

Supplementary appendix 3: LA-ICPMS U-Pb data of zircon and monazite

LA-ICPMS U-Pb data of zircons from KT7B

Spot	Th	U	Th/U	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Rho	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Concordance
KT7B_1	334.67	387.96	0.86	0.16388	0.00689	10.82593	0.57706	0.47633	0.01511	0.60	2501.85	70.68	2508.29	49.58	2511.28	65.99	99%
KT7B_2	240.49	160.69	1.50	0.16539	0.00695	10.76702	0.49989	0.47185	0.01138	0.52	2517.59	65.74	2503.22	43.17	2491.66	49.85	99%
KT7B_3	142.46	187.34	0.76	0.16196	0.00856	10.70362	0.60988	0.47807	0.01217	0.45	2476.23	89.19	2497.74	52.94	2518.84	53.09	99%
KT7B_4	137.97	163.75	0.84	0.16071	0.00885	10.66809	0.57804	0.47869	0.01403	0.54	2460.18	92.90	2494.65	50.33	2521.55	61.16	98%
KT7B_5	105.69	184.95	0.57	0.16596	0.00787	10.65132	0.57583	0.45943	0.01113	0.45	2517.59	77.32	2493.19	50.21	2437.05	49.17	97%
KT7B_6	128.32	106.11	1.21	0.16491	0.00694	10.53914	0.50133	0.46261	0.01132	0.51	2506.48	70.37	2483.37	44.15	2451.08	49.93	98%
KT7B_7	96.13	111.03	0.87	0.16889	0.00796	10.53666	0.50217	0.45534	0.01438	0.66	2546.60	81.48	2483.15	44.23	2418.94	63.72	97%
KT7B_8	181.63	170.67	1.06	0.15837	0.00641	10.28393	0.45625	0.47033	0.00950	0.46	2438.58	67.59	2460.66	41.09	2484.99	41.66	99%
KT7B_9	155.32	234.26	0.66	0.16134	0.00687	10.28050	0.50982	0.46083	0.01333	0.58	2470.05	78.71	2460.35	45.92	2443.24	58.85	99%
KT7B_10	90.37	122.14	0.74	0.16109	0.00718	10.19985	0.49839	0.45842	0.00969	0.43	2477.78	74.38	2453.06	45.21	2432.56	42.85	99%
KT7B_11	190.71	215.66	0.88	0.15754	0.00723	10.14120	0.57242	0.46375	0.01404	0.54	2429.32	76.39	2447.73	52.20	2456.08	61.85	99%
KT7B_12	198.89	201.06	0.99	0.16150	0.00874	10.06181	0.55633	0.45134	0.01024	0.41	2471.29	92.13	2440.47	51.09	2401.22	45.51	98%
KT7B_13	145.20	181.14	0.80	0.15504	0.00778	9.97778	0.60854	0.46312	0.01286	0.46	2402.16	85.18	2432.73	56.31	2453.34	56.67	99%
KT7B_14	175.23	172.36	1.02	0.15708	0.00736	9.97684	0.48717	0.46045	0.00969	0.43	2424.38	79.32	2432.64	45.09	2441.54	42.81	99%
KT7B_15	479.20	446.66	1.07	0.15558	0.00633	9.85215	0.41683	0.45701	0.01184	0.61	2409.26	72.37	2421.04	39.04	2426.36	52.39	99%
KT7B_16	115.81	180.82	0.64	0.16061	0.00763	9.83598	0.50671	0.44602	0.01342	0.58	2465.12	80.25	2419.53	47.51	2377.52	59.83	98%
KT7B_17	320.67	415.69	0.77	0.15804	0.00744	9.74736	0.48339	0.44685	0.00951	0.43	2434.87	79.47	2411.19	45.70	2381.24	42.38	98%
KT7B_18	226.06	161.32	1.40	0.15268	0.00700	9.68821	0.52712	0.45838	0.01238	0.50	2376.24	78.86	2405.59	50.10	2432.40	54.72	98%
KT7B_19	487.89	366.46	1.33	0.15133	0.00933	9.64167	0.64839	0.45848	0.01233	0.40	2360.81	105.55	2401.15	61.89	2432.84	54.52	98%
KT7B_20	96.48	194.67	0.50	0.15855	0.00711	9.83038	0.48981	0.44669	0.01128	0.51	2440.43	80.86	2419.00	45.95	2380.51	50.28	98%
KT7B_21	94.03	200.01	0.47	0.15499	0.00780	9.52184	0.50441	0.44380	0.01472	0.63	2401.54	79.63	2389.66	48.70	2367.63	65.75	99%
KT7B_22	95.00	102.41	0.93	0.15478	0.00913	9.31029	0.60316	0.43555	0.01389	0.49	2399.69	101.39	2369.03	59.42	2330.69	62.40	98%
KT7B_23	198.02	213.26	0.93	0.15440	0.00636	9.11217	0.46403	0.42566	0.01250	0.58	2390.74	68.51	2349.33	46.62	2286.13	56.55	97%
KT7B_24	122.18	145.06	0.84	0.14557	0.00919	8.98382	0.59987	0.44523	0.01163	0.39	2294.76	107.87	2336.36	61.03	2374.03	51.87	98%
KT7B_25	232.65	315.93	0.74	0.14978	0.00708	8.59895	0.43277	0.41685	0.00912	0.43	2343.53	80.40	2296.44	45.81	2246.14	41.52	97%
KT7B_26	145.14	140.86	1.03	0.17945	0.00918	12.15507	0.70158	0.49306	0.01318	0.46	2647.84	69.76	2616.45	54.18	2583.89	56.92	98%
KT7B_27	179.28	178.39	1.01	0.17299	0.00737	12.06850	0.64103	0.50255	0.01591	0.60	2586.73	71.15	2609.74	49.84	2624.76	68.25	99%
KT7B_28	148.48	216.21	0.69	0.17195	0.00785	11.14586	0.57685	0.46561	0.01134	0.47	2576.86	78.09	2535.40	48.26	2464.29	49.90	97%
KT7B_29	218.84	288.66	0.76	0.16987	0.00868	10.84988	0.58441	0.45910	0.01106	0.45	2557.10	85.80	2510.35	50.11	2435.58	48.86	96%
KT7B_30	149.51	135.83	1.10	0.17066	0.00839	10.71010	0.55630	0.45553	0.01189	0.50	2563.89	89.82	2498.30	48.27	2419.79	52.67	96%
KT7B_31	108.11	120.18	0.90	0.15209	0.00884	10.21618	0.64537	0.48093	0.01689	0.56	2368.52	99.84	2454.54	58.45	2531.31	73.52	96%
KT7B_32	122.20	189.46	0.64	0.16131	0.00742	9.75200	0.51200	0.43709	0.01088	0.47	2469.44	77.78	2411.63	48.38	2337.62	48.81	96%
KT7B_33	121.33	168.77	0.72	0.14911	0.00651	9.66657	0.45853	0.47047	0.01490	0.67	2335.50	70.37	2403.53	43.68	2485.64	65.34	96%
KT7B_34	70.76	129.68	0.55	0.16235	0.00672	9.64147	0.43868	0.43034	0.00978	0.50	2480.55	75.16	2401.14	41.89	2307.25	44.09	96%
KT7B_35	212.54	273.46	0.78	0.15827	0.00712	9.53672	0.49858	0.43039	0.01144	0.51	2438.89	68.05	2391.09	48.07	2307.48	51.57	96%
KT7B_36	106.25	136.12	0.78	0.14356	0.00744	7.80386	0.42016	0.39358	0.00807	0.38	2272.23	84.10	2208.65	48.48	2139.40	37.36	96%
KT7B_37	263.20	302.81	0.87	0.17114	0.00762	10.40884	0.52521	0.44113	0.00944	0.42	2568.83	58.33	2471.84	46.77	2355.71	42.26	95%
KT7B_38	61.02	103.74	0.59	0.16919	0.00747	10.23877	0.61883	0.43697	0.01905	0.72	2549.69	77.78	2456.59	55.93	2337.06	85.48	95%
KT7B_39	155.00	249.47	0.62	0.16485	0.00796	9.90852	0.48548	0.43301	0.01309	0.62	2505.86	76.23	2426.30	45.22	2319.27	58.88	95%
KT7B_40	214.29	159.50	1.34	0.15668	0.00670	9.11531	0.45701	0.41809	0.01231	0.59	2420.06	68.05	2349.65	45.90	2251.82	55.99	95%
KT7B_41	189.24	181.01	1.05	0.15429	0.00711	10.60196	0.59036	0.49707	0.01621	0.59	2394.14	78.39	2488.88	51.70	2601.20	69.82	95%
KT7B_42	350.66	265.39	1.32	0.15399	0.00900	8.74265	0.58067	0.40991	0.01417	0.52	2391.05	99.38	2311.53	60.54	2214.51	64.80	95%
KT7B_43	277.63	245.29	1.13	0.15078	0.00716	8.26396	0.44985	0.39825	0.01265	0.58	2354.64	81.48	2260.38	49.33	2160.96	58.32	95%
KT7B_44	137.98	195.31	0.71	0.14592	0.00686	7.87739	0.38364	0.39119	0.01016	0.53	2298.46	75.62	2217.10	43.91	2128.33	47.07	95%

KT7B_45	189.03	202.51	0.93	0.16380	0.00633	9.48312	0.41202	0.41891	0.00874	0.48	2495.37	64.51	2385.91	39.94	2255.53	39.73	94%
KT7B_46	196.99	260.17	0.76	0.16130	0.00749	9.39203	0.50626	0.41956	0.01574	0.70	2469.44	77.77	2377.05	49.49	2258.50	71.50	94%
KT7B_47	150.51	223.31	0.67	0.17594	0.00791	10.53346	0.48541	0.43639	0.00863	0.43	2616.67	32.87	2482.87	42.77	2334.45	38.76	93%
KT7B_48	99.44	168.84	0.59	0.15233	0.01222	9.08767	0.59027	0.40731	0.02039	0.77	2372.53	137.04	2346.87	59.44	2202.61	93.42	93%
KT7B_49	94.89	268.64	0.35	0.15184	0.00764	7.82662	0.42146	0.36933	0.01076	0.54	2362.66	85.02	2211.27	48.51	2026.23	50.69	91%
KT7B_50	187.47	237.26	0.79	0.15929	0.00785	8.30823	0.45584	0.37524	0.01071	0.52	2447.83	84.26	2265.22	49.75	2054.01	50.20	90%
KT7B_51	115.26	180.35	0.64	0.15290	0.00879	7.74280	0.53008	0.36444	0.01573	0.63	2388.89	102.62	2201.58	61.58	2003.19	74.34	90%
KT7B_52	147.75	199.01	0.74	0.17872	0.00942	10.01364	0.63755	0.40357	0.01271	0.49	2642.60	75.62	2436.04	58.80	2185.46	58.38	89%
KT7B_53	53.56	78.13	0.69	0.15484	0.00708	7.43930	0.37402	0.34869	0.00865	0.49	2800.00	77.16	2165.71	45.02	1928.33	41.38	88%
KT7B_54	112.63	131.10	0.86	0.14276	0.00737	6.46446	0.43731	0.32566	0.01496	0.68	2260.81	88.43	2041.08	59.50	1817.32	72.76	88%
KT7B_55	218.32	255.42	0.85	0.17440	0.00971	9.40354	0.71201	0.38630	0.01637	0.56	2611.11	76.55	2378.18	69.51	2105.64	76.13	87%
KT7B_56	214.68	345.36	0.62	0.13576	0.00623	5.74737	0.36624	0.30280	0.01318	0.68	2173.77	77.93	1938.52	55.13	1705.16	65.21	87%
KT7B_57	124.34	199.87	0.62	0.15911	0.00887	7.68813	0.48025	0.34530	0.01202	0.56	2445.98	86.88	2195.22	56.15	1912.10	57.61	86%
KT7B_58	49.54	57.15	0.87	0.08159	0.01242	1.00091	0.12501	0.09449	0.00438	0.37	1235.18	619.60	704.27	63.44	582.02	25.83	80%
KT7B_59	82.07	118.38	0.69	0.10149	0.00590	2.25021	0.14887	0.16001	0.00460	0.43	1651.54	107.71	1196.85	46.52	956.84	25.59	77%
KT7B_60	30.29	179.07	0.17	0.11515	0.00900	3.20855	0.31718	0.19325	0.01052	0.55	1883.34	138.27	1459.22	76.53	1138.97	56.82	75%
KT7B_61	72.98	155.69	0.47	0.10889	0.01534	3.57146	0.52925	0.18966	0.01259	0.45	1781.17	258.64	1543.21	117.56	1119.51	68.23	68%

LA-ICPMS U-Pb data of zircons from KT9B																	
Spot	Th	U	Th/U	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Rho	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Concordance
KT9B_1	162.44	202.99	0.80	0.17367	0.00815	11.43488	0.52380	0.47275	0.01320	0.61	2586.73	79.48	2559.28	42.81	2495.59	57.79	97%
KT9B_2	177.46	190.22	0.93	0.16201	0.00935	11.09087	0.73045	0.48651	0.01785	0.56	2476.85	85.18	2530.79	61.37	2555.57	77.42	99%
KT9B_3	52.86	77.78	0.68	0.16882	0.01052	11.05207	0.70337	0.46581	0.01270	0.43	2545.98	103.86	2527.53	59.28	2465.14	55.86	97%
KT9B_4	104.83	149.64	0.70	0.16287	0.00969	10.84319	0.65672	0.47940	0.01367	0.47	2487.04	96.15	2509.78	56.33	2524.67	59.60	99%
KT9B_5	91.64	148.64	0.62	0.16440	0.01174	10.69450	0.74346	0.46819	0.01413	0.43	2501.54	97.38	2496.95	64.57	2475.61	62.07	99%
KT9B_6	297.74	306.50	0.97	0.16607	0.01272	10.61309	0.80109	0.45483	0.01172	0.34	2518.21	129.01	2489.85	70.06	2416.68	51.94	97%
KT9B_7	85.22	108.05	0.79	0.15596	0.00776	10.52275	0.60535	0.48687	0.01529	0.55	2412.04	84.57	2481.92	53.37	2557.13	66.29	97%
KT9B_8	192.76	231.37	0.83	0.16165	0.01118	10.51754	0.72036	0.46601	0.01582	0.50	2473.14	93.98	2481.47	63.53	2466.03	69.59	99%
KT9B_9	182.04	275.52	0.66	0.15809	0.00817	10.50984	0.52926	0.47371	0.01604	0.67	2423.76	87.96	2480.79	46.72	2499.81	70.17	99%
KT9B_10	105.84	129.04	0.82	0.16303	0.00733	10.43467	0.48182	0.45853	0.01239	0.58	2479.63	77.01	2474.13	42.82	2433.05	54.76	98%
KT9B_11	122.35	148.26	0.83	0.15673	0.00839	10.38377	0.54138	0.47244	0.01211	0.49	2420.68	90.58	2469.60	48.32	2494.27	53.04	99%
KT9B_12	116.18	135.82	0.86	0.16385	0.00832	10.36675	0.59830	0.45570	0.01273	0.48	2495.99	84.72	2468.08	53.47	2420.54	56.41	98%
KT9B_13	97.18	165.62	0.59	0.16337	0.00757	10.31735	0.54771	0.45186	0.01722	0.72	2491.05	75.31	2463.66	49.17	2403.53	76.47	97%
KT9B_14	130.40	168.55	0.77	0.15945	0.00761	10.26579	0.51050	0.46073	0.01159	0.51	2449.69	75.31	2459.03	46.04	2442.80	51.19	99%
KT9B_15	206.02	289.84	0.71	0.15954	0.00666	10.22586	0.45035	0.46047	0.01032	0.51	2450.92	65.28	2455.42	40.77	2441.62	45.56	99%
KT9B_16	77.51	80.78	0.96	0.15656	0.00957	10.09666	0.64993	0.46548	0.01284	0.43	2420.37	95.68	2443.67	59.49	2463.72	56.51	99%
KT9B_17	221.74	297.35	0.75	0.16216	0.01044	10.06946	0.63094	0.44425	0.01233	0.44	2479.63	92.90	2441.17	57.90	2369.64	55.03	97%
KT9B_18	86.77	116.90	0.74	0.15614	0.00713	9.97472	0.45062	0.45764	0.01402	0.68	2414.50	75.92	2432.45	41.72	2429.14	62.01	99%
KT9B_19	139.51	189.05	0.74	0.15516	0.00683	9.69795	0.48612	0.44862	0.01194	0.53	2403.39	74.22	2406.51	46.17	2389.11	53.13	99%
KT9B_20	115.72	156.01	0.74	0.15687	0.00695	9.63083	0.52536	0.44599	0.01937	0.80	2421.91	74.54	2400.12	50.21	2377.40	86.34	99%
KT9B_21	132.52	227.53	0.58	0.15537	0.00684	9.45248	0.47333	0.43647	0.01444	0.66	2388.58	73.61	2382.94	46.01	2334.82	64.83	97%
KT9B_22	81.46	186.90	0.44	0.15386	0.00778	9.43967	0.52685	0.44325	0.01389	0.56	2388.58	83.33	2381.70	51.27	2365.17	62.05	99%
KT9B_23	129.42	155.86	0.83	0.15562	0.00826	9.40807	0.46545	0.43184	0.01286	0.60	2408.34	89.66	2378.62	45.44	2314.03	57.92	97%
KT9B_24	152.49	137.53	1.11	0.15401	0.00742	9.22749	0.45970	0.43012	0.01089	0.51	2391.05	82.87	2360.85	45.67	2306.25	49.11	97%
KT9B_25	259.94	316.48	0.82	0.15045	0.00616	9.15587	0.37360	0.43708	0.00987	0.55	2350.93	72.22	2353.71	37.39	2337.56	44.29	99%
KT9B_26	842.24	393.37	2.14	0.14369	0.00651	9.08818	0.47338	0.45360	0.01578	0.67	2261.12	77.47	2346.92	47.67	2411.24	69.97	97%
KT9B_27	208.26	338.66	0.61	0.14780	0.00624	9.06976	0.39965	0.44045	0.01115	0.57	2320.69	75.47	2345.06	40.33	2352.65	49.94	99%
KT9B_28	85.22	160.15	0.53	0.14934	0.00713	8.93900	0.46086	0.42970	0.01175	0.53	2338.59	81.48	2331.79	47.11	2304.35	52.99	98%

KT9B_29	145.63	133.95	1.09	0.14543	0.00718	8.80575	0.44661	0.43413	0.01026	0.47	2294.45	88.43	2318.09	46.27	2324.29	46.12	99%
KT9B_30	120.16	176.54	0.68	0.14532	0.00676	8.46864	0.41141	0.41870	0.01231	0.60	2268.21	75.78	2282.57	44.15	2254.57	55.93	98%
KT9B_31	261.32	351.98	0.74	0.16497	0.00992	10.19536	0.60821	0.44417	0.01480	0.56	2507.10	87.04	2452.66	55.19	2369.27	66.08	96%
KT9B_32	209.03	238.48	0.88	0.15830	0.00795	9.37922	0.49557	0.42661	0.01063	0.47	2438.89	82.25	2375.80	48.51	2290.42	48.05	96%
KT9B_33	206.45	315.97	0.65	0.16518	0.00926	10.17961	0.55181	0.44018	0.01174	0.49	2509.57	99.08	2451.23	50.15	2351.45	52.58	95%
KT9B_34	93.52	95.37	0.98	0.16153	0.00887	9.95363	0.49558	0.44031	0.01000	0.46	2471.91	92.59	2430.49	45.97	2352.03	44.77	96%
KT9B_35	938.27	589.70	1.59	0.15995	0.00778	9.90735	0.44756	0.44044	0.01086	0.55	2438.89	82.25	2426.19	41.70	2352.59	48.60	96%
KT9B_36	207.31	233.05	0.89	0.16071	0.01045	9.89319	0.64781	0.44015	0.01016	0.35	2464.81	88.58	2424.87	60.41	2351.32	45.51	96%
KT9B_37	103.92	200.85	0.52	0.14967	0.00591	9.85656	0.42387	0.47294	0.01360	0.67	2342.29	69.91	2421.45	39.68	2496.43	59.54	96%
KT9B_38	161.06	147.40	1.09	0.16039	0.00642	9.75076	0.42872	0.43590	0.01212	0.63	2461.11	69.14	2411.51	40.52	2332.27	54.44	96%
KT9B_39	238.86	218.11	1.10	0.17054	0.00742	10.72462	0.44010	0.44729	0.00949	0.52	2564.81	72.23	2499.56	38.15	2383.19	42.27	95%
KT9B_40	245.06	236.77	1.04	0.15714	0.00856	9.40068	0.49155	0.42426	0.01141	0.51	2425.00	91.51	2377.90	48.02	2279.80	51.67	95%
KT9B_41	140.93	207.76	0.68	0.17093	0.00851	10.55007	0.50116	0.44264	0.01171	0.56	2562.04	83.65	2484.33	44.09	2362.46	52.34	94%
KT9B_42	259.85	286.13	0.91	0.16546	0.00758	10.11928	0.54921	0.43302	0.01570	0.67	2500.00	77.16	2445.73	50.18	2319.31	70.64	94%
KT9B_43	407.05	498.90	0.82	0.16120	0.00635	9.46017	0.37555	0.42073	0.00957	0.57	2468.20	67.59	2383.69	36.49	2263.80	43.44	94%
KT9B_44	118.61	186.55	0.64	0.16000	0.00810	9.22479	0.50514	0.41454	0.01025	0.45	2454.63	80.55	2360.58	50.19	2235.66	46.72	94%
KT9B_45	458.92	371.02	1.24	0.16072	0.01215	9.29909	0.69186	0.41350	0.01092	0.35	2464.81	100.62	2367.93	68.23	2230.92	49.80	94%
KT9B_46	211.81	291.34	0.73	0.15854	0.00808	8.96115	0.49989	0.40666	0.00913	0.40	2439.81	85.18	2334.05	50.98	2199.62	41.85	94%
KT9B_47	150.92	194.48	0.78	0.15896	0.00840	8.91877	0.44967	0.40229	0.00894	0.44	2455.55	79.63	2329.72	46.06	2179.59	41.13	93%
KT9B_48	195.75	239.56	0.82	0.15769	0.00851	8.72932	0.48392	0.39727	0.00821	0.37	2431.17	81.02	2310.14	50.53	2156.45	37.90	93%
KT9B_49	544.02	588.72	0.92	0.15167	0.00748	8.17489	0.41854	0.38579	0.00929	0.47	2365.13	81.94	2250.57	46.35	2103.28	43.23	93%
KT9B_50	156.78	315.26	0.50	0.15207	0.00914	8.11051	0.48538	0.38311	0.00958	0.42	2369.45	84.26	2243.42	54.12	2090.81	44.66	92%
KT9B_51	125.68	131.18	0.96	0.15070	0.00786	7.70960	0.40071	0.36662	0.00919	0.48	2354.02	81.48	2197.72	46.74	2013.45	43.36	91%
KT9B_52	280.67	267.46	1.05	0.17410	0.00866	10.19548	0.55059	0.41710	0.01349	0.60	2597.23	78.09	2452.67	49.96	2247.30	61.40	91%
KT9B_53	59.37	145.04	0.41	0.14251	0.00957	6.77373	0.43104	0.34158	0.00985	0.45	2257.72	115.28	2082.30	56.32	1894.26	47.33	90%
KT9B_54	184.94	156.16	1.18	0.18161	0.02974	9.99469	0.97686	0.40822	0.01679	0.42	2667.60	273.61	2434.29	90.23	2206.78	76.87	90%
KT9B_55	67.98	96.68	0.70	0.16130	0.00759	8.57539	0.44521	0.37896	0.01201	0.61	2469.44	75.92	2293.95	47.24	2071.44	56.15	89%
KT9B_56	168.40	257.17	0.65	0.16838	0.00727	9.19677	0.37267	0.39068	0.01083	0.68	2542.59	71.30	2357.79	37.14	2125.97	50.24	89%
KT9B_57	91.76	175.43	0.52	0.16954	0.00792	9.14758	0.44736	0.38533	0.01189	0.63	2552.78	68.37	2352.88	44.79	2101.13	55.35	88%
KT9B_58	101.21	185.86	0.54	0.15083	0.00684	6.80133	0.29659	0.32388	0.00769	0.54	2355.25	78.86	2085.90	38.63	1808.64	37.46	85%
KT9B_59	208.03	308.45	0.67	0.17772	0.01495	7.01169	0.50576	0.30482	0.01968	0.90	2631.79	140.13	2112.91	64.11	1715.17	97.26	79%
KT9B_60	155.93	259.98	0.60	0.12957	0.00853	4.65344	0.41232	0.24695	0.01557	0.71	2092.28	115.58	1758.91	74.06	1422.75	80.49	78%
KT9B_61	129.06	170.20	0.76	0.10732	0.00647	2.85340	0.26858	0.18458	0.01144	0.66	1754.01	110.65	1369.71	70.78	1091.97	62.26	77%
KT9B_62	152.78	290.25	0.53	0.14401	0.01056	4.89842	0.45619	0.23821	0.01113	0.50	2276.24	116.21	1801.98	78.54	1377.38	57.93	73%

LA-ICPMS U-Pb data of monazites from KT7B																	
	Th	U	Th/U	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Rho	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Concordance
KT 7B_1	149816.26	923.99	162.14	0.06205	0.00444	0.87405	0.08038	0.10183	0.00449	0.48	675.94	149.83	637.76	43.55	625.12	26.28	98%
KT 7B_2	70226.57	2878.55	162.14	0.06475	0.00364	0.86434	0.06241	0.09750	0.00381	0.54	766.36	118.51	632.49	33.99	599.74	22.37	94%
KT 7B_3	79512.80	3981.97	162.14	0.05931	0.00318	0.77948	0.05340	0.09527	0.00354	0.54	588.92	121.28	585.19	30.47	586.62	20.85	99%
KT 7B_4	82220.60	2607.27	162.14	0.05845	0.00282	0.77931	0.04264	0.09650	0.00323	0.61	546.33	105.54	585.09	24.33	593.87	19.02	98%
KT 7B_5	74362.20	4267.59	162.14	0.05957	0.00325	0.77274	0.05978	0.09377	0.00500	0.69	587.07	118.50	581.33	34.24	577.82	29.46	99%
KT 7B_6	68329.86	2890.45	162.14	0.05724	0.00270	0.76963	0.04658	0.09695	0.00457	0.78	501.89	108.32	579.55	26.73	596.50	26.86	97%
KT 7B_7	123874.75	1778.94	162.14	0.05885	0.00411	0.76321	0.06275	0.09413	0.00499	0.64	561.15	119.43	575.86	36.14	579.93	29.41	99%
KT 7B_8	108014.48	1630.09	162.14	0.05962	0.00560	0.75699	0.08753	0.09190	0.00492	0.46	575.96	204.45	572.27	50.59	566.77	29.02	99%
KT 7B_9	177698.24	539.28	162.14	0.05834	0.00601	0.74656	0.09388	0.09235	0.00507	0.44	542.63	225.90	566.23	54.58	569.42	29.90	96%
KT 7B_10	91293.60	647.13	162.14	0.05783	0.00512	0.74617	0.06838	0.09389	0.00425	0.49	524.11	194.42	566.00	39.77	578.48	25.05	97%
KT 7B_11	83584.22	1849.66	162.14	0.05675	0.00519	0.74226	0.08813	0.09482	0.00666	0.59	483.38	203.68	563.72	51.36	583.97	39.23	96%

KT 7B_12	70435.42	3352.75	162.14	0.05747	0.00315	0.74206	0.04982	0.09430	0.00334	0.53	509.30	122.21	563.61	29.04	580.89	19.67	96%
KT 7B_13	79500.92	2262.10	162.14	0.05619	0.00309	0.74168	0.04267	0.09517	0.00314	0.57	461.16	122.21	563.39	24.88	586.02	18.50	96%
KT 7B_14	91947.52	2466.05	162.14	0.05917	0.00354	0.73883	0.08976	0.09054	0.00884	0.80	575.96	129.61	561.72	52.42	558.71	52.27	96%
KT 7B_15	76342.55	4144.94	162.14	0.05545	0.00255	0.72679	0.05349	0.09460	0.00563	0.81	431.53	103.70	554.67	31.46	582.68	33.18	95%
KT 7B_16	77060.68	1054.28	162.14	0.05575	0.00320	0.72539	0.04793	0.09354	0.00348	0.56	442.64	127.77	553.84	28.21	576.41	20.52	96%
KT 7B_17	68736.87	2036.83	162.14	0.05484	0.00359	0.72451	0.04771	0.09531	0.00357	0.57	405.61	146.28	553.32	28.10	586.85	21.03	94%
KT 7B_18	84169.65	2308.28	162.14	0.05727	0.00520	0.72251	0.07039	0.09173	0.00479	0.54	501.89	206.46	552.15	41.49	565.76	28.28	94%
KT 7B_19	91793.50	3528.29	162.14	0.05718	0.00257	0.64225	0.03811	0.08152	0.00300	0.62	498.19	99.99	503.70	23.56	505.20	17.91	96%
KT 7B_20	77501.67	2681.94	162.14	0.05136	0.00301	0.63611	0.05702	0.08965	0.00493	0.61	257.47	135.17	499.89	35.39	553.47	29.16	98%
KT 7B_21	76008.03	2512.75	162.14	0.05053	0.00307	0.58606	0.04304	0.08389	0.00439	0.71	220.44	140.72	468.35	27.56	519.29	26.09	99%
KT 7B_22	78403.24	1732.73	162.14	0.06502	0.00402	0.86160	0.05873	0.09592	0.00429	0.66	775.93	131.47	630.99	32.04	590.44	25.26	93%
KT 7B_23	80107.26	2235.97	162.14	0.06552	0.00414	0.85989	0.06984	0.09577	0.00373	0.48	790.74	133.33	630.06	38.13	589.56	21.97	93%
KT 7B_24	74640.23	2679.39	162.14	0.05548	0.00460	0.69963	0.09576	0.09074	0.00767	0.62	431.53	185.16	538.57	57.21	559.94	45.30	93%
KT 7B_25	90393.22	3621.75	162.14	0.05303	0.00315	0.56925	0.03864	0.07806	0.00297	0.56	331.54	135.17	457.53	25.00	484.53	17.78	93%
KT 7B_26	68505.64	2776.06	162.14	0.06482	0.00395	0.86522	0.06015	0.09664	0.00466	0.69	768.52	128.23	632.97	32.75	594.71	27.38	93%
KT 7B_27	74529.60	2663.85	162.14	0.05348	0.00255	0.69645	0.04324	0.09422	0.00453	0.78	350.06	107.40	536.67	25.88	580.43	26.71	92%
KT 7B_28	105417.17	3104.90	162.14	0.05311	0.00384	0.60344	0.04827	0.08258	0.00320	0.49	331.54	169.42	479.42	30.57	511.51	19.08	92%
KT 7B_29	65098.57	5056.98	162.14	0.05135	0.00365	0.55478	0.04765	0.07845	0.00353	0.52	257.47	164.79	448.12	31.12	486.86	21.10	91%
KT 7B_30	80563.51	3187.08	162.14	0.05273	0.00395	0.66418	0.07357	0.09141	0.00707	0.70	316.73	139.80	517.17	44.89	563.84	41.74	89%
KT 7B_31	72579.98	2907.24	162.14	0.05483	0.00390	0.64488	0.05449	0.08506	0.00455	0.63	466.71	163.87	505.33	33.64	526.26	27.03	89%
KT 7B_32	79130.09	4244.39	162.14	0.05313	0.00309	0.61934	0.04160	0.08463	0.00274	0.48	344.50	131.46	489.44	26.09	523.72	16.27	85%

LA-ICPMS U-Pb data of monazites from KT9B

KT 9B_1	17552.11	175.08	162.14	0.05866	0.00391	0.62598	0.04287	0.07718	0.00222	0.42	553.74	135.17	493.59	26.77	479.29	13.27	97%
KT 9B_2	157915.29	1535.16	162.14	0.06369	0.00373	0.79908	0.05908	0.09079	0.00350	0.52	731.49	119.43	596.31	33.35	560.23	20.69	93%
KT 9B_3	137953.48	720.68	162.14	0.05929	0.00351	0.72026	0.04543	0.08877	0.00358	0.64	575.96	129.61	550.82	26.82	548.28	21.20	99%
KT 9B_4	164723.45	860.50	162.14	0.06357	0.00372	0.78051	0.06383	0.08870	0.00526	0.73	727.79	128.69	585.78	36.40	547.82	31.15	93%
KT 9B_5	148613.90	868.19	162.14	0.05640	0.00326	0.68761	0.04152	0.08869	0.00311	0.58	477.82	123.14	531.36	24.98	547.81	18.43	96%
KT 9B_6	144283.78	764.95	162.14	0.05807	0.00374	0.71003	0.05333	0.08865	0.00436	0.66	531.52	174.98	544.76	31.67	547.55	25.84	99%
KT 9B_7	144214.08	831.04	162.14	0.05960	0.00405	0.72715	0.05722	0.08862	0.00386	0.55	590.77	148.13	554.88	33.64	547.39	22.86	98%
KT 9B_8	128490.80	1704.47	162.14	0.06102	0.00344	0.74898	0.05210	0.08850	0.00377	0.61	638.91	122.21	567.63	30.25	546.67	22.32	96%
KT 9B_9	136162.95	1550.17	162.14	0.05878	0.00378	0.70839	0.05870	0.08824	0.00650	0.89	566.70	140.72	543.79	34.89	545.12	38.53	99%
KT 9B_10	135684.07	1519.03	162.14	0.06144	0.00307	0.74511	0.04120	0.08789	0.00338	0.70	653.72	112.02	565.38	23.98	543.07	20.02	95%
KT 9B_11	142501.99	2495.88	162.14	0.06041	0.00303	0.73357	0.05227	0.08779	0.00405	0.65	616.69	109.24	558.65	30.62	542.44	24.03	97%
KT 9B_12	182675.05	1046.76	162.14	0.05864	0.00294	0.71056	0.05247	0.08773	0.00484	0.75	553.74	111.10	545.08	31.15	542.07	28.66	99%
KT 9B_13	140787.67	1419.56	162.14	0.06262	0.00328	0.79284	0.05076	0.09155	0.00320	0.55	694.46	107.24	592.78	28.75	564.67	18.90	95%
KT 9B_14	157617.57	3337.53	162.14	0.06258	0.00292	0.79159	0.07328	0.09165	0.00712	0.84	694.46	99.99	592.07	41.53	565.30	42.02	95%
KT 9B_15	94350.91	3440.66	162.14	0.05743	0.00527	0.76775	0.08555	0.09694	0.00673	0.62	509.30	199.05	578.47	49.14	596.43	39.57	96%
KT 9B_16	94350.91	3440.66	162.14	0.05743	0.00527	0.76775	0.08555	0.09694	0.00673	0.62	509.30	199.05	578.47	49.14	596.43	39.57	96%
KT 9B_17	149726.79	725.20	162.14	0.06055	0.00414	0.75753	0.06175	0.09233	0.00679	0.90	633.35	143.50	572.58	35.68	569.31	40.07	99%
KT 9B_18	143400.73	1730.44	162.14	0.06000	0.00291	0.74897	0.04154	0.09069	0.00346	0.69	603.41	105.54	567.63	24.12	559.62	20.42	98%
KT 9B_19	127531.41	1549.23	162.14	0.06000	0.00364	0.74778	0.05378	0.09052	0.00392	0.60	603.41	133.32	566.93	31.25	558.62	23.19	98%
KT 9B_20	112770.15	2729.70	162.14	0.05944	0.00381	0.74345	0.07480	0.09027	0.00700	0.77	583.36	138.87	564.42	43.56	557.12	41.36	98%
KT 9B_21	155659.95	5408.98	162.14	0.05942	0.00259	0.74031	0.03898	0.09046	0.00356	0.75	583.36	96.28	562.59	22.75	558.28	21.06	99%
KT 9B_22	145679.21	828.82	162.14	0.05810	0.00376	0.73927	0.05007	0.09258	0.00279	0.45	600.03	173.13	561.98	29.23	570.77	16.49	98%
KT 9B_23	162640.60	1972.89	162.14	0.05828	0.00445	0.73708	0.07341	0.09187	0.00853	0.93	538.93	128.69	560.70	42.91	566.59	50.38	98%
KT 9B_24	137818.44	2810.83	162.14	0.05991	0.00296	0.73393	0.04493	0.08883	0.00433	0.80	611.13	109.24	558.86	26.31	548.63	25.65	98%
KT 9B_25	13633.89	205.66	162.14	0.06084	0.00394	0.72660	0.05944	0.08657	0.00501	0.71	635.20	131.46	554.56	34.96	535.23	29.73	96%

KT 9B_26	153757.09	1618.90	162.14	0.05911	0.00349	0.71727	0.04861	0.08912	0.00534	0.88	572.26	127.76	549.06	28.75	550.33	31.62	99%
KT 9B_27	137097.80	1043.78	162.14	0.05751	0.00368	0.71435	0.04854	0.09054	0.00383	0.62	522.26	145.35	547.32	28.75	558.72	22.64	97%
KT 9B_28	164287.58	1344.64	162.14	0.05995	0.00426	0.71002	0.05894	0.08629	0.00520	0.73	611.13	152.60	544.76	35.00	533.53	30.88	97%
KT 9B_29	89422.59	5728.69	162.14	0.05704	0.00424	0.70000	0.04745	0.08766	0.00403	0.68	494.49	164.79	538.79	28.35	541.71	23.90	99%
KT 9B_30	106003.68	2175.28	162.14	0.05839	0.00497	0.69872	0.07268	0.08677	0.00545	0.60	542.63	172.20	538.02	43.44	536.40	32.32	99%
KT 9B_31	148543.33	412.44	162.14	0.05712	0.00493	0.69068	0.06804	0.08767	0.00345	0.40	494.49	190.72	533.21	40.87	541.74	20.43	98%
KT 9B_32	106581.02	4049.52	162.14	0.05812	0.00404	0.68482	0.07992	0.08330	0.00540	0.56	600.03	152.76	529.68	48.16	515.82	32.13	97%
KT 9B_33	141357.59	2361.09	162.14	0.05750	0.00428	0.68286	0.07750	0.08521	0.00650	0.67	509.30	161.09	528.50	46.76	527.14	38.62	99%
KT 9B_34	22714.52	219.47	162.14	0.05720	0.00419	0.66499	0.05812	0.08423	0.00474	0.64	498.19	154.61	517.66	35.45	521.30	28.18	99%
KT 9B_35	102077.58	5363.09	162.14	0.05717	0.00287	0.65594	0.04375	0.08315	0.00453	0.82	498.19	111.10	512.13	26.83	514.89	26.93	99%