

Appendix 1 U–Pb isotopic data for zircon analyzed in this study. All errors are 2σ . Analyses shown with shadow are discordant and are not included in the probability density plots and histograms.

Sample Tkl1	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
	Tkl-1	0.03529 ± 0.00086	0.2534 ± 0.0207	223.6 ± 5.4	229.3 ± 18.8	0.85	0.00	0.02854 ± 0.00080	0.2382 ± 0.0217	181.4 ± 5.1	216.9 ± 19.8	0.41
Tkl-2	0.01927 ± 0.00049	0.1384 ± 0.0122	123.1 ± 3.1	131.6 ± 11.6	0.97	0.13	0.03031 ± 0.00088	0.2307 ± 0.0234	192.5 ± 5.6	210.7 ± 21.4	0.37	0.96
Tkl-3	0.03648 ± 0.00070	0.3433 ± 0.0149	231.0 ± 4.4	299.7 ± 13.0	0.10	0.00	0.02919 ± 0.00072	0.2051 ± 0.0157	185.5 ± 4.6	189.4 ± 14.5	0.41	0.00
Tkl-4	0.38155 ± 0.00712	7.1934 ± 0.2426	2083.5 ± 38.9	2135.6 ± 72.0	0.14	0.28	0.02849 ± 0.00066	0.1916 ± 0.0171	181.1 ± 4.2	178.0 ± 15.8	0.41	0.49
Tkl-5	0.02608 ± 0.00062	0.1890 ± 0.0151	166.0 ± 4.0	175.7 ± 14.0	0.30	0.47	0.02791 ± 0.00065	0.1979 ± 0.0172	177.5 ± 4.1	183.4 ± 16.0	0.47	0.00
Tkl-6	0.03186 ± 0.00065	0.2133 ± 0.0123	202.2 ± 4.1	196.3 ± 11.3	0.34	0.00	0.03994 ± 0.00090	0.3110 ± 0.0247	252.4 ± 5.7	275.0 ± 21.8	0.44	0.14
Tkl-7	0.03011 ± 0.00072	0.2170 ± 0.0166	191.2 ± 4.6	199.4 ± 15.2	0.47	0.00	0.01852 ± 0.00046	0.1143 ± 0.0118	118.3 ± 3.0	109.9 ± 11.3	0.96	1.30
Tkl-8	0.04674 ± 0.00107	0.3501 ± 0.0206	294.4 ± 6.7	304.8 ± 17.9	0.71	0.66	0.04075 ± 0.00099	0.4408 ± 0.0344	257.5 ± 6.2	370.8 ± 29.0	0.67	1.77
Tkl-9	0.51205 ± 0.01081	11.7248 ± 0.3842	2665.4 ± 56.3	2582.6 ± 84.6	0.90	0.25	0.01976 ± 0.00048	0.1589 ± 0.0142	126.1 ± 3.1	149.8 ± 13.4	0.64	3.27
Tkl-10	0.26776 ± 0.00536	4.1106 ± 0.1228	1529.4 ± 30.6	1656.3 ± 49.5	0.13	0.25	0.02809 ± 0.00068	0.2458 ± 0.0208	178.6 ± 4.3	223.1 ± 18.8	0.66	0.00
Tkl-11	0.01741 ± 0.00048	0.1302 ± 0.0117	111.3 ± 3.0	124.3 ± 11.1	0.68	0.92	0.04031 ± 0.00085	0.2733 ± 0.1436	254.8 ± 5.4	245.4 ± 128.9	0.13	0.00
Tkl-12	0.03617 ± 0.00081	0.2563 ± 0.0119	229.0 ± 5.1	231.7 ± 10.8	0.47	0.00	0.03096 ± 0.00077	0.2805 ± 0.2669	196.6 ± 4.9	251.0 ± 238.9	0.38	0.34
Tkl-13	0.40076 ± 0.00864	6.7239 ± 0.2232	2172.5 ± 46.8	2075.7 ± 68.9	0.17	0.57	0.03312 ± 0.00089	0.2232 ± 0.3897	210.1 ± 5.6	204.6 ± 357.2	0.41	4.01
Tkl-14	0.33715 ± 0.00718	5.3352 ± 0.1698	1872.9 ± 39.9	1874.4 ± 59.6	0.25	0.10	0.02020 ± 0.00074	0.1221 ± 0.6061	128.9 ± 4.7	117.0 ± 580.6	0.48	0.93
Tkl-15	0.03267 ± 0.00081	0.2202 ± 0.0152	207.2 ± 5.1	202.0 ± 14.0	0.54	0.02	0.03059 ± 0.00088	0.1690 ± 0.4596	194.2 ± 5.6	158.5 ± 431.2	0.45	0.39
Tkl-16	0.35767 ± 0.00944	5.9751 ± 0.3450	1971.1 ± 52.0	1972.2 ± 113.9	1.43	0.43	0.35227 ± 0.00821	5.5006 ± 1.7846	1945.4 ± 45.4	1900.6 ± 616.7	1.07	0.00
Tkl-17	0.03169 ± 0.00100	0.2229 ± 0.0255	201.1 ± 6.4	204.3 ± 23.4	0.37	2.17	0.03010 ± 0.00070	0.2476 ± 0.1969	191.2 ± 4.5	224.6 ± 178.6	0.50	1.86
Tkl-18	0.02842 ± 0.00082	0.2131 ± 0.0203	180.6 ± 5.2	196.1 ± 18.7	0.55	4.04	0.02771 ± 0.00067	0.1659 ± 0.2149	176.2 ± 4.3	155.9 ± 201.9	0.47	0.56
Tkl-19	0.03482 ± 0.00058	0.2660 ± 0.0143	220.6 ± 3.7	239.5 ± 12.9	0.59	1.02	0.07972 ± 0.00225	0.5319 ± 1.0710	494.5 ± 14.0	433.0 ± 872.0	0.56	1.00
Tkl-20	0.02770 ± 0.00064	0.1916 ± 0.0180	176.1 ± 4.1	178.0 ± 16.7	0.28	0.00	0.03069 ± 0.00106	0.3111 ± 0.0374	194.9 ± 6.7	275.0 ± 33.0	0.39	1.53
Tkl-21	0.01804 ± 0.00076	0.1462 ± 0.0260	115.3 ± 4.9	138.6 ± 24.6	0.86	0.00	0.02267 ± 0.00070	0.1415 ± 0.0182	144.5 ± 4.5	134.4 ± 17.3	0.80	0.00
Tkl-22	0.02716 ± 0.00051	0.1878 ± 0.0129	172.8 ± 3.3	174.7 ± 12.0	0.55	0.71	0.02981 ± 0.00062	0.2054 ± 0.0128	189.4 ± 4.0	189.6 ± 11.8	0.41	0.51
Tkl-23	0.03291 ± 0.00065	0.2374 ± 0.0173	208.8 ± 4.1	216.3 ± 15.8	0.46	0.37	0.02824 ± 0.00066	0.1890 ± 0.0152	179.5 ± 4.2	175.8 ± 14.1	0.40	1.13
Tkl-24	0.03435 ± 0.00070	0.2441 ± 0.0186	217.7 ± 4.4	221.8 ± 16.9	0.51	0.00	0.37348 ± 0.00655	6.1049 ± 0.1751	2045.7 ± 35.9	1990.9 ± 57.1	0.13	0.00
Tkl-25	0.01746 ± 0.00071	0.1196 ± 0.0205	111.6 ± 4.6	114.7 ± 19.7	0.67	1.34	0.03091 ± 0.00101	0.2582 ± 0.0313	196.2 ± 6.4	233.2 ± 28.3	0.53	0.00
Tkl-26	0.02793 ± 0.00069	0.2352 ± 0.0175	177.6 ± 4.4	214.5 ± 15.9	0.24	0.90	0.03781 ± 0.00085	0.2869 ± 0.0202	239.3 ± 5.4	256.1 ± 18.1	0.39	0.00
Tkl-27	0.31549 ± 0.00610	4.9122 ± 0.1510	1767.7 ± 34.2	1804.3 ± 55.5	1.12	0.05	0.01957 ± 0.00060	0.1424 ± 0.0172	124.9 ± 3.9	135.1 ± 16.3	0.60	0.86
Tkl-28	0.02648 ± 0.00073	0.1717 ± 0.0174	168.5 ± 4.7	160.8 ± 16.3	0.41	0.00	0.03271 ± 0.00126	0.2267 ± 0.0371	207.5 ± 8.0	207.5 ± 33.9	0.56	0.00
Tkl-29	0.28412 ± 0.00563	4.5394 ± 0.1528	1612.1 ± 31.9	1738.2 ± 58.5	0.18	0.02	0.03068 ± 0.00086	0.2022 ± 0.0165	194.8 ± 5.5	186.9 ± 15.3	0.42	0.31
Tkl-30	0.03023 ± 0.00095	0.2563 ± 0.0281	192.0 ± 6.0	231.7 ± 25.4	0.39	0.00	0.03257 ± 0.00099	0.2135 ± 0.0211	206.6 ± 6.3	196.5 ± 19.4	0.34	0.00
Tkl-31	0.03558 ± 0.00081	0.2476 ± 0.0161	225.4 ± 5.1	224.6 ± 14.6	0.29	0.16	0.01908 ± 0.00071	0.1366 ± 0.0187	121.8 ± 4.5	130.0 ± 17.8	0.49	0.00
Tkl-32	0.02916 ± 0.00073	0.2021 ± 0.0160	185.3 ± 4.6	186.9 ± 14.8	0.24	0.48	0.01815 ± 0.00064	0.1307 ± 0.0166	116.0 ± 4.1	124.7 ± 15.8	0.50	3.16
Tkl-33	0.01997 ± 0.00079	0.1252 ± 0.0217	127.5 ± 5.0	119.7 ± 20.8	0.64	0.00	0.02911 ± 0.00096	0.2097 ± 0.0234	185.0 ± 6.1	193.3 ± 21.6	0.90	0.00
Tkl-34	0.30993 ± 0.00635	4.7877 ± 0.1733	1740.4 ± 35.6	1782.7 ± 64.5	0.12	0.00	0.03145 ± 0.00081	0.2106 ± 0.0130	199.6 ± 5.1	194.1 ± 12.0	0.21	0.00
Tkl-35	0.02875 ± 0.00071	0.2201 ± 0.0164	182.7 ± 4.5	202.0 ± 15.0	0.60	0.12	0.02867 ± 0.00078	0.2901 ± 0.0186	182.2 ± 5.0	258.7 ± 16.6	0.39	0.00
Tkl-36	0.03203 ± 0.00092	0.2257 ± 0.0231	203.2 ± 5.8	206.6 ± 21.1	0.34	0.24	0.35773 ± 0.00963	5.6334 ± 0.1866	1971.4 ± 53.1	1921.2 ± 63.7	0.65	0.03
Tkl-37	0.01759 ± 0.00060	0.1393 ± 0.0177	112.4 ± 3.8	132.4 ± 16.8	1.03	0.00	0.03872 ± 0.00147	0.5278 ± 0.0520	244.9 ± 9.3	430.3 ± 42.4	1.04	2.90
Tkl-38	0.02770 ± 0.00067	0.2119 ± 0.0150	176.1 ± 4.2	195.2 ± 13.8	0.28	1.16	0.04195 ± 0.00140	0.3240 ± 0.0311	264.9 ± 8.9	285.0 ± 27.4	0.60	1.07
Tkl-39	0.02774 ± 0.00089	0.2306 ± 0.0229	176.4 ± 5.6	210.7 ± 20.9	0.80	0.00	0.02743 ± 0.00085	0.1861 ± 0.0153	174.5 ± 5.4	173.3 ± 14.2	0.30	0.00
Tkl-40	0.02973 ± 0.00088	0.2043 ± 0.0182	188.9 ± 5.6	188.8 ± 16.8	0.86	0.94	0.02991 ± 0.00112	0.2616 ± 0.0302	190.0 ± 7.1	236.0 ± 27.3	0.56	0.00
Tkl-41	0.02883 ± 0.00073	0.2101 ± 0.0111	183.2 ± 4.6	193.7 ± 10.2	0.20	0.00	0.04120 ± 0.00115	0.2762 ± 0.0139	260.2 ± 7.2	247.6 ± 12.5	0.54	0.00
Tkl-42	0.32158 ± 0.00766	5.2484 ± 0.1655	1797.4 ± 42.8	1860.5 ± 58.7	0.11	0.02	0.32098 ± 0.00790	5.0294 ± 0.2304	1794.5 ± 44.2	1824.2 ± 83.6	0.33	0.00
Tkl-43	0.04170 ± 0.00135	0.3951 ± 0.0379	263.4 ± 8.5	338.0 ± 32.5	0.78	2.43	0.03953 ± 0.00195	0.2669 ± 0.0516	249.9 ± 12.4	240.2 ± 46.5	0.10	0.00
Tkl-44	0.02919 ± 0.00085	0.2079 ± 0.0178	185.4 ± 5.4	191.8 ± 16.4	0.51	0.00	0.03362 ± 0.00125	0.2443 ± 0.0282	213.1 ± 7.9	221.9 ± 25.6	0.65	0.00
Tkl-45	0.02748 ± 0.00037	0.2257 ± 0.0102	174.8 ± 2.4	206.6 ± 9.4	0.22	0.60	0.04501 ± 0.00150	0.3713 ± 0.0312	283.8 ± 9.5	320.6 ± 27.0	0.84	0.36
Tkl-46	0.03852 ± 0.00061	0.2835 ± 0.0173	243.6 ± 3.9	253.4 ± 15.5	0.52	0.64	0.02266 ± 0.00085	0.2059 ± 0.0223	144.4 ± 5.4	190.1 ± 20.6	0.71	2.96
Tkl-47	0.03991 ± 0.00058	0.2880 ± 0.0157	252.2 ± 3.7	257.0 ± 14.0	0.36	0.47	0.04280 ± 0.00136	0.3250 ± 0.0237	270.2 ± 8.6	285.8 ± 20.9	0.45	0.00
Tkl-48	0.02917 ± 0.00044	0.1918 ± 0.0111	185.3 ± 2.8	178.1 ± 10.4	0.32	0.02	0.02159 ± 0.00084	0.1664 ± 0.0206	137.7 ± 5.3	156.3 ± 19.3	0.55	0.00
Tkl-49	0.32363 ± 0.00355	5.0992 ± 0.1297	1807.4 ± 19.8	1835.9 ± 46.7	0.19	0.02	0.29266 ± 0.00841	4.6321 ± 0.1731	1654.8 ± 47.5	1755.0 ± 65.6	0.31	0.06
Tkl-50	0.03471 ± 0.00063	0.2669 ± 0.0193	220.0 ± 4.0	240.2 ± 17.3	0.52	0.33	0.01907 ± 0.00061	0.2026 ± 0.0139	121.8 ± 3.9	187.3 ± 12.9	0.95	0.16
Tkl-51	0.03992 ± 0.00073	0.2847 ± 0.0211	252.3 ± 4.6	254.4 ± 18.8	0.77	0.00	0.03787 ± 0.00127	0.3009 ± 0.0261	239.6 ± 8.0	267.1 ± 23.2	0.53	0.00
Tkl-52	0.03182 ± 0.00132	0.2341 ± 0.0442	201.9 ± 8.4	213.6 ± 40.3	0.55	0.00	0.02994 ± 0.00125	0.2072 ± 0.2732	190.2 ± 8.0	191.2 ± 252.1	0.68	0.00
Tkl-53	0.04278 ± 0.00182	0.3688 ± 0.0610	270.0 ± 11.5	318.7 ± 52.7	0.89	0.00	0.03726 ± 0.00113	0.2933 ± 0.0693	235.8 ± 7.1	261.1 ± 61.7	0.39	1.42
Tkl-54	0.02693 ± 0.00075	0.1699 ± 0.0174	171.3 ± 4.8	159.3 ± 16.3	0.34	0.39	0.03143 ± 0.00100	0.1898 ± 0.0865	199.5 ± 6.4	176.5 ± 80.4	0.28	0.00
Tkl-55	0.02898 ± 0.00074	0.1984 ± 0.0164	184.2 ± 4.7	183.8 ± 15.2	0.31	0.00	0.03179 ± 0.00106	0.2212 ± 0.1121	201.8 ± 6.7	202.9 ± 102.8	0.37	0.17
Tkl-56	0.02854 ± 0.00080	0.2382 ± 0.0217	181.4 ± 5.1	216.9 ± 19.8	0.41	1.11	0.02319 ± 0.00075	0.1517 ± 0.0705	147.8 ± 4.8	143.4 ± 66.6	0.65	1.01

	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)		$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
Tk1-112	0.02069 ± 0.00073	0.1253 ± 0.1001	132.0 ± 4.7	119.9 ± 95.7	0.65	0.00	Tk2-4	0.02653 ± 0.00063	0.2090 ± 0.0127	168.8 ± 4.0	192.7 ± 11.7	0.33	2.00
Tk1-113	0.03045 ± 0.00097	0.2156 ± 0.0841	193.3 ± 6.2	198.2 ± 77.4	0.34	0.00	Tk2-5	0.02713 ± 0.00094	0.2147 ± 0.0271	172.6 ± 6.0	197.5 ± 24.9	0.41	0.07
Tk1-114	0.02926 ± 0.00084	0.2071 ± 0.0324	185.9 ± 5.3	191.1 ± 29.9	0.43	0.49	Tk2-6	0.03256 ± 0.00138	0.2040 ± 0.0371	206.5 ± 8.7	188.5 ± 34.3	0.48	3.47
Tk1-115	0.03025 ± 0.00077	0.2221 ± 0.0175	192.1 ± 4.9	203.7 ± 16.1	0.39	0.00	Tk2-7	0.03407 ± 0.00101	0.2104 ± 0.0239	216.0 ± 6.4	193.8 ± 22.0	0.47	1.63
Tk1-116	0.03036 ± 0.00086	0.2048 ± 0.0207	192.8 ± 5.5	189.2 ± 19.1	0.43	3.07	Tk2-8	0.02276 ± 0.00055	0.2044 ± 0.0138	145.1 ± 3.5	188.8 ± 12.7	0.27	2.74
Tk1-117	0.03277 ± 0.00094	0.2435 ± 0.0239	207.8 ± 6.0	221.3 ± 21.7	0.31	0.89	Tk2-9	0.30852 ± 0.00614	4.9717 ± 0.1494	1733.4 ± 34.5	1814.5 ± 54.5	0.34	0.06
Tk1-118	0.03402 ± 0.00092	0.2677 ± 0.0232	215.6 ± 5.8	240.8 ± 20.9	0.52	0.31	Tk2-10	0.03772 ± 0.00088	0.2675 ± 0.0176	238.7 ± 5.5	240.7 ± 15.9	0.13	0.31
Tk1-119	0.03174 ± 0.00078	0.2411 ± 0.0174	201.4 ± 5.0	219.3 ± 15.8	0.58	0.29	Tk2-11	0.02665 ± 0.00063	0.1870 ± 0.0133	169.5 ± 4.0	174.0 ± 12.3	0.33	0.89
Tk1-120	0.03371 ± 0.00090	0.3062 ± 0.0246	213.7 ± 5.7	271.2 ± 21.8	0.41	1.12	Tk2-12	0.02649 ± 0.00126	0.2283 ± 0.0424	168.6 ± 8.0	208.8 ± 38.7	0.54	0.00
Tk1-121	0.02153 ± 0.00070	0.1440 ± 0.0182	137.3 ± 4.5	136.6 ± 17.2	0.67	3.08	Tk2-13	0.02786 ± 0.00075	0.2130 ± 0.0206	177.1 ± 4.8	196.0 ± 19.0	0.41	0.00
Tk1-122	0.03906 ± 0.00115	0.2853 ± 0.0294	247.0 ± 7.2	254.8 ± 26.2	0.10	0.00	Tk2-14	0.04048 ± 0.00139	0.2919 ± 0.0409	255.8 ± 8.8	260.0 ± 36.4	0.64	2.21
Tk1-123	0.01862 ± 0.00050	0.1434 ± 0.0146	118.9 ± 3.2	136.1 ± 13.8	0.54	2.50	Tk2-15	0.02747 ± 0.00054	0.2185 ± 0.0108	174.7 ± 3.4	200.6 ± 9.9	0.18	0.89
Tk1-124	0.01860 ± 0.00044	0.1292 ± 0.0116	118.8 ± 2.8	123.4 ± 11.1	0.77	0.49	Tk2-16	0.22418 ± 0.00402	3.4461 ± 0.1048	1303.9 ± 23.4	1514.9 ± 46.1	0.27	0.33
Tk1-125	0.03063 ± 0.00078	0.2040 ± 0.0208	194.5 ± 5.0	188.5 ± 19.2	0.22	2.84	Tk2-17	0.31587 ± 0.00629	4.9757 ± 0.2034	1769.5 ± 35.3	1815.1 ± 74.2	1.61	0.00
Tk1-126	0.01839 ± 0.00043	0.1171 ± 0.0107	117.5 ± 2.8	112.4 ± 10.3	0.79	0.00	Tk2-18	0.02755 ± 0.00068	0.2381 ± 0.0190	175.2 ± 4.3	216.8 ± 17.3	0.41	2.46
Tk1-127	0.03947 ± 0.00080	0.2857 ± 0.0191	249.5 ± 5.0	255.2 ± 17.1	0.44	0.09	Tk2-19	0.36550 ± 0.00641	6.3231 ± 0.1711	2008.2 ± 35.2	2021.6 ± 54.7	0.17	0.31
Tk1-128	0.03086 ± 0.00056	0.2200 ± 0.0119	195.9 ± 3.6	201.9 ± 10.9	0.44	0.00	Tk2-20	0.30542 ± 0.00408	4.7950 ± 0.1354	1718.1 ± 22.9	1784.0 ± 50.4	0.30	0.09
Tk1-129	0.03431 ± 0.00070	0.2335 ± 0.0162	217.5 ± 4.4	213.1 ± 14.8	0.27	0.00	Tk2-21	0.27438 ± 0.00332	4.3723 ± 0.0947	1563.0 ± 18.9	1707.1 ± 37.0	0.10	0.00
Tk1-130	0.02995 ± 0.00073	0.2114 ± 0.0195	190.2 ± 4.6	194.7 ± 17.9	0.86	1.83	Tk2-22	0.02678 ± 0.00063	0.2687 ± 0.0226	170.4 ± 4.0	241.7 ± 20.3	0.42	2.40
Tk1-131	0.03116 ± 0.00065	0.2693 ± 0.0179	197.8 ± 4.1	242.1 ± 16.1	0.42	1.55	Tk2-23	0.02647 ± 0.00052	0.2541 ± 0.0171	168.4 ± 3.3	229.9 ± 15.4	0.15	3.20
Tk1-132	0.01960 ± 0.00055	0.1425 ± 0.0153	125.1 ± 3.5	135.2 ± 14.6	0.85	0.00	Tk2-24	0.01819 ± 0.00043	0.1174 ± 0.0121	116.2 ± 2.8	112.7 ± 11.6	0.59	2.29
Tk1-133	0.03800 ± 0.00075	0.2772 ± 0.0152	240.5 ± 4.8	248.4 ± 13.6	0.37	0.28	Tk2-25	0.02732 ± 0.00043	0.1861 ± 0.0102	173.7 ± 2.7	173.3 ± 9.5	0.40	0.50
Tk1-134	0.03197 ± 0.00081	0.2343 ± 0.0214	202.8 ± 5.1	213.8 ± 19.5	0.34	1.14	Tk2-26	0.03242 ± 0.00082	0.2127 ± 0.0235	205.7 ± 5.2	195.8 ± 21.6	0.61	0.35
Tk1-135	0.03011 ± 0.00084	0.1982 ± 0.0219	191.2 ± 5.3	183.6 ± 20.3	0.58	0.85	Tk2-27	0.02496 ± 0.00074	0.2261 ± 0.0260	158.9 ± 4.7	207.0 ± 23.8	0.54	2.22
Tk1-136	0.03144 ± 0.00090	0.3097 ± 0.0301	199.5 ± 5.7	273.9 ± 26.6	0.64	3.64	Tk2-28	0.04302 ± 0.00077	0.3062 ± 0.0200	271.5 ± 4.9	271.2 ± 17.7	0.33	0.69
Tk1-137	0.03026 ± 0.00077	0.2581 ± 0.0224	192.2 ± 4.9	233.1 ± 20.2	0.60	0.00	Tk2-29	0.02776 ± 0.00056	0.1885 ± 0.0152	176.5 ± 3.6	175.4 ± 14.1	0.44	0.72
Tk1-138	0.03328 ± 0.00096	0.2305 ± 0.0264	211.1 ± 6.1	210.6 ± 24.1	0.36	0.00	Tk2-30	0.03221 ± 0.00068	0.3468 ± 0.0244	204.4 ± 4.3	302.3 ± 21.3	0.28	2.24
Tk1-139	0.03449 ± 0.00083	0.2690 ± 0.0217	218.6 ± 5.2	241.9 ± 19.5	0.77	0.87	Tk2-31	0.03412 ± 0.00054	0.2414 ± 0.0128	216.3 ± 3.4	219.5 ± 11.6	0.31	0.00
Tk1-140	0.02092 ± 0.00066	0.2093 ± 0.0269	133.5 ± 4.2	192.9 ± 24.8	0.55	3.95	Tk2-32	0.03471 ± 0.00141	0.4498 ± 0.0635	220.0 ± 8.9	377.1 ± 53.2	0.47	0.03
Tk1-141	0.04514 ± 0.00093	0.3451 ± 0.0272	284.6 ± 5.9	301.0 ± 23.7	0.13	0.44	Tk2-33	0.04525 ± 0.00093	0.3268 ± 0.0193	285.3 ± 5.8	287.1 ± 17.0	0.18	0.00
Tk1-142	0.02708 ± 0.00063	0.2532 ± 0.0221	172.2 ± 4.0	229.2 ± 20.0	2.31	0.00	Tk2-34	0.03567 ± 0.00089	0.2759 ± 0.0234	225.9 ± 5.6	247.4 ± 20.9	0.24	1.10
Tk1-143	0.03087 ± 0.00063	0.3051 ± 0.0213	196.0 ± 4.0	270.4 ± 18.9	0.63	4.43	Tk2-35	0.30460 ± 0.00561	4.7106 ± 0.1684	1714.1 ± 31.6	1769.1 ± 63.2	0.49	0.41
Tk1-144	0.03245 ± 0.00066	0.2385 ± 0.0188	205.8 ± 4.2	217.2 ± 17.2	0.61	0.77	Tk2-36	0.04155 ± 0.00148	0.3340 ± 0.0460	262.4 ± 9.4	292.6 ± 40.3	0.80	1.14
Tk1-145	0.04299 ± 0.00072	0.3165 ± 0.0175	271.3 ± 4.5	279.2 ± 15.5	0.13	0.41	Tk2-37	0.29649 ± 0.00547	4.7129 ± 0.1684	1673.9 ± 30.9	1769.5 ± 63.2	0.45	0.00
Tk1-146	0.02885 ± 0.00056	0.2162 ± 0.0157	183.3 ± 3.6	198.8 ± 14.4	0.42	0.89	Tk2-38	0.40712 ± 0.00559	8.0062 ± 0.2266	2201.7 ± 30.3	2231.6 ± 63.2	0.50	0.81
Tk1-147	0.03743 ± 0.00067	0.3742 ± 0.0205	236.9 ± 4.3	322.7 ± 17.7	0.96	4.56	Tk2-39	0.02939 ± 0.00058	0.2223 ± 0.0170	186.7 ± 3.7	203.8 ± 15.6	0.30	2.23
Tk1-148	0.02851 ± 0.00046	0.2036 ± 0.0103	181.2 ± 2.9	188.1 ± 9.5	0.48	2.16	Tk2-40	0.03004 ± 0.00082	0.3287 ± 0.0322	190.8 ± 5.2	288.5 ± 28.2	0.60	0.18
Tk1-149	0.03846 ± 0.00103	0.2897 ± 0.0323	243.3 ± 6.5	258.4 ± 28.8	0.40	0.00	Tk2-41	0.02675 ± 0.00054	0.1965 ± 0.0157	170.2 ± 3.4	182.2 ± 14.5	0.45	0.00
Tk1-150	0.04304 ± 0.00086	0.3268 ± 0.0256	271.7 ± 5.4	287.1 ± 22.5	0.56	0.42	Tk2-42	0.02915 ± 0.00057	0.2550 ± 0.0180	185.2 ± 3.6	230.6 ± 16.3	0.45	0.71
Tk1-151	0.04129 ± 0.00061	0.2956 ± 0.0152	260.8 ± 3.8	262.9 ± 13.5	0.28	0.60	Tk2-43	0.02956 ± 0.00075	0.2702 ± 0.0197	187.8 ± 4.8	242.9 ± 17.7	0.25	0.91
Tk1-152	0.03174 ± 0.00045	0.2405 ± 0.0116	201.4 ± 2.9	218.8 ± 10.5	0.38	0.00	Tk2-44	0.24486 ± 0.00523	3.9814 ± 0.1590	1411.9 ± 30.2	1630.4 ± 65.1	0.64	0.13
Tk1-153	0.02557 ± 0.00042	0.2290 ± 0.0128	162.8 ± 2.7	209.4 ± 11.7	0.14	0.02	Tk2-45	0.34833 ± 0.00751	5.9031 ± 0.2397	1926.6 ± 41.5	1961.6 ± 79.6	1.69	0.00
Tk1-154	0.01844 ± 0.00043	0.1310 ± 0.0129	117.8 ± 2.8	125.0 ± 12.3	0.64	0.00	Tk2-46	0.03272 ± 0.00108	0.2833 ± 0.0327	207.5 ± 6.8	253.2 ± 29.2	0.35	0.00
Tk1-155	0.03409 ± 0.00077	0.2347 ± 0.0223	216.1 ± 4.9	214.1 ± 20.3	0.53	0.00	Tk2-47	0.03681 ± 0.00078	0.2538 ± 0.0117	233.0 ± 4.9	229.7 ± 10.6	0.17	0.58
Tk1-156	0.01990 ± 0.00056	0.1641 ± 0.0188	127.0 ± 3.6	154.3 ± 17.7	0.60	1.13	Tk2-48	0.02595 ± 0.00061	0.1926 ± 0.0122	165.2 ± 3.9	178.8 ± 11.4	0.55	0.75
Tk1-157	0.02882 ± 0.00084	0.2786 ± 0.0314	183.1 ± 5.3	249.5 ± 28.1	0.56	2.29	Tk2-49	0.02509 ± 0.00069	0.2039 ± 0.0182	159.7 ± 4.4	188.5 ± 16.8	0.42	1.52
Tk1-158	0.03044 ± 0.00044	0.2201 ± 0.0119	193.3 ± 2.8	202.0 ± 10.9	0.46	0.00	Tk2-50	0.31320 ± 0.00469	4.9380 ± 0.1637	1756.4 ± 26.3	1808.7 ± 60.0	0.12	0.03
Tk1-159	0.03041 ± 0.00055	0.2794 ± 0.0187	193.1 ± 3.5	250.1 ± 16.8	0.62	2.08	Tk2-51	0.19955 ± 0.00301	3.0553 ± 0.1037	1172.9 ± 17.7	1421.5 ± 48.2	0.17	0.10
Tk1-160	0.03026 ± 0.00068	0.3303 ± 0.0267	192.2 ± 4.3	289.8 ± 23.4	0.39	1.09	Tk2-52	0.02813 ± 0.00047	0.1963 ± 0.0103	178.8 ± 3.0	182.0 ± 9.6	0.16	0.26
Tk1-161	0.26543 ± 0.00293	4.1311 ± 0.1163	1517.6 ± 16.7	1660.4 ± 46.8	0.13	0.07	Tk2-53	0.03163 ± 0.00096	0.2847 ± 0.0332	200.7 ± 6.1	254.4 ± 29.6	0.33	2.73
Tk1-162	0.02833 ± 0.00049	0.1951 ± 0.0138	180.1 ± 3.1	181.0 ± 12.8	0.52	0.81	Tk2-54	0.04078 ± 0.00079	0.3499 ± 0.0221	257.7 ± 5.0	304.6 ± 19.3	0.36	0.53
Tk1-163	0.33283 ± 0.00428	5.1977 ± 0.1826	1852.1 ± 23.8	1852.2 ± 65.1	0.42	0.00	Tk2-55	0.02778 ± 0.00060	0.2121 ± 0.0169	176.6 ± 3.8	195.3 ± 15.6	0.23	1.63
Sample Tk2							Tk2-56	0.02783 ± 0.00062	0.2146 ± 0.0175	176.9 ± 3.9	197.4 ± 16.1	0.63	0.54
Tk2-1	0.02673 ± 0.00067	0.2025 ± 0.0146	170.1 ± 4.3	187.3 ± 13.5	0.49	0.00	Tk2-57	0.03007 ± 0.00090	0.2811 ± 0.0315	191.0 ± 5.7	251.5 ± 28.2	0.28	4.42
Tk2-2	0.02787 ± 0.00083	0.2401 ± 0.0228	177.2 ± 5.2	218.5 ± 20.7	0.40	1.42	Tk2-58	0.37296 ± 0.01044	7.1771 ± 0.2885	2043.3 ± 57.2	2133.6 ± 85.8	1.07	0.11
Tk2-3	0.02610 ± 0.00080	0.1697 ± 0.0193	166.1 ± 5.1	159.2 ± 18.1	0.56	1.33	Tk2-59	0.27544 ± 0.00784	4.4077 ± 0.1927	1568.3 ± 44.6	1713.7 ± 74.9	0.14	0.37

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)		²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Tk2-60	0.02758 ± 0.00096	0.2060 ± 0.0212	175.4 ± 6.1	190.2 ± 19.5	0.38	1.71	Tk2-116	0.02155 ± 0.00064	0.1832 ± 0.0175	137.4 ± 4.1	170.8 ± 16.3	0.57	1.90
Tk2-61	0.03844 ± 0.00113	0.2707 ± 0.0164	243.2 ± 7.2	243.2 ± 14.7	0.14	0.52	Tk2-117	0.04047 ± 0.00088	0.2848 ± 0.0127	255.8 ± 5.6	254.5 ± 11.3	0.35	0.04
Tk2-62	0.03424 ± 0.00118	0.2742 ± 0.0270	217.0 ± 7.5	246.1 ± 24.2	0.33	1.05	Tk2-118	0.04136 ± 0.00103	0.3084 ± 0.0213	261.2 ± 6.5	272.9 ± 18.8	0.13	0.59
Tk2-63	0.03222 ± 0.00097	0.2354 ± 0.0158	204.5 ± 6.2	214.7 ± 14.4	0.52	0.09	Tk2-119	0.03085 ± 0.00087	0.1966 ± 0.0194	195.9 ± 5.5	182.2 ± 18.0	0.36	0.10
Tk2-64	0.02757 ± 0.00096	0.2267 ± 0.0225	175.3 ± 6.1	207.5 ± 20.6	0.49	1.82	Tk2-120	0.02939 ± 0.00087	0.2055 ± 0.0214	186.7 ± 5.5	189.8 ± 19.7	0.45	1.19
Tk2-65	0.01813 ± 0.00055	0.1525 ± 0.0168	115.8 ± 3.5	144.1 ± 15.9	1.38	0.00	Tk2-121	0.02837 ± 0.00065	0.2654 ± 0.0185	180.4 ± 4.1	239.0 ± 16.7	0.45	3.24
Tk2-66	0.02845 ± 0.00084	0.2368 ± 0.0248	180.8 ± 5.3	215.8 ± 22.6	0.36	0.78	Tk2-122	0.32226 ± 0.00528	5.0224 ± 0.1150	1800.7 ± 29.5	1823.0 ± 41.7	0.13	0.11
Tk2-67	0.02779 ± 0.00073	0.1820 ± 0.0179	176.7 ± 4.7	169.8 ± 16.7	0.85	0.00	Tk2-123	0.30633 ± 0.00502	4.8387 ± 0.1105	1722.6 ± 28.2	1791.6 ± 40.9	0.12	0.09
Tk2-68	0.03325 ± 0.00074	0.3037 ± 0.0189	210.8 ± 4.7	269.2 ± 16.8	0.72	0.80	Tk2-124	0.03776 ± 0.00072	0.3022 ± 0.0149	238.9 ± 4.5	268.1 ± 13.2	0.25	0.72
Tk2-69	0.03954 ± 0.00101	0.3123 ± 0.0267	250.0 ± 6.4	275.9 ± 23.6	0.34	1.02	Tk2-125	0.02810 ± 0.00068	0.1918 ± 0.0167	178.7 ± 4.3	178.2 ± 15.5	0.57	0.00
Tk2-70	0.02450 ± 0.00068	0.1625 ± 0.0171	156.0 ± 4.3	152.9 ± 16.0	0.53	1.47	Tk2-126	0.03061 ± 0.00083	0.2324 ± 0.0232	194.4 ± 5.3	212.2 ± 21.2	0.35	0.88
Tk2-71	0.04306 ± 0.00127	0.3061 ± 0.0249	271.8 ± 8.0	271.1 ± 22.0	0.34	0.00	Tk2-127	0.57859 ± 0.00991	12.3124 ± 0.3191	2943.0 ± 50.4	2628.4 ± 68.1	0.63	0.00
Tk2-72	0.04831 ± 0.00155	0.3131 ± 0.0324	304.2 ± 9.8	276.6 ± 28.6	0.37	0.00	Tk2-128	0.02654 ± 0.00051	0.1890 ± 0.0100	168.9 ± 3.2	175.8 ± 9.3	0.29	0.23
Tk2-73	0.03988 ± 0.00138	0.2600 ± 0.0315	252.1 ± 8.7	234.6 ± 28.5	0.42	1.01	Tk2-129	0.01776 ± 0.00037	0.1590 ± 0.0120	113.5 ± 2.3	149.8 ± 11.3	0.91	0.85
Tk2-74	0.03119 ± 0.00090	0.2015 ± 0.0161	198.0 ± 5.7	186.4 ± 14.9	0.34	0.36	Tk2-130	0.02790 ± 0.00060	0.1992 ± 0.0173	177.4 ± 3.8	184.4 ± 16.0	0.43	0.03
Tk2-75	0.02756 ± 0.00074	0.1828 ± 0.0111	175.3 ± 4.7	170.5 ± 10.4	0.24	0.12	Tk2-131	0.02114 ± 0.00071	0.1549 ± 0.0226	134.8 ± 4.5	146.2 ± 21.3	0.32	2.77
Tk2-76	0.02782 ± 0.00096	0.2050 ± 0.0236	176.9 ± 6.1	189.3 ± 21.8	0.49	1.02	Tk2-132	0.02813 ± 0.00068	0.1974 ± 0.0199	178.9 ± 4.3	182.9 ± 18.4	0.26	0.00
Tk2-77	0.03060 ± 0.00117	0.2302 ± 0.0310	194.3 ± 7.4	210.3 ± 28.3	0.45	2.47	Tk2-133	0.02540 ± 0.00080	0.2223 ± 0.0281	161.7 ± 5.1	203.8 ± 25.8	0.78	2.95
Tk2-78	0.02891 ± 0.00086	0.1957 ± 0.0161	183.7 ± 5.5	181.5 ± 15.0	0.64	0.00	Tk2-134	0.03732 ± 0.00054	0.2801 ± 0.0128	236.2 ± 3.4	250.7 ± 11.5	0.50	0.06
Tk2-79	0.26952 ± 0.00443	4.2429 ± 0.1363	1538.3 ± 25.3	1682.3 ± 54.1	0.14	0.00	Tk2-135	0.03057 ± 0.00067	0.2092 ± 0.0191	194.1 ± 4.3	192.9 ± 17.6	0.39	0.00
Tk2-80	0.34908 ± 0.00553	7.7115 ± 0.2162	1930.2 ± 30.6	2197.9 ± 61.6	0.29	0.17	Tk2-136	0.04707 ± 0.00074	0.3436 ± 0.0187	296.5 ± 4.7	299.9 ± 16.3	0.23	0.00
Tk2-81	0.03067 ± 0.00066	0.2363 ± 0.0172	194.7 ± 4.2	215.4 ± 15.7	0.78	0.25	Tk2-137	0.47593 ± 0.00627	7.4575 ± 0.2295	2509.5 ± 33.1	2167.8 ± 66.7	0.23	0.00
Tk2-82	0.03806 ± 0.00085	0.2642 ± 0.0212	240.8 ± 5.4	238.0 ± 19.1	0.28	0.00	Tk2-138	0.02954 ± 0.00093	0.2350 ± 0.0269	187.7 ± 5.9	214.3 ± 24.5	0.15	3.20
Tk2-83	0.03511 ± 0.00095	0.2738 ± 0.0279	222.4 ± 6.0	245.8 ± 25.0	0.47	0.00	Tk2-139	0.34577 ± 0.00699	5.4151 ± 0.1997	1914.4 ± 38.7	1887.2 ± 69.6	0.34	0.03
Tk2-84	0.02789 ± 0.00070	0.2239 ± 0.0203	177.3 ± 4.4	205.2 ± 18.6	0.41	0.00	Tk2-140	0.03110 ± 0.00072	0.2197 ± 0.0147	197.4 ± 4.5	201.7 ± 13.5	0.75	1.35
Tk2-85	0.34656 ± 0.00536	5.6576 ± 0.1541	1918.2 ± 29.7	1924.9 ± 52.4	0.13	0.04	Tk2-141	0.02820 ± 0.00062	0.2042 ± 0.0116	179.3 ± 3.9	188.7 ± 10.7	0.26	0.45
Tk2-86	0.42259 ± 0.00732	7.7458 ± 0.2632	2272.2 ± 39.4	2201.9 ± 74.8	0.51	0.00	Tk2-142	0.16928 ± 0.00387	2.7718 ± 0.1386	1008.1 ± 23.0	1347.9 ± 67.4	0.21	1.32
Tk2-87	0.04509 ± 0.00154	0.4363 ± 0.0523	284.3 ± 9.7	367.6 ± 44.1	0.22	0.82	Tk2-143	0.02766 ± 0.00075	0.2156 ± 0.0193	175.9 ± 4.7	198.3 ± 17.7	0.34	4.04
Tk2-88	0.03026 ± 0.00087	0.2130 ± 0.0226	192.2 ± 5.5	196.0 ± 20.8	0.44	0.00	Tk2-144	0.02844 ± 0.00071	0.2552 ± 0.0187	180.8 ± 4.5	230.8 ± 16.9	0.60	1.42
Tk2-89	0.33409 ± 0.00677	5.4091 ± 0.1879	1858.2 ± 37.7	1886.2 ± 65.5	0.87	0.16	Tk2-145	0.02875 ± 0.00068	0.2247 ± 0.0153	182.7 ± 4.3	205.8 ± 14.0	0.19	0.47
Tk2-90	0.29260 ± 0.00568	5.2279 ± 0.1509	1654.5 ± 32.1	1857.1 ± 53.6	0.24	0.10	Tk2-146	0.01736 ± 0.00035	0.1559 ± 0.0119	110.9 ± 2.2	147.1 ± 11.2	0.71	3.70
Tk2-91	0.04591 ± 0.00113	0.3144 ± 0.0254	289.3 ± 7.1	277.6 ± 20.5	0.36	0.00	Tk2-147	0.09512 ± 0.00175	0.7870 ± 0.0550	585.8 ± 10.8	589.4 ± 41.2	0.68	0.00
Tk2-92	0.34869 ± 0.00668	5.4222 ± 0.1514	1928.3 ± 37.0	1888.3 ± 52.7	0.34	0.00	Tk2-148	0.03848 ± 0.00051	0.2887 ± 0.0128	243.4 ± 3.2	257.5 ± 11.4	0.16	0.39
Tk2-93	0.03129 ± 0.00081	0.2320 ± 0.0199	198.6 ± 5.1	211.8 ± 18.2	0.29	0.59	Tk2-149	0.01773 ± 0.00052	0.1439 ± 0.0176	113.3 ± 3.3	136.5 ± 16.7	0.80	3.17
Tk2-94	0.04178 ± 0.00104	0.2985 ± 0.0241	263.9 ± 6.6	265.2 ± 21.4	0.45	0.40	Tk2-150	0.33091 ± 0.00389	5.3136 ± 0.1669	1842.8 ± 21.7	1871.0 ± 58.8	0.16	0.14
Tk2-95	0.01803 ± 0.00053	0.1338 ± 0.0143	115.2 ± 3.4	127.5 ± 13.6	0.74	0.00	Tk2-151	0.02606 ± 0.00042	0.2049 ± 0.0122	165.8 ± 2.7	189.2 ± 11.3	0.31	0.37
Tk2-96	0.01757 ± 0.00074	0.1574 ± 0.0244	112.3 ± 4.7	148.4 ± 23.0	0.98	1.72	Tk2-152	0.02949 ± 0.00059	0.2256 ± 0.0182	187.4 ± 3.8	206.5 ± 16.6	0.41	0.00
Tk2-97	0.03187 ± 0.00116	0.2215 ± 0.0313	202.3 ± 7.4	203.2 ± 28.7	0.34	0.74	Tk2-153	0.03509 ± 0.00075	0.3313 ± 0.0267	222.3 ± 4.8	290.6 ± 23.4	0.13	4.03
Tk2-98	0.03377 ± 0.00081	0.2304 ± 0.0127	214.1 ± 5.1	210.6 ± 11.6	0.33	0.00	Tk2-154	0.02755 ± 0.00113	0.2184 ± 0.0297	175.2 ± 7.2	200.5 ± 27.3	0.27	3.26
Tk2-99	0.03101 ± 0.00086	0.2319 ± 0.0193	196.9 ± 5.5	211.8 ± 17.7	0.61	4.60	Tk2-155	0.02859 ± 0.00076	0.3300 ± 0.0259	181.7 ± 4.8	289.6 ± 22.8	0.13	4.72
Tk2-100	0.03617 ± 0.00101	0.2666 ± 0.0226	229.1 ± 6.4	240.0 ± 20.3	0.57	0.04	Tk2-156	0.01770 ± 0.00057	0.1598 ± 0.0168	113.1 ± 3.7	150.5 ± 15.9	1.29	4.90
Tk2-101	0.03565 ± 0.00093	0.2434 ± 0.0181	225.8 ± 5.9	221.2 ± 16.4	0.85	0.00	Tk2-157	0.02959 ± 0.00056	0.2110 ± 0.0132	188.0 ± 3.5	194.4 ± 12.2	0.42	0.45
Tk2-102	0.03078 ± 0.00076	0.2313 ± 0.0139	195.4 ± 4.8	211.3 ± 12.7	0.37	0.12	Tk2-158	0.02879 ± 0.00071	0.1978 ± 0.0178	183.0 ± 4.5	183.3 ± 16.5	0.41	1.92
Tk2-103	0.01873 ± 0.00061	0.1473 ± 0.0166	119.6 ± 3.9	139.5 ± 15.7	1.00	3.36	Tk2-159	0.19576 ± 0.00369	2.5712 ± 0.1228	1152.5 ± 21.7	1292.4 ± 61.7	0.42	1.84
Tk2-104	0.03209 ± 0.00086	0.3404 ± 0.0227	203.6 ± 5.5	297.5 ± 19.8	2.09	3.84	Tk2-160	0.36499 ± 0.00576	5.8617 ± 0.1670	2005.8 ± 31.7	1955.5 ± 55.7	0.48	0.00
Tk2-105	0.02881 ± 0.00071	0.1962 ± 0.0143	183.1 ± 4.5	181.9 ± 13.2	0.31	0.57	Tk2-161	0.01739 ± 0.00043	0.1499 ± 0.0129	111.2 ± 2.7	141.8 ± 12.2	1.51	2.03
Tk2-106	0.02950 ± 0.00076	0.1938 ± 0.0157	187.4 ± 4.8	179.9 ± 14.6	0.51	0.00	Tk2-162	0.02857 ± 0.00077	0.2578 ± 0.0249	181.6 ± 4.9	232.9 ± 22.5	0.28	0.00
Tk2-107	0.02794 ± 0.00077	0.2094 ± 0.0187	177.7 ± 4.9	193.1 ± 17.2	0.48	0.00	Tk2-163	0.03658 ± 0.00092	0.3844 ± 0.0315	231.6 ± 5.8	330.2 ± 27.1	0.56	1.90
Tk2-108	0.02974 ± 0.00092	0.2402 ± 0.0254	188.9 ± 5.8	218.6 ± 23.1	0.42	0.00	Tk2-164	0.03181 ± 0.00088	0.3090 ± 0.0297	201.8 ± 5.6	273.4 ± 26.2	0.52	2.16
Tk2-109	0.16026 ± 0.00342	2.4114 ± 0.0883	958.2 ± 20.5	1246.0 ± 45.6	0.12	0.00	Tk2-165	0.32906 ± 0.00512	5.5237 ± 0.1456	1833.8 ± 28.6	1904.2 ± 50.2	0.10	0.13
Tk2-110	0.29752 ± 0.00631	4.6283 ± 0.1636	1679.0 ± 35.6	1754.3 ± 62.0	0.12	0.00	Tk2-166	0.03699 ± 0.00077	0.3147 ± 0.0211	234.1 ± 4.9	277.8 ± 18.6	0.46	0.05
Tk2-111	0.03101 ± 0.00092	0.2528 ± 0.0247	196.9 ± 5.8	228.9 ± 22.4	0.26	0.00	Tk2-167	0.02838 ± 0.00085	0.2000 ± 0.0244	180.4 ± 5.4	185.1 ± 22.6	0.36	0.53
Tk2-112	0.03247 ± 0.00088	0.1996 ± 0.0188	206.0 ± 5.6	184.8 ± 17.4	0.57	0.00	Sample Tk3			0.000			
Tk2-113	0.04185 ± 0.00105	0.3450 ± 0.0237	264.3 ± 6.6	300.9 ± 20.7	0.87	0.93	Tk3-1	0.03383 ± 0.00104	0.2460 ± 0.0296	214.5 ± 6.6	223.3 ± 26.8	1.23	3.80
Tk2-114	0.03539 ± 0.00085	0.2563 ± 0.0164	224.2 ± 5.4	231.7 ± 14.8	0.54	0.84	Tk3-2	0.29641 ± 0.00562	4.6121 ± 0.1311	1673.5 ± 31.8	1751.4 ± 49.8	0.45	0.00
Tk2-115	0.04112 ± 0.00098	0.3006 ± 0.0189	259.8 ± 6.2	266.9 ± 16.8	1.20	0.74	Tk3-3	0.40607 ± 0.00808	7.5079 ± 0.2325	2196.9 ± 43.7	2173.9 ± 67.3	0.69	0.12

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)		²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Tk3-4	0.30059 ± 0.00550	4.6857 ± 0.1146	1694.2 ± 31.0	1764.6 ± 43.2	0.13	0.00	Tk3-60	0.02589 ± 0.00057	0.1760 ± 0.0135	164.8 ± 3.6	164.6 ± 12.7	0.46	0.48
Tk3-5	0.03731 ± 0.00072	0.2596 ± 0.0107	236.1 ± 4.6	234.3 ± 9.7	0.25	0.09	Tk3-61	0.03141 ± 0.00098	0.3735 ± 0.0399	199.3 ± 6.2	322.2 ± 34.4	0.40	3.70
Tk3-6	0.32894 ± 0.00633	5.1255 ± 0.1521	1833.3 ± 35.3	1840.3 ± 54.6	0.52	0.00	Tk3-62	0.04813 ± 0.00164	0.4910 ± 0.0626	303.0 ± 10.3	405.6 ± 51.7	0.41	2.74
Tk3-7	0.30410 ± 0.00703	4.8780 ± 0.2194	1711.6 ± 39.6	1798.4 ± 80.9	0.54	0.51	Tk3-63	0.07164 ± 0.00272	0.7337 ± 0.1081	446.1 ± 17.0	558.7 ± 82.3	0.30	0.00
Tk3-8	0.32086 ± 0.00615	5.0942 ± 0.1369	1793.9 ± 34.4	1835.1 ± 49.3	0.52	0.09	Tk3-64	0.03903 ± 0.00133	0.3170 ± 0.0344	246.8 ± 8.4	279.6 ± 30.4	0.35	2.02
Tk3-9	0.03668 ± 0.00129	0.2663 ± 0.0227	232.2 ± 8.2	239.7 ± 20.4	0.20	1.11	Tk3-65	0.39263 ± 0.00994	10.0731 ± 0.3557	2135.0 ± 54.0	2441.4 ± 86.2	0.42	0.00
Tk3-10	0.46483 ± 0.01497	10.7136 ± 0.4840	2460.9 ± 79.3	2498.5 ± 112.9	1.07	0.04	Tk3-66	0.41287 ± 0.01085	9.1734 ± 0.3746	2228.0 ± 58.6	2355.4 ± 96.2	0.70	0.01
Tk3-11	0.03154 ± 0.00123	0.2341 ± 0.0273	200.2 ± 7.8	213.6 ± 24.9	0.48	0.84	Tk3-67	0.43082 ± 0.01071	10.0176 ± 0.3313	2309.4 ± 57.4	2436.3 ± 80.6	0.21	0.05
Tk3-12	0.03237 ± 0.00133	0.2435 ± 0.0323	205.4 ± 8.4	221.3 ± 29.4	0.59	0.00	Tk3-68	0.04133 ± 0.00114	0.2760 ± 0.0184	261.1 ± 7.2	247.5 ± 16.5	0.38	0.44
Tk3-13	0.29836 ± 0.01000	4.7994 ± 0.2588	1683.2 ± 56.4	1784.7 ± 96.3	0.75	0.30	Tk3-69	0.03766 ± 0.00112	0.3684 ± 0.0272	238.3 ± 7.1	318.4 ± 23.5	0.51	0.96
Tk3-14	0.02828 ± 0.00094	0.1984 ± 0.0130	179.7 ± 6.0	183.8 ± 12.1	0.14	0.63	Tk3-70	0.03532 ± 0.00111	0.3220 ± 0.0284	223.8 ± 7.1	283.4 ± 25.0	0.89	0.00
Tk3-15	0.27890 ± 0.00895	4.6963 ± 0.2156	1585.8 ± 50.9	1766.5 ± 81.1	0.64	0.02	Tk3-71	0.03635 ± 0.00100	0.2980 ± 0.0186	230.2 ± 6.3	264.8 ± 16.6	0.49	0.69
Tk3-16	0.03141 ± 0.00147	0.2146 ± 0.0400	199.4 ± 9.3	197.4 ± 36.8	0.68	0.79	Tk3-72	0.02834 ± 0.00063	0.2230 ± 0.0167	180.2 ± 4.0	204.4 ± 15.3	0.54	1.41
Tk3-17	0.03059 ± 0.00124	0.2190 ± 0.0286	194.3 ± 7.9	201.1 ± 26.2	0.76	2.78	Tk3-73	0.02004 ± 0.00080	0.2102 ± 0.0324	127.9 ± 5.1	193.7 ± 29.9	0.82	0.00
Tk3-18	0.02990 ± 0.00064	0.2505 ± 0.0175	189.9 ± 4.1	227.0 ± 15.9	0.36	0.59	Tk3-74	0.34385 ± 0.00579	5.5251 ± 0.1743	1905.2 ± 32.1	1904.4 ± 60.1	0.28	0.29
Tk3-19	0.02837 ± 0.00057	0.1887 ± 0.0127	180.3 ± 3.6	175.5 ± 11.9	0.27	0.10	Tk3-75	0.32855 ± 0.00540	5.2357 ± 0.1532	1831.3 ± 30.1	1858.4 ± 54.4	0.20	0.06
Tk3-20	0.03250 ± 0.00099	0.2012 ± 0.0273	206.1 ± 6.3	186.1 ± 25.3	0.73	0.00	Tk3-76	0.09414 ± 0.00161	1.3387 ± 0.0456	580.0 ± 9.9	862.6 ± 29.4	0.25	0.27
Tk3-21	0.08031 ± 0.00243	0.6657 ± 0.0774	497.9 ± 15.0	518.1 ± 60.2	1.55	0.00	Tk3-77	0.02510 ± 0.00088	0.2731 ± 0.0352	159.8 ± 5.6	245.2 ± 31.6	1.13	0.00
Tk3-22	0.03147 ± 0.00065	0.2354 ± 0.0160	199.8 ± 4.1	214.7 ± 14.6	0.62	0.67	Tk3-78	0.23699 ± 0.00384	3.8051 ± 0.1068	1371.0 ± 22.2	1593.8 ± 44.7	0.11	0.17
Tk3-23	0.03640 ± 0.00114	0.2466 ± 0.0331	230.5 ± 7.2	223.8 ± 30.1	0.61	1.98	Tk3-79	0.04592 ± 0.00156	0.8126 ± 0.0811	289.5 ± 9.9	603.9 ± 60.3	1.04	0.88
Tk3-24	0.02803 ± 0.00051	0.1996 ± 0.0105	178.2 ± 3.2	184.8 ± 9.7	0.23	0.33	Tk3-80	0.03322 ± 0.00124	0.3546 ± 0.0446	210.7 ± 7.9	308.1 ± 38.7	0.57	0.00
Tk3-25	0.01807 ± 0.00064	0.1322 ± 0.0135	115.4 ± 4.1	126.1 ± 12.8	0.88	3.66	Tk3-81	0.49602 ± 0.01030	11.1024 ± 0.3652	2596.7 ± 53.9	2531.7 ± 83.3	0.46	0.13
Tk3-26	0.03568 ± 0.00146	0.2767 ± 0.0385	226.0 ± 9.2	248.0 ± 34.5	0.96	1.66	Tk3-82	0.03536 ± 0.00121	0.3188 ± 0.0377	224.0 ± 7.6	281.0 ± 33.3	0.69	2.68
Tk3-27	0.24343 ± 0.00737	3.8593 ± 0.1606	1404.5 ± 42.5	1605.2 ± 66.8	0.22	0.00	Tk3-83	0.02311 ± 0.00070	0.1845 ± 0.0194	147.3 ± 4.5	172.0 ± 18.1	0.83	1.27
Tk3-28	0.37164 ± 0.01103	6.2032 ± 0.2282	2037.1 ± 60.5	2004.8 ± 73.7	0.37	0.11	Tk3-84	0.35082 ± 0.00739	5.4919 ± 0.1953	1938.5 ± 40.8	1899.3 ± 67.5	0.17	0.04
Tk3-29	0.03727 ± 0.00149	0.3501 ± 0.0425	235.9 ± 9.4	304.8 ± 37.0	0.52	0.04	Tk3-85	0.31144 ± 0.00667	4.9062 ± 0.1476	1747.8 ± 37.4	1803.3 ± 54.2	0.54	0.13
Tk3-30	0.02759 ± 0.00085	0.1844 ± 0.0106	175.5 ± 5.4	171.9 ± 9.9	0.20	0.00	Tk3-86	0.04063 ± 0.00108	0.3222 ± 0.0253	256.7 ± 6.8	283.6 ± 22.2	0.61	1.81
Tk3-31	0.03718 ± 0.00146	0.2796 ± 0.0365	235.3 ± 9.3	250.3 ± 32.7	0.17	0.00	Tk3-87	0.03258 ± 0.00112	0.3191 ± 0.0321	206.7 ± 7.1	281.2 ± 28.3	0.48	2.41
Tk3-32	0.50299 ± 0.01518	10.5486 ± 0.4135	2626.7 ± 79.3	2484.1 ± 97.4	0.62	0.00	Tk3-88	0.28744 ± 0.00739	5.3999 ± 0.2143	1628.7 ± 41.9	1884.8 ± 74.8	0.15	0.00
Tk3-33	0.04996 ± 0.00189	0.4536 ± 0.0495	314.3 ± 11.9	379.8 ± 41.4	0.70	0.00	Tk3-89	0.03420 ± 0.00099	0.2730 ± 0.0201	216.8 ± 6.3	245.0 ± 18.0	0.64	1.43
Tk3-34	0.04851 ± 0.00189	0.4631 ± 0.0500	305.4 ± 11.9	386.4 ± 41.8	0.73	1.02	Tk3-90	0.03663 ± 0.00113	0.2590 ± 0.0233	231.9 ± 7.1	233.8 ± 21.0	0.69	1.98
Tk3-35	0.35923 ± 0.01092	5.7458 ± 0.2189	1978.5 ± 60.1	1938.2 ± 73.8	0.14	0.00	Tk3-91	0.32776 ± 0.00831	5.6665 ± 0.2146	1827.5 ± 46.3	1926.2 ± 73.0	0.52	0.12
Tk3-36	0.04074 ± 0.00146	0.3324 ± 0.0314	257.4 ± 9.2	291.4 ± 27.5	0.36	0.00	Tk3-92	0.03592 ± 0.00131	0.3148 ± 0.0365	227.5 ± 8.3	277.9 ± 32.2	0.51	2.95
Tk3-37	0.03299 ± 0.00110	0.2592 ± 0.0195	209.2 ± 7.0	234.0 ± 17.6	0.34	0.70	Tk3-93	0.02538 ± 0.00076	0.2374 ± 0.0181	161.5 ± 4.8	216.3 ± 16.5	1.88	0.37
Tk3-38	0.25909 ± 0.00780	4.5285 ± 0.1612	1485.2 ± 44.7	1736.2 ± 61.8	0.16	0.00	Tk3-94	0.33951 ± 0.00868	5.3315 ± 0.2099	1884.3 ± 48.2	1873.9 ± 73.8	0.38	0.00
Tk3-39	0.01851 ± 0.00067	0.1749 ± 0.0157	118.2 ± 4.3	163.6 ± 14.7	0.64	1.60	Tk3-95	0.03022 ± 0.00087	0.2453 ± 0.0177	191.9 ± 5.5	222.7 ± 16.0	0.31	0.03
Tk3-40	0.02294 ± 0.00093	0.1806 ± 0.0231	146.2 ± 5.9	168.6 ± 21.6	1.21	0.00	Tk3-96	0.33853 ± 0.00503	5.3436 ± 0.1532	1879.6 ± 28.0	1875.8 ± 53.8	0.11	0.06
Tk3-41	0.03194 ± 0.00139	0.2651 ± 0.0280	202.7 ± 8.8	238.7 ± 25.3	1.17	2.35	Tk3-97	0.04147 ± 0.00075	0.3093 ± 0.0175	262.0 ± 4.7	273.6 ± 15.5	0.58	0.00
Tk3-42	0.43096 ± 0.01665	8.5655 ± 0.4256	2310.1 ± 89.3	2292.8 ± 113.9	0.25	0.00	Tk3-98	0.02957 ± 0.00054	0.2115 ± 0.0124	187.9 ± 3.4	194.8 ± 11.4	0.50	0.42
Tk3-43	0.38233 ± 0.01470	6.5113 ± 0.3185	2087.2 ± 80.3	2047.3 ± 100.1	0.25	0.17	Tk3-99	0.02670 ± 0.00059	0.2121 ± 0.0167	169.9 ± 3.8	195.3 ± 15.4	1.13	0.68
Tk3-44	0.02869 ± 0.00113	0.2390 ± 0.0151	182.4 ± 7.2	217.6 ± 13.8	0.18	0.17	Tk3-100	0.04145 ± 0.00092	0.3184 ± 0.0255	261.8 ± 5.8	280.6 ± 22.5	0.65	1.77
Tk3-45	0.02766 ± 0.00112	0.2075 ± 0.0166	175.9 ± 7.1	191.4 ± 15.4	0.16	0.06	Tk3-101	0.03018 ± 0.00107	0.2218 ± 0.0334	191.7 ± 6.8	203.4 ± 30.6	0.73	4.98
Tk3-46	0.03108 ± 0.00131	0.3109 ± 0.0268	197.3 ± 8.3	274.9 ± 23.7	0.50	0.00	Tk3-102	0.03931 ± 0.00110	0.5542 ± 0.0478	248.5 ± 6.9	447.7 ± 38.6	0.62	3.23
Tk3-47	0.31638 ± 0.01210	5.0125 ± 0.2377	1772.0 ± 67.8	1821.4 ± 86.4	0.22	0.11	Tk3-103	0.22242 ± 0.00372	3.2695 ± 0.1259	1294.7 ± 21.6	1473.8 ± 56.7	0.20	0.00
Tk3-48	0.33178 ± 0.00619	5.2306 ± 0.2193	1847.0 ± 34.5	1857.5 ± 77.9	0.30	0.17	Tk3-104	0.03884 ± 0.00138	0.2754 ± 0.0355	245.6 ± 8.7	247.0 ± 31.8	0.58	0.00
Tk3-49	0.35041 ± 0.00634	7.3584 ± 0.2859	1936.6 ± 35.0	2155.8 ± 83.8	0.15	0.02	Tk3-105	0.33422 ± 0.00820	6.3703 ± 0.2415	1858.8 ± 45.6	2028.1 ± 76.9	0.15	0.00
Tk3-50	0.40840 ± 0.00748	8.8446 ± 0.3508	2207.6 ± 40.4	2322.0 ± 92.1	0.36	0.16	Tk3-106	0.03203 ± 0.00083	0.2413 ± 0.0134	203.2 ± 5.3	219.5 ± 12.2	0.36	0.00
Tk3-51	0.29228 ± 0.00533	4.5349 ± 0.1810	1652.9 ± 30.1	1737.3 ± 69.3	0.11	0.04	Tk3-107	0.02968 ± 0.00087	0.2427 ± 0.0197	188.6 ± 5.5	220.6 ± 17.9	0.51	0.94
Tk3-52	0.25505 ± 0.00503	3.8663 ± 0.1816	1464.5 ± 28.9	1606.6 ± 75.5	0.62	0.34	Tk3-108	0.04146 ± 0.00139	0.3684 ± 0.0387	261.9 ± 8.8	318.4 ± 33.4	0.45	0.00
Tk3-53	0.32075 ± 0.00612	5.0844 ± 0.2222	1793.4 ± 34.2	1833.4 ± 80.1	0.32	0.08	Tk3-109	0.03338 ± 0.00091	0.2833 ± 0.0182	211.6 ± 5.7	253.3 ± 16.3	0.58	1.32
Tk3-54	0.03016 ± 0.00082	0.2532 ± 0.0244	191.6 ± 5.2	229.1 ± 22.1	1.00	2.15	Tk3-110	0.02045 ± 0.00099	0.1821 ± 0.0341	130.5 ± 6.3	169.9 ± 31.8	0.73	4.80
Tk3-55	0.26598 ± 0.00522	4.0871 ± 0.1901	1520.3 ± 29.9	1651.7 ± 76.8	0.80	0.01	Tk3-111	0.03421 ± 0.00095	0.2421 ± 0.0177	216.8 ± 6.0	220.2 ± 16.1	0.31	0.10
Tk3-56	0.26069 ± 0.00461	4.1061 ± 0.1572	1493.4 ± 26.4	1655.5 ± 63.4	0.28	0.08	Tk3-112	0.31138 ± 0.00781	4.9288 ± 0.2068	1747.5 ± 43.8	1807.1 ± 75.8	0.89	0.03
Tk3-57	0.02756 ± 0.00059	0.2386 ± 0.0159	175.3 ± 3.8	217.3 ± 14.5	0.19	1.24	Tk3-113	0.03783 ± 0.00094	0.2792 ± 0.0165	239.4 ± 5.9	250.0 ± 14.8	0.44	0.23
Tk3-58	0.13470 ± 0.00297	2.5273 ± 0.1391	814.6 ± 18.0	1279.9 ± 70.4	0.55	0.18	Tk3-114	0.26783 ± 0.00617	4.1299 ± 0.1462	1529.8 ± 35.2	1660.2 ± 58.8	0.72	0.00
Tk3-59	0.03077 ± 0.00094	0.2343 ± 0.0297	195.4 ± 6.0	213.7 ± 27.1	0.62	0.00	Tk3-115	0.04182 ± 0.00109	0.3177 ± 0.0220	264.1 ± 6.9	280.1 ± 19.4	0.17	0.00

	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
Tk3-116	0.03732 ± 0.00116	0.3406 ± 0.0324	236.2 ± 7.4	297.6 ± 28.3	0.97	0.66
Tk3-117	0.03227 ± 0.00086	0.2604 ± 0.0185	204.7 ± 5.4	235.0 ± 16.7	0.67	0.00
Tk3-118	0.31558 ± 0.00736	4.9061 ± 0.1833	1768.1 ± 41.3	1803.2 ± 67.4	0.52	0.00
Tk3-119	0.33234 ± 0.00787	6.8069 ± 0.2545	1849.7 ± 43.8	2086.6 ± 78.0	0.78	0.00
Tk3-120	0.32293 ± 0.00742	5.0260 ± 0.1755	1804.0 ± 41.4	1823.6 ± 63.7	0.40	0.00
Tk3-121	0.52628 ± 0.01204	12.4061 ± 0.3998	2725.8 ± 62.3	2635.5 ± 84.9	0.50	0.00
Tk3-122	0.03193 ± 0.00097	0.2867 ± 0.0195	202.6 ± 6.1	255.9 ± 17.4	0.32	1.38
Tk3-123	0.03842 ± 0.00114	0.3167 ± 0.0208	243.0 ± 7.2	279.4 ± 18.3	0.12	0.41
Tk3-124	0.03447 ± 0.00116	0.2587 ± 0.0258	218.5 ± 7.3	233.6 ± 23.3	0.52	0.69
Tk3-125	0.38442 ± 0.01051	8.1052 ± 0.3133	2096.9 ± 57.3	2242.7 ± 86.7	0.60	0.18
Tk3-126	0.05552 ± 0.00190	0.5799 ± 0.0529	348.3 ± 11.9	464.4 ± 42.4	0.50	1.79
Tk3-127	0.04406 ± 0.00150	0.4073 ± 0.0385	278.0 ± 9.4	346.9 ± 32.8	0.61	0.85
Tk3-128	0.03850 ± 0.00124	0.4622 ± 0.0343	243.5 ± 7.8	385.7 ± 28.6	0.11	1.70
Tk3-129	0.02973 ± 0.00069	0.2458 ± 0.0163	188.9 ± 4.4	223.1 ± 14.8	0.53	0.43
Tk3-131	0.03626 ± 0.00106	0.2968 ± 0.0308	229.6 ± 6.7	263.9 ± 27.4	0.47	0.00
Tk3-133	0.03411 ± 0.00081	0.2707 ± 0.0194	216.2 ± 5.1	243.2 ± 17.4	0.29	0.99
Tk3-134	0.03461 ± 0.00134	0.4286 ± 0.0548	219.4 ± 8.5	362.2 ± 46.3	0.62	0.44
Tk3-138	0.25019 ± 0.00574	3.7702 ± 0.1312	1439.4 ± 33.0	1586.4 ± 55.2	0.23	0.38
Tk3-139	0.04056 ± 0.00122	0.3315 ± 0.0310	256.3 ± 7.7	290.7 ± 27.2	0.42	0.00
Tk3-140	0.40198 ± 0.00907	7.7849 ± 0.2413	2178.2 ± 49.2	2206.4 ± 68.4	0.31	0.02
Tk3-141	0.03017 ± 0.00072	0.2344 ± 0.0115	191.6 ± 4.6	213.8 ± 10.5	0.60	0.23
Tk3-144	0.31483 ± 0.00728	5.1425 ± 0.1816	1764.5 ± 40.8	1843.1 ± 65.1	0.55	0.35
Tk3-146	0.02821 ± 0.00085	0.2898 ± 0.0251	179.3 ± 5.4	258.4 ± 22.4	0.31	0.00
Tk3-147	0.04172 ± 0.00124	0.2669 ± 0.0292	263.5 ± 7.8	240.2 ± 26.3	0.40	0.38
Tk3-148	0.03665 ± 0.00132	0.5765 ± 0.0586	232.0 ± 8.3	462.2 ± 46.9	0.39	3.60
Tk3-149	0.02778 ± 0.00066	0.2025 ± 0.0114	176.6 ± 4.2	187.3 ± 10.6	0.45	0.17
Tk3-150	0.03299 ± 0.00096	0.3215 ± 0.0280	209.3 ± 6.1	283.1 ± 24.7	0.39	3.91
Tk3-151	0.41528 ± 0.00901	8.9044 ± 0.2615	2239.0 ± 48.6	2328.2 ± 68.4	0.29	0.03
Tk3-152	0.06553 ± 0.00185	0.5303 ± 0.0466	409.2 ± 11.5	432.0 ± 37.9	0.36	0.00
Tk3-153	0.03933 ± 0.00114	0.3128 ± 0.0294	248.7 ± 7.2	276.3 ± 25.9	0.78	0.00
Tk3-154	0.33277 ± 0.00722	5.3448 ± 0.1639	1851.8 ± 40.2	1876.0 ± 57.5	0.18	0.04
Tk3-155	0.40488 ± 0.00888	9.5027 ± 0.2878	2191.5 ± 48.1	2387.7 ± 72.3	0.65	0.05
Tk3-156	0.03208 ± 0.00070	0.2940 ± 0.0200	203.5 ± 4.4	261.7 ± 17.8	0.82	0.75
Tk3-157	0.03971 ± 0.00108	0.3396 ± 0.0340	251.0 ± 6.8	296.8 ± 29.7	0.73	1.48
Tk3-158	0.03768 ± 0.00100	0.3462 ± 0.0324	238.4 ± 6.3	301.9 ± 28.2	0.66	2.36
Tk3-159	0.03863 ± 0.00097	0.4123 ± 0.0333	244.4 ± 6.1	350.5 ± 28.3	0.46	1.05
Tk3-160	0.36778 ± 0.00649	7.8251 ± 0.2576	2019.0 ± 35.6	2211.0 ± 72.8	1.07	0.30
Tk3-161	0.36911 ± 0.00593	7.5528 ± 0.1941	2025.2 ± 32.5	2179.2 ± 56.0	0.32	0.03
Tk3-162	0.41747 ± 0.00693	8.5079 ± 0.2419	2249.0 ± 37.4	2286.7 ± 65.0	0.58	0.09
Tk3-163	0.04077 ± 0.00082	0.3060 ± 0.0192	257.6 ± 5.2	271.1 ± 17.0	0.84	1.18
Tk3-164	0.43702 ± 0.00746	10.6508 ± 0.3352	2337.3 ± 39.9	2493.1 ± 78.5	0.48	0.00
Tk3-165	0.37018 ± 0.00638	6.9285 ± 0.2274	2030.3 ± 35.0	2102.2 ± 69.0	0.37	0.05
Tk3-166	0.07054 ± 0.00173	1.1647 ± 0.0757	439.4 ± 10.8	784.2 ± 51.0	0.61	0.68
Tk3-167	0.21763 ± 0.00379	3.3516 ± 0.1167	1269.3 ± 22.1	1493.1 ± 52.0	0.36	0.00
Tk3-168	0.04666 ± 0.00143	0.4222 ± 0.0475	294.0 ± 9.0	357.6 ± 40.2	0.55	3.04
Tk3-169	0.33261 ± 0.00590	5.1966 ± 0.1859	1851.0 ± 32.8	1852.0 ± 66.2	0.32	0.00
Tk3-170	0.12886 ± 0.00273	1.2500 ± 0.0749	781.4 ± 16.5	823.4 ± 49.3	1.08	0.28
Tk3-171	0.03159 ± 0.00080	0.2396 ± 0.0213	200.5 ± 5.1	218.1 ± 19.4	0.78	0.91
Tk3-172	0.38116 ± 0.00750	7.9122 ± 0.2633	2081.7 ± 40.9	2221.0 ± 73.9	0.82	0.00
Tk3-174	0.02956 ± 0.00079	0.3744 ± 0.0294	187.8 ± 5.0	322.9 ± 25.4	0.26	0.59
Tk3-175	0.26769 ± 0.00524	4.7806 ± 0.1815	1529.1 ± 29.9	1781.4 ± 67.6	0.42	0.00
Tk3-177	0.03217 ± 0.00061	0.2525 ± 0.0125	204.1 ± 3.9	228.6 ± 11.4	0.18	0.00
Tk3-178	0.03552 ± 0.00086	0.3577 ± 0.0263	225.0 ± 5.4	310.5 ± 22.8	0.93	0.06
Tk3-179	0.02906 ± 0.00066	0.2430 ± 0.0175	184.7 ± 4.2	220.8 ± 15.9	0.33	0.24
Tk3-181	0.05147 ± 0.00086	0.5739 ± 0.0285	323.5 ± 5.4	460.5 ± 22.9	0.45	0.00
Tk3-182	0.34240 ± 0.00444	10.1229 ± 0.2430	1898.2 ± 24.6	2446.0 ± 58.7	0.30	0.16

	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
Tk3-183	0.64799 ± 0.00838	28.9962 ± 0.6583	3220.4 ± 41.6	3453.3 ± 78.4	0.29	0.00
Tk3-184	0.30411 ± 0.00372	4.7739 ± 0.1079	1711.6 ± 20.9	1780.2 ± 40.2	0.36	0.00
Tk3-185	0.03356 ± 0.00070	0.3535 ± 0.0248	212.8 ± 4.4	307.4 ± 21.5	0.67	0.61
Tk3-186	0.04284 ± 0.00194	0.3284 ± 0.0665	270.4 ± 12.3	288.4 ± 58.4	0.83	0.00
Tk3-187	0.05724 ± 0.00102	0.6952 ± 0.0367	358.8 ± 6.4	535.9 ± 28.3	0.38	0.45
Tk3-188	0.11790 ± 0.00160	1.6523 ± 0.0503	718.5 ± 9.7	990.4 ± 30.2	0.10	0.00
Tk3-189	0.02673 ± 0.00047	0.1895 ± 0.0120	170.0 ± 3.0	176.2 ± 11.2	0.19	3.38
Tk3-190	0.04178 ± 0.00142	0.4438 ± 0.0403	263.9 ± 9.0	372.9 ± 33.9	0.69	0.82
Tk3-191	0.03024 ± 0.00101	0.3106 ± 0.0273	192.0 ± 6.4	274.7 ± 24.1	0.49	1.06
Tk3-192	0.03025 ± 0.00112	0.2386 ± 0.0285	192.1 ± 7.1	217.2 ± 26.0	0.39	0.00
Tk3-193	0.02932 ± 0.00095	0.2371 ± 0.0216	186.3 ± 6.1	216.1 ± 19.7	0.43	1.14
Tk3-194	0.31816 ± 0.00848	4.9573 ± 0.1857	1780.7 ± 47.5	1812.0 ± 67.9	0.15	0.13
Tk3-195	0.47020 ± 0.01243	10.2057 ± 0.3561	2484.4 ± 65.7	2453.5 ± 85.6	0.28	0.15
Tk3-196	0.03003 ± 0.00094	0.2495 ± 0.0203	190.7 ± 6.0	226.2 ± 18.4	0.58	1.51
Tk3-197	0.02911 ± 0.00083	0.2198 ± 0.0133	185.0 ± 5.2	201.8 ± 12.2	0.28	0.10
Sample Tk4						
Tk4-1	0.30561 ± 0.00682	4.7513 ± 0.1705	1719.1 ± 38.3	1776.3 ± 63.7	0.22	0.00
Tk4-2	0.03394 ± 0.00089	0.3074 ± 0.0219	215.2 ± 5.6	272.2 ± 19.4	0.40	2.73
Tk4-3	0.03997 ± 0.00147	0.2804 ± 0.0402	252.6 ± 9.3	251.0 ± 36.0	0.54	1.08
Tk4-4	0.03025 ± 0.00102	0.2234 ± 0.0276	192.1 ± 6.5	204.7 ± 25.3	0.38	0.00
Tk4-5	0.32076 ± 0.00475	5.0501 ± 0.1302	1793.4 ± 26.6	1827.7 ± 47.1	0.13	0.01
Tk4-6	0.02437 ± 0.00066	0.1839 ± 0.0196	155.2 ± 4.2	171.4 ± 18.3	0.66	3.44
Tk4-7	0.27046 ± 0.00424	4.2791 ± 0.1289	1543.2 ± 24.2	1689.3 ± 50.9	0.19	0.08
Tk4-8	0.03673 ± 0.00066	0.2600 ± 0.0151	232.5 ± 4.2	234.6 ± 13.6	0.21	0.00
Tk4-9	0.26938 ± 0.00446	4.2480 ± 0.1443	1537.6 ± 25.4	1683.3 ± 57.2	0.28	0.14
Tk4-10	0.04461 ± 0.00146	0.3410 ± 0.0401	281.4 ± 9.2	297.9 ± 35.1	0.56	0.00
Tk4-11	0.32417 ± 0.00706	6.4264 ± 0.2245	1810.1 ± 39.4	2035.8 ± 71.1	0.51	0.00
Tk4-12	0.02145 ± 0.00065	0.1549 ± 0.0165	136.8 ± 4.2	146.3 ± 15.6	0.90	0.00
Tk4-13	0.03070 ± 0.00111	0.2945 ± 0.0363	194.9 ± 7.0	262.1 ± 32.3	0.50	2.00
Tk4-14	0.02607 ± 0.00062	0.1790 ± 0.0115	165.9 ± 4.0	167.2 ± 10.7	0.90	0.52
Tk4-15	0.04136 ± 0.00116	0.5330 ± 0.0393	261.2 ± 7.3	433.8 ± 32.0	0.25	4.23
Tk4-16	0.35052 ± 0.00863	5.6667 ± 0.2907	1937.1 ± 47.7	1926.2 ± 98.8	0.56	0.00
Tk4-17	0.04460 ± 0.00108	0.3911 ± 0.0236	281.3 ± 6.8	335.1 ± 20.3	0.26	1.09
Tk4-18	0.03287 ± 0.00117	0.3975 ± 0.0446	208.5 ± 7.4	339.8 ± 38.2	0.48	2.24
Tk4-19	0.03086 ± 0.00088	0.2841 ± 0.0253	195.9 ± 5.6	253.9 ± 22.6	0.48	0.00
Tk4-20	0.33860 ± 0.00818	5.2625 ± 0.2758	1879.9 ± 45.4	1862.7 ± 97.6	0.58	0.95
Tk4-21	0.02418 ± 0.00079	0.1600 ± 0.0205	154.0 ± 5.0	150.7 ± 19.3	0.54	0.29
Tk4-22	0.01751 ± 0.00052	0.1225 ± 0.0133	111.9 ± 3.3	117.3 ± 12.7	0.81	0.20
Tk4-23	0.34192 ± 0.00683	6.0219 ± 0.1716	1895.9 ± 37.9	1979.0 ± 56.4	0.23	0.00
Tk4-24	0.25481 ± 0.00539	3.9858 ± 0.1466	1463.3 ± 31.0	1631.2 ± 60.0	0.21	0.19
Tk4-25	0.03572 ± 0.00077	0.3439 ± 0.0154	226.2 ± 4.9	300.1 ± 13.4	1.67	1.91
Tk4-26	0.03344 ± 0.00112	0.2685 ± 0.0263	212.1 ± 7.1	241.5 ± 23.7	0.71	0.76
Tk4-27	0.03166 ± 0.00095	0.2434 ± 0.0181	200.9 ± 6.0	221.2 ± 16.5	0.37	2.77
Tk4-28	0.31245 ± 0.00846	4.9167 ± 0.2002	1752.8 ± 47.5	1805.1 ± 73.5	0.55	0.03
Tk4-29	0.28898 ± 0.00776	4.4377 ± 0.1744	1636.4 ± 44.0	1719.3 ± 67.6	0.20	0.00
Tk4-30	0.04514 ± 0.00122	0.3834 ± 0.0365	284.6 ± 7.7	329.5 ± 31.4	0.70	2.92
Tk4-31	0.02849 ± 0.00092	0.1898 ± 0.0255	181.1 ± 5.8	176.5 ± 23.7	0.54	0.31
Tk4-32	0.35004 ± 0.00678	5.5170 ± 0.2456	1934.8 ± 37.5	1903.2 ± 84.7	0.54	0.07
Tk4-33	0.01860 ± 0.00061	0.1136 ± 0.0163	118.8 ± 3.9	109.2 ± 15.6	2.04	3.85
Tk4-34	0.01840 ± 0.00050	0.2047 ± 0.0237	117.5 ± 3.2	189.1 ± 21.9	0.94	3.39
Tk4-35	0.32705 ± 0.00577	5.0839 ± 0.4226	1824.1 ± 32.2	1833.4 ± 152.4	0.46	0.00
Tk4-36	0.03508 ± 0.00081	0.3439 ± 0.0362	222.3 ± 5.1	300.1 ± 31.6	0.69	3.46
Tk4-37	0.48883 ± 0.00781	7.6625 ± 0.6092	2565.6 ± 41.0	2192.1 ± 174.3	0.35	0.59
Tk4-38	0.02997 ± 0.00100	0.1932 ± 0.0316	190.4 ± 6.3	179.4 ± 29.4	0.40	0.88
Tk4-39	0.02802 ± 0.00056	0.2301 ± 0.0225	178.1 ± 3.6	210.3 ± 20.5	0.22	0.02
Tk4-40	0.02839 ± 0.00050	0.3091 ± 0.0267	180.5 ± 3.2	273.5 ± 23.6	1.14	3.23

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Tk4-41	0.04102 ± 0.00073	0.3007 ± 0.0274	259.2 ± 4.6	266.9 ± 24.3	0.16	0.18
Tk4-42	0.30005 ± 0.00520	4.7140 ± 0.1742	1691.6 ± 29.3	1769.7 ± 65.4	0.20	0.34
Tk4-43	0.01920 ± 0.00068	0.2005 ± 0.0254	122.6 ± 4.3	185.5 ± 23.6	0.58	0.00
Tk4-44	0.38822 ± 0.00669	8.8114 ± 0.2930	2114.6 ± 36.4	2318.6 ± 77.1	1.36	0.34
Tk4-45	0.03013 ± 0.00123	0.2261 ± 0.0393	191.4 ± 7.8	207.0 ± 36.0	0.68	0.00
Tk4-46	0.27286 ± 0.00531	3.9779 ± 0.1903	1555.3 ± 30.2	1629.6 ± 78.0	0.71	0.38
Tk4-47	0.02875 ± 0.00064	0.2552 ± 0.0188	182.7 ± 4.1	230.8 ± 17.0	0.66	0.34
Tk4-48	0.03014 ± 0.00094	0.2680 ± 0.0313	191.4 ± 5.9	241.1 ± 28.1	0.38	1.41
Tk4-49	0.02906 ± 0.00060	0.3391 ± 0.0198	184.6 ± 3.8	296.5 ± 17.3	0.72	3.88
Tk4-50	0.37381 ± 0.00616	6.6080 ± 0.2461	2047.3 ± 33.7	2060.3 ± 76.7	0.43	0.25
Tk4-51	0.03117 ± 0.00080	0.2377 ± 0.0165	197.9 ± 5.1	216.6 ± 15.1	0.30	0.55
Tk4-52	0.35648 ± 0.00533	5.4784 ± 0.1912	1965.4 ± 29.4	1897.1 ± 66.2	0.43	0.15
Tk4-53	0.38482 ± 0.00659	6.2505 ± 0.2460	2098.8 ± 35.9	2011.5 ± 79.1	0.36	0.58
Tk4-54	0.03194 ± 0.00082	0.3051 ± 0.0198	202.7 ± 5.2	270.3 ± 17.5	0.83	1.22
Tk4-55	0.04528 ± 0.00126	0.4316 ± 0.0354	285.5 ± 8.0	364.3 ± 29.8	0.49	2.22
Tk4-56	0.36360 ± 0.00775	6.2427 ± 0.2086	1999.2 ± 42.6	2010.4 ± 67.2	0.11	0.20
Tk4-57	0.03948 ± 0.00174	0.5046 ± 0.0724	249.6 ± 11.0	414.8 ± 59.5	0.62	0.00
Tk4-58	0.03168 ± 0.00092	0.2459 ± 0.0236	201.1 ± 5.8	223.2 ± 21.5	0.91	0.00
Tk4-59	0.02037 ± 0.00069	0.3023 ± 0.0288	130.0 ± 4.4	268.2 ± 25.6	0.73	4.90
Tk4-60	0.05209 ± 0.00132	0.6371 ± 0.0392	327.3 ± 8.3	500.5 ± 30.8	0.25	3.30
Tk4-61	0.02885 ± 0.00077	0.2169 ± 0.0202	183.4 ± 4.9	199.3 ± 18.6	0.47	1.19
Tk4-62	0.04062 ± 0.00079	0.3261 ± 0.0150	256.7 ± 5.0	286.6 ± 13.2	0.19	0.00
Tk4-63	0.03272 ± 0.00159	0.4672 ± 0.0726	207.6 ± 10.1	389.3 ± 60.5	0.45	0.90
Tk4-64	0.03938 ± 0.00092	0.3362 ± 0.0234	249.0 ± 5.8	294.3 ± 20.5	0.57	1.68
Tk4-65	0.30222 ± 0.00562	5.1219 ± 0.1510	1702.3 ± 31.7	1839.7 ± 54.2	0.16	0.83
Tk4-66	0.03190 ± 0.00081	0.2829 ± 0.0227	202.4 ± 5.1	252.9 ± 20.3	0.47	2.96
Tk4-67	0.39128 ± 0.01328	6.9475 ± 0.3589	2128.8 ± 72.2	2104.7 ± 108.7	0.76	0.54
Tk4-68	0.03895 ± 0.00138	0.3367 ± 0.0257	246.3 ± 8.7	294.6 ± 22.5	0.29	1.07
Tk4-69	0.03010 ± 0.00108	0.2244 ± 0.0186	191.2 ± 6.8	205.5 ± 17.0	0.69	0.50
Tk4-70	0.44115 ± 0.01442	7.1419 ± 0.3243	2355.8 ± 77.0	2129.2 ± 96.7	0.19	0.00
Tk4-71	0.02879 ± 0.00105	0.2419 ± 0.0208	183.0 ± 6.7	220.0 ± 18.9	0.59	2.73
Tk4-72	0.03260 ± 0.00136	0.2655 ± 0.0323	206.8 ± 8.6	239.1 ± 29.1	0.29	0.36
Tk4-73	0.01877 ± 0.00050	0.1801 ± 0.0153	119.9 ± 3.2	168.1 ± 14.3	0.77	1.59
Tk4-74	0.02284 ± 0.00092	0.2098 ± 0.0319	145.6 ± 5.9	193.4 ± 29.4	0.48	1.74
Tk4-75	0.03278 ± 0.00085	0.2291 ± 0.0218	207.9 ± 5.4	209.4 ± 19.9	0.56	0.32
Tk4-76	0.05138 ± 0.00138	0.3651 ± 0.0359	323.0 ± 8.6	316.0 ± 31.1	0.50	0.00
Tk4-77	0.18570 ± 0.00334	4.0575 ± 0.1170	1098.0 ± 19.8	1645.7 ± 47.5	0.12	1.14
Tk4-78	0.35071 ± 0.00613	5.9927 ± 0.1907	1938.0 ± 33.8	1974.7 ± 62.9	0.17	0.02
Tk4-79	0.03652 ± 0.00072	0.3591 ± 0.0180	231.2 ± 4.5	311.5 ± 15.6	0.55	1.53
Tk4-80	0.02786 ± 0.00080	0.2327 ± 0.0243	177.1 ± 5.1	212.4 ± 22.2	0.73	0.94
Tk4-81	0.28352 ± 0.00487	4.4309 ± 0.1358	1609.1 ± 27.6	1718.1 ± 52.6	0.53	0.00
Tk4-82	0.04567 ± 0.00121	0.4816 ± 0.0408	287.9 ± 7.6	399.1 ± 33.8	1.01	3.67
Tk4-83	0.03072 ± 0.00067	0.3677 ± 0.0215	195.1 ± 4.2	318.0 ± 18.6	0.65	3.24
Tk4-84	0.02974 ± 0.00073	0.2842 ± 0.0222	188.9 ± 4.6	254.0 ± 19.8	0.48	2.74
Tk4-85	0.04454 ± 0.00074	0.4742 ± 0.0165	280.9 ± 4.7	394.1 ± 13.7	0.42	3.41
Tk4-86	0.03023 ± 0.00064	0.3498 ± 0.0221	192.0 ± 4.1	304.6 ± 19.3	0.32	2.67
Tk4-87	0.25369 ± 0.00417	3.9403 ± 0.1155	1457.5 ± 23.9	1621.9 ± 47.6	0.10	0.00
Tk4-88	0.02337 ± 0.00077	0.3165 ± 0.0419	148.9 ± 4.9	279.2 ± 37.0	0.75	1.95
Tk4-89	0.07197 ± 0.00142	0.7936 ± 0.0434	448.0 ± 8.9	593.2 ± 32.5	0.91	2.38
Tk4-90	0.02476 ± 0.00069	0.2076 ± 0.0278	157.7 ± 4.4	191.5 ± 25.7	0.79	1.54
Tk4-91	0.03866 ± 0.00093	0.3489 ± 0.0328	244.5 ± 5.9	303.9 ± 28.5	0.40	1.81
Tk4-92	0.03097 ± 0.00117	0.2933 ± 0.0422	196.6 ± 7.4	261.1 ± 37.6	0.50	0.53
Tk4-93	0.30841 ± 0.00494	4.8247 ± 0.1553	1732.9 ± 27.8	1789.1 ± 57.6	0.28	0.00
Tk4-94	0.19553 ± 0.00329	3.0912 ± 0.1118	1151.3 ± 19.4	1430.5 ± 51.7	0.10	1.18
Tk4-95	0.03099 ± 0.00077	0.3260 ± 0.0267	196.7 ± 4.9	286.5 ± 23.5	0.51	2.37
Tk4-96	0.02799 ± 0.00053	0.1933 ± 0.0118	177.9 ± 3.4	179.4 ± 11.0	0.52	0.16

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Tk4-97	0.51795 ± 0.00931	11.3564 ± 0.4334	2690.5 ± 48.4	2552.8 ± 97.4	0.24	0.00
Tk4-98	0.02849 ± 0.00100	0.2238 ± 0.0311	181.1 ± 6.4	205.1 ± 28.5	0.40	0.00
Tk4-99	0.02715 ± 0.00074	0.1891 ± 0.0193	172.7 ± 4.7	175.8 ± 17.9	0.30	1.01
Tk4-100	0.03471 ± 0.00097	0.3296 ± 0.0308	220.0 ± 6.1	289.2 ± 27.0	0.51	2.45
Tk4-101	0.02763 ± 0.00062	0.1938 ± 0.0144	175.7 ± 4.0	179.8 ± 13.4	0.60	0.12
Tk4-102	0.02785 ± 0.00099	0.2672 ± 0.0306	177.1 ± 6.3	240.4 ± 27.6	0.52	0.81
Tk4-103	0.02953 ± 0.00098	0.2436 ± 0.0261	187.6 ± 6.2	221.3 ± 23.7	0.56	0.36
Tk4-104	0.03142 ± 0.00112	0.2615 ± 0.0314	199.4 ± 7.1	235.9 ± 28.4	0.59	0.00
Tk4-105	0.02726 ± 0.00086	0.1929 ± 0.0201	173.4 ± 5.5	179.1 ± 18.7	0.45	0.01
Tk4-106	0.02603 ± 0.00082	0.2246 ± 0.0217	165.7 ± 5.2	205.7 ± 19.9	0.39	0.28
Tk4-107	0.03004 ± 0.00099	0.3219 ± 0.0311	190.8 ± 6.3	283.3 ± 27.4	0.41	2.21
Tk4-108	0.01895 ± 0.00070	0.1573 ± 0.0171	121.0 ± 4.5	148.3 ± 16.1	0.78	0.80
Tk4-109	0.03878 ± 0.00120	0.3653 ± 0.0226	245.3 ± 7.6	316.2 ± 19.5	0.20	1.48
Tk4-110	0.02958 ± 0.00104	0.2934 ± 0.0267	187.9 ± 6.6	261.2 ± 23.8	0.47	3.09
Tk4-111	0.04068 ± 0.00127	0.3168 ± 0.0215	257.0 ± 8.0	279.5 ± 19.0	0.78	0.00
Tk4-112	0.02928 ± 0.00093	0.2380 ± 0.0199	186.1 ± 5.9	216.7 ± 18.1	0.74	0.18
Tk4-113	0.03270 ± 0.00096	0.2538 ± 0.0166	207.4 ± 6.1	229.7 ± 15.0	0.20	0.00
Tk4-114	0.03079 ± 0.00109	0.3206 ± 0.0310	195.5 ± 6.9	282.4 ± 27.3	0.34	0.57
Tk4-115	0.33111 ± 0.00919	5.4620 ± 0.2171	1843.7 ± 51.2	1894.6 ± 75.3	0.30	0.42
Tk4-116	0.07077 ± 0.00151	0.5335 ± 0.0441	440.8 ± 9.4	434.1 ± 35.9	0.42	0.00
Tk4-117	0.02769 ± 0.00059	0.1863 ± 0.0160	176.1 ± 3.7	173.4 ± 14.9	0.54	0.00
Tk4-118	0.04035 ± 0.00125	0.3024 ± 0.0397	255.0 ± 7.9	268.3 ± 35.2	0.68	0.00
Tk4-119	0.01736 ± 0.00035	0.1357 ± 0.0101	110.9 ± 2.2	129.2 ± 9.6	1.09	0.79
Tk4-120	0.04189 ± 0.00090	0.9827 ± 0.0534	264.5 ± 5.7	695.0 ± 37.8	0.44	0.18
Tk4-121	0.02948 ± 0.00064	0.1989 ± 0.0175	187.3 ± 4.0	184.1 ± 16.2	0.29	0.00
Tk4-122	0.01624 ± 0.00041	0.1310 ± 0.0129	103.9 ± 2.6	125.0 ± 12.3	1.10	0.23
Tk4-123	0.02714 ± 0.00091	0.2061 ± 0.0241	172.6 ± 5.8	190.3 ± 22.2	0.73	0.67
Tk4-124	0.03106 ± 0.00099	0.2186 ± 0.0241	197.2 ± 6.3	200.7 ± 22.1	0.80	1.09
Tk4-125	0.01969 ± 0.00061	0.1949 ± 0.0177	125.7 ± 3.9	180.8 ± 16.4	1.14	3.39
Sample Ak1						
Ak1-1	0.47647 ± 0.01293	11.8612 ± 0.5680	2511.9 ± 68.2	2593.4 ± 124.2	0.43	0.00
Ak1-2	0.29169 ± 0.00696	4.4632 ± 0.1904	1650.0 ± 39.4	1724.1 ± 73.6	0.72	0.06
Ak1-3	0.31861 ± 0.00730	4.8466 ± 0.1817	1783.0 ± 40.8	1793.0 ± 67.2	0.21	0.13
Ak1-4	0.02763 ± 0.00073	0.1988 ± 0.0153	175.7 ± 4.6	184.1 ± 14.1	0.47	0.33
Ak1-5	0.02656 ± 0.00077	0.1756 ± 0.0173	169.0 ± 4.9	164.3 ± 16.2	0.54	0.00
Ak1-6	0.03477 ± 0.00134	0.3048 ± 0.0416	220.4 ± 8.5	270.1 ± 36.9	0.81	2.15
Ak1-7	0.34715 ± 0.00524	6.1297 ± 0.1774	1921.0 ± 29.0	1994.4 ± 57.7	0.45	0.08
Ak1-8	0.25862 ± 0.00429	4.1836 ± 0.1533	1482.8 ± 24.6	1670.7 ± 61.2	0.26	0.02
Ak1-9	0.35703 ± 0.00615	7.1162 ± 0.2646	1968.1 ± 33.9	2126.0 ± 79.0	0.99	0.11
Ak1-10	0.03233 ± 0.00087	0.2598 ± 0.0268	205.1 ± 5.5	234.5 ± 24.2	0.38	2.86
Ak1-11	0.02517 ± 0.00058	0.1542 ± 0.0146	160.2 ± 3.7	145.6 ± 13.8	0.32	0.58
Ak1-12	0.02739 ± 0.00063	0.1984 ± 0.0174	174.2 ± 4.0	183.8 ± 16.1	0.34	0.51
Ak1-13	0.02684 ± 0.00075	0.1817 ± 0.0214	170.8 ± 4.8	169.5 ± 19.9	1.73	0.00
Ak1-14	0.02564 ± 0.00107	0.1755 ± 0.0328	163.2 ± 6.8	164.2 ± 30.7	1.03	0.00
Ak1-15	0.43713 ± 0.01458	9.6108 ± 0.5110	2337.8 ± 78.0	2398.1 ± 127.5	1.03	0.00
Ak1-16	0.02659 ± 0.00110	0.1986 ± 0.0249	169.2 ± 7.0	183.9 ± 23.0	0.23	0.00
Ak1-17	0.02855 ± 0.00105	0.1982 ± 0.0190	181.5 ± 6.7	183.6 ± 17.6	0.50	1.62
Ak1-18	0.01550 ± 0.00072	0.1301 ± 0.0195	99.2 ± 4.6	124.2 ± 18.6	0.26	0.00
Ak1-19	0.31840 ± 0.01060	5.5804 ± 0.3001	1781.9 ± 59.3	1913.0 ± 102.9	0.12	1.80
Ak1-20	0.25822 ± 0.00880	5.2346 ± 0.3004	1480.8 ± 50.5	1858.2 ± 106.6	0.39	0.00
Ak1-21	0.38095 ± 0.01269	7.4454 ± 0.3975	2080.7 ± 69.3	2166.4 ± 115.7	0.71	0.02
Ak1-22	0.33250 ± 0.01100	5.3597 ± 0.2833	1850.5 ± 61.2	1878.4 ± 99.3	0.13	0.00
Ak1-23	0.27422 ± 0.00907	4.6616 ± 0.2454	1562.2 ± 51.7	1760.3 ± 92.7	0.33	0.08
Ak1-24	0.02840 ± 0.00076	0.2166 ± 0.0253	180.5 ± 4.9	199.0 ± 23.3	0.25	0.86
Ak1-25	0.02587 ± 0.00064	0.1886 ± 0.0206	164.7 ± 4.1	175.4 ± 19.1	0.36	0.00
Ak1-26	0.03682 ± 0.00093	0.2947 ± 0.0316	233.1 ± 5.9	262.3 ± 28.2	0.25	0.00

	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)		$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
Ak1-27	0.02716 ± 0.00053	0.1853 ± 0.0160	172.7 ± 3.4	172.6 ± 14.9	0.36	1.31	Ak1-83	0.03079 ± 0.00084	0.2256 ± 0.0159	195.5 ± 5.3	206.6 ± 14.6	0.26	0.00
Ak1-28	0.27775 ± 0.00618	4.3023 ± 0.1763	1580.0 ± 35.1	1693.7 ± 69.4	0.14	0.00	Ak1-84	0.04288 ± 0.00139	0.3017 ± 0.0323	270.7 ± 8.8	267.7 ± 28.7	0.42	2.56
Ak1-29	0.02804 ± 0.00088	0.2210 ± 0.0237	178.3 ± 5.6	202.8 ± 21.8	0.41	1.44	Ak1-85	0.44745 ± 0.01055	9.6262 ± 0.2753	2383.9 ± 56.2	2399.6 ± 68.6	0.39	0.05
Ak1-30	0.03079 ± 0.00105	0.1650 ± 0.0236	195.5 ± 6.6	155.0 ± 22.2	0.87	0.00	Ak1-86	0.34729 ± 0.00813	5.9581 ± 0.1678	1921.6 ± 45.0	1969.7 ± 55.5	0.25	0.00
Ak1-31	0.30409 ± 0.00775	4.5498 ± 0.2633	1711.6 ± 43.6	1740.1 ± 100.7	0.66	0.55	Ak1-87	0.22600 ± 0.00548	4.0620 ± 0.1360	1313.5 ± 31.9	1646.6 ± 55.2	0.30	0.23
Ak1-32	0.03681 ± 0.00113	0.2487 ± 0.0248	233.0 ± 7.2	225.5 ± 22.5	0.38	1.43	Ak1-88	0.01688 ± 0.00044	0.1148 ± 0.0073	107.9 ± 2.8	110.3 ± 7.0	0.79	0.00
Ak1-33	0.02117 ± 0.00078	0.1362 ± 0.0193	135.1 ± 5.0	129.7 ± 18.4	0.62	0.00	Ak1-89	0.03024 ± 0.00083	0.2249 ± 0.0159	192.0 ± 5.3	206.0 ± 14.5	0.57	0.35
Ak1-34	0.02054 ± 0.00071	0.1364 ± 0.0170	131.1 ± 4.5	129.8 ± 16.1	2.52	2.06	Ak1-90	0.42822 ± 0.00806	9.1183 ± 0.3344	2297.7 ± 43.3	2349.9 ± 86.2	0.54	0.20
Ak1-35	0.37414 ± 0.00926	7.1424 ± 0.2819	2048.8 ± 50.7	2129.3 ± 84.0	0.71	0.00	Ak1-91	0.01751 ± 0.00048	0.1365 ± 0.0132	111.9 ± 3.0	129.9 ± 12.6	0.56	0.38
Ak1-36	0.27265 ± 0.00673	4.2975 ± 0.1735	1554.2 ± 38.4	1692.8 ± 68.3	0.13	0.13	Ak1-92	0.02844 ± 0.00065	0.1958 ± 0.0149	180.8 ± 4.2	181.6 ± 13.8	0.72	0.55
Ak1-37	0.36939 ± 0.00901	6.0818 ± 0.2321	2026.6 ± 49.4	1987.6 ± 75.9	0.26	0.10	Ak1-93	0.03162 ± 0.00066	0.2282 ± 0.0141	200.7 ± 4.2	208.7 ± 12.9	0.24	0.00
Ak1-38	0.02902 ± 0.00140	0.2151 ± 0.0416	184.4 ± 8.9	197.8 ± 38.3	0.41	2.43	Ak1-94	0.03481 ± 0.00076	0.2390 ± 0.0163	220.6 ± 4.8	217.6 ± 14.9	0.50	0.00
Ak1-39	0.03051 ± 0.00101	0.0548 ± 1.3067	193.8 ± 6.4	54.2 ± 1291.64	0.76	0.00	Ak1-95	0.02726 ± 0.00066	0.2162 ± 0.0172	173.4 ± 4.2	198.7 ± 15.8	0.21	1.61
Ak1-40	0.36538 ± 0.00553	7.3245 ± 0.5444	2007.6 ± 30.4	2151.7 ± 159.9	0.37	0.00	Ak1-96	0.04621 ± 0.00122	0.3222 ± 0.0313	291.2 ± 7.7	283.5 ± 27.6	0.54	1.36
Ak1-41	0.02696 ± 0.00094	0.1104 ± 1.2837	171.5 ± 6.0	106.4 ± 1236.28	0.23	4.28	Ak1-97	0.03120 ± 0.00122	0.2492 ± 0.0392	198.0 ± 7.8	225.9 ± 35.6	0.77	0.00
Ak1-42	0.35409 ± 0.00600	5.4854 ± 1.4235	1954.1 ± 33.1	1898.2 ± 492.6	0.33	0.06	Ak1-98	0.03184 ± 0.00072	0.2151 ± 0.0590	202.0 ± 4.6	197.8 ± 54.3	0.25	0.59
Ak1-43	0.02611 ± 0.00056	0.1572 ± 0.3234	166.2 ± 3.6	148.3 ± 305.0	0.58	0.00	Ak1-99	0.03003 ± 0.00063	0.2069 ± 0.0326	190.8 ± 4.0	190.9 ± 30.1	0.33	0.00
Ak1-44	0.02793 ± 0.00081	0.1251 ± 0.8442	177.6 ± 5.1	119.7 ± 807.6	0.37	0.19	Ak1-100	0.03180 ± 0.00071	0.2400 ± 0.0568	201.8 ± 4.5	218.4 ± 51.7	0.30	0.33
Ak1-45	0.02820 ± 0.00058	0.1814 ± 0.3030	179.3 ± 3.7	169.3 ± 282.7	0.13	0.00	Ak1-101	0.03123 ± 0.00077	0.2189 ± 0.0990	198.2 ± 4.9	201.0 ± 90.9	0.63	0.00
Ak1-46	0.02797 ± 0.00088	0.2395 ± 0.0271	177.8 ± 5.6	218.0 ± 24.7	0.30	1.82	Ak1-102	0.02889 ± 0.00077	0.2012 ± 0.1251	183.6 ± 4.9	186.2 ± 115.7	0.56	0.00
Ak1-47	0.03061 ± 0.00101	0.2218 ± 0.0289	194.4 ± 6.4	203.4 ± 26.5	0.74	0.83	Ak1-103	0.37369 ± 0.00794	6.2130 ± 0.4503	2046.7 ± 43.5	2006.2 ± 145.4	1.49	0.00
Ak1-48	0.25064 ± 0.00478	3.8663 ± 0.1402	1441.8 ± 27.5	1606.6 ± 58.3	0.10	0.00	Ak1-104	0.03069 ± 0.00077	0.2452 ± 0.1006	194.9 ± 4.9	222.7 ± 91.4	1.03	2.46
Ak1-49	0.37703 ± 0.00711	6.3622 ± 0.2208	2062.4 ± 38.9	2027.0 ± 70.4	0.17	0.09	Ak1-105	0.03243 ± 0.00097	0.2114 ± 0.2110	205.7 ± 6.1	194.7 ± 194.4	0.88	0.00
Ak1-50	0.03798 ± 0.00136	0.3233 ± 0.0390	240.3 ± 8.6	284.5 ± 34.3	0.70	2.20	Ak1-106	0.03226 ± 0.00116	0.2397 ± 0.0141	204.7 ± 7.3	218.1 ± 12.8	1.15	0.39
Ak1-51	0.23044 ± 0.00599	3.6055 ± 0.1809	1336.8 ± 34.8	1550.7 ± 77.8	0.54	0.00	Ak1-107	0.61952 ± 0.02243	25.4911 ± 1.2015	3108.0 ± 112.6	3327.1 ± 156.8	0.45	1.04
Ak1-52	0.35263 ± 0.00879	6.3220 ± 0.2747	1947.1 ± 48.5	2021.4 ± 87.8	0.47	0.04	Ak1-108	0.03106 ± 0.00137	0.2033 ± 0.0281	197.2 ± 8.7	187.9 ± 25.9	0.55	0.52
Ak1-53	0.01986 ± 0.00077	0.1777 ± 0.0237	126.8 ± 4.9	166.1 ± 22.1	0.72	0.00	Ak1-109	0.03028 ± 0.00117	0.4015 ± 0.0292	192.3 ± 7.4	342.7 ± 24.9	0.26	2.41
Ak1-54	0.42410 ± 0.01148	8.3492 ± 0.4423	2279.1 ± 61.7	2269.6 ± 120.2	0.66	0.00	Ak1-110	0.43184 ± 0.01534	10.0322 ± 0.4634	2314.0 ± 82.2	2437.7 ± 112.6	1.21	0.35
Ak1-55	0.33597 ± 0.00859	6.3029 ± 0.2937	1867.3 ± 47.8	2018.8 ± 94.1	0.16	0.43	Ak1-111	0.03909 ± 0.00161	0.2568 ± 0.0294	247.2 ± 10.2	237.1 ± 26.6	0.73	2.19
Ak1-56	0.03237 ± 0.00096	0.2797 ± 0.0231	205.4 ± 6.1	250.4 ± 20.7	0.48	2.25	Ak1-112	0.03050 ± 0.00115	0.2181 ± 0.0177	193.7 ± 7.3	200.3 ± 16.2	0.42	0.32
Ak1-57	0.02793 ± 0.00077	0.1973 ± 0.0146	177.6 ± 4.9	182.8 ± 13.5	0.23	0.00	Ak1-113	0.02769 ± 0.00108	0.2004 ± 0.0187	176.1 ± 6.9	185.5 ± 17.3	0.66	0.23
Ak1-58	0.02679 ± 0.00078	0.1696 ± 0.0151	170.4 ± 5.0	159.0 ± 14.2	0.51	0.00	Ak1-114	0.03222 ± 0.00056	0.2221 ± 0.0097	204.4 ± 3.6	203.6 ± 8.9	0.32	0.00
Ak1-59	0.30654 ± 0.00601	4.7777 ± 0.2138	1723.6 ± 33.8	1780.9 ± 79.7	0.27	0.23	Ak1-115	0.02949 ± 0.00074	0.2486 ± 0.0219	187.3 ± 4.7	225.5 ± 19.9	0.88	0.00
Ak1-60	0.03160 ± 0.00093	0.2389 ± 0.0268	200.5 ± 5.9	217.5 ± 24.4	0.49	1.48	Ak1-116	0.03022 ± 0.00113	0.2412 ± 0.0376	192.0 ± 7.2	219.4 ± 34.2	0.58	1.99
Ak1-61	0.33434 ± 0.00620	5.2661 ± 0.2134	1859.4 ± 34.5	1863.3 ± 75.5	0.24	0.15	Ak1-117	0.02683 ± 0.00064	0.1803 ± 0.0161	170.7 ± 4.1	168.3 ± 15.0	0.52	0.00
Ak1-62	0.38534 ± 0.00685	7.3179 ± 0.2723	2101.2 ± 37.3	2150.9 ± 80.0	1.07	0.00	Ak1-118	0.02899 ± 0.00054	0.1972 ± 0.0108	184.2 ± 3.5	182.8 ± 10.0	0.31	0.01
Ak1-63	0.57076 ± 0.01677	11.6702 ± 0.8015	2910.9 ± 85.5	2578.2 ± 177.1	0.81	1.08	Ak1-119	0.01540 ± 0.00041	0.1050 ± 0.0113	98.5 ± 2.6	101.4 ± 10.9	1.23	0.00
Ak1-64	0.33090 ± 0.00607	5.1326 ± 0.2041	1842.7 ± 33.8	1841.5 ± 73.2	0.27	0.15	Ak1-120	0.04331 ± 0.00188	0.2611 ± 0.0563	273.3 ± 11.8	235.6 ± 50.8	0.45	0.00
Ak1-65	0.03161 ± 0.00122	0.2294 ± 0.0361	200.6 ± 7.7	209.7 ± 33.0	0.36	0.37	Ak1-121	0.02683 ± 0.00059	0.1889 ± 0.0144	170.7 ± 3.8	175.7 ± 13.4	0.83	0.00
Ak1-66	0.03766 ± 0.00116	0.3037 ± 0.0336	238.3 ± 7.3	269.3 ± 29.8	0.99	0.49	Ak1-122	0.31108 ± 0.00745	4.8659 ± 0.1709	1746.0 ± 41.8	1796.3 ± 63.1	0.30	0.00
Ak1-67	0.03853 ± 0.00124	0.2911 ± 0.0326	243.7 ± 7.9	259.4 ± 29.1	0.82	0.00	Ak1-123	0.03281 ± 0.00111	0.2438 ± 0.0363	208.1 ± 7.0	221.6 ± 32.9	0.69	2.43
Ak1-68	0.03834 ± 0.00133	0.2606 ± 0.0342	242.5 ± 8.4	235.1 ± 30.8	0.88	1.06	Ak1-124	0.02124 ± 0.00098	0.1347 ± 0.0479	135.5 ± 6.3	128.3 ± 45.6	0.47	0.00
Ak1-69	0.03289 ± 0.00092	0.2322 ± 0.0208	208.6 ± 5.9	212.0 ± 19.0	1.13	0.00	Ak1-125	0.03015 ± 0.00096	0.2416 ± 0.0293	191.5 ± 6.1	219.7 ± 26.7	0.45	0.00
Ak1-70	0.01614 ± 0.00071	0.1125 ± 0.0205	103.2 ± 4.6	108.2 ± 19.8	0.82	0.00	Ak1-126	0.04099 ± 0.00110	0.2926 ± 0.0220	258.9 ± 6.9	260.6 ± 19.6	0.55	0.00
Ak1-71	0.02664 ± 0.00073	0.2229 ± 0.0179	169.5 ± 4.7	204.3 ± 16.4	0.37	2.52	Ak1-127	0.03167 ± 0.00078	0.2215 ± 0.0109	201.0 ± 4.9	203.2 ± 10.0	0.14	0.00
Ak1-72	0.35247 ± 0.00804	6.1637 ± 0.2373	1946.4 ± 44.4	1999.2 ± 77.0	0.27	0.22	Ak1-128	0.03435 ± 0.00086	0.2487 ± 0.0137	217.7 ± 5.5	225.5 ± 12.4	0.78	0.03
Ak1-73	0.02401 ± 0.00065	0.1902 ± 0.0151	153.0 ± 4.1	176.8 ± 14.0	0.30	1.16	Ak1-129	0.03087 ± 0.00079	0.2164 ± 0.0132	196.0 ± 5.0	198.9 ± 12.1	0.22	0.31
Ak1-74	0.02685 ± 0.00101	0.1778 ± 0.0140	170.8 ± 6.5	166.2 ± 13.1	0.38	1.03	Ak1-130	0.02756 ± 0.00074	0.1746 ± 0.0136	175.2 ± 4.7	163.4 ± 12.7	0.74	0.00
Ak1-75	0.03105 ± 0.00114	0.2204 ± 0.0140	197.1 ± 7.2	202.2 ± 12.8	0.18	1.33	Ak1-131	0.03107 ± 0.00070	0.2041 ± 0.0125	197.2 ± 4.4	188.6 ± 11.5	0.50	0.19
Ak1-76	0.32543 ± 0.01153	5.3249 ± 0.2218	1816.2 ± 64.3	1872.8 ± 78.0	0.43	0.00	Ak1-132	0.04958 ± 0.00175	0.3272 ± 0.0448	312.0 ± 11.0	287.4 ± 39.4	0.47	1.02
Ak1-77	0.02904 ± 0.00108	0.2030 ± 0.0143	184.5 ± 6.9	187.6 ± 13.2	0.45	0.00	Ak1-133	0.03048 ± 0.00084	0.2120 ± 0.0200	193.5 ± 5.4	195.2 ± 18.4	0.45	1.19
Ak1-78	0.03147 ± 0.00152	0.2803 ± 0.0405	199.8 ± 9.7	250.9 ± 36.3	0.72	0.00	Ak1-134	0.03330 ± 0.00078	0.2380 ± 0.0157	211.2 ± 4.9	216.8 ± 14.3	0.61	0.32
Ak1-79	0.03289 ± 0.00122	0.2276 ± 0.0157	208.6 ± 7.7	208.2 ± 14.3	0.64	1.04	Ak1-135	0.03006 ± 0.00068	0.2195 ± 0.0133	190.9 ± 4.3	201.5 ± 12.2	0.31	1.02
Ak1-80	0.32630 ± 0.01170	5.2142 ± 0.2246	1820.4 ± 65.3	1854.9 ± 79.9	0.37	0.49	Ak1-136	0.04586 ± 0.00176	0.3102 ± 0.0466	289.0 ± 11.1	274.3 ± 41.2	0.74	0.58
Ak1-81	0.45354 ± 0.01081	9.2394 ± 0.2776	2411.0 ± 57.5	2361.9 ± 71.0	0.60	0.13	Ak1-137	0.03010 ± 0.00114	0.2041 ± 0.0302	191.2 ± 7.3	188.5 ± 27.9	0.44	0.00
Ak1-82	0.47059 ± 0.01125	10.5105 ± 0.3168	2486.2 ± 59.4	2480.8 ± 74.8	1.15	0.10	Ak1-138	0.34228 ± 0.00699	5.5437 ± 0.1861	1897.6 ± 38.8	1907.3 ± 64.0	0.31	0.30

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Ak1-139	0.04690 ± 0.00123	0.3333 ± 0.0463	295.4 ± 7.7	292.1 ± 40.6	0.71	0.00
Ak1-140	0.04046 ± 0.00067	0.2692 ± 0.0121	255.7 ± 4.3	242.0 ± 10.9	0.66	0.20
Ak1-141	0.03145 ± 0.00071	0.2195 ± 0.0226	199.6 ± 4.5	201.5 ± 20.7	0.36	2.29
Ak1-142	0.02839 ± 0.00054	0.2018 ± 0.0138	180.5 ± 3.5	186.6 ± 12.7	0.37	0.14
Ak1-143	0.37128 ± 0.00571	6.2848 ± 0.1611	2035.4 ± 31.3	2016.3 ± 51.7	0.15	0.00
Ak1-144	0.45469 ± 0.00751	10.4208 ± 0.3104	2416.1 ± 39.9	2472.8 ± 73.7	0.51	0.00
Ak1-145	0.02851 ± 0.00052	0.1937 ± 0.0118	181.2 ± 3.3	179.8 ± 10.9	0.79	1.00
Ak1-146	0.03138 ± 0.00055	0.2355 ± 0.0121	199.2 ± 3.5	214.8 ± 11.0	0.52	0.30
Ak1-147	0.03402 ± 0.00078	0.2404 ± 0.0255	215.7 ± 5.0	218.8 ± 23.2	0.65	0.29
Sample Ak2						
Ak2-1	0.19423 ± 0.00390	2.8697 ± 0.1215	1144.2 ± 23.0	1374.0 ± 58.2	0.18	0.00
Ak2-2	0.39132 ± 0.00715	7.9200 ± 0.2369	2128.9 ± 38.9	2221.9 ± 66.5	1.04	0.00
Ak2-3	0.25949 ± 0.00526	4.0547 ± 0.1695	1487.2 ± 30.2	1645.2 ± 68.8	0.40	0.75
Ak2-4	0.03375 ± 0.00103	0.2233 ± 0.0276	214.0 ± 6.5	204.7 ± 25.3	0.30	2.94
Ak2-5	0.02757 ± 0.00084	0.1875 ± 0.0231	175.3 ± 5.4	174.5 ± 21.5	0.11	0.00
Ak2-6	0.02951 ± 0.00099	0.2594 ± 0.0323	187.5 ± 6.3	234.2 ± 29.2	0.38	0.00
Ak2-7	0.15791 ± 0.00297	2.3969 ± 0.0825	945.1 ± 17.8	1241.6 ± 42.7	0.11	1.15
Ak2-8	0.21346 ± 0.00353	3.4173 ± 0.1133	1247.3 ± 20.6	1508.3 ± 50.0	0.16	0.00
Ak2-9	0.26731 ± 0.00517	4.6440 ± 0.2006	1527.1 ± 29.5	1757.2 ± 75.9	0.68	0.00
Ak2-10	0.02892 ± 0.00102	0.1880 ± 0.0291	183.8 ± 6.5	174.9 ± 27.0	0.59	1.65
Ak2-11	0.03099 ± 0.00076	0.2586 ± 0.0226	196.8 ± 4.8	233.5 ± 20.4	1.72	0.00
Ak2-12	0.03272 ± 0.00108	0.1882 ± 0.0283	207.5 ± 6.8	175.1 ± 26.3	0.99	0.08
Ak2-13	0.29644 ± 0.00508	4.5933 ± 0.1631	1673.6 ± 28.7	1748.0 ± 62.1	0.21	0.07
Ak2-14	0.29214 ± 0.00399	4.5513 ± 0.1592	1652.2 ± 22.6	1740.3 ± 60.9	0.28	0.27
Ak2-15	0.02894 ± 0.00111	0.2017 ± 0.0353	183.9 ± 7.0	186.6 ± 32.7	0.97	0.00
Ak2-16	0.03107 ± 0.00111	0.1938 ± 0.0331	197.2 ± 7.1	179.9 ± 30.8	1.07	0.00
Ak2-17	0.28739 ± 0.00327	5.2660 ± 0.1291	1628.5 ± 18.5	1863.3 ± 45.7	0.11	0.02
Ak2-18	0.29751 ± 0.00788	4.6900 ± 0.2571	1678.9 ± 44.5	1765.4 ± 96.8	0.60	0.76
Ak2-19	0.03822 ± 0.00177	0.3078 ± 0.0556	241.8 ± 11.2	272.5 ± 49.2	0.30	0.00
Ak2-20	0.03357 ± 0.00133	0.3410 ± 0.0454	212.9 ± 8.4	297.9 ± 39.7	0.46	0.00
Ak2-21	0.30242 ± 0.00745	4.6175 ± 0.2103	1703.3 ± 41.9	1752.4 ± 79.8	1.05	0.33
Ak2-22	0.04043 ± 0.00129	0.3283 ± 0.0342	255.5 ± 8.1	288.2 ± 30.0	0.59	0.00
Ak2-23	0.02222 ± 0.00095	0.1738 ± 0.0289	141.7 ± 6.1	162.7 ± 27.0	0.24	0.00
Ak2-24	0.28497 ± 0.00702	4.3808 ± 0.1999	1616.3 ± 39.8	1708.7 ± 78.0	0.34	0.00
Ak2-25	0.40335 ± 0.00903	8.7859 ± 0.2648	2184.5 ± 48.9	2315.9 ± 69.8	0.68	0.00
Ak2-26	0.02918 ± 0.00097	0.2071 ± 0.0230	185.4 ± 6.2	191.2 ± 21.2	0.61	0.00
Ak2-27	0.23805 ± 0.00597	3.6985 ± 0.1586	1376.6 ± 34.5	1571.0 ± 67.4	0.24	0.04
Ak2-28	0.29086 ± 0.00723	4.4870 ± 0.1860	1645.8 ± 40.9	1728.5 ± 71.7	0.21	0.00
Ak2-29	0.03527 ± 0.00126	0.2240 ± 0.0297	223.5 ± 8.0	205.2 ± 27.2	0.84	1.52
Ak2-30	0.02967 ± 0.00144	0.2146 ± 0.0422	188.5 ± 9.2	197.4 ± 38.8	0.36	0.00
Ak2-31	0.33129 ± 0.00855	5.2181 ± 0.2451	1844.6 ± 47.6	1855.5 ± 87.2	0.47	0.00
Ak2-32	0.30491 ± 0.00448	4.8151 ± 0.1346	1715.6 ± 25.2	1787.5 ± 50.0	0.26	0.00
Ak2-33	0.03947 ± 0.00106	0.2725 ± 0.0300	249.5 ± 6.7	244.7 ± 27.0	0.47	0.00
Ak2-34	0.31183 ± 0.00685	4.8113 ± 0.2869	1749.7 ± 38.4	1786.8 ± 106.5	0.79	0.00
Ak2-35	0.24489 ± 0.00372	3.7842 ± 0.1162	1412.1 ± 21.5	1589.3 ± 48.8	0.94	0.00
Ak2-36	0.02882 ± 0.00102	0.4268 ± 0.0475	183.2 ± 6.5	360.9 ± 40.2	0.51	0.00
Ak2-37	0.04286 ± 0.00134	0.4963 ± 0.0531	270.5 ± 8.5	409.2 ± 43.8	0.41	0.91
Ak2-38	0.01371 ± 0.00045	0.1009 ± 0.0407	87.8 ± 2.9	97.6 ± 39.3	0.40	0.00
Ak2-39	0.31128 ± 0.00821	6.2326 ± 0.2662	1747.0 ± 46.1	2009.0 ± 85.8	0.13	0.28
Ak2-40	0.03193 ± 0.00087	0.2294 ± 0.0249	202.6 ± 5.5	209.7 ± 22.8	0.67	0.20
Ak2-41	0.03765 ± 0.00131	0.2343 ± 0.1378	238.2 ± 8.3	213.7 ± 125.7	0.68	0.00
Ak2-42	0.01418 ± 0.00069	0.0887 ± 0.1558	90.7 ± 4.4	86.3 ± 151.5	0.40	0.95
Ak2-43	0.31054 ± 0.00855	4.8937 ± 0.3199	1743.4 ± 48.0	1801.1 ± 117.7	0.40	0.00
Ak2-44	0.01775 ± 0.00071	0.1639 ± 0.0247	113.4 ± 4.6	154.1 ± 23.2	0.45	0.00
Ak2-45	0.39842 ± 0.00800	6.8204 ± 0.2745	2161.8 ± 43.4	2088.3 ± 84.1	0.27	0.27
Ak2-46	0.03388 ± 0.00096	0.2417 ± 0.0255	214.8 ± 6.1	219.8 ± 23.2	0.22	1.04

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Ak2-47	0.02407 ± 0.00076	0.1656 ± 0.0208	153.4 ± 4.8	155.6 ± 19.5	0.40	0.00
Ak2-48	0.03764 ± 0.00169	0.2277 ± 0.0474	238.2 ± 10.7	208.3 ± 43.3	0.64	0.00
Ak2-49	0.03631 ± 0.00100	0.2559 ± 0.0262	229.9 ± 6.4	231.3 ± 23.6	0.47	0.52
Ak2-50	0.02842 ± 0.00083	0.1991 ± 0.0220	180.6 ± 5.2	184.4 ± 20.4	0.50	2.39
Ak2-51	0.01355 ± 0.00040	0.0980 ± 0.0081	86.8 ± 2.5	94.9 ± 7.8	0.67	0.41
Ak2-52	0.02569 ± 0.00073	0.1957 ± 0.0144	163.5 ± 4.6	181.5 ± 13.3	0.35	1.12
Ak2-53	0.40862 ± 0.01194	9.2876 ± 0.5099	2208.6 ± 64.5	2366.7 ± 129.9	2.02	0.00
Ak2-54	0.27625 ± 0.00714	4.2420 ± 0.1836	1572.4 ± 40.7	1682.1 ± 72.8	0.22	0.00
Ak2-55	0.32362 ± 0.00828	5.2682 ± 0.2166	1807.4 ± 46.3	1863.7 ± 76.6	0.48	0.00
Ak2-56	0.02830 ± 0.00093	0.1888 ± 0.0208	179.9 ± 5.9	175.6 ± 19.4	0.27	0.00
Ak2-57	0.02566 ± 0.00083	0.1784 ± 0.0188	163.4 ± 5.3	166.6 ± 17.6	0.38	0.81
Ak2-58	0.02690 ± 0.00132	0.2990 ± 0.0528	171.1 ± 8.4	265.6 ± 46.9	1.08	0.00
Ak2-59	0.33199 ± 0.00609	5.1841 ± 0.1675	1848.0 ± 33.9	1849.9 ± 59.8	0.13	0.00
Ak2-60	0.30546 ± 0.00581	4.8456 ± 0.1745	1718.3 ± 32.7	1792.8 ± 64.6	0.25	0.36
Ak2-61	0.36449 ± 0.00644	6.8237 ± 0.1888	2003.4 ± 35.4	2088.7 ± 57.8	0.21	0.04
Ak2-62	0.02850 ± 0.00126	0.2132 ± 0.0399	181.2 ± 8.0	196.2 ± 36.7	0.91	0.00
Ak2-63	0.29771 ± 0.00565	4.7531 ± 0.1700	1679.9 ± 31.9	1776.6 ± 63.5	0.15	0.00
Ak2-64	0.30144 ± 0.00547	4.8676 ± 0.1513	1698.5 ± 30.8	1796.6 ± 55.8	0.40	0.45
Ak2-65	0.01574 ± 0.00072	0.1151 ± 0.0215	100.7 ± 4.6	110.6 ± 20.6	0.54	0.00
Ak2-66	0.40404 ± 0.00920	7.7933 ± 0.2847	2187.6 ± 49.8	2207.4 ± 80.6	0.20	0.00
Ak2-67	0.21092 ± 0.00493	2.5920 ± 0.1122	1233.7 ± 28.8	1298.3 ± 56.2	0.42	0.00
Ak2-68	0.29097 ± 0.00724	4.5006 ± 0.2169	1646.4 ± 41.0	1731.0 ± 83.4	0.63	0.00
Ak2-69	0.28336 ± 0.00671	4.4515 ± 0.1891	1608.3 ± 38.1	1721.9 ± 73.2	0.31	0.00
Ak2-70	0.02801 ± 0.00100	0.2449 ± 0.0295	178.1 ± 6.3	222.4 ± 26.8	0.53	3.15
Ak2-71	0.02730 ± 0.00094	0.2363 ± 0.0310	173.6 ± 6.0	215.4 ± 28.2	0.63	0.00
Ak2-72	0.02757 ± 0.00071	0.2854 ± 0.0234	175.4 ± 4.5	254.9 ± 20.9	0.31	2.79
Ak2-73	0.02416 ± 0.00057	0.1740 ± 0.0143	153.9 ± 3.7	162.9 ± 13.4	0.71	0.00
Ak2-74	0.16353 ± 0.00334	2.4287 ± 0.1171	976.3 ± 20.0	1251.1 ± 60.3	0.24	0.00
Ak2-75	0.27284 ± 0.00490	4.2402 ± 0.1553	1555.2 ± 27.9	1681.8 ± 61.6	0.22	0.00
Ak2-76	0.01738 ± 0.00068	0.1390 ± 0.0222	111.1 ± 4.4	132.1 ± 21.1	0.50	0.00
Ak2-77	0.01625 ± 0.00051	0.1058 ± 0.0138	103.9 ± 3.3	102.1 ± 13.4	0.77	0.22
Ak2-78	0.02978 ± 0.00070	0.1963 ± 0.0163	189.1 ± 4.4	182.0 ± 15.1	0.53	0.84
Ak2-79	0.02400 ± 0.00055	0.1722 ± 0.0133	152.9 ± 3.5	161.3 ± 12.4	0.36	0.34
Ak2-80	0.02627 ± 0.00079	0.2426 ± 0.0175	167.2 ± 5.0	220.5 ± 15.9	0.34	0.30
Ak2-81	0.03321 ± 0.00134	0.2474 ± 0.0354	210.6 ± 8.5	224.4 ± 32.1	0.75	0.00
Ak2-82	0.36589 ± 0.01018	6.1704 ± 0.2795	2010.0 ± 55.9	2000.2 ± 90.6	0.44	0.77
Ak2-83	0.02909 ± 0.00127	0.2190 ± 0.0354	184.9 ± 8.1	201.1 ± 32.5	0.81	2.87
Ak2-84	0.02584 ± 0.00079	0.1913 ± 0.0155	164.5 ± 5.0	177.8 ± 14.4	0.39	0.00
Ak2-85	0.02850 ± 0.00101	0.2077 ± 0.0239	181.1 ± 6.5	191.6 ± 22.0	0.95	2.20
Ak2-86	0.01487 ± 0.00054	0.1027 ± 0.0127	95.1 ± 3.5	99.2 ± 12.3	0.31	0.00
Ak2-87	0.34238 ± 0.00722	5.2802 ± 0.2174	1898.1 ± 40.0	1865.6 ± 76.8	0.19	0.00
Ak2-88	0.39799 ± 0.00980	5.8213 ± 0.3231	2159.8 ± 53.2	1949.5 ± 108.2	0.58	0.00
Ak2-89	0.29013 ± 0.00649	4.5313 ± 0.2121	1642.2 ± 36.7	1736.7 ± 81.3	0.43	0.00
Ak2-90	0.01698 ± 0.00066	0.1283 ± 0.0199	108.6 ± 4.2	122.5 ± 19.0	0.59	0.00
Ak2-91	0.01401 ± 0.00041	0.0965 ± 0.0103	89.7 ± 2.6	93.6 ± 10.0	0.33	0.48
Ak2-92	0.41934 ± 0.01212	9.7077 ± 0.6033	2257.5 ± 65.2	2407.3 ± 149.6	0.33	0.25
Ak2-93	0.02747 ± 0.00081	0.2117 ± 0.0219	174.7 ± 5.2	195.0 ± 20.1	0.32	0.00
Ak2-94	0.34599 ± 0.00728	6.0304 ± 0.2434	1915.4 ± 40.3	1980.2 ± 79.9	0.20	0.05
Ak2-95	0.01778 ± 0.00069	0.1458 ± 0.0219	113.6 ± 4.4	138.2 ± 20.8	0.48	0.00
Ak2-96	0.35157 ± 0.00769	6.2663 ± 0.2797	1942.1 ± 42.5	2013.7 ± 89.9	0.55	0.31
Ak2-97	0.32543 ± 0.00723	5.1486 ± 0.2457	1816.2 ± 40.4	1844.1 ± 88.0	0.71	0.00
Ak2-98	0.02856 ± 0.00074	0.2281 ± 0.0194	181.5 ± 4.7	208.6 ± 17.7	0.39	1.20
Ak2-99	0.02745 ± 0.00064	0.2439 ± 0.0156	174.6 ± 4.0	221.6 ± 14.2	0.31	0.74
Ak2-100	0.46223 ± 0.01179	12.3796 ± 0.6543	2449.4 ± 62.5	2633.5 ± 139.2	0.50	0.00
Ak2-101	0.02800 ± 0.00074	0.1952 ± 0.0182	178.0 ± 4.7	181.1 ± 16.9	0.23	0.00
Ak2-102	0.34485 ± 0.00849	5.7446 ± 0.2043	1910.0 ± 47.0	1938.0 ± 68.9	0.23	0.00

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Ak2-103	0.02740 ± 0.00088	0.1821 ± 0.0194	174.2 ± 5.6	169.8 ± 18.1	0.27	0.00
Ak2-104	0.03449 ± 0.00108	0.2418 ± 0.0235	218.6 ± 6.8	219.9 ± 21.4	1.35	1.16
Ak2-105	0.40435 ± 0.01014	9.1604 ± 0.3417	2189.0 ± 54.9	2354.1 ± 87.8	0.43	0.00
Ak2-106	0.28491 ± 0.00738	4.4955 ± 0.1981	1616.1 ± 41.8	1730.1 ± 76.2	0.19	0.00
Ak2-107	0.18474 ± 0.00493	3.0410 ± 0.1469	1092.8 ± 29.1	1417.9 ± 68.5	0.15	0.00
Ak2-108	0.31058 ± 0.00781	4.9795 ± 0.1958	1743.6 ± 43.9	1815.8 ± 71.4	0.25	0.17
Ak2-109	0.01857 ± 0.00062	0.1205 ± 0.0138	118.6 ± 3.9	115.5 ± 13.2	1.83	0.00
Sample Mk1						
Mk1-1	0.36940 ± 0.01010	9.5054 ± 0.3771	2026.6 ± 55.4	2388.0 ± 94.7	0.17	0.06
Mk1-2	0.03621 ± 0.00137	0.2215 ± 0.0306	229.3 ± 8.6	203.2 ± 28.0	1.00	0.00
Mk1-3	0.02655 ± 0.00082	0.1918 ± 0.0158	168.9 ± 5.2	178.2 ± 14.7	0.33	0.00
Mk1-4	0.36404 ± 0.01074	6.3821 ± 0.3260	2001.3 ± 59.0	2029.7 ± 103.7	0.39	0.54
Mk1-5	0.38983 ± 0.01192	7.2160 ± 0.3559	2122.0 ± 64.9	2138.4 ± 105.5	0.72	0.36
Mk1-6	0.45194 ± 0.01344	9.6610 ± 0.4193	2403.9 ± 71.5	2402.9 ± 104.3	0.41	0.58
Mk1-7	0.31592 ± 0.00660	5.1205 ± 0.1623	1769.8 ± 37.0	1839.5 ± 58.3	0.89	0.00
Mk1-8	0.02873 ± 0.00085	0.2105 ± 0.0215	182.6 ± 5.4	194.0 ± 19.8	0.31	0.00
Mk1-9	0.03494 ± 0.00086	0.2482 ± 0.0176	221.4 ± 5.4	225.1 ± 15.9	0.17	0.00
Mk1-10	0.48487 ± 0.01131	11.4050 ± 0.4429	2548.4 ± 59.4	2556.7 ± 99.3	1.18	0.00
Mk1-11	0.01726 ± 0.00058	0.1145 ± 0.0149	110.3 ± 3.7	110.1 ± 14.3	0.50	0.00
Mk1-12	0.01620 ± 0.00071	0.1230 ± 0.0217	103.6 ± 4.5	117.8 ± 20.8	0.44	0.00
Mk1-13	0.01302 ± 0.00046	0.0980 ± 0.0131	83.4 ± 2.9	94.9 ± 12.7	0.98	0.00
Mk1-14	0.38854 ± 0.01005	7.4625 ± 0.3790	2116.1 ± 54.8	2168.4 ± 110.1	0.50	0.00
Mk1-15	0.37052 ± 0.01114	7.4151 ± 0.2764	2031.9 ± 61.1	2162.7 ± 80.6	0.10	0.16
Mk1-16	0.01366 ± 0.00066	0.0881 ± 0.0275	87.5 ± 4.2	85.7 ± 26.8	1.01	0.00
Mk1-17	0.41895 ± 0.01341	9.6540 ± 0.4638	2255.7 ± 72.2	2402.2 ± 115.4	0.58	0.00
Mk1-18	0.34776 ± 0.01118	5.3032 ± 0.2939	1923.9 ± 61.9	1869.3 ± 103.6	0.28	0.14
Mk1-19	0.35180 ± 0.01084	5.8527 ± 0.2579	1943.2 ± 59.9	1954.2 ± 86.1	0.57	0.00
Mk1-20	0.32183 ± 0.00707	5.0333 ± 0.2695	1798.7 ± 39.5	1824.9 ± 97.7	0.82	0.44
Mk1-21	0.40536 ± 0.00756	8.2337 ± 0.3003	2193.7 ± 40.9	2257.0 ± 82.3	0.51	0.00
Mk1-22	0.02795 ± 0.00074	0.1994 ± 0.0197	177.7 ± 4.7	184.6 ± 18.3	0.20	0.15
Mk1-23	0.01530 ± 0.00072	0.1040 ± 0.0219	97.9 ± 4.6	100.5 ± 21.2	0.43	0.00
Mk1-24	0.38681 ± 0.00721	6.9229 ± 0.2591	2108.0 ± 39.3	2101.5 ± 78.7	0.53	0.00
Mk1-25	0.43644 ± 0.00928	10.1019 ± 0.3996	2334.7 ± 49.6	2444.1 ± 96.7	0.43	0.47
Mk1-26	0.45477 ± 0.00971	10.1052 ± 0.4067	2416.4 ± 51.6	2444.4 ± 98.4	0.99	0.00
Mk1-27	0.46586 ± 0.00946	10.5826 ± 0.3782	2465.4 ± 50.1	2487.1 ± 88.9	0.29	0.00
Mk1-28	0.03910 ± 0.00177	0.2537 ± 0.0507	247.3 ± 11.2	229.6 ± 45.9	1.19	0.00
Mk1-29	0.33943 ± 0.00707	5.3228 ± 0.2175	1883.9 ± 39.3	1872.5 ± 76.5	0.12	0.06
Mk1-30	0.33001 ± 0.00650	5.1487 ± 0.1781	1838.4 ± 36.2	1844.1 ± 63.8	0.62	0.00
Mk1-31	0.03228 ± 0.00136	0.2874 ± 0.0458	204.8 ± 8.6	256.5 ± 40.9	0.99	0.33
Mk1-32	0.44898 ± 0.01114	9.7996 ± 0.5246	2390.7 ± 59.3	2416.0 ± 129.3	1.11	0.21
Mk1-33	0.01435 ± 0.00057	0.0979 ± 0.0166	91.8 ± 3.6	94.8 ± 16.1	1.03	0.00
Mk1-34	0.42097 ± 0.00831	8.4417 ± 0.3147	2264.9 ± 44.7	2279.6 ± 85.0	0.41	0.00
Mk1-35	0.43126 ± 0.00787	9.2731 ± 0.2793	2311.4 ± 42.2	2365.3 ± 71.2	0.69	0.04
Mk1-36	0.01405 ± 0.00045	0.0955 ± 0.0122	89.9 ± 2.9	92.6 ± 11.8	0.67	4.60
Mk1-37	0.43492 ± 0.00810	8.9425 ± 0.2869	2327.9 ± 43.4	2332.1 ± 74.8	0.47	0.16
Mk1-38	0.03351 ± 0.00147	0.3022 ± 0.0513	212.5 ± 9.4	268.1 ± 45.5	1.10	2.29
Mk1-39	0.03260 ± 0.00122	0.3423 ± 0.0450	206.8 ± 7.8	298.9 ± 39.3	0.57	0.00
Mk1-40	0.06077 ± 0.00221	0.2601 ± 0.0483	380.3 ± 13.8	234.8 ± 43.6	0.44	3.85
Mk1-41	0.01366 ± 0.00050	0.0977 ± 0.0147	87.5 ± 3.2	94.6 ± 14.2	0.54	0.00
Mk1-42	0.35775 ± 0.00719	5.6458 ± 0.2141	1971.5 ± 39.7	1923.0 ± 72.9	0.12	0.00
Mk1-43	0.23245 ± 0.00712	3.6393 ± 0.3050	1347.3 ± 41.3	1558.1 ± 130.6	0.75	2.08
Mk1-44	0.02784 ± 0.00082	0.1869 ± 0.0209	177.0 ± 5.2	174.0 ± 19.4	0.33	0.00
Mk1-45	0.01296 ± 0.00058	0.0923 ± 0.0179	83.0 ± 3.7	89.6 ± 17.3	0.86	0.00
Mk1-46	0.37730 ± 0.00772	6.8122 ± 0.2648	2063.6 ± 42.2	2087.2 ± 81.0	0.50	0.00
Mk1-47	0.01315 ± 0.00057	0.0903 ± 0.0157	84.2 ± 3.6	87.7 ± 15.2	1.67	0.00
Mk1-48	0.02907 ± 0.00139	0.2276 ± 0.0426	184.7 ± 8.8	208.2 ± 39.0	0.95	0.35

	²⁰⁶ Pb/ ²³⁸ U	²⁰⁷ Pb/ ²³⁵ U	²³⁸ U- ²⁰⁶ Pb age (Ma)	²³⁵ U- ²⁰⁷ Pb age (Ma)	Th/U	²⁰⁶ PbC (%)
Mk1-49	0.34197 ± 0.00804	5.7160 ± 0.2098	1896.2 ± 44.6	1933.7 ± 71.0	0.73	0.00
Mk1-50	0.41112 ± 0.00976	8.4933 ± 0.3171	2220.0 ± 52.7	2285.1 ± 85.3	0.60	0.00
Mk1-51	0.30771 ± 0.00939	5.0867 ± 0.2280	1729.4 ± 52.8	1833.8 ± 82.2	0.15	0.00
Mk1-52	0.32064 ± 0.00978	4.9321 ± 0.2211	1792.9 ± 54.7	1807.7 ± 81.0	0.12	0.00
Mk1-53	0.01277 ± 0.00048	0.0780 ± 0.0093	81.8 ± 3.1	76.3 ± 9.1	0.60	0.00
Mk1-54	0.02891 ± 0.00102	0.2330 ± 0.0210	183.7 ± 6.5	212.7 ± 19.2	0.97	0.00
Mk1-55	0.36841 ± 0.01177	6.9913 ± 0.3658	2021.9 ± 64.6	2110.3 ± 110.4	0.57	0.00
Mk1-56	0.29397 ± 0.00892	4.6912 ± 0.2051	1661.4 ± 50.4	1765.6 ± 77.2	0.12	0.00
Mk1-57	0.34225 ± 0.01150	5.7268 ± 0.3578	1897.5 ± 63.7	1935.4 ± 120.9	0.27	0.08
Mk1-58	0.02976 ± 0.00110	0.3640 ± 0.0440	189.0 ± 7.0	315.2 ± 38.1	0.85	0.00
Mk1-59	0.32391 ± 0.00661	5.1110 ± 0.2175	1808.8 ± 36.9	1837.9 ± 78.2	0.35	0.00
Mk1-60	0.01681 ± 0.00056	0.1276 ± 0.0164	107.5 ± 3.6	121.9 ± 15.6	0.95	0.00
Mk1-61	0.03060 ± 0.00140	0.3121 ± 0.0525	194.3 ± 8.9	275.8 ± 46.4	0.67	0.13
Mk1-62	0.37424 ± 0.00758	6.6028 ± 0.2702	2049.3 ± 41.5	2059.7 ± 84.3	0.58	0.00
Mk1-63	0.01367 ± 0.00068	0.1261 ± 0.0243	87.5 ± 4.3	120.6 ± 23.2	0.59	1.84
Mk1-64	0.49369 ± 0.01057	12.0467 ± 0.5187	2586.6 ± 55.4	2608.0 ± 112.3	0.65	0.34
Mk1-65	0.28666 ± 0.00770	4.4538 ± 0.1557	1624.8 ± 43.7	1722.3 ± 60.2	0.38	0.00
Mk1-66	0.30705 ± 0.00758	4.8623 ± 0.1869	1726.2 ± 42.6	1795.7 ± 69.0	0.40	0.00
Mk1-67	0.03477 ± 0.00112	0.2921 ± 0.0286	220.4 ± 7.1	260.2 ± 25.5	0.83	3.04
Mk1-68	0.02708 ± 0.00076	0.2092 ± 0.0153	172.2 ± 4.8	192.9 ± 14.1	0.49	0.00
Mk1-69	0.34058 ± 0.00833	5.7952 ± 0.2136	1889.5 ± 46.2	1945.6 ± 71.7	0.10	0.08
Mk1-70	0.19596 ± 0.00506	2.9561 ± 0.1348	1153.6 ± 29.8	1396.4 ± 63.7	0.16	0.56
Mk1-71	0.23759 ± 0.00583	3.7041 ± 0.1407	1374.2 ± 33.7	1572.2 ± 59.7	0.37	0.17
Mk1-72	0.01282 ± 0.00057	0.0795 ± 0.0149	82.1 ± 3.6	77.7 ± 14.5	0.85	0.00
Mk1-73	0.01483 ± 0.00034	0.1259 ± 0.0498	94.9 ± 2.2	120.4 ± 47.6	0.35	1.54
Mk1-74	0.01543 ± 0.00068	0.1231 ± 0.2102	98.7 ± 4.3	117.9 ± 201.3	0.75	2.73
Mk1-75	0.35621 ± 0.00389	6.2525 ± 0.2340	1964.2 ± 21.4	2011.8 ± 75.3	0.50	0.18
Mk1-76	0.01280 ± 0.00049	0.0894 ± 0.1283	82.0 ± 3.1	86.9 ± 124.8	0.58	2.27
Mk1-77	0.27758 ± 0.00299	4.3668 ± 0.1658	1579.2 ± 17.0	1706.0 ± 64.8	0.61	0.00
Mk1-78	0.29766 ± 0.00336	4.5830 ± 0.1949	1679.7 ± 18.9	1746.1 ± 74.2	0.64	0.23
Mk1-79	0.01296 ± 0.00033	0.0927 ± 0.0561	83.0 ± 2.1	90.0 ± 54.5	0.56	2.35
Mk1-80	0.01232 ± 0.00040	0.0769 ± 0.0883	78.9 ± 2.6	75.3 ± 86.3	0.91	2.96
Mk1-81	0.30210 ± 0.00864	4.8054 ± 0.2147	1701.7 ± 48.7	1785.8 ± 79.8	0.24	0.00
Mk1-82	0.01262 ± 0.00046	0.0833 ± 0.0098	80.8 ± 2.9	81.2 ± 9.5	0.99	0.00
Mk1-83	0.02731 ± 0.00089	0.1980 ± 0.0170	173.7 ± 5.7	183.4 ± 15.8	0.28	0.00
Mk1-84	0.36319 ± 0.01058	6.0462 ± 0.2886	1997.3 ± 58.2	1982.5 ± 94.6	0.46	0.11
Mk1-85	0.28911 ± 0.00849	4.3928 ± 0.2185	1637.1 ± 48.1	1710.9 ± 85.1	0.51	0.00
Mk1-86	0.40050 ± 0.01187	7.8775 ± 0.3902	2171.4 ± 64.4	2217.0 ± 109.8	0.52	0.17
Mk1-87	0.38733 ± 0.01157	7.3687 ± 0.3721	2110.4 ± 63.0	2157.1 ± 108.9	0.45	0.00
Mk1-88	0.02818 ± 0.00088	0.1976 ± 0.0156	179.1 ± 5.6	183.1 ± 14.4	0.17	0.69
Mk1-89	0.34784 ± 0.00986	5.7595 ± 0.2467	1924.3 ± 54.6	1940.3 ± 83.1	0.57	0.00
Mk1-90	0.38420 ± 0.01081	6.8375 ± 0.2821	2095.9 ± 59.0	2090.5 ± 86.2	0.58	0.00
Mk1-91	0.02854 ± 0.00099	0.2038 ± 0.0213	181.4 ± 6.3	188.4 ± 19.7	0.37	0.00
Mk1-92	0.02859 ± 0.00088	0.1916 ± 0.0145	181.7 ± 5.6	178.0 ± 13.5	0.92	0.00
Mk1-93	0.03113 ± 0.00116	0.2595 ± 0.0297	197.6 ± 7.4	234.2 ± 26.8	0.46	1.39
Mk1-94	0.44132 ± 0.01236	8.8196 ± 0.3537	2356.6 ± 66.0	2319.4 ± 93.0	0.42	0.00
Mk1-95	0.36704 ± 0.01041	6.1878 ± 0.2646	2015.5 ± 57.2	2002.6 ± 85.6	0.24	0.00
Mk1-96	0.01236 ± 0.00043	0.0809 ± 0.0084	79.2 ± 2.8	79.0 ± 8.2	0.83	0.00
Mk1-97	0.37359 ± 0.01073	7.5280 ± 0.2834	2046.3 ± 58.8	2176.2 ± 81.9	0.36	0.00
Mk1-98	0.38588 ± 0.01130	7.4037 ± 0.3057	2103.7 ± 61.6	2161.3 ± 89.2	0.60	0.00
Mk1-99	0.31337 ± 0.00893	4.8707 ± 0.1802	1757.3 ± 50.1	1797.1 ± 66.5	0.30	0.00
Mk1-100	0.39479 ± 0.00959	8.0735 ± 0.3018	2145.0 ± 52.1	2239.2 ± 83.7	0.57	0.00
Mk1-101	0.37156 ± 0.00894	6.4943 ± 0.2393	2036.7 ± 49.0	2045.0 ± 75.4	0.34	0.00
Mk1-102	0.01567 ± 0.00064	0.1015 ± 0.0169	100.2 ± 4.1	98.2 ± 16.4	0.94	0.69
Mk1-103	0.03647 ± 0.00126	0.2818 ± 0.0332	230.9 ± 8.0	252.1 ± 29.7	0.61	3.44
Mk1-104	0.34423 ± 0.00874	6.4050 ± 0.2809	1907.0 ± 48.4	2032.9 ± 89.2	0.48	0.34

	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	^{238}U - ^{206}Pb age (Ma)	^{235}U - ^{207}Pb age (Ma)	Th/U	^{206}PbC (%)
Mk1-105	0.42681 ± 0.01021	9.4918 ± 0.3339	2291.3 ± 54.8	2386.7 ± 84.0	0.63	0.02
Mk1-106	0.04848 ± 0.00219	0.3898 ± 0.0672	305.2 ± 13.8	334.2 ± 57.6	0.27	0.62
Mk1-107	0.04273 ± 0.00156	0.2805 ± 0.0388	269.7 ± 9.8	251.1 ± 34.7	0.90	0.01
Mk1-108	0.41666 ± 0.00880	7.7868 ± 0.2471	2245.3 ± 47.4	2206.6 ± 70.0	0.41	0.00
Mk1-109	0.32021 ± 0.00721	5.1853 ± 0.1874	1790.8 ± 40.3	1850.1 ± 66.9	0.22	0.00
Mk1-110	0.34063 ± 0.00682	7.0702 ± 0.1995	1889.7 ± 37.8	2120.2 ± 59.8	0.43	0.00
Mk1-111	0.01253 ± 0.00062	0.0867 ± 0.0085	80.3 ± 4.0	84.4 ± 8.3	1.72	0.00
Mk1-112	0.32145 ± 0.00695	5.0693 ± 0.1727	1796.8 ± 38.9	1830.9 ± 62.4	0.39	0.01
Mk1-113	0.01406 ± 0.00049	0.1260 ± 0.0161	90.0 ± 3.1	120.5 ± 15.4	0.49	0.00
Mk1-114	0.19076 ± 0.00383	3.4137 ± 0.1497	1125.5 ± 22.6	1507.5 ± 66.1	0.62	0.30
Mk1-115	0.03683 ± 0.00122	0.2833 ± 0.0365	233.2 ± 7.7	253.3 ± 32.6	0.65	3.11
Mk1-116	0.01425 ± 0.00038	0.1041 ± 0.0100	91.2 ± 2.4	100.6 ± 9.7	0.42	1.55
Mk1-117	0.56428 ± 0.01297	17.7598 ± 0.8784	2884.3 ± 66.3	2976.7 ± 147.2	0.36	0.61
Mk1-118	0.02889 ± 0.00069	0.2079 ± 0.0163	183.6 ± 4.4	191.7 ± 15.0	0.58	0.00
Mk1-119	0.02569 ± 0.00066	0.2038 ± 0.0178	163.5 ± 4.2	188.3 ± 16.4	0.44	1.10
Mk1-120	0.38988 ± 0.00819	7.7612 ± 0.3632	2122.3 ± 44.6	2203.6 ± 103.1	1.43	0.20
Mk1-121	0.03164 ± 0.00105	0.2594 ± 0.0230	200.8 ± 6.7	234.2 ± 20.8	0.60	0.10
Mk1-122	0.46369 ± 0.01300	12.0659 ± 0.4772	2455.8 ± 68.9	2609.4 ± 103.2	0.95	0.00
Mk1-123	0.49212 ± 0.01435	13.4252 ± 0.5970	2579.8 ± 75.2	2709.9 ± 120.5	0.87	0.02
Mk1-124	0.33592 ± 0.00945	5.9827 ± 0.2450	1867.0 ± 52.5	1973.3 ± 80.8	0.24	0.00
Mk1-125	0.05549 ± 0.00218	0.6215 ± 0.0693	348.1 ± 13.7	490.8 ± 54.7	0.58	0.00
Mk1-126	0.01668 ± 0.00068	0.1642 ± 0.0207	106.7 ± 4.4	154.4 ± 19.5	0.74	0.00
Mk1-127	0.31771 ± 0.00906	5.4890 ± 0.2384	1778.5 ± 50.7	1898.8 ± 82.5	0.37	0.11
Mk1-128	0.19601 ± 0.00562	3.0804 ± 0.1390	1153.9 ± 33.1	1427.8 ± 64.4	0.19	0.24
Mk1-129	0.01478 ± 0.00057	0.1312 ± 0.0156	94.6 ± 3.7	125.2 ± 14.9	0.45	2.92
Mk1-130	0.02754 ± 0.00101	0.1678 ± 0.0194	175.2 ± 6.4	157.5 ± 18.2	0.41	0.71
Mk1-131	0.03419 ± 0.00124	0.2448 ± 0.0255	216.7 ± 7.9	222.3 ± 23.2	0.73	0.50
Mk1-132	0.02740 ± 0.00105	0.1833 ± 0.0225	174.2 ± 6.7	170.9 ± 21.0	0.53	0.00
Mk1-133	0.34623 ± 0.01057	5.8619 ± 0.2708	1916.6 ± 58.5	1955.5 ± 90.3	0.30	0.00
Mk1-134	0.28579 ± 0.00890	4.4105 ± 0.2217	1620.5 ± 50.5	1714.2 ± 86.2	0.18	0.00
Mk1-135	0.05668 ± 0.00222	0.4083 ± 0.0367	355.4 ± 13.9	347.7 ± 31.2	1.30	0.36
Mk1-136	0.32915 ± 0.01237	6.2196 ± 0.3649	1834.3 ± 68.9	2007.1 ± 117.8	0.26	0.33
Mk1-137	0.42518 ± 0.01619	10.5518 ± 0.6186	2284.0 ± 87.0	2484.4 ± 145.6	1.09	0.00
Mk1-138	0.02656 ± 0.00109	0.2219 ± 0.0223	169.0 ± 6.9	203.5 ± 20.4	0.63	0.02
Mk1-139	0.01176 ± 0.00049	0.0782 ± 0.0089	75.4 ± 3.1	76.4 ± 8.7	0.42	0.38
Mk1-140	0.01140 ± 0.00052	0.0876 ± 0.0117	73.1 ± 3.3	85.2 ± 11.4	1.06	3.24