000015	0.282998	8.1	9.4	361	532	-0.96
18ZX08-1-56	28	0.012340	0.000525	0.282899	0.000025	0.282899	4.5	5.1	494	782	-0.98

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX08-1-58	68.4	0.032840	0.001415	0.282977	0.000017	0.282975	7.2	8.7	394	583	-0.96
18ZX08-1-60	65	0.023810	0.001031	0.283013	0.000018	0.283012	8.5	9.9	339	502	-0.97
18ZX08-1-63	40	0.014060	0.000610	0.282960	0.000014	0.282960	6.6	7.5	409	637	-0.98
18ZX08-1-64	72	0.031440	0.001303	0.283025	0.000015	0.283023	8.9	10.5	324	471	-0.96
18ZX08-1-65	69	0.039330	0.001762	0.283048	0.000019	0.283046	9.8	11.2	294	422	-0.95
18ZX08-1-66	48.2	0.021510	0.000941	0.282956	0.000015	0.282955	6.5	7.5	419	641	-0.97
18ZX08-1-67	24.8	0.058580	0.002155	0.282853	0.000018	0.282852	2.9	3.4	583	890	-0.94
18ZX08-1-68	74	0.086800	0.003800	0.283041	0.000018	0.283036	9.5	11.0	323	442	-0.89
18ZX08-1-69	52	0.011430	0.000478	0.282935	0.000019	0.282935	5.8	6.9	443	686	-0.99
18ZX08-1-70	32.4	0.041890	0.001717	0.282918	0.000015	0.282917	5.2	5.8	483	738	-0.95
18ZX08-1-71	69	0.031100	0.001412	0.283014	0.000020	0.283012	8.6	10.0	341	498	-0.96
18ZX08-1-72	71	0.036110	0.001591	0.283039	0.000019	0.283037	9.4	10.9	306	441	-0.95
18ZX08-1-74	52.5	0.035310	0.001617	0.282979	0.000020	0.282977	7.3	8.4	393	588	-0.95
18ZX08-1-76	49	0.037600	0.001586	0.282930	0.000019	0.282929	5.6	6.6	464	701	-0.95
18ZX08-1-78	63	0.026260	0.001153	0.283001	0.000018	0.283000	8.1	9.4	357	531	-0.97
18ZX08-1-80	23.9	0.060540	0.002270	0.282795	0.000033	0.282794	0.8	1.3	670	1022	-0.93
18ZX08-1-81	66.4	0.053720	0.002188	0.283022	0.000016	0.283019	8.8	10.2	336	484	-0.93
18ZX08-1-82	65	0.017650	0.000816	0.283011	0.000018	0.283010	8.5	9.8	340	506	-0.98
18ZX08-1-88	53	0.019320	0.000838	0.282895	0.000017	0.282894	4.3	5.5	504	777	-0.97
18ZX08-1-89	23.6	0.043090	0.001681	0.282858	0.000029	0.282857	3.0	3.5	569	879	-0.95
18ZX08-1-90	49.2	0.022530	0.000958	0.282920	0.000015	0.282919	5.2	6.3	470	723	-0.97
18ZX08-1-91	31.9	0.048900	0.001861	0.282854	0.000019	0.282853	2.9	3.6	577	884	-0.94
18ZX08-1-92	66	0.041060	0.001809	0.283014	0.000018	0.283012	8.6	9.9	344	501	-0.95
18ZX08-1-93	31	0.048900	0.001857	0.282846	0.000019	0.282845	2.6	3.3	589	902	-0.94
18ZX08-1-94	28	0.032400	0.001215	0.282855	0.000016	0.282854	2.9	3.5	566	883	-0.96

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX08-1-95	65	0.028050	0.001182	0.283019	0.000018	0.283018	8.7	10.1	331	489	-0.96
18ZX08-1-96	43.5	0.077730	0.003585	0.282991	0.000017	0.282988	7.7	8.6	397	569	-0.89
18ZX08-1-97	62	0.033616	0.001426	0.282995	0.000017	0.282993	7.9	9.2	368	546	-0.96
18ZX08-1-98	40.4	0.019640	0.000888	0.282941	0.000014	0.282940	6.0	6.8	439	680	-0.97
18ZX08-1-100	51.9	0.021080	0.000922	0.282931	0.000017	0.282930	5.6	6.7	454	696	-0.97
18ZX11-1-01	52.4	0.032640	0.001288	0.282940	0.000021	0.282939	5.9	7.0	446	676	-0.96
18ZX11-1-02	55	0.039010	0.001635	0.282836	0.000019	0.282834	2.3	3.4	600	911	-0.95
18ZX11-1-03	23.9	0.053200	0.002120	0.282990	0.000073	0.282989	7.7	8.2	382	580	-0.94
18ZX11-1-04	159	0.037780	0.001532	0.282860	0.000020	0.282855	3.1	6.4	564	797	-0.95
18ZX11-1-05	32	0.039930	0.001466	0.282851	0.000015	0.282850	2.8	3.5	576	890	-0.96
18ZX11-1-06	26.9	0.032730	0.001345	0.282848	0.000019	0.282847	2.7	3.3	578	900	-0.96
18ZX11-1-07	68	0.033400	0.001346	0.283012	0.000016	0.283010	8.5	9.9	343	503	-0.96
18ZX11-1-09	173	0.018890	0.000774	0.282347	0.000019	0.282344	-15.0	-11.3	1270	1937	-0.98
18ZX11-1-10	22.9	0.072230	0.003007	0.282853	0.000015	0.282852	2.9	3.3	597	892	-0.91
18ZX11-1-11	356	0.044490	0.001858	0.282865	0.000019	0.282853	3.3	10.7	561	677	-0.94
18ZX11-1-12	46	0.020630	0.000864	0.282838	0.000018	0.282837	2.3	3.3	585	910	-0.97
18ZX11-1-13	27.1	0.061500	0.002340	0.282873	0.000074	0.282872	3.6	4.1	557	844	-0.93
18ZX11-1-14	2129	0.016864	0.000648	0.281142	0.000022	0.281116	-57.6	-11.0	2910	3389	-0.98
18ZX11-1-15	167	0.022800	0.000939	0.282204	0.000034	0.282201	-20.1	-16.5	1475	2261	-0.97
18ZX11-1-16	24.4	0.049100	0.002048	0.282844	0.000015	0.282843	2.5	3.0	595	911	-0.94
18ZX11-1-17	51	0.032930	0.001345	0.282661	0.000018	0.282660	-3.9	-2.9	845	1308	-0.96
18ZX11-1-18	21	0.077300	0.002966	0.282829	0.000027	0.282828	2.0	2.4	633	947	-0.91
18ZX11-1-19	27	0.015580	0.000645	0.282878	0.000018	0.282878	3.7	4.3	525	831	-0.98
18ZX11-1-20	48.9	0.055600	0.002172	0.282903	0.000019	0.282901	4.6	5.6	511	764	-0.93

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX11-1-21	21.7	0.049900	0.001999	0.282884	0.000029	0.282883	4.0	4.4	536	822	-0.94
18ZX11-1-22	46	0.019520	0.000673	0.282722	0.000020	0.282721	-1.8	-0.8	744	1172	-0.98
18ZX11-1-23	23	0.062200	0.002356	0.282912	0.000049	0.282911	5.0	5.4	500	758	-0.93
18ZX11-1-24	51.6	0.028250	0.001174	0.282686	0.000017	0.282685	-3.0	-1.9	805	1251	-0.96
18ZX11-1-25	20.7	0.066800	0.002669	0.282831	0.000015	0.282830	2.1	2.5	624	943	-0.92
18ZX11-1-26	51.6	0.028930	0.001128	0.282955	0.000019	0.282954	6.5	7.6	422	642	-0.97
18ZX11-1-27	23.3	0.044250	0.001740	0.282843	0.000015	0.282842	2.5	3.0	591	913	-0.95
18ZX11-1-32	50.8	0.024200	0.001020	0.282923	0.000019	0.282922	5.3	6.4	467	715	-0.97
18ZX11-1-33	28	0.079300	0.003001	0.282876	0.000015	0.282874	3.7	4.2	563	837	-0.91
18ZX11-1-34	65	0.025210	0.001084	0.282750	0.000019	0.282749	-0.8	0.6	713	1098	-0.97
18ZX11-1-35	28.1	0.025370	0.001042	0.282792	0.000022	0.282791	0.7	1.3	653	1025	-0.97
18ZX11-1-36	53	0.051630	0.002235	0.282909	0.000020	0.282907	4.8	5.9	503	748	-0.93
18ZX11-1-37	30	0.027460	0.001111	0.282932	0.000018	0.282931	5.7	6.3	455	707	-0.97
18ZX11-1-39	51	0.029360	0.001188	0.282670	0.000021	0.282669	-3.6	-2.5	828	1287	-0.96
18ZX11-1-40	29	0.027790	0.001193	0.282791	0.000018	0.282790	0.7	1.3	657	1027	-0.96
18ZX11-1-41	424	0.033740	0.001382	0.282160	0.000019	0.282149	-21.6	-12.7	1554	2212	-0.96
18ZX11-1-44	31	0.014510	0.000641	0.282912	0.000019	0.282912	5.0	5.6	477	751	-0.98
18ZX11-1-45	21.2	0.072160	0.002694	0.282838	0.000018	0.282837	2.3	2.8	614	927	-0.92
18ZX11-1-46	51.1	0.020160	0.000877	0.282868	0.000017	0.282867	3.4	4.5	543	839	-0.97
18ZX11-1-47	21.4	0.073690	0.002770	0.282864	0.000022	0.282863	3.3	3.7	577	868	-0.92
18ZX11-1-48	1052	0.020690	0.000768	0.282100	0.000021	0.282085	-23.8	-1.0	1612	1953	-0.98
18ZX11-1-49	21.5	0.083600	0.003200	0.282816	0.000043	0.282815	1.6	2.0	656	977	-0.90
18ZX11-1-50	47	0.027700	0.001053	0.282892	0.000020	0.282891	4.2	5.2	511	788	-0.97
18ZX11-1-53	46.6	0.018090	0.000744	0.282841	0.000021	0.282840	2.4	3.4	579	903	-0.98
18ZX11-1-54	21.6	0.079300	0.003002	0.282866	0.000020	0.282865	3.3	3.8	578	863	-0.91

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX11-1-57	23.5	0.034180	0.001496	0.282797	0.000020	0.282796	0.9	1.4	653	1017	-0.95
18ZX11-1-59	49.9	0.022440	0.001003	0.282882	0.000021	0.282881	3.9	5.0	524	808	-0.97
18ZX11-1-61	53	0.027180	0.001114	0.282778	0.000018	0.282777	0.2	1.3	674	1042	-0.97
18ZX11-1-62	23.6	0.125500	0.004730	0.282878	0.000018	0.282876	3.7	4.2	589	836	-0.86
18ZX11-1-64	51.2	0.034130	0.001434	0.282848	0.000020	0.282847	2.7	3.8	579	886	-0.96
18ZX11-1-65	21.6	0.044100	0.001849	0.282840	0.000024	0.282839	2.4	2.9	597	921	-0.94
18ZX11-1-66	51.7	0.048110	0.001861	0.282907	0.000023	0.282905	4.8	5.8	500	752	-0.94
18ZX11-1-73	25	0.036700	0.001482	0.282862	0.000025	0.282861	3.2	3.7	560	869	-0.96
18ZX11-1-76	26.7	0.028300	0.001050	0.282828	0.000021	0.282827	2.0	2.5	602	945	-0.97
18ZX11-1-77	50.8	0.032550	0.001307	0.282583	0.000019	0.282582	-6.7	-5.6	955	1483	-0.96
18ZX11-1-78	21	0.103700	0.003830	0.282865	0.000030	0.282863	3.3	3.7	593	866	-0.88
18ZX11-1-85	52	0.020190	0.000849	0.282931	0.000020	0.282930	5.6	6.7	453	696	-0.97
18ZX11-1-94	25.2	0.050930	0.002087	0.282856	0.000023	0.282855	3.0	3.5	578	883	-0.94
18ZX11-1-95	64.7	0.042400	0.001759	0.282748	0.000017	0.282746	-0.8	0.5	729	1105	-0.95
18ZX11-1-96	68	0.044200	0.001909	0.282751	0.000019	0.282749	-0.7	0.7	727	1096	-0.94
18ZX11-1-99	166	0.037700	0.001691	0.282857	0.000018	0.282852	3.0	6.5	570	800	-0.95
18ZX11-1-100	31.7	0.079900	0.002740	0.282853	0.000016	0.282851	2.9	3.5	593	887	-0.92
18ZX28-1 23	26.6	0.038840	0.002328	0.283576	0.000019	0.283575	28.4	29.0	-486	-764	-0.93
18ZX28-1 24	67.6	0.022700	0.000927	0.282946	0.000018	0.282945	6.2	7.6	433	652	-0.97
18ZX28-1 25	28.8	0.036790	0.001645	0.283002	0.000017	0.283001	8.1	8.7	360	549	-0.95
18ZX28-1 26	27.6	0.036940	0.002120	0.282948	0.000025	0.282947	6.2	6.8	444	673	-0.94
18ZX28-1 27	28.1	0.035300	0.001801	0.282878	0.000019	0.282877	3.7	4.3	542	831	-0.95
18ZX28-1 28	27.1	0.026370	0.001522	0.282960	0.000016	0.282959	6.6	7.2	420	646	-0.95
18ZX28-1 29	27.1	0.030030	0.001759	0.282969	0.000016	0.282968	7.0	7.5	409	625	-0.95

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX28-1 30	31	0.023760	0.001098	0.282973	0.000016	0.282972	7.1	7.8	396	613	-0.97
18ZX28-1 31	30.9	0.008490	0.000432	0.282949	0.000017	0.282949	6.3	6.9	423	667	-0.99
18ZX28-1 32	27.8	0.016360	0.000932	0.282966	0.000020	0.282966	6.9	7.5	404	631	-0.97
18ZX28-1 33	58	0.012620	0.000651	0.282939	0.000019	0.282938	5.9	7.2	439	673	-0.98
18ZX28-1 36	27.2	0.012100	0.000682	0.282926	0.000016	0.282926	5.4	6.0	458	722	-0.98
18ZX28-1 37	46.5	0.009220	0.000351	0.282814	0.000017	0.282814	1.5	2.5	610	963	-0.99
18ZX28-1 38	66.1	0.034520	0.001344	0.283001	0.000018	0.282999	8.1	9.5	359	529	-0.96
18ZX28-1 39	27.1	0.025870	0.001523	0.282942	0.000020	0.282941	6.0	6.6	445	686	-0.95
18ZX28-1 41	26.6	0.042010	0.002510	0.282956	0.000017	0.282955	6.5	7.0	437	656	-0.92
18ZX28-1 42	27	0.042290	0.002529	0.282940	0.000017	0.282939	5.9	6.5	461	692	-0.92
18ZX28-1 45	48	0.013090	0.000515	0.282827	0.000018	0.282827	1.9	3.0	595	933	-0.98
18ZX28-1 46	189	0.017155	0.000707	0.283008	0.000019	0.283006	8.3	12.4	343	437	-0.98
18ZX28-1 47	26.9	0.031940	0.001818	0.282954	0.000017	0.282953	6.4	7.0	432	660	-0.95
18ZX28-1 49	67	0.021980	0.000914	0.282993	0.000020	0.282992	7.8	9.2	366	546	-0.97
18ZX28-1 54	173	0.023800	0.000938	0.282349	0.000018	0.282346	-15.0	-11.3	1273	1934	-0.97
18ZX28-1 56	27.7	0.071400	0.002900	0.282942	0.000017	0.282941	6.0	6.6	463	688	-0.91
18ZX28-1 58	57	0.026180	0.001125	0.283022	0.000019	0.283021	8.8	10.1	327	487	-0.97
18ZX28-1 59	64	0.014340	0.000622	0.283022	0.000022	0.283021	8.8	10.2	322	481	-0.98
18ZX28-1 61	27	0.016560	0.000776	0.282962	0.000017	0.282962	6.7	7.3	408	640	-0.98
18ZX28-1 64	50.1	0.042530	0.001663	0.282870	0.000020	0.282868	3.5	4.5	551	837	-0.95
18ZX28-1 66	26.6	0.021970	0.001274	0.282937	0.000015	0.282936	5.8	6.4	450	698	-0.96
18ZX28-1 67	52.1	0.034980	0.001447	0.282896	0.000023	0.282895	4.4	5.5	511	776	-0.96
18ZX28-1 68	29.1	0.024460	0.001058	0.283036	0.000021	0.283035	9.3	10.0	306	471	-0.97
18ZX28-1 69	59	0.023670	0.000972	0.283001	0.000018	0.283000	8.1	9.4	355	533	-0.97
18ZX28-1 70	58	0.022630	0.000901	0.283011	0.000018	0.283010	8.5	9.7	340	510	-0.97

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX28-1 76	69	0.027920	0.001249	0.282966	0.000023	0.282964	6.9	8.3	408	607	-0.96
18ZX28-1 78	46.1	0.016270	0.000613	0.282797	0.000021	0.282796	0.9	1.9	638	1002	-0.98
18ZX28-1 81	47.4	0.025220	0.000984	0.282904	0.000019	0.282903	4.7	5.7	493	760	-0.97
18ZX28-1 83	58	0.031500	0.001206	0.283017	0.000019	0.283016	8.7	9.9	334	497	-0.96
18ZX28-1 84	47.3	0.016510	0.000636	0.282863	0.000020	0.282862	3.2	4.2	546	852	-0.98
18ZX28-1 88	29.9	0.009160	0.000409	0.282836	0.000021	0.282836	2.3	2.9	581	924	-0.99
18ZX28-1 91	30.1	0.028200	0.001137	0.283035	0.000020	0.283034	9.3	9.9	308	473	-0.97
18ZX28-1 93	29.2	0.088400	0.003711	0.283074	0.000027	0.283072	10.7	11.2	271	388	-0.89
18ZX28-1 101	29.6	0.036120	0.001563	0.282971	0.000033	0.282970	7.0	7.7	404	619	-0.95
Migmatitic orthogneisses (5 samples)											
18ZX09-1 01	51	0.010401	0.000449	0.282842	0.000015	0.282842	2.5	3.6	573	897	-0.99
18ZX09-1 02	50.9	0.035230	0.001508	0.282815	0.000018	0.282814	1.5	2.6	628	960	-0.95
18ZX09-1 03	50.2	0.030485	0.001266	0.282813	0.000018	0.282812	1.4	2.5	627	965	-0.96
18ZX09-1 04	50.4	0.038610	0.001605	0.282788	0.000019	0.282786	0.6	1.6	668	1022	-0.95
18ZX09-1 05	53	0.018140	0.000744	0.282714	0.000020	0.282713	-2.1	-1.0	757	1187	-0.98
18ZX09-1 06	51.8	0.037060	0.001495	0.282753	0.000018	0.282752	-0.7	0.4	717	1101	-0.95
18ZX09-1 08	50	0.016590	0.000694	0.282838	0.000018	0.282837	2.3	3.4	582	907	-0.98
18ZX09-1 09	51	0.024878	0.001082	0.282830	0.000019	0.282829	2.1	3.1	599	926	-0.97
18ZX09-1 10	50	0.039310	0.001606	0.282684	0.000019	0.282682	-3.1	-2.0	818	1257	-0.95
18ZX09-1 11	50.2	0.020830	0.000863	0.282803	0.000015	0.282802	1.1	2.2	634	986	-0.97
18ZX09-1 12	54	0.024310	0.001028	0.282867	0.000019	0.282866	3.4	4.4	546	842	-0.97
18ZX09-1 13	53	0.026200	0.001071	0.282890	0.000019	0.282889	4.2	5.3	514	790	-0.97
18ZX09-1 16	52	0.024171	0.001034	0.282837	0.000021	0.282836	2.3	3.4	589	910	-0.97
18ZX09-1 17	55	0.031170	0.001324	0.282887	0.000020	0.282886	4.1	5.1	522	797	-0.96

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX09-1 18	55	0.045100	0.001788	0.282924	0.000021	0.282922	5.4	6.4	475	714	-0.95
18ZX11-7 01	56.5	0.039180	0.001635	0.282954	0.000016	0.282952	6.4	7.5	430	645	-0.95
18ZX11-7 02	54.3	0.153200	0.006124	0.282810	0.000016	0.282804	1.3	2.3	725	981	-0.82
18ZX11-7 04	52.1	0.063200	0.002628	0.282937	0.000018	0.282934	5.8	6.9	467	686	-0.92
18ZX11-7 06	53.9	0.045790	0.002011	0.282953	0.000017	0.282951	6.4	7.5	435	648	-0.94
18ZX11-7 08	56.2	0.070300	0.002890	0.282933	0.000018	0.282930	5.7	6.7	476	695	-0.91
18ZX11-7 10	52.8	0.003720	0.000224	0.282804	0.000016	0.282804	1.1	2.3	622	982	-0.99
18ZX11-7 11	53.4	0.040860	0.001766	0.282910	0.000017	0.282908	4.9	6.0	495	745	-0.95
18ZX11-7 12	52.9	0.044300	0.001884	0.282928	0.000019	0.282926	5.5	6.6	470	705	-0.94
18ZX11-7 13	50.9	0.261000	0.010030	0.282967	0.000026	0.282957	6.9	7.7	532	634	-0.70
18ZX11-7 14	53.5	0.083900	0.003474	0.282918	0.000019	0.282915	5.2	6.2	507	731	-0.90
18ZX11-7 15	51.8	0.322000	0.013340	0.282984	0.000029	0.282971	7.5	8.2	566	602	-0.60
18ZX11-7 18	51.5	0.278600	0.011980	0.282929	0.000026	0.282917	5.6	6.3	647	724	-0.64
18ZX18-1 01	59	0.020810	0.000843	0.282661	0.000016	0.282660	-3.9	-2.6	833	1301	-0.97
18ZX18-1 02	64.1	0.022070	0.000862	0.282660	0.000019	0.282659	-4.0	-2.7	835	1304	-0.97
18ZX18-1 03	61.6	0.061360	0.002237	0.282663	0.000015	0.282660	-3.9	-2.6	862	1300	-0.93
18ZX18-1 04	61	0.031600	0.001222	0.282640	0.000020	0.282639	-4.7	-3.4	872	1350	-0.96
18ZX18-1 05	61	0.012540	0.000482	0.282676	0.000020	0.282675	-3.4	-2.1	805	1267	-0.99
18ZX18-1 06	57.7	0.036030	0.001352	0.282722	0.000015	0.282720	-1.8	-0.5	758	1165	-0.96
18ZX18-1 07	61	0.037660	0.001452	0.282661	0.000020	0.282659	-3.9	-2.7	847	1303	-0.96
18ZX18-1 08	62	0.054780	0.002072	0.282673	0.000017	0.282671	-3.5	-2.3	844	1277	-0.94
18ZX18-1 09	60.7	0.017700	0.000703	0.282696	0.000017	0.282695	-2.7	-1.4	781	1222	-0.98

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
18ZX28-2 01	46.7	0.014862	0.000553	0.283045	0.000020	0.283045	9.7	10.7	289	439	-0.98
18ZX28-2 02	44.6	0.003840	0.000176	0.283039	0.000016	0.283039	9.4	10.5	295	452	-0.99
18ZX28-2 03	48.2	0.010160	0.000397	0.283034	0.000017	0.283034	9.3	10.3	304	464	-0.99
18ZX28-2 04	46.7	0.014997	0.000582	0.283055	0.000017	0.283054	10.0	11.0	275	416	-0.98
18ZX28-2 05	47	0.012036	0.000484	0.283013	0.000018	0.283013	8.5	9.5	334	512	-0.99
18ZX28-2 06	47	0.012560	0.000479	0.283023	0.000017	0.283023	8.9	9.9	320	489	-0.99
18ZX28-2 07	35.4	0.010915	0.000442	0.283007	0.000011	0.283007	8.3	9.3	342	525	-0.99
18ZX28-2 08	47.5	0.010460	0.000413	0.283036	0.000018	0.283036	9.3	10.4	301	459	-0.99
18ZX28-2 09	48.4	0.013957	0.000555	0.283037	0.000021	0.283037	9.4	10.4	301	457	-0.98
18ZX28-2 10	46.5	0.010874	0.000429	0.283012	0.000015	0.283012	8.5	9.5	335	514	-0.99
18ZX28-2 11	47.7	0.012007	0.000469	0.282997	0.000018	0.282997	8.0	9.0	356	548	-0.99
18ZX28-2 12	47.3	0.013193	0.000513	0.283030	0.000021	0.283030	9.1	10.1	310	473	-0.98
17LZ02-1 01	64	0.021887	0.000822	0.283049	0.000016	0.283048	9.8	11.2	286	419	-0.98
17LZ02-1 02	65	0.027860	0.001029	0.283017	0.000020	0.283016	8.7	10.1	333	492	-0.97
17LZ02-1 03	64	0.011770	0.000474	0.282994	0.000016	0.282993	7.9	9.3	360	543	-0.99
17LZ02-1 04	64	0.017024	0.000692	0.282998	0.000017	0.282997	8.0	9.4	357	535	-0.98
17LZ02-1 05	64	0.014790	0.000606	0.282972	0.000018	0.282971	7.1	8.5	393	593	-0.98
17LZ02-1 07	70	0.030570	0.001185	0.283047	0.000016	0.283046	9.7	11.1	291	424	-0.96
17LZ02-1 08	69	0.026720	0.001140	0.283006	0.000020	0.283005	8.3	9.7	350	518	-0.97
17LZ02-1 09	66	0.021990	0.000856	0.283041	0.000021	0.283040	9.5	10.9	297	437	-0.97
17LZ02-1 10	63.2	0.035000	0.001383	0.282990	0.000016	0.282988	7.7	9.1	375	555	-0.96
17LZ02-1 11	70	0.021850	0.000866	0.283059	0.000021	0.283058	10.1	11.6	272	396	-0.97
17LZ02-1 12	59	0.022290	0.000857	0.283038	0.000019	0.283037	9.4	10.8	302	444	-0.97
17LZ02-1 13	67	0.023400	0.000922	0.283014	0.000019	0.283013	8.6	10.0	336	499	-0.97

Analysis	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$(^{176}\text{Hf}/^{177}\text{Hf})_i$	$\epsilon_{\text{Hf}}(0)$	$\epsilon_{\text{Hf}}(t)$	$T_{\text{DM}}(\text{Ma})$	$T_{\text{DM}}^{\text{C}}(\text{Ma})$	$f_{\text{Lu/Hf}}$
17LZ02-1 14	65	0.032030	0.001315	0.283025	0.000024	0.283023	8.9	10.3	324	475	-0.96

Table S4

Analysis	SiO₂	TiO₂	Al₂O₃	FeO	MnO	MgO	CaO	Na₂O	K₂O	Cr₂O₃	CoO	NiO	Total	X_{Mg}	X_{Fe}
17-02-1 Gt 01-1	37.60	0.01	20.93	23.74	2.59	1.88	12.45	0.01	0.01	0.00	0.02	0.01	99.25	0.07	0.51
17-02-1 Gt 01-2	37.86	0.07	21.22	24.47	2.92	1.90	12.12	0.04	0.00	0.03	0.03	0.05	100.69	0.07	0.52
17-02-1 Gt 01-3	37.35	0.11	20.39	25.55	3.29	1.92	10.73	0.03	0.00	0.05	0.06	0.00	99.47	0.08	0.54
17-02-1 Gt 01-4	37.48	0.08	20.85	23.74	3.19	1.88	11.97	0.03	0.01	0.06	0.02	0.02	99.31	0.07	0.51
17-02-1 Gt 01-5	37.53	0.00	20.98	24.76	3.35	1.79	11.60	0.05	0.03	0.00	0.00	0.02	100.09	0.07	0.52
17-02-1 Gt 01-6	37.06	0.00	21.19	24.11	3.29	1.87	11.68	0.05	0.00	0.01	0.04	0.02	99.32	0.08	0.51
17-02-1 Gt 01-7	37.76	0.10	21.12	24.25	3.18	1.89	11.52	0.04	0.01	0.00	0.08	0.00	99.94	0.07	0.53
17-02-1 Gt 01-8	36.88	0.04	20.94	23.91	3.22	1.87	11.82	0.02	0.01	0.05	0.02	0.05	98.83	0.08	0.51
17-02-1 Gt 01-9	37.41	0.06	20.63	24.09	3.25	1.80	11.91	0.03	0.01	0.08	0.05	0.00	99.30	0.07	0.51
17-02-1 Gt 01-10	37.43	0.04	20.92	25.00	2.82	2.38	10.57	0.05	0.00	0.00	0.03	0.05	99.29	0.10	0.54
17-02-1 Gt 01-11	37.25	0.06	20.81	24.25	3.12	1.86	11.77	0.04	0.00	0.00	0.07	0.01	99.23	0.07	0.52
17-02-1 Gt 01-12	37.08	0.08	20.81	24.06	3.22	1.85	12.07	0.02	0.02	0.00	0.00	0.00	99.21	0.07	0.50
17-02-1 Gt 01-13	37.37	0.00	20.79	24.04	3.36	1.85	11.73	0.05	0.01	0.00	0.02	0.07	99.28	0.07	0.51
17-02-1 Gt 01-14	36.90	0.00	20.68	24.24	3.51	1.88	11.55	0.03	0.02	0.02	0.08	0.00	98.90	0.08	0.51