Appendix 2

Laser Ablation, High-Resolution, Inductively Coupled Plasma Mass Spectrometry (La-Hr-Icp-Ms) Analyses for Detrital Zircon U-Pb Geochronology

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EASTERN CORDILLERA																
CSM02: Sama Fm., Cambrian (n=118), (21.5°S, 64.92°W)																
CSM02_74	572.00	2.93	0.68540	0.00940	0.07960	0.00100	0.81405	529.8	5.7	493.6	6.1	642.0	12.0	493.6	6.1	6.8
CSM02_8	237.00	0.96	0.66000	0.01300	0.08100	0.00160	0.73975	514.9	7.9	501.7	9.5	572.0	19.0	501.7	9.5	2.6
CSM02_48	348.00	0.81	0.68390	0.00620	0.08122	0.00076	0.58786	529.0	3.7	503.4	4.6	621.0	11.0	503.4	4.6	4.8
CSM02_102	196.00	1.55	0.67240	0.00840	0.08213	0.00087	0.65043	521.9	5.1	508.8	5.2	553.0	12.0	508.8	5.2	2.5
CSM02_73	333.20	0.90	0.69960	0.00630	0.08257	0.00072	0.72071	538.4	3.7	511.4	4.3	615.2	7.9	511.4	4.3	5.0
CSM02_75	541.00	20.60	0.70360	0.00600	0.08271	0.00063	0.62706	540.8	3.6	512.3	3.7	626.2	8.5	512.3	3.7	5.3
CSM02_79	359.00	1.74	0.71670	0.00900	0.08321	0.00097	0.54333	548.4	5.4	515.2	5.8	653.0	15.0	515.2	5.8	6.1
CSM02_21	280.00	2.48	0.68850	0.00960	0.08510	0.00130	0.73676	531.6	5.8	527.2	7.9	561.0	13.0	527.2	7.9	0.8
CSM02_66	453.00	19.90	0.74200	0.01700	0.08650	0.00190	0.83755	562.8	9.7	535.0	11.0	666.0	16.0	535.0	11.0	4.9
CSM02_106	677.00	3.60	0.79100	0.02900	0.08790	0.00270	0.92964	594.0	17.0	546.0	17.0	741.0	20.0	546.0	17.0	8.1
CSM02_63	1353.00	1.85	0.74200	0.00740	0.08882	0.00094	0.56823	563.5	4.3	548.5	5.6	606.0	10.0	548.5	5.6	2.7
CSM02_35	521.30	0.43	0.75700	0.01000	0.08980	0.00140	0.67535	572.2	5.8	554.1	8.6	655.0	11.0	554.1	8.6	3.2
CSM02_93	1400.00	26.20	0.77080	0.00580	0.08983	0.00072	0.72767	580.1	3.3	554.5	4.3	654.7	5.6	554.5	4.3	4.4
CSM02_99	904.00	2.07	0.74470	0.00760	0.09140	0.00120	0.68329	565.0	4.4	563.9	7.2	568.0	11.0	563.9	7.2	0.2
CSM02_42	215.50	0.32	0.76000	0.01100	0.09180	0.00100	0.55872	574.6	6.2	566.1	6.1	610.0	18.0	566.1	6.1	1.5
CSM02_15	187.00	0.42	0.78300	0.01200	0.09300	0.00120	0.62348	587.0	7.0	573.0	7.2	646.0	16.0	573.0	7.2	2.4
CSM02_54	390.00	0.64	0.76950	0.00890	0.09320	0.00130	0.76278	579.3	5.1	574.5	7.4	601.5	9.3	574.5	7.4	0.8
CSM02_69	348.00	1.71	0.76470	0.00890	0.09330	0.00110	0.58899	576.5	5.2	575.2	6.3	596.0	12.0	575.2	6.3	0.2
CSM02_23	142.00	1.13	0.77100	0.01100	0.09340	0.00110	0.64382	580.2	6.2	575.6	6.4	581.0	13.0	575.6	6.4	0.8
CSM02_94	186.20	2.12	0.78800	0.01100	0.09380	0.00140	0.68198	589.5	6.2	578.1	8.5	648.0	15.0	578.1	8.5	1.9
CSM02_108	341.00	1.21	0.77100	0.01000	0.09400	0.00130	0.75242	580.2	5.9	579.1	7.9	589.0	12.0	579.1	7.9	0.2
CSM02_6	268.00	0.44	0.78750	0.00950	0.09440	0.00110	0.73637	589.5	5.4	581.2	6.7	624.7	8.9	581.2	6.7	1.4
CSM02_26	399.00	0.79	0.79700	0.01100	0.09440	0.00130	0.81553	595.0	6.1	581.3	7.4	646.7	9.8	581.3	7.4	2.3
CSM02_20	124.00	0.51	0.86500	0.03400	0.09450	0.00150	0.70498	631.0	18.0	582.1	8.9	816.0	59.0	582.1	8.9	7.7
CSM02_95	1124.00	2.14	0.80000	0.01200	0.09480	0.00150	0.76515	596.6	6.7	583.5	8.9	621.0	11.0	583.5	8.9	2.2
CSM02_112	391.10	1.33	0.78130	0.00800	0.09490	0.00075	0.61995	586.0	4.5	584.4	4.4	591.0	8.9	584.4	4.4	0.3
CSM02_118	261.90	1.41	0.80220	0.00640	0.09571	0.00084	0.47843	597.9	3.6	589.2	4.9	620.0	12.0	589.2	4.9	1.5
CSM02_71	311.00	0.67	0.80810	0.00940	0.09590	0.00150	0.58459	601.1	5.3	590.4	8.9	652.0	17.0	590.4	8.9	1.8
CSM02_56	385.30	1.98	0.80530	0.00860	0.09600	0.00130	0.64534	599.6	4.8	591.0	7.4	645.0	11.0	591.0	7.4	1.4
CSM02_58	237.00	4.67	0.80400	0.01100	0.09610	0.00150	0.67709	599.6	6.5	591.7	8.5	619.0	13.0	591.7	8.5	1.3
CSM02_97	99.50	1.24	0.81100	0.01100	0.09700	0.00120	0.61367	603.5	5.8	596.8	6.8	622.0	14.0	596.8	6.8	1.1
CSM02_76	426.00	0.91	0.82010	0.00780	0.09729	0.00087	0.72267	608.0	4.4	598.5	5.1	645.1	9.5	598.5	5.1	1.6
CSM02_119	280.80	0.88	0.81450	0.00800	0.09738	0.00089	0.57146	604.8	4.5	599.0	5.3	625.0	11.0	599.0	5.3	1.0
CSM02_78	151.70	0.90	0.82700	0.01200	0.09760	0.00150	0.70016	611.8	6.6	600.3	9.0	658.0	16.0	600.3	9.0	1.9
CSM02_14	354.00	0.35	0.82000	0.01000	0.09780	0.00100	0.61163	608.7	5.6	601.4	6.1	630.5	9.6	601.4	6.1	1.2
CSM02_107	164.70	1.49	0.81500	0.01100	0.09780	0.00130	0.62835	606.0	6.2	601.5	7.5	626.0	17.0	601.5	7.5	0.7
CSM02_9	75.10	0.99	0.82700	0.01800	0.09790	0.00180	0.71991	612.0	10.0	602.0	11.0	663.0	18.0	602.0	11.0	1.6
CSM02_114	293.50	1.95	0.81800	0.01100	0.09810	0.00110	0.70863	607.8	6.3	603.0	6.6	623.0	12.0	603.0	6.6	0.8
CSM02_46	423.00	3.28	0.82860	0.00690	0.09819	0.00075	0.65693	612.7	3.8	603.7	4.4	641.4	7.6	603.7	4.4	1.5
CSM02_13	62.23	0.20	0.81900	0.01200	0.09821	0.00091	0.42747	609.0	6.1	603.9	5.3	622.0	15.0	603.9	5.3	0.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
CSM02_63	1149.00	0.98	0.83280	0.00810	0.09899	0.00097	0.72159	615.1	4.5	608.5	5.7	612.0	12.0	608.5	5.7	1.1
CSM02_64	532.60	0.58	0.83870	0.00950	0.09940	0.00120	0.72353	618.2	5.3	610.9	7.1	646.0	11.0	610.9	7.1	1.2
CSM02_49	235.00	4.42	0.84500	0.00850	0.10010	0.00100	0.57849	621.7	4.7	615.2	5.8	650.0	11.0	615.2	5.8	1.0
CSM02_103	145.00	0.84	0.83600	0.01100	0.10060	0.00120	0.64937	616.5	6.0	617.6	6.8	624.0	16.0	617.6	6.8	0.2
CSM02_90	261.30	5.44	0.85440	0.00950	0.10100	0.00120	0.67849	626.8	5.2	620.3	7.1	646.0	14.0	620.3	7.1	1.0
CSM02_60	167.90	0.79	0.86400	0.01100	0.10110	0.00130	0.50095	632.7	5.8	620.6	7.8	690.0	13.0	620.6	7.8	1.9
CSM02_59	222.00	0.45	0.85660	0.00730	0.10130	0.00120	0.44444	628.2	4.0	621.7	7.3	666.0	16.0	621.7	7.3	1.0
CSM02_3	219.00	1.70	0.85460	0.00870	0.10135	0.00088	0.49272	627.0	4.8	622.3	5.2	638.0	11.0	622.3	5.2	0.7
CSM02_40	457.00	0.62	0.85370	0.00730	0.10159	0.00096	0.70258	626.5	4.0	623.7	5.6	639.2	8.7	623.7	5.6	0.4
CSM02_61	79.30	0.67	0.85100	0.01000	0.10190	0.00120	0.19651	624.9	5.7	625.7	7.0	644.0	19.0	625.7	7.0	0.1
CSM02_72	400.90	4.84	0.83600	0.01100	0.10200	0.00150	0.66639	616.7	6.2	625.8	8.9	595.0	16.0	625.8	8.9	1.5
CSM02_80	212.00	2.77	0.85700	0.01500	0.10220	0.00200	0.68733	627.9	8.4	627.0	12.0	625.0	19.0	627.0	12.0	0.1
CSM02_104	662.00	1.16	0.86250	0.00940	0.10220	0.00140	0.84803	631.3	5.1	627.2	8.2	633.0	8.6	627.2	8.2	0.6
CSM02_111	265.00	0.72	0.86160	0.00840	0.10234	0.00068	0.33249	632.0	4.6	628.1	4.0	642.0	11.0	628.1	4.0	0.6
CSM02_12	240.00	0.77	0.86030	0.00780	0.10244	0.00080	0.62730	630.1	4.3	628.6	4.7	634.2	9.8	628.6	4.7	0.2
CSM02_52	962.00	3.93	0.87900	0.01100	0.10260	0.00110	0.64751	640.2	5.8	629.4	6.3	676.0	15.0	629.4	6.3	1.7
CSM02_1	223.50	0.79	0.86600	0.01200	0.10230	0.00170	0.69861	633.8	6.8	630.0	10.0	663.0	14.0	630.0	10.0	0.6
CSM02_41	185.00	2.50	0.86420	0.00770	0.10289	0.00084	0.42545	632.2	4.2	631.3	4.9	631.0	11.0	631.3	4.9	0.1
CSM02_88	172.00	0.79	0.87170	0.00800	0.10294	0.00083	0.32682	636.3	4.3	631.6	4.9	650.0	11.0	631.6	4.9	0.7
CSM02_18	525.00	2.00	0.86640	0.00620	0.10322	0.00077	0.43738	633.5	3.4	633.2	4.5	625.0	11.0	633.2	4.5	0.0
CSM02_116	166.10	0.81	0.87900	0.01000	0.10370	0.00110	0.58708	640.4	5.4	635.8	6.2	649.0	12.0	635.8	6.2	0.7
CSM02_100	237.00	2.27	0.87120	0.00730	0.10381	0.00078	0.14209	636.1	4.0	636.7	4.6	630.0	13.0	636.7	4.6	0.1
CSM02_4	237.00	0.64	0.86490	0.00620	0.10404	0.00071	0.27771	633.1	3.3	638.0	4.2	616.6	9.0	638.0	4.2	0.8
CSM02_53	1308.90	3.37	0.88670	0.00650	0.10410	0.00082	0.73211	644.5	3.5	638.3	4.8	660.1	6.3	638.3	4.8	1.0
CSM02_57	42.20	0.32	0.84800	0.01500	0.10460	0.00140	0.39623	622.8	8.0	641.4	8.4	578.0	20.0	641.4	8.4	3.0
CSM02_115	190.60	1.27	0.88450	0.00950	0.10500	0.00100	0.41287	643.9	5.3	643.6	6.0	658.0	15.0	643.6	6.0	0.0
CSM02_43	66.90	0.76	0.88200	0.01200	0.10520	0.00110	0.20052	641.4	6.5	644.6	6.4	637.0	16.0	644.6	6.4	0.5
CSM02_105	132.80	0.51	0.88300	0.01100	0.10520	0.00110	0.55189	642.3	5.8	644.6	6.2	625.0	12.0	644.6	6.2	0.4
CSM02_27	715.00	4.12	0.89420	0.00850	0.10540	0.00120	0.63382	649.0	4.5	646.0	7.3	652.0	12.0	646.0	7.3	0.5
CSM02_68	170.00	1.33	0.89510	0.00880	0.10570	0.00100	0.56832	648.9	4.8	647.6	6.0	659.0	11.0	647.6	6.0	0.2
CSM02_7	419.00	4.97	0.90000	0.01500	0.10600	0.00150	0.86051	651.1	7.8	649.1	9.0	650.1	9.3	649.1	9.0	0.3
CSM02_82	257.00	5.00	0.89130	0.00930	0.10597	0.00099	0.45762	646.8	5.0	650.0	5.9	645.0	13.0	650.0	5.9	0.5
CSM02_70	104.60	2.11	0.89700	0.01000	0.10611	0.00084	0.15925	649.7	5.4	650.1	4.9	647.0	18.0	650.1	4.9	0.1
CSM02_47	545.00	2.34	0.90470	0.00760	0.10624	0.00080	0.74837	654.1	4.0	650.8	4.7	674.0	7.6	650.8	4.7	0.5
CSM02_19	530.00	3.91	0.88650	0.00890	0.10630	0.00110	0.66949	644.3	4.8	650.9	6.4	627.9	8.5	650.9	6.4	1.0
CSM02_44	189.00	0.43	0.88500	0.01800	0.10640	0.00160	0.57601	644.8	9.4	651.8	9.6	609.0	28.0	651.8	9.6	1.1
CSM02_62	496.00	5.40	0.91940	0.00840	0.10971	0.00079	0.54525	661.9	4.4	671.1	4.6	633.0	7.5	671.1	4.6	1.4
CSM02_98	416.60	2.21	0.92700	0.01100	0.11000	0.00130	0.81943	665.5	5.8	672.9	7.6	631.6	7.8	672.9	7.6	1.1
CSM02_32	830.00	8.20	0.93700	0.01300	0.11050	0.00170	0.69458	671.0	6.9	675.4	9.7	654.0	19.0	675.4	9.7	0.7
CSM02_50	394.00	12.30	0.93300	0.01100	0.11050	0.00120	0.66079	668.7	5.9	675.6	6.7	649.5	9.5	675.6	6.7	1.0
CSM02_38	171.00	1.11	0.93400	0.01200	0.11080	0.00120	0.58954	670.5	6.3	677.1	7.1	642.0	16.0	677.1	7.1	1.0
CSM02_16	156.90	0.41	0.93500	0.01500	0.11100	0.00190	0.63278	669.8	7.7	678.0	11.0	646.0	16.0	678.0	11.0	1.2
CSM02_24	376.00	0.43	0.95500	0.01000	0.11110	0.00110	0.73103	680.5	5.4	679.0	6.5	698.0	9.5	679.0	6.5	0.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
CSM02_55	276.00	1.29	0.98380	0.00870	0.11425	0.00075	0.42419	695.4	4.4	698.0	4.5	698.1	9.4	698.0	4.5	0.4
CSM02_96	202.00	2.25	0.98400	0.01100	0.11510	0.00140	0.58126	695.1	5.4	702.2	7.9	666.0	13.0	702.2	7.9	1.0
CSM02_33	281.00	8.80	1.00600	0.02400	0.11570	0.00230	0.81396	707.0	12.0	705.0	13.0	717.0	18.0	705.0	13.0	0.3
CSM02_28	497.00	3.85	1.07100	0.02400	0.11810	0.00180	0.85362	738.0	11.0	719.0	10.0	810.0	20.0	719.0	10.0	2.6
CSM02_84	368.00	1.02	1.10680	0.00890	0.12160	0.00120	0.60033	756.4	4.3	739.9	7.0	810.0	11.0	739.9	7.0	2.2
CSM02_81	986.00	6.61	1.11800	0.01500	0.12340	0.00170	0.65363	761.9	6.9	749.9	9.6	800.0	14.0	749.9	9.6	1.6
CSM02_87	177.00	3.17	1.15200	0.03300	0.12520	0.00280	0.91120	776.0	16.0	760.0	16.0	838.0	20.0	760.0	16.0	2.1
CSM02_10	347.40	1.43	1.14900	0.01400	0.12590	0.00180	0.72122	776.3	6.5	765.0	10.0	796.0	10.0	765.0	10.0	1.5
CSM02_25	474.00	2.86	1.15700	0.01400	0.12640	0.00130	0.48811	780.4	6.8	767.2	7.5	836.0	22.0	767.2	7.5	1.7
CSM02_31	1032.00	10.48	1.13760	0.00690	0.12757	0.00083	0.59128	771.7	3.2	774.0	4.8	763.8	9.3	774.0	4.8	0.3
CSM02_106	214.10	2.15	1.30300	0.02100	0.12780	0.00210	0.72994	849.0	10.0	775.0	12.0	1002.0	18.0	775.0	12.0	8.7
CSM02_22	199.00	4.10	1.18800	0.02700	0.12790	0.00150	0.82032	794.0	13.0	776.0	8.5	850.0	32.0	776.0	8.5	2.3
CSM02_120	1108.00	1.53	1.16800	0.01400	0.12820	0.00150	0.71756	785.6	6.8	777.7	8.5	806.0	12.0	777.7	8.5	1.0
CSM02_11	154.00	2.58	1.18800	0.02000	0.13130	0.00180	0.83971	794.4	9.3	796.0	10.0	784.0	11.0	796.0	10.0	0.2
CSM02_92	81.50	0.98	1.22800	0.02000	0.13230	0.00170	0.50310	812.9	8.9	801.0	9.6	839.0	19.0	801.0	9.6	1.5
CSM02_45	314.00	1.36	1.25200	0.01700	0.13540	0.00160	0.34036	823.9	7.7	818.5	9.2	840.0	17.0	818.5	9.2	0.7
CSM02_17	328.00	4.06	1.42600	0.02400	0.13680	0.00230	0.85343	899.0	10.0	827.0	13.0	1071.0	11.0	827.0	13.0	8.0
CSM02_83	68.10	1.49	1.56400	0.03400	0.14220	0.00270	0.54320	956.0	13.0	857.0	15.0	1221.0	29.0	857.0	15.0	10.4
CSM02_109	109.40	1.48	1.38000	0.01400	0.14610	0.00150	0.60044	880.7	5.9	878.9	8.6	879.7	9.0	878.9	8.6	0.2
CSM02_81	377.00	1.28	1.96900	0.03300	0.17750	0.00340	0.80782	1105.0	11.0	1053.0	19.0	1203.0	17.0	1203.0	17.0	12.5
CSM02_30	896.00	26.40	2.84000	0.03200	0.24170	0.00330	0.61654	1366.0	8.5	1396.0	17.0	1326.3	8.0	1326.3	8.0	5.3
CSM02_5	126.20	2.00	2.98000	0.04200	0.23270	0.00280	0.86708	1402.0	11.0	1348.0	15.0	1487.0	10.0	1487.0	10.0	9.3
CSM02_30	285.90	1.61	3.55900	0.02200	0.27170	0.00190	0.41497	1540.2	5.0	1549.6	9.4	1521.2	7.8	1521.2	7.8	1.9
CSM02_37	21.40	0.61	4.54900	0.05600	0.30940	0.00370	0.29480	1739.0	10.0	1737.0	18.0	1732.0	16.0	1732.0	16.0	0.3
CSM02_36	470.00	0.86	4.97800	0.06100	0.32830	0.00370	0.88903	1815.0	10.0	1830.0	18.0	1793.6	7.5	1793.6	7.5	2.0
CSM02_39	262.30	6.90	5.31500	0.09600	0.33650	0.00480	0.93388	1869.0	15.0	1872.0	24.0	1867.8	9.9	1867.8	9.9	0.2
CSM02_86	46.90	0.60	5.30100	0.06000	0.32880	0.00380	0.67424	1868.5	9.7	1832.0	18.0	1895.0	12.0	1895.0	12.0	3.3
CSM02_2	90.00	2.46	5.81500	0.06900	0.33890	0.00440	0.69770	1948.0	10.0	1881.0	21.0	2016.8	9.0	2016.8	9.0	6.7
CSM02_110	111.00	1.87	4.98000	0.11000	0.28810	0.00560	0.87241	1817.0	19.0	1631.0	28.0	2020.9	8.7	2020.9	8.7	19.3
CSM02_85	111.10	0.82	6.58200	0.08200	0.37130	0.00480	0.78014	2056.0	11.0	2035.0	23.0	2074.9	7.8	2074.9	7.8	1.9
CSM02_113	90.80	1.12	6.71000	0.09000	0.37830	0.00490	0.69460	2076.0	11.0	2071.0	22.0	2075.0	12.0	2075.0	12.0	0.2
CSM02_67	181.50	0.66	10.28000	0.06700	0.45760	0.00390	0.77069	2460.9	6.2	2429.0	17.0	2485.5	5.3	2485.5	5.3	2.3
CSM02_89	670.00	1.47	11.54000	0.10000	0.47710	0.00420	0.65465	2567.7	8.3	2515.0	18.0	2608.0	9.0	2608.0	9.0	3.6
CSM02_51	243.00	7.29	11.32000	0.29000	0.43140	0.00900	0.89775	2546.0	24.0	2318.0	39.0	2753.0	15.0	2753.0	15.0	15.8
CSM02_65	330.30	5.91	17.61000	0.27000	0.57350	0.00780	0.60448	2971.0	15.0	2921.0	32.0	3007.0	19.0	3007.0	19.0	2.9
EASTERN CORDILLERA																
CGO23: Agua y Toro Fm., Early Ordovician (n=114), (21.4°S, 65.34°W)																
CGO23_93	97.40	1.35	0.62300	0.01400	0.07870	0.00150	0.35623	490.8	8.9	488.0	9.0	472.0	59.0	488.0	9.0	0.6
CGO23_30	309.00	1.02	0.62150	0.00930	0.07923	0.00094	0.48186	490.6	5.8	491.5	5.6	483.0	32.0	491.5	5.6	0.2
CGO23_17	127.40	1.11	0.61600	0.01100	0.07939	0.00098	0.21465	487.8	6.6	492.4	5.9	479.0	42.0	492.4	5.9	0.9
CGO23_25	193.00	1.44	0.62400	0.01200	0.07956	0.00099	0.52201	493.3	7.5	493.4	5.9	482.0	39.0	493.4	5.9	0.0
CGO23_89	563.00	1.52	0.63320	0.00760	0.08026	0.00072	0.53991	497.9	4.7	497.7	4.3	480.0	22.0	497.7	4.3	0.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
CGO23_8	254.00	0.81	0.71000	0.02700	0.08180	0.00230	0.81456	548.0	15.0	507.0	14.0	750.0	47.0	507.0	14.0	7.5
CGO23_88	1560.00	2.56	0.70300	0.02100	0.08270	0.00240	0.88598	542.0	12.0	512.0	14.0	650.0	25.0	512.0	14.0	5.5
CGO23_66	3160.00	0.93	0.72900	0.01100	0.08290	0.00140	0.80612	556.7	6.2	513.1	8.2	746.0	20.0	513.1	8.2	7.8
CGO23_21	425.00	1.52	0.68110	0.00960	0.08758	0.00094	0.56784	527.2	5.8	542.0	5.7	480.0	27.0	542.0	5.7	2.8
CGO23_7	667.00	0.91	0.76970	0.00990	0.09230	0.00150	0.58106	579.4	5.7	569.2	9.0	640.0	27.0	569.2	9.0	1.8
CGO23_100	679.00	1.56	0.75230	0.00740	0.09240	0.00110	0.54887	570.7	4.3	569.5	6.5	564.0	18.0	569.5	6.5	0.2
CGO23_12	54.40	1.27	0.78100	0.02000	0.09300	0.00150	0.07507	585.0	11.0	572.9	9.0	651.0	69.0	572.9	9.0	2.1
CGO23_48	290.00	1.38	0.76200	0.00920	0.09503	0.00099	0.48339	575.7	5.1	585.1	5.8	536.0	28.0	585.1	5.8	1.6
CGO23_58	253.00	1.41	0.78300	0.01300	0.09500	0.00170	0.42358	587.0	7.2	585.2	9.7	602.0	41.0	585.2	9.7	0.3
CGO23_109	369.00	1.58	0.77300	0.01200	0.09510	0.00150	0.67369	581.1	6.9	585.5	8.9	587.0	32.0	585.5	8.9	0.8
CGO23_60	239.00	0.88	0.77000	0.01000	0.09545	0.00095	0.41076	579.6	5.8	587.7	5.6	561.0	26.0	587.7	5.6	1.4
CGO23_62	586.00	1.46	0.78420	0.00790	0.09753	0.00095	0.49366	587.7	4.5	599.9	5.6	553.0	24.0	599.9	5.6	2.1
CGO23_77	708.00	1.20	0.81700	0.01000	0.09760	0.00120	0.41107	606.0	5.8	600.3	7.0	623.0	29.0	600.3	7.0	0.9
CGO23_87	235.60	3.83	0.81850	0.00970	0.09820	0.00100	0.46115	607.0	5.5	604.0	6.0	616.0	25.0	604.0	6.0	0.5
CGO23_27	214.50	1.47	0.88500	0.02300	0.09900	0.00230	0.40821	643.0	12.0	608.0	14.0	767.0	59.0	608.0	14.0	5.4
CGO23_53	138.30	0.54	0.81700	0.01600	0.09980	0.00170	0.59150	605.7	8.8	613.0	10.0	579.0	29.0	613.0	10.0	1.2
CGO23_83	186.00	4.23	0.84500	0.02000	0.09970	0.00280	0.59312	621.0	11.0	613.0	17.0	679.0	53.0	613.0	17.0	1.3
CGO23_44	597.00	20.00	0.82330	0.00900	0.10040	0.00130	0.62342	609.6	5.0	616.4	7.4	585.0	26.0	616.4	7.4	1.1
CGO23_98	365.60	1.42	0.84730	0.00880	0.10059	0.00077	0.41650	623.6	5.0	617.9	4.5	646.0	21.0	617.9	4.5	0.9
CGO23_61	298.10	1.30	0.84300	0.01400	0.10140	0.00170	0.35721	620.4	7.9	622.0	10.0	609.0	36.0	622.0	10.0	0.3
CGO23_96	139.10	0.60	0.85500	0.01100	0.10180	0.00099	0.21648	628.2	5.8	624.9	5.8	612.0	30.0	624.9	5.8	0.5
CGO23_116	294.90	0.77	0.84200	0.01200	0.10190	0.00110	0.64982	620.0	6.9	625.3	6.3	614.0	27.0	625.3	6.3	0.9
CGO23_115	905.00	0.77	0.86910	0.00900	0.10200	0.00120	0.62894	634.9	4.9	626.2	6.9	677.0	18.0	626.2	6.9	1.4
CGO23_51	136.00	1.62	0.85100	0.01300	0.10240	0.00120	0.23482	624.8	6.9	628.5	7.2	571.0	37.0	628.5	7.2	0.6
CGO23_57	176.20	4.60	0.85600	0.01200	0.10248	0.00088	0.30948	628.5	6.3	628.9	5.1	625.0	28.0	628.9	5.1	0.1
CGO23_68	293.80	0.66	0.85070	0.00810	0.10265	0.00092	0.36025	624.9	4.5	629.9	5.4	620.0	25.0	629.9	5.4	0.8
CGO23_84	256.00	0.80	0.88700	0.01400	0.10343	0.00096	0.35076	644.4	7.5	634.5	5.6	679.0	31.0	634.5	5.6	1.5
CGO23_6	345.00	0.82	0.86600	0.01000	0.10429	0.00095	0.52336	633.4	5.6	639.5	5.5	620.0	22.0	639.5	5.5	1.0
CGO23_95	372.00	0.97	0.90700	0.01000	0.10630	0.00110	0.60518	655.2	5.4	651.1	6.2	661.0	22.0	651.1	6.2	0.6
CGO23_94	147.40	1.58	0.91600	0.01400	0.10690	0.00120	0.26022	660.7	7.6	654.7	7.0	675.0	36.0	654.7	7.0	0.9
CGO23_78	411.20	10.54	0.91500	0.00910	0.10700	0.00100	0.50610	659.5	4.8	655.4	5.9	654.0	19.0	655.4	5.9	0.6
CGO23_46	225.00	1.15	0.88000	0.01300	0.10730	0.00130	0.53741	641.4	6.8	657.1	7.6	581.0	28.0	657.1	7.6	2.4
CGO23_99	248.50	0.91	0.91100	0.01100	0.10830	0.00120	0.42088	657.8	6.1	662.6	7.0	630.0	26.0	662.6	7.0	0.7
CGO23_33	355.00	1.75	0.93180	0.00990	0.10840	0.00120	0.52680	669.0	5.3	663.4	6.7	689.0	21.0	663.4	6.7	0.8
CGO23_108	2453.00	5.80	0.92940	0.00800	0.10849	0.00097	0.71948	667.2	4.2	663.9	5.6	680.0	14.0	663.9	5.6	0.5
CGO23_97	349.00	35.00	0.94000	0.02700	0.10890	0.00220	0.71987	672.0	14.0	666.0	13.0	667.0	39.0	666.0	13.0	0.9
CGO23_117	483.00	24.60	0.96500	0.03900	0.10890	0.00320	0.53424	685.0	20.0	666.0	19.0	748.0	69.0	666.0	19.0	2.8
CGO23_74	534.00	7.81	0.95300	0.01100	0.10890	0.00120	0.50518	679.5	5.5	666.2	6.8	717.0	22.0	666.2	6.8	2.0
CGO23_92	417.00	0.64	0.93100	0.01100	0.10910	0.00110	0.56402	668.0	5.7	667.6	6.2	659.0	22.0	667.6	6.2	0.1
CGO23_24	3050.00	4.39	0.95900	0.02000	0.10920	0.00220	0.85652	683.0	10.0	668.0	13.0	705.0	20.0	668.0	13.0	2.2
CGO23_16	368.00	0.77	0.90900	0.01100	0.10950	0.00140	0.66381	657.0	5.8	669.5	7.9	616.0	20.0	669.5	7.9	1.9
CGO23_38	532.00	12.25	0.91100	0.01200	0.10940	0.00150	0.69064	657.3	6.6	670.1	8.6	628.0	24.0	670.1	8.6	1.9

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
CGO23_64	213.00	1.48	0.90200	0.01100	0.10980	0.00140	0.57860	652.5	5.9	671.3	8.2	619.0	27.0	671.3	8.2	2.9
CGO23_59	411.00	1.19	0.91600	0.01100	0.11060	0.00110	0.63899	660.6	5.7	676.0	6.6	631.0	21.0	676.0	6.6	2.3
CGO23_111	325.00	0.93	0.92600	0.01500	0.11130	0.00140	0.69311	666.5	8.1	680.2	8.2	639.0	26.0	680.2	8.2	2.1
CGO23_90	414.20	4.34	0.96500	0.01100	0.11150	0.00140	0.56671	685.6	5.8	681.3	7.9	669.0	22.0	681.3	7.9	0.6
CGO23_42	189.80	1.18	0.93900	0.01500	0.11160	0.00150	0.54773	673.0	8.3	682.1	8.9	640.0	31.0	682.1	8.9	1.4
CGO23_63	113.30	8.19	0.94500	0.01500	0.11180	0.00120	0.26730	674.8	7.9	683.2	7.2	667.0	36.0	683.2	7.2	1.2
CGO23_35	226.00	1.83	0.96000	0.01500	0.11260	0.00160	0.62146	682.6	7.6	687.4	9.4	682.0	27.0	687.4	9.4	0.7
CGO23_103	192.00	11.40	1.09700	0.07600	0.11390	0.00420	0.78761	749.0	36.0	695.0	25.0	856.0	79.0	695.0	25.0	7.2
CGO23_106	118.00	1.28	1.31700	0.07700	0.11400	0.00150	0.50712	843.0	34.0	695.8	8.7	1210.0	110.0	695.8	8.7	17.5
CGO23_112	461.00	11.15	0.96000	0.01500	0.11400	0.00170	0.75716	684.8	7.6	696.1	9.8	649.0	23.0	696.1	9.8	1.7
CGO23_10	327.00	1.50	0.97300	0.01200	0.11430	0.00110	0.56171	689.8	5.9	697.4	6.5	647.0	21.0	697.4	6.5	1.1
CGO23_22	192.60	1.26	0.98700	0.01400	0.11440	0.00130	0.36755	696.7	7.1	698.0	7.5	689.0	27.0	698.0	7.5	0.2
CGO23_3	761.00	46.70	0.98700	0.01100	0.11510	0.00110	0.61883	697.8	5.5	703.2	6.7	700.0	19.0	703.2	6.7	0.8
CGO23_101	243.00	1.65	0.97900	0.01800	0.11590	0.00160	0.54435	692.4	9.2	707.0	9.1	635.0	28.0	707.0	9.1	2.1
CGO23_18	85.60	1.52	1.07900	0.01800	0.12030	0.00170	0.34066	743.3	8.8	731.9	9.9	755.0	35.0	731.9	9.9	1.5
CGO23_9	641.00	0.72	1.06600	0.01100	0.12370	0.00140	0.66922	737.4	5.1	752.0	8.2	707.0	18.0	752.0	8.2	2.0
CGO23_15	345.70	1.60	1.09900	0.01200	0.12640	0.00110	0.44973	752.5	5.8	767.4	6.1	713.0	23.0	767.4	6.1	2.0
CGO23_67	148.10	2.68	1.28800	0.03300	0.13370	0.00220	0.42559	840.0	15.0	809.0	13.0	917.0	44.0	809.0	13.0	3.7
CGO23_11	635.00	1.61	1.24400	0.01300	0.13660	0.00120	0.66465	820.7	5.9	825.1	6.9	807.0	19.0	825.1	6.9	0.5
CGO23_76	112.30	2.32	1.31400	0.01900	0.14130	0.00190	0.23355	851.2	8.4	852.0	11.0	834.0	35.0	852.0	11.0	0.1
CGO23_105	322.00	1.81	1.30500	0.01400	0.14320	0.00150	0.46872	848.8	6.2	862.4	8.3	819.0	21.0	862.4	8.3	1.6
CGO23_75	107.10	2.52	1.47300	0.02300	0.14810	0.00230	0.39128	918.8	9.6	890.0	13.0	969.0	40.0	890.0	13.0	3.1
CGO23_113	480.40	4.51	1.36900	0.02000	0.15170	0.00150	0.36866	875.7	8.6	910.6	8.5	814.0	31.0	910.6	8.5	4.0
CGO23_31	91.50	2.71	1.49200	0.02700	0.15450	0.00190	0.49904	926.0	11.0	926.0	11.0	937.0	32.0	926.0	11.0	0.0
CGO23_114	168.80	1.48	1.58700	0.01600	0.16390	0.00190	0.15824	966.0	6.3	978.0	10.0	940.0	31.0	940.0	10.0	1.2
CGO23_118	465.00	0.94	1.59600	0.02700	0.15830	0.00230	0.80459	968.0	10.0	947.0	13.0	1006.0	22.0	947.0	13.0	2.2
CGO23_73	147.10	0.47	1.65800	0.03000	0.16800	0.00260	0.63212	993.0	11.0	1001.0	15.0	960.0	28.0	960.0	28.0	4.3
CGO23_45	914.00	2.53	1.63600	0.05400	0.16280	0.00500	0.90452	983.0	21.0	972.0	28.0	1002.0	32.0	1002.0	32.0	3.0
CGO23_80	298.70	5.14	1.71600	0.01800	0.16960	0.00190	0.57133	1014.3	6.6	1010.0	11.0	1003.0	20.0	1003.0	20.0	0.7
CGO23_55	89.40	2.42	1.89000	0.02900	0.18670	0.00290	0.40854	1079.0	11.0	1103.0	16.0	1011.0	39.0	1011.0	39.0	9.1
CGO23_4	730.00	6.55	1.82700	0.04900	0.18050	0.00410	0.89843	1054.0	18.0	1069.0	23.0	1033.0	23.0	1033.0	23.0	3.5
CGO23_39	130.00	3.58	2.00900	0.05200	0.19750	0.00460	0.87236	1116.0	18.0	1161.0	25.0	1033.0	28.0	1033.0	28.0	12.4
CGO23_56	344.00	1.98	1.91300	0.03100	0.18730	0.00400	0.74875	1085.0	11.0	1106.0	22.0	1036.0	28.0	1036.0	28.0	6.8
CGO23_72	300.00	1.87	1.87900	0.02200	0.18390	0.00230	0.70447	1073.2	7.7	1090.0	13.0	1039.0	22.0	1039.0	22.0	4.9
CGO23_70	270.50	2.70	1.75000	0.02900	0.17220	0.00280	0.79056	1031.0	10.0	1024.0	15.0	1044.0	22.0	1044.0	22.0	1.9
CGO23_71	229.70	1.76	1.88800	0.01900	0.18460	0.00190	0.47569	1077.3	6.8	1092.0	10.0	1047.0	20.0	1047.0	20.0	4.3
CGO23_23	279.70	2.53	1.85300	0.01500	0.17980	0.00140	0.40094	1066.0	5.6	1065.6	7.5	1059.0	19.0	1059.0	19.0	0.6
CGO23_69	423.00	3.18	1.82100	0.03100	0.17690	0.00250	0.80746	1052.0	11.0	1050.0	14.0	1062.0	17.0	1062.0	17.0	1.1
CGO23_29	499.00	1.80	1.84300	0.01900	0.17870	0.00180	0.61844	1061.6	6.5	1060.0	10.0	1068.0	18.0	1068.0	18.0	0.7
CGO23_26	508.30	2.35	1.94200	0.02100	0.18470	0.00210	0.66689	1095.3	7.2	1094.0	12.0	1082.0	17.0	1082.0	17.0	1.1
CGO23_52	293.70	3.41	1.95000	0.03700	0.18500	0.00320	0.76614	1099.0	13.0	1094.0	17.0	1088.0	24.0	1088.0	24.0	0.6
CGO23_49	224.00	1.28	2.28900	0.04100	0.21470	0.00380	0.87141	1207.0	13.0	1253.0	20.0	1102.0	18.0	1102.0	18.0	13.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
CGO23_107	354.40	1.07	2.00600	0.03600	0.18850	0.00340	0.64681	1116.0	12.0	1113.0	19.0	1105.0	29.0	1105.0	29.0	0.7
CGO23_86	346.00	4.70	1.93600	0.02100	0.18380	0.00240	0.63611	1093.2	7.4	1088.0	13.0	1108.0	23.0	1108.0	23.0	1.8
CGO23_110	181.00	1.48	1.99400	0.03800	0.18410	0.00250	0.27394	1117.0	14.0	1089.0	14.0	1175.0	37.0	1175.0	37.0	7.3
CGO23_14	94.70	1.44	1.83200	0.04200	0.16950	0.00250	0.35945	1056.0	15.0	1009.0	14.0	1183.0	50.0	1183.0	50.0	14.7
CGO23_32	778.00	1.80	2.34100	0.02800	0.21220	0.00280	0.88880	1225.5	8.8	1240.0	15.0	1195.0	14.0	1195.0	14.0	3.8
CGO23_82	457.90	2.11	2.27700	0.03500	0.19840	0.00300	0.65895	1204.0	11.0	1166.0	16.0	1273.0	23.0	1273.0	23.0	8.4
CGO23_37	940.00	5.75	1.99000	0.16000	0.17300	0.00850	0.97322	1104.0	52.0	1028.0	47.0	1275.0	63.0	1275.0	63.0	19.4
CGO23_1	374.00	2.31	2.94300	0.02300	0.24810	0.00210	0.69553	1392.6	6.0	1428.0	11.0	1341.0	13.0	1341.0	13.0	6.5
CGO23_13	308.90	3.40	3.11800	0.04600	0.25750	0.00280	0.89503	1436.0	11.0	1477.0	14.0	1364.0	15.0	1364.0	15.0	8.3
CGO23_47	505.80	10.40	2.35700	0.07700	0.18950	0.00360	0.88796	1233.0	22.0	1118.0	19.0	1433.0	33.0	1433.0	33.0	22.0
CGO23_34	249.00	1.74	3.58500	0.04500	0.27240	0.00280	0.77540	1546.0	10.0	1553.0	14.0	1536.0	18.0	1536.0	18.0	1.1
CGO23_19	360.00	2.96	3.80300	0.03700	0.28500	0.00310	0.89658	1592.9	7.8	1616.0	16.0	1560.0	11.0	1560.0	11.0	3.6
CGO23_43	143.00	2.57	3.54000	0.21000	0.26000	0.01300	0.96001	1524.0	48.0	1485.0	66.0	1597.0	29.0	1597.0	29.0	7.0
CGO23_5	378.00	1.43	4.62500	0.07200	0.32140	0.00480	0.78852	1755.0	13.0	1796.0	23.0	1720.0	18.0	1720.0	18.0	4.4
CGO23_54	206.00	1.36	5.84800	0.06900	0.37170	0.00440	0.72286	1953.0	10.0	2040.0	21.0	1866.0	16.0	1866.0	16.0	9.3
CGO23_36	117.30	1.16	5.94600	0.06300	0.37520	0.00330	0.55624	1967.3	9.2	2058.0	16.0	1897.0	15.0	1897.0	15.0	8.5
CGO23_40	167.70	2.06	6.73000	0.14000	0.39550	0.00690	0.87919	2075.0	19.0	2147.0	32.0	2014.0	22.0	2014.0	22.0	6.6
CGO23_41	533.00	2.24	6.67700	0.08000	0.38820	0.00400	0.73498	2070.0	10.0	2114.0	19.0	2035.0	14.0	2035.0	14.0	3.9
CGO23_81	90.38	1.93	6.64500	0.06800	0.37550	0.00530	0.69702	2064.6	9.1	2055.0	25.0	2065.0	17.0	2065.0	17.0	0.5
CGO23_91	82.30	0.45	7.30100	0.09400	0.39710	0.00390	0.54163	2148.0	12.0	2155.0	18.0	2137.0	19.0	2137.0	19.0	0.8
CGO23_65	94.90	1.39	7.62000	0.11000	0.41760	0.00600	0.92623	2186.0	13.0	2249.0	27.0	2141.0	18.0	2141.0	18.0	5.0
CGO23_20	78.20	1.64	8.91600	0.09000	0.43660	0.00460	0.68988	2328.7	9.2	2335.0	21.0	2311.0	13.0	2311.0	13.0	1.0
CGO23_102	318.00	1.45	8.66000	0.14000	0.38910	0.00500	0.90524	2304.0	15.0	2118.0	23.0	2466.0	13.0	2466.0	13.0	14.1
CGO23_79	152.50	2.33	7.43000	0.20000	0.33130	0.00820	0.89970	2163.0	25.0	1843.0	39.0	2470.0	18.0	2470.0	18.0	25.4
CGO23_2	281.00	0.80	14.23000	0.12000	0.55050	0.00570	0.72596	2764.9	7.8	2827.0	24.0	2722.0	12.0	2722.0	12.0	3.9
INTERANDEAN ZONE																
EVL05DZ: Huamampampa Fm., Middle Devonian (n=108), (19.66°S, 64.26°W)																
EVL05DZ_13	129.20	0.66	0.62500	0.01600	0.05930	0.00170	0.32306	494.0	10.0	371.0	10.0	1120.0	69.0	371.0	10.0	24.9
EVL05DZ_9	277.00	1.24	0.57600	0.01300	0.06160	0.00150	0.34283	461.2	8.1	385.3	8.9	837.0	56.0	385.3	8.9	16.5
EVL05DZ_113	129.00	0.40	0.61000	0.03400	0.06480	0.00100	0.37168	480.0	21.0	404.6	6.0	850.0	110.0	404.6	6.0	15.7
EVL05DZ_98	448.00	0.89	0.61500	0.01600	0.06580	0.00300	0.62360	489.0	10.0	410.0	18.0	870.0	67.0	410.0	18.0	16.2
EVL05DZ_28	565.00	18.18	0.52700	0.01200	0.06760	0.00190	0.70594	428.9	8.2	423.0	12.0	470.0	43.0	423.0	12.0	1.4
EVL05DZ_81	330.00	2.18	0.57800	0.01100	0.06870	0.00110	0.46799	462.7	6.8	428.2	6.4	619.0	43.0	428.2	6.4	7.5
EVL05DZ_108	196.00	0.95	0.63800	0.02000	0.07042	0.00099	0.25845	500.0	11.0	438.6	6.0	770.0	42.0	438.6	6.0	12.3
EVL05DZ_20	129.00	0.70	0.59800	0.01400	0.07170	0.00160	0.62235	475.3	8.8	446.1	9.4	597.0	40.0	446.1	9.4	6.1
EVL05DZ_11	157.00	1.10	0.59900	0.01700	0.07360	0.00180	0.56389	476.0	11.0	458.0	11.0	554.0	50.0	458.0	11.0	3.8
EVL05DZ_49	327.00	0.97	0.59400	0.00780	0.07440	0.00100	0.53241	473.2	5.0	462.3	6.0	507.0	27.0	462.3	6.0	2.3
EVL05DZ_43	192.00	0.90	0.64200	0.01600	0.07470	0.00280	0.48553	503.2	9.9	464.0	17.0	640.0	66.0	464.0	17.0	7.8
EVL05DZ_38	123.50	0.68	0.80900	0.08600	0.07510	0.00250	0.23190	587.0	45.0	466.0	15.0	1000.0	190.0	466.0	15.0	20.6
EVL05DZ_24	248.00	3.90	0.60000	0.01100	0.07510	0.00100	0.54768	477.0	7.0	467.0	6.2	521.0	35.0	467.0	6.2	2.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EVL05DZ_45	314.40	3.02	0.58350	0.00830	0.07530	0.00130	0.42864	467.8	5.6	467.8	7.6	446.0	38.0	467.8	7.6	0.0
EVL05DZ_21	418.00	1.75	0.64000	0.01700	0.07550	0.00140	0.77667	504.9	9.7	469.0	8.6	672.0	36.0	469.0	8.6	7.1
EVL05DZ_115	217.00	4.86	0.59100	0.01100	0.07540	0.00120	0.31497	470.8	6.9	469.6	6.8	456.0	43.0	469.6	6.8	0.3
EVL05DZ_116	306.00	3.63	0.62370	0.00760	0.07600	0.00110	0.38054	492.0	4.8	472.4	6.7	549.0	31.0	472.4	6.7	4.0
EVL05DZ_83	176.00	1.22	0.65400	0.01800	0.07660	0.00210	0.64099	510.0	11.0	475.0	13.0	645.0	55.0	475.0	13.0	6.9
EVL05DZ_59	94.00	0.45	0.62500	0.02100	0.07670	0.00180	0.34608	491.0	13.0	476.0	11.0	569.0	66.0	476.0	11.0	3.1
EVL05DZ_27	248.00	1.36	0.63100	0.01100	0.07780	0.00140	0.52538	496.3	6.7	482.7	8.3	558.0	40.0	482.7	8.3	2.7
EVL05DZ_92	230.00	7.53	0.63600	0.02000	0.07790	0.00230	0.88717	499.0	12.0	484.0	14.0	603.0	47.0	484.0	14.0	3.0
EVL05DZ_105	302.00	1.43	0.64800	0.01900	0.07860	0.00230	0.71965	507.0	11.0	488.0	13.0	556.0	48.0	488.0	13.0	3.7
EVL05DZ_93	226.70	0.73	0.63200	0.01400	0.07870	0.00130	0.61593	497.8	8.4	489.4	7.8	557.0	34.0	489.4	7.8	1.7
EVL05DZ_97	40.30	0.86	0.61500	0.02200	0.07900	0.00200	0.35617	485.0	14.0	490.0	12.0	448.0	76.0	490.0	12.0	1.0
EVL05DZ_3	182.00	1.11	0.65000	0.00970	0.07920	0.00130	0.33240	508.2	6.0	492.2	7.6	557.0	39.0	492.2	7.6	3.1
EVL05DZ_31	376.00	2.34	0.64300	0.01100	0.07960	0.00100	0.19455	503.8	6.7	493.6	6.1	580.0	39.0	493.6	6.1	2.0
EVL05DZ_8	121.20	1.06	0.68500	0.01600	0.07960	0.00170	0.47023	529.0	9.6	494.0	10.0	656.0	49.0	494.0	10.0	6.6
EVL05DZ_91	108.90	1.05	0.64800	0.01500	0.07970	0.00180	0.44743	508.0	8.9	494.0	11.0	554.0	48.0	494.0	11.0	2.8
EVL05DZ_32	112.00	1.18	0.65800	0.01500	0.08160	0.00210	0.29277	513.0	8.8	505.0	12.0	581.0	59.0	505.0	12.0	1.6
EVL05DZ_104	312.00	0.62	0.67500	0.01200	0.08150	0.00150	0.71136	523.3	7.2	505.2	9.1	595.0	31.0	505.2	9.1	3.5
EVL05DZ_117	236.20	0.48	0.67000	0.01100	0.08170	0.00110	0.49350	520.2	6.7	506.0	6.3	579.0	36.0	506.0	6.3	2.7
EVL05DZ_15	138.00	0.69	0.67600	0.01300	0.08190	0.00140	0.33093	524.1	8.1	507.4	8.1	598.0	45.0	507.4	8.1	3.2
EVL05DZ_99	367.00	0.89	0.76500	0.02400	0.08280	0.00130	0.30791	575.0	14.0	512.6	7.9	828.0	67.0	512.6	7.9	10.9
EVL05DZ_22	165.90	0.94	0.67750	0.00960	0.08330	0.00110	0.30200	525.8	5.9	515.7	6.3	565.0	37.0	515.7	6.3	1.9
EVL05DZ_37	321.00	0.78	0.68900	0.01000	0.08350	0.00120	0.47415	532.0	6.0	516.8	7.0	581.0	36.0	516.8	7.0	2.9
EVL05DZ_51	212.00	4.18	0.68700	0.01300	0.08360	0.00160	0.44884	531.6	7.7	517.5	9.8	577.0	45.0	517.5	9.8	2.7
EVL05DZ_65	175.00	0.81	0.66400	0.01300	0.08380	0.00150	0.59714	516.2	7.7	518.7	8.8	533.0	37.0	518.7	8.8	0.5
EVL05DZ_85	127.50	0.90	0.68500	0.01300	0.08430	0.00130	0.40332	528.9	7.8	521.4	7.8	533.0	40.0	521.4	7.8	1.4
EVL05DZ_39	228.30	2.36	0.68100	0.01100	0.08460	0.00120	0.39163	526.8	6.6	523.4	7.2	549.0	34.0	523.4	7.2	0.6
EVL05DZ_68	108.10	1.88	0.69200	0.01700	0.08480	0.00160	0.45717	534.0	11.0	524.3	9.4	569.0	57.0	524.3	9.4	1.8
EVL05DZ_76	106.80	1.00	0.70600	0.02800	0.08500	0.00320	0.59629	541.0	17.0	525.0	19.0	584.0	69.0	525.0	19.0	3.0
EVL05DZ_95	136.00	2.55	0.70200	0.01100	0.08710	0.00160	0.32910	539.6	6.7	538.1	9.4	522.0	41.0	538.1	9.4	0.3
EVL05DZ_47	274.00	0.77	0.74800	0.01000	0.08920	0.00110	0.46899	566.9	5.9	550.7	6.7	604.0	29.0	550.7	6.7	2.9
EVL05DZ_109	124.30	1.19	0.74400	0.01700	0.08930	0.00130	0.48987	564.0	9.7	551.3	7.7	609.0	42.0	551.3	7.7	2.3
EVL05DZ_72	187.00	0.53	0.80900	0.02700	0.08910	0.00220	0.71288	602.0	15.0	552.0	14.0	806.0	46.0	552.0	14.0	8.3
EVL05DZ_30	191.00	1.27	0.80600	0.02200	0.08990	0.00250	0.31325	599.0	12.0	554.0	15.0	780.0	57.0	554.0	15.0	7.5
EVL05DZ_107	93.00	1.29	0.72300	0.01500	0.08980	0.00160	0.42542	551.5	9.2	554.2	9.5	555.0	49.0	554.2	9.5	0.5
EVL05DZ_112	88.30	1.88	0.74900	0.01400	0.09020	0.00160	0.30592	568.6	8.4	556.5	9.6	594.0	46.0	556.5	9.6	2.1
EVL05DZ_63	118.60	1.49	0.74500	0.02400	0.09180	0.00180	0.50350	564.0	14.0	566.0	11.0	557.0	61.0	566.0	11.0	0.4
EVL05DZ_33	1363.00	3.14	1.42900	0.04100	0.09420	0.00250	0.80523	900.0	17.0	580.0	15.0	1800.0	37.0	580.0	15.0	35.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EVL05DZ_2	199.30	1.02	0.78800	0.01300	0.09450	0.00170	0.30000	591.0	7.5	582.0	10.0	608.0	43.0	582.0	10.0	1.5
EVL05DZ_62	98.20	0.90	1.01500	0.07400	0.09560	0.00170	0.54597	700.0	35.0	588.3	9.7	1050.0	120.0	588.3	9.7	16.0
EVL05DZ_67	203.10	9.10	0.80000	0.01300	0.09660	0.00170	0.40926	596.5	7.4	594.2	9.9	637.0	40.0	594.2	9.9	0.4
EVL05DZ_46	162.40	0.80	0.84000	0.01300	0.09790	0.00160	0.40209	619.8	7.7	602.2	9.3	688.0	36.0	602.2	9.3	2.8
EVL05DZ_4	209.00	0.83	0.94900	0.01700	0.10180	0.00200	0.65155	677.2	9.0	625.0	11.0	845.0	35.0	625.0	11.0	7.7
EVL05DZ_64	393.00	2.04	0.94700	0.02000	0.10300	0.00260	0.20136	676.0	10.0	632.0	15.0	815.0	53.0	632.0	15.0	6.5
EVL05DZ_92	214.40	2.20	0.96500	0.02900	0.10810	0.00230	0.80716	685.0	15.0	662.0	13.0	800.0	45.0	662.0	13.0	3.4
EVL05DZ_36	92.00	2.12	0.97100	0.02900	0.10890	0.00300	0.48338	691.0	14.0	668.0	18.0	767.0	63.0	668.0	18.0	3.3
EVL05DZ_70	430.00	0.87	0.99500	0.01500	0.11570	0.00130	0.68143	700.9	7.8	705.7	7.7	689.0	23.0	705.7	7.7	0.7
EVL05DZ_35	50.00	1.92	0.99000	0.02300	0.11700	0.00280	0.18741	699.0	12.0	713.0	16.0	708.0	65.0	713.0	16.0	2.0
EVL05DZ_96	187.80	0.62	1.09400	0.01900	0.12110	0.00230	0.55826	750.0	9.2	737.0	13.0	813.0	34.0	737.0	13.0	1.7
EVL05DZ_119	321.00	1.96	1.09700	0.01500	0.12360	0.00190	0.68275	754.8	7.2	751.0	11.0	762.0	22.0	751.0	11.0	0.5
EVL05DZ_110	548.00	1.12	1.11800	0.01300	0.12560	0.00180	0.70720	761.8	6.1	763.0	11.0	750.0	21.0	763.0	11.0	0.2
EVL05DZ_89	297.90	1.30	1.50600	0.09600	0.12720	0.00540	0.95864	923.0	39.0	771.0	31.0	1310.0	52.0	771.0	31.0	16.5
EVL05DZ_60	284.90	1.40	1.12500	0.01300	0.12830	0.00170	0.50173	765.1	6.3	777.8	9.5	744.0	23.0	777.8	9.5	1.7
EVL05DZ_44	81.70	2.01	1.22000	0.03300	0.13270	0.00260	0.37772	808.0	15.0	803.0	15.0	809.0	55.0	803.0	15.0	0.6
EVL05DZ_100	309.00	3.58	1.19800	0.02400	0.13430	0.00260	0.84928	799.0	11.0	812.0	15.0	795.0	24.0	812.0	15.0	1.6
EVL05DZ_117	84.40	5.80	1.81700	0.03900	0.15050	0.00220	0.86574	957.0	13.0	897.0	12.0	1061.0	15.0	897.0	12.0	6.3
EVL05DZ_84	302.40	2.98	1.53200	0.03500	0.14920	0.00310	0.79967	942.0	14.0	899.0	17.0	1011.0	29.0	899.0	17.0	4.6
EVL05DZ_55	199.00	1.44	1.51300	0.02700	0.15240	0.00280	0.66702	935.0	11.0	914.0	15.0	994.0	30.0	914.0	15.0	2.2
EVL05DZ_88	207.10	0.60	1.46900	0.03100	0.15270	0.00340	0.71450	919.0	12.0	916.0	19.0	958.0	36.0	916.0	19.0	0.3
EVL05DZ_29	365.00	5.84	1.57100	0.02700	0.15640	0.00330	0.76402	958.0	11.0	938.0	19.0	1021.0	26.0	938.0	19.0	2.1
EVL05DZ_10	248.20	1.03	1.59200	0.02100	0.15750	0.00210	0.50699	966.6	8.4	943.0	12.0	1027.0	29.0	943.0	12.0	2.4
EVL05DZ_5	266.00	3.58	1.65000	0.02900	0.16430	0.00310	0.75172	989.0	11.0	980.0	17.0	991.0	25.0	991.0	25.0	1.1
EVL05DZ_52	167.60	2.96	1.64200	0.03000	0.16310	0.00380	0.44191	986.0	11.0	974.0	21.0	994.0	46.0	994.0	46.0	2.0
EVL05DZ_118	130.00	0.85	1.68600	0.03200	0.16530	0.00280	0.65580	1002.0	12.0	986.0	16.0	1011.0	29.0	1011.0	29.0	2.5
EVL05DZ_53	157.20	8.22	1.62400	0.03600	0.16070	0.00270	0.67822	981.0	14.0	960.0	15.0	1018.0	32.0	1018.0	32.0	5.7
EVL05DZ_103	88.70	1.54	1.79900	0.03700	0.17670	0.00320	0.53787	1045.0	13.0	1048.0	18.0	1027.0	35.0	1027.0	35.0	2.0
EVL05DZ_75	312.00	1.57	1.76400	0.03200	0.17250	0.00350	0.60631	1031.0	12.0	1025.0	19.0	1032.0	35.0	1032.0	35.0	0.7
EVL05DZ_23	350.00	2.02	1.71900	0.02400	0.16740	0.00260	0.63978	1015.2	8.9	997.0	15.0	1049.0	26.0	1049.0	26.0	5.0
EVL05DZ_102	155.00	0.52	1.80500	0.03600	0.17530	0.00350	0.63848	1048.0	13.0	1041.0	19.0	1049.0	35.0	1049.0	35.0	0.8
EVL05DZ_78	196.70	2.45	1.84700	0.02500	0.17890	0.00230	0.29861	1062.0	9.0	1061.0	13.0	1055.0	32.0	1055.0	32.0	0.6
EVL05DZ_114	547.00	1.42	1.77600	0.02100	0.17190	0.00240	0.74895	1036.1	7.8	1023.0	13.0	1057.0	18.0	1057.0	18.0	3.2
EVL05DZ_41	158.00	1.19	2.06400	0.04500	0.19870	0.00440	0.56324	1136.0	15.0	1174.0	26.0	1060.0	25.0	1060.0	25.0	10.8
EVL05DZ_73	196.30	1.80	1.76200	0.02500	0.17150	0.00260	0.41166	1030.8	9.1	1020.0	15.0	1067.0	30.0	1067.0	30.0	4.4
EVL05DZ_16	123.50	1.68	1.70800	0.02700	0.16480	0.00260	0.49141	1011.0	10.0	983.0	14.0	1078.0	31.0	1078.0	31.0	8.8
EVL05DZ_74	201.00	1.56	1.69000	0.03100	0.16120	0.00270	0.48344	1006.0	11.0	964.0	15.0	1080.0	29.0	1080.0	29.0	10.7
EVL05DZ_50	77.70	1.26	1.87100	0.03900	0.17930	0.00380	0.49973	1070.0	14.0	1063.0	21.0	1082.0	43.0	1082.0	43.0	1.8
EVL05DZ_111	91.30	1.11	1.88600	0.03300	0.18110	0.00280	0.56684	1078.0	11.0	1073.0	15.0	1088.0	32.0	1088.0	32.0	1.4
EVL05DZ_94	139.00	1.51	1.95300	0.02600	0.18570	0.00300	0.61707	1100.4	8.8	1098.0	17.0	1094.0	28.0	1094.0	28.0	0.4
EVL05DZ_77	123.70	1.89	2.10600	0.03000	0.19080	0.00200	0.26878	1150.0	9.9	1127.0	11.0	1195.0	29.0	1195.0	29.0	5.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EVL05DZ_71	419.00	1.47	1.93700	0.04100	0.17200	0.00510	0.85794	1094.0	14.0	1022.0	28.0	1260.0	28.0	1260.0	28.0	18.9
EVL05DZ_101	64.50	0.82	2.35200	0.09100	0.20120	0.00810	0.58727	1228.0	27.0	1180.0	44.0	1289.0	70.0	1289.0	70.0	8.5
EVL05DZ_66	213.00	2.14	2.68100	0.03400	0.22680	0.00250	0.39626	1323.5	9.5	1317.0	13.0	1338.0	24.0	1338.0	24.0	1.6
EVL05DZ_86	399.00	1.37	2.83400	0.05000	0.22140	0.00370	0.56131	1365.0	13.0	1292.0	21.0	1468.0	30.0	1468.0	30.0	12.0
EVL05DZ_54	234.70	0.75	4.01000	0.19000	0.28070	0.00900	0.92684	1632.0	39.0	1593.0	45.0	1686.0	31.0	1686.0	31.0	5.5
EVL05DZ_26	230.00	1.03	4.40000	0.12000	0.27840	0.00830	0.80480	1708.0	22.0	1587.0	41.0	1860.0	33.0	1860.0	33.0	14.7
EVL05DZ_18	184.00	1.03	4.96000	0.14000	0.30620	0.00890	0.91315	1811.0	25.0	1725.0	45.0	1893.0	21.0	1893.0	21.0	8.9
EVL05DZ_87	55.60	0.66	5.29400	0.09800	0.33310	0.00820	0.56008	1873.0	14.0	1851.0	40.0	1895.0	35.0	1895.0	35.0	2.3
EVL05DZ_7	216.60	0.79	5.22300	0.08100	0.32560	0.00620	0.75710	1855.0	13.0	1816.0	30.0	1899.0	19.0	1899.0	19.0	4.4
EVL05DZ_6	227.00	1.11	4.06000	0.15000	0.24410	0.00870	0.94530	1641.0	30.0	1405.0	45.0	1951.0	19.0	1951.0	19.0	28.0
EVL05DZ_56	102.00	0.90	5.91900	0.08800	0.35610	0.00760	0.79019	1963.0	13.0	1961.0	36.0	1958.0	24.0	1958.0	24.0	0.2
EVL05DZ_90	95.00	0.91	6.09600	0.06500	0.36330	0.00490	0.49327	1990.4	9.5	1997.0	23.0	1998.0	23.0	1998.0	23.0	0.1
EVL05DZ_19	174.00	0.81	5.42000	0.19000	0.31070	0.00950	0.93679	1888.0	30.0	1750.0	45.0	2038.0	22.0	2038.0	22.0	14.1
EVL05DZ_106	251.00	1.34	5.88500	0.06700	0.33280	0.00430	0.79074	1963.1	9.7	1852.0	21.0	2084.0	15.0	2084.0	15.0	11.1
EVL05DZ_1	329.00	0.68	6.24000	0.10000	0.34590	0.00700	0.82141	2009.0	15.0	1914.0	33.0	2094.0	23.0	2094.0	23.0	8.6
EVL05DZ_120	211.20	0.62	5.81000	0.14000	0.31600	0.01100	0.87823	1946.0	22.0	1769.0	55.0	2153.0	25.0	2153.0	25.0	17.8
EVL05DZ_79	12.50	1.84	13.15000	0.24000	0.50970	0.00870	0.51804	2690.0	17.0	2654.0	37.0	2704.0	29.0	2704.0	29.0	1.8
SUBANDEAN ZONE																
EVL04DZ: Escarpment Fm., Carboniferous (n=88), (19.66°S, 64.26°W)																
EVL04DZ_110	2700.00	3.32	0.81700	0.02700	0.04810	0.00220	0.94568	606.0	15.0	303.0	14.0	1995.0	35.0	303.0	14.0	50.0
EVL04DZ_17	1192.00	4.45	0.51970	0.00510	0.05170	0.00160	0.27829	424.9	3.4	324.7	9.9	1020.0	58.0	324.7	9.9	23.6
EVL04DZ_81	267.00	1.37	0.47930	0.00810	0.05826	0.00066	0.22665	397.3	5.5	365.0	4.0	581.0	37.0	365.0	4.0	8.1
EVL04DZ_66	89.90	1.21	0.46070	0.00940	0.05971	0.00066	0.05571	386.1	6.6	373.8	4.0	431.0	53.0	373.8	4.0	3.2
EVL04DZ_104	66.60	1.02	0.53000	0.01300	0.06900	0.00110	0.37874	432.0	8.8	430.2	6.6	426.0	50.0	430.2	6.6	0.4
EVL04DZ_50	1029.00	6.04	0.69500	0.02500	0.07080	0.00110	0.08514	535.0	15.0	441.0	6.4	974.0	78.0	441.0	6.4	17.6
EVL04DZ_65	800.00	1.97	0.75700	0.01100	0.07250	0.00160	0.62597	573.5	6.6	451.3	9.7	1084.0	36.0	451.3	9.7	21.3
EVL04DZ_47	251.60	3.01	0.58500	0.01100	0.07309	0.00095	0.39844	467.5	7.1	454.7	5.7	532.0	41.0	454.7	5.7	2.7
EVL04DZ_99	500.00	1.33	0.58850	0.00880	0.07399	0.00085	0.80262	469.8	5.6	460.1	5.1	520.0	21.0	460.1	5.1	2.1
EVL04DZ_14	450.60	1.67	0.62860	0.00610	0.07881	0.00069	0.51411	495.1	3.8	489.0	4.1	513.0	20.0	489.0	4.1	1.2
EVL04DZ_6	77.70	1.90	0.65700	0.01200	0.07970	0.00100	0.25768	514.5	7.5	494.5	6.2	585.0	44.0	494.5	6.2	3.9
EVL04DZ_44	294.00	2.84	0.65370	0.00750	0.08231	0.00082	0.37861	510.6	4.6	509.9	4.9	498.0	29.0	509.9	4.9	0.1
EVL04DZ_70	647.00	1.50	0.72420	0.00790	0.08320	0.00100	0.14627	553.0	4.7	515.0	6.2	677.0	34.0	515.0	6.2	6.9
EVL04DZ_67	192.00	0.92	0.68980	0.00980	0.08409	0.00080	0.28572	533.1	6.0	520.4	4.8	576.0	33.0	520.4	4.8	2.4
EVL04DZ_31	172.90	0.96	0.67550	0.00830	0.08461	0.00088	0.44386	523.8	5.0	523.6	5.2	553.0	28.0	523.6	5.2	0.0
EVL04DZ_111	132.50	1.04	0.71000	0.01100	0.08469	0.00084	0.20494	545.5	6.2	524.0	5.0	600.0	34.0	524.0	5.0	3.9
EVL04DZ_8	5.04	−110.00	0.85200	0.06400	0.08560	0.00310	0.13659	632.0	32.0	529.0	19.0	920.0	150.0	529.0	19.0	16.3
EVL04DZ_78	522.00	5.91	0.69050	0.00580	0.08569	0.00049	0.37803	533.0	3.5	530.0	2.9	557.0	18.0	530.0	2.9	0.6
EVL04DZ_87	126.00	1.59	0.70000	0.01000	0.08611	0.00080	0.13525	538.5	6.2	532.5	4.8	545.0	38.0	532.5	4.8	1.1
EVL04DZ_77	320.00	6.93	0.70100	0.01900	0.08660	0.00140	0.43004	539.0	11.0	535.3	8.3	529.0	60.0	535.3	8.3	0.7
EVL04DZ_23	197.00	0.88	0.73150	0.00970	0.08690	0.00110	0.34681	557.2	5.6	537.3	6.7	625.0	34.0	537.3	6.7	3.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EVL04DZ_56	120.60	1.26	0.72600	0.01200	0.08724	0.00086	0.04096	553.7	6.8	539.2	5.1	632.0	40.0	539.2	5.1	2.6
EVL04DZ_24	317.00	1.17	0.70800	0.00720	0.08726	0.00074	0.37365	543.4	4.3	539.3	4.4	572.0	21.0	539.3	4.4	0.8
EVL04DZ_28	756.00	1.77	1.18600	0.01400	0.08900	0.00170	0.15986	793.8	6.6	549.0	10.0	1565.0	47.0	549.0	10.0	30.8
EVL04DZ_63	266.20	0.78	0.73160	0.00850	0.08892	0.00091	0.36583	557.2	5.0	549.1	5.4	579.0	25.0	549.1	5.4	1.5
EVL04DZ_35	739.00	4.12	0.73800	0.01000	0.08960	0.00110	0.44941	561.3	5.9	553.3	6.4	612.0	25.0	553.3	6.4	1.4
EVL04DZ_1	17.72	170.00	1.03300	0.05600	0.09010	0.00220	0.20591	722.0	26.0	556.0	13.0	1240.0	97.0	556.0	13.0	23.0
EVL04DZ_102	253.30	3.80	0.73070	0.00750	0.09052	0.00069	0.50720	557.3	4.3	558.6	4.1	561.0	21.0	558.6	4.1	0.2
EVL04DZ_4	983.00	6.50	0.75440	0.00530	0.09086	0.00074	0.48553	570.7	3.1	560.6	4.4	595.0	17.0	560.6	4.4	1.8
EVL04DZ_94	30.60	190.00	0.91800	0.03400	0.09110	0.00150	0.12092	658.0	18.0	561.8	8.8	1027.0	78.0	561.8	8.8	14.6
EVL04DZ_105	260.70	3.36	0.73870	0.00720	0.09107	0.00065	0.20240	562.0	4.3	561.8	3.8	570.0	24.0	561.8	3.8	0.0
EVL04DZ_2	196.00	0.88	0.78590	0.00980	0.09157	0.00091	0.28196	588.6	5.6	564.8	5.4	655.0	28.0	564.8	5.4	4.0
EVL04DZ_42	513.00	0.63	0.79650	0.00820	0.09159	0.00090	0.54462	594.6	4.7	564.9	5.3	685.0	20.0	564.9	5.3	5.0
EVL04DZ_5	1271.00	2.05	1.50900	0.02900	0.09170	0.00220	0.93346	933.0	12.0	565.0	13.0	1928.0	18.0	565.0	13.0	39.4
EVL04DZ_34	231.20	1.42	0.75090	0.00700	0.09207	0.00073	0.19898	568.6	4.0	567.7	4.3	588.0	22.0	567.7	4.3	0.2
EVL04DZ_20	476.00	3.20	0.90800	0.03500	0.09220	0.00310	0.14205	654.0	18.0	569.0	19.0	1020.0	110.0	569.0	19.0	13.0
EVL04DZ_21	410.80	5.24	0.75640	0.00850	0.09306	0.00098	0.66149	571.7	4.9	573.5	5.8	550.0	19.0	573.5	5.8	0.3
EVL04DZ_68	164.00	0.86	0.79400	0.01200	0.09304	0.00090	0.33768	593.1	6.6	573.5	5.3	634.0	32.0	573.5	5.3	3.3
EVL04DZ_55	633.00	2.28	1.15000	0.15000	0.09340	0.00150	0.99131	732.0	43.0	575.8	8.7	1210.0	110.0	575.8	8.7	21.3
EVL04DZ_37	78.20	34.30	1.54700	0.06400	0.09390	0.00120	0.55533	957.0	25.0	578.7	7.0	1951.0	63.0	578.7	7.0	39.5
EVL04DZ_53	21.94	−140.00	0.81900	0.03900	0.09650	0.00270	0.39874	606.0	21.0	594.0	16.0	638.0	90.0	594.0	16.0	2.0
EVL04DZ_84	282.00	1.85	0.79890	0.00930	0.09669	0.00081	0.24671	596.0	5.3	595.0	4.8	595.0	27.0	595.0	4.8	0.2
EVL04DZ_30	96.00	1.31	0.80900	0.01300	0.09730	0.00110	0.23198	601.4	7.2	598.8	6.7	629.0	36.0	598.8	6.7	0.4
EVL04DZ_72	49.70	400.00	0.81100	0.02600	0.09830	0.00170	0.47095	605.0	13.0	605.5	9.9	597.0	67.0	605.5	9.9	0.1
EVL04DZ_33	15.70	−370.00	0.85500	0.05100	0.09880	0.00270	0.20700	622.0	28.0	607.0	16.0	670.0	120.0	607.0	16.0	2.4
EVL04DZ_43	25.88	−490.00	0.96400	0.07000	0.09900	0.00210	0.19880	669.0	27.0	609.0	12.0	860.0	120.0	609.0	12.0	9.0
EVL04DZ_71	26.31	210.00	1.18500	0.03700	0.09910	0.00210	0.18732	791.0	17.0	609.0	12.0	1341.0	70.0	609.0	12.0	23.0
EVL04DZ_97	8.93	180.00	1.19000	0.11000	0.09910	0.00350	0.17506	785.0	48.0	609.0	21.0	1330.0	160.0	609.0	21.0	22.4
EVL04DZ_51	34.70	80.00	1.26800	0.09100	0.09960	0.00350	0.51021	824.0	41.0	612.0	20.0	1470.0	120.0	612.0	20.0	25.7
EVL04DZ_90	9.94	150.00	1.13600	0.06900	0.10100	0.00310	0.08173	763.0	33.0	620.0	18.0	1210.0	120.0	620.0	18.0	18.7
EVL04DZ_12	184.00	1.31	0.84100	0.01200	0.10110	0.00110	0.62977	619.5	6.4	621.0	6.3	613.0	25.0	621.0	6.3	0.2
EVL04DZ_13	19.56	93.00	1.31000	0.12000	0.10110	0.00330	0.43483	843.0	52.0	621.0	19.0	1510.0	180.0	621.0	19.0	26.3
EVL04DZ_32	12.99	10.00	1.11700	0.07000	0.10320	0.00290	0.35337	754.0	33.0	633.0	17.0	1160.0	120.0	633.0	17.0	16.0
EVL04DZ_19	158.00	2.14	0.87200	0.01200	0.10350	0.00120	0.16459	636.5	6.3	634.8	7.0	639.0	33.0	634.8	7.0	0.3
EVL04DZ_15	49.30	−2100.00	0.97800	0.03100	0.10500	0.00190	0.22535	690.0	16.0	644.0	11.0	861.0	75.0	644.0	11.0	6.7
EVL04DZ_89	272.00	1.15	0.95260	0.00970	0.10518	0.00089	0.35899	679.3	5.0	644.6	5.2	792.0	24.0	644.6	5.2	5.1
EVL04DZ_29	122.10	1.69	0.88800	0.01100	0.10560	0.00120	0.39255	645.2	6.0	646.8	6.8	660.0	26.0	646.8	6.8	0.2
EVL04DZ_93	42.10	63.00	1.46700	0.07800	0.10610	0.00240	0.54163	918.0	33.0	650.0	14.0	1631.0	88.0	650.0	14.0	29.2
EVL04DZ_60	211.00	2.06	0.93700	0.01200	0.10760	0.00110	0.39636	670.8	6.3	658.8	6.3	712.0	27.0	658.8	6.3	1.8
EVL04DZ_108	11.91	140.00	0.96800	0.04900	0.11050	0.00340	0.21722	683.0	25.0	675.0	20.0	720.0	110.0	675.0	20.0	1.2
EVL04DZ_80	276.90	3.96	1.00000	0.01700	0.11100	0.00130	0.55323	703.4	8.8	678.7	7.5	766.0	30.0	678.7	7.5	3.5
EVL04DZ_82	2.29	−1.00	1.67000	0.24000	0.11220	0.00760	0.08314	946.0	86.0	690.0	42.0	1600.0	270.0	690.0	42.0	27.1
EVL04DZ_76	230.70	1.92	1.10300	0.01200	0.11805	0.00088	0.45037	754.7	5.6	719.3	5.1	883.0	21.0	719.3	5.1	4.7
EVL04DZ_79	603.00	2.42	1.11300	0.01000	0.12220	0.00180	0.20368	759.3	4.8	743.0	10.0	824.0	30.0	743.0	10.0	2.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EVL04DZ_109	311.50	1.24	1.19800	0.01200	0.12520	0.00110	0.80519	799.4	5.5	760.1	6.4	898.0	20.0	760.1	6.4	4.9
EVL04DZ_106	399.00	2.23	1.19530	0.00800	0.13344	0.00086	0.36294	798.3	3.7	807.4	4.9	771.0	15.0	807.4	4.9	1.1
EVL04DZ_57	182.00	1.58	1.47600	0.01500	0.15040	0.00110	0.27546	920.1	6.2	903.3	6.2	966.0	23.0	903.3	6.2	1.8
EVL04DZ_41	346.00	2.88	1.72900	0.01200	0.16740	0.00100	0.40065	1020.0	4.6	997.5	5.8	1047.0	15.0	1047.0	15.0	4.7
EVL04DZ_46	210.80	3.29	1.64500	0.03300	0.16040	0.00250	0.46719	987.0	12.0	959.0	14.0	1051.0	34.0	1051.0	34.0	8.8
EVL04DZ_48	108.70	1.26	1.67100	0.01900	0.16200	0.00190	0.10896	997.3	7.2	968.0	11.0	1070.0	29.0	1070.0	29.0	9.5
EVL04DZ_100	143.00	2.31	1.75100	0.02200	0.16960	0.00180	0.51424	1027.2	8.0	1009.8	9.8	1074.0	22.0	1074.0	22.0	6.0
EVL04DZ_36	371.20	1.37	1.72200	0.01600	0.16630	0.00180	0.74596	1017.3	5.8	991.0	10.0	1079.0	15.0	1079.0	15.0	8.2
EVL04DZ_103	324.50	1.59	1.73700	0.01500	0.16690	0.00130	0.59247	1022.2	5.4	995.0	7.1	1085.0	15.0	1085.0	15.0	8.3
EVL04DZ_95	665.00	2.26	1.79100	0.01500	0.17040	0.00140	0.43736	1042.2	5.4	1014.3	7.5	1106.0	15.0	1106.0	15.0	8.3
EVL04DZ_59	103.10	2.48	1.81200	0.02100	0.16950	0.00140	0.32361	1049.3	7.5	1009.4	8.0	1125.0	22.0	1125.0	22.0	10.3
EVL04DZ_101	445.00	3.23	1.94700	0.01100	0.18370	0.00110	0.45767	1097.2	3.9	1087.2	6.2	1130.0	12.0	1130.0	12.0	3.8
EVL04DZ_40	426.00	2.18	1.81800	0.01300	0.16740	0.00140	0.74521	1053.1	4.9	997.4	7.9	1152.0	11.0	1152.0	11.0	13.4
EVL04DZ_61	71.20	3.29	2.18100	0.02900	0.19710	0.00160	0.35200	1176.6	9.4	1159.4	8.4	1211.0	26.0	1211.0	26.0	4.3
EVL04DZ_3	111.90	1.03	2.22100	0.02100	0.19380	0.00180	0.53482	1187.4	6.8	1142.0	10.0	1251.0	18.0	1251.0	18.0	8.7
EVL04DZ_75	221.80	1.70	2.71300	0.02200	0.22210	0.00160	0.46034	1331.7	5.9	1293.0	8.3	1398.0	15.0	1398.0	15.0	7.5
EVL04DZ_45	600.00	1.56	3.45700	0.03800	0.25440	0.00250	0.73326	1517.0	8.6	1461.0	13.0	1574.0	16.0	1574.0	16.0	7.2
EVL04DZ_22	263.90	1.48	4.49300	0.03600	0.28800	0.00290	0.69442	1729.4	6.6	1631.0	15.0	1848.0	13.0	1848.0	13.0	11.7
EVL04DZ_27	21.95	260.00	4.46300	0.08000	0.27520	0.00490	0.57513	1722.0	15.0	1567.0	25.0	1944.0	32.0	1944.0	32.0	19.4
EVL04DZ_62	394.00	0.87	5.28000	0.40000	0.30600	0.01800	0.96309	1869.0	67.0	1712.0	91.0	2037.0	25.0	2037.0	25.0	16.0
EVL04DZ_16	192.50	2.04	7.07200	0.08900	0.37870	0.00380	0.86069	2121.0	11.0	2070.0	18.0	2152.0	12.0	2152.0	12.0	3.8
EVL04DZ_96	199.40	2.21	13.19000	0.13000	0.50110	0.00440	0.66613	2692.6	9.3	2618.0	19.0	2750.0	14.0	2750.0	14.0	4.8
EVL04DZ_69	139.00	2.08	14.90000	0.31000	0.52570	0.00840	0.84345	2808.0	20.0	2721.0	35.0	2856.0	18.0	2856.0	18.0	4.7
EVL04DZ_107	19.50	0.17	131.50000	2.40000	1.22200	0.02200	0.86803	4958.0	19.0	5142.0	63.0	4912.0	13.0	4912.0	13.0	4.7
SUBANDEAN ZONE																
BT02DZ: Cangapi Fm., Permo-Triassic (n=107), (19.78°S, 64.05°W)																
BT02DZ_83	43.20	0.92	1.16500	0.09500	0.04160	0.00100	0.12850	777.0	45.0	262.5	6.3	2800.0	150.0	262.5	6.3	66.2
BT02DZ_53	99.50	0.87	0.42300	0.01600	0.04650	0.00140	0.59787	358.0	12.0	292.8	8.5	762.0	51.0	292.8	8.5	18.2
BT02DZ_12	251.00	2.08	0.93900	0.04200	0.04980	0.00120	0.09756	673.0	23.0	312.9	7.3	2243.0	87.0	312.9	7.3	53.5
BT02DZ_47	471.00	3.32	1.52800	0.03700	0.05250	0.00150	0.77485	941.0	15.0	330.0	8.9	2920.0	21.0	330.0	8.9	64.9
BT02DZ_82	511.00	2.61	1.91600	0.05600	0.05440	0.00160	0.29896	1092.0	21.0	341.1	9.8	3226.0	55.0	341.1	9.8	68.8
BT02DZ_90	48.30	1.13	0.59600	0.02300	0.05520	0.00160	0.28027	476.0	14.0	346.0	10.0	1076.0	77.0	346.0	10.0	27.3
BT02DZ_70	79.70	1.14	0.45800	0.01300	0.05740	0.00110	0.31512	382.2	8.8	359.6	7.0	507.0	27.0	359.6	7.0	5.9
BT02DZ_52	50.20	0.25	4.14000	0.12000	0.06410	0.00160	0.70627	1659.0	24.0	400.2	9.8	4185.0	23.0	400.2	9.8	75.9
BT02DZ_17	41.40	1.41	0.76200	0.02300	0.06510	0.00180	0.41455	574.0	13.0	407.0	11.0	1312.0	42.0	407.0	11.0	29.1
BT02DZ_62	25.40	0.68	0.85400	0.05300	0.06520	0.00170	0.06030	623.0	29.0	407.0	11.0	1540.0	96.0	407.0	11.0	34.7
BT02DZ_110	169.40	5.82	0.64000	0.01300	0.06520	0.00170	0.23406	503.4	8.5	407.0	10.0	962.0	66.0	407.0	10.0	19.1
BT02DZ_78	140.50	2.68	0.72400	0.01300	0.06600	0.00120	0.19055	552.5	8.0	411.7	7.5	1187.0	31.0	411.7	7.5	25.5
BT02DZ_41	68.50	2.75	1.08500	0.04200	0.06980	0.00210	0.58820	744.0	20.0	435.0	13.0	1846.0	45.0	435.0	13.0	41.5
BT02DZ_39	51.50	1.58	0.56300	0.01500	0.07180	0.00110	0.11098	454.6	9.3	446.7	6.8	505.0	33.0	446.7	6.8	1.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT02DZ_42	16.94	0.93	1.50200	0.05800	0.07200	0.00230	0.07023	931.0	23.0	448.0	14.0	2353.0	63.0	448.0	14.0	51.9
BT02DZ_79	168.00	3.24	0.64500	0.02400	0.07250	0.00180	0.79569	503.0	15.0	451.0	11.0	757.0	38.0	451.0	11.0	10.3
BT02DZ_50	30.09	1.33	0.76000	0.03000	0.07300	0.00270	0.26179	573.0	17.0	454.0	16.0	1114.0	35.0	454.0	16.0	20.8
BT02DZ_73	68.00	1.33	0.64700	0.02400	0.07300	0.00160	0.11231	505.0	15.0	454.2	9.3	768.0	70.0	454.2	9.3	10.1
BT02DZ_1	73.10	0.85	0.62800	0.01500	0.07390	0.00170	0.46858	496.9	9.6	459.0	10.0	690.0	29.0	459.0	10.0	7.6
BT02DZ_10	30.30	0.66	0.76100	0.03600	0.07390	0.00360	0.60239	576.0	22.0	459.0	21.0	1133.0	56.0	459.0	21.0	20.3
BT02DZ_38	129.80	0.68	0.59220	0.00890	0.07393	0.00094	0.48248	472.0	5.7	460.6	5.4	550.0	22.0	460.6	5.4	2.4
BT02DZ_88	127.20	1.85	0.74900	0.03300	0.07600	0.00160	0.76798	565.0	19.0	471.9	9.5	945.0	53.0	471.9	9.5	16.5
BT02DZ_19	182.00	3.70	0.93700	0.01300	0.07650	0.00160	0.18276	672.3	6.5	475.4	9.5	1405.0	33.0	475.4	9.5	29.3
BT02DZ_105	110.10	0.98	1.52000	0.15000	0.07690	0.00180	0.55720	918.0	61.0	477.0	11.0	2180.0	160.0	477.0	11.0	48.0
BT02DZ_51	89.10	0.55	0.83100	0.01600	0.07820	0.00130	0.37766	613.9	9.0	485.2	8.0	1121.0	24.0	485.2	8.0	21.0
BT02DZ_3	66.90	1.00	0.86600	0.02800	0.07880	0.00140	0.36244	632.0	15.0	488.6	8.6	1181.0	47.0	488.6	8.6	22.7
BT02DZ_68	224.60	1.51	0.68200	0.01400	0.07890	0.00110	0.39800	528.8	8.1	489.8	6.6	678.0	26.0	489.8	6.6	7.4
BT02DZ_23	145.40	4.01	0.71900	0.01600	0.07970	0.00120	0.63901	549.1	9.2	494.6	7.1	789.0	21.0	494.6	7.1	9.9
BT02DZ_11	79.10	1.15	0.71300	0.01800	0.08120	0.00180	0.54109	546.0	10.0	503.0	10.0	752.0	27.0	503.0	10.0	7.9
BT02DZ_55	261.00	1.57	0.73500	0.01800	0.08140	0.00120	0.61837	559.0	11.0	504.2	7.1	811.0	31.0	504.2	7.1	9.8
BT02DZ_20	233.10	2.15	0.84530	0.00870	0.08278	0.00091	0.50157	621.9	4.8	512.7	5.4	1040.0	13.0	512.7	5.4	17.6
BT02DZ_117	99.40	3.10	0.72600	0.01800	0.08280	0.00190	0.65244	553.0	11.0	513.0	12.0	731.0	25.0	513.0	12.0	7.2
BT02DZ_75	86.60	2.70	0.76500	0.02000	0.08330	0.00110	0.10068	576.0	12.0	516.0	6.7	828.0	40.0	516.0	6.7	10.4
BT02DZ_94	48.00	0.92	0.70900	0.01700	0.08390	0.00190	0.18415	543.0	10.0	519.0	12.0	610.0	44.0	519.0	12.0	4.4
BT02DZ_58	50.30	0.39	0.85200	0.02700	0.08410	0.00150	0.20518	624.0	15.0	520.2	9.1	1056.0	43.0	520.2	9.1	16.6
BT02DZ_9	36.70	0.95	1.07700	0.06600	0.08480	0.00160	0.09265	740.0	32.0	524.8	9.4	1450.0	130.0	524.8	9.4	29.1
BT02DZ_113	81.50	1.06	0.75500	0.02100	0.08550	0.00160	0.39541	570.0	13.0	529.0	9.8	737.0	36.0	529.0	9.8	7.2
BT02DZ_107	66.40	0.85	0.78500	0.01600	0.08600	0.00130	0.21865	590.2	9.2	531.9	7.9	809.0	29.0	531.9	7.9	9.9
BT02DZ_66	62.60	0.86	0.78900	0.01700	0.08660	0.00130	0.06962	589.7	9.5	535.5	7.9	826.0	31.0	535.5	7.9	9.2
BT02DZ_101	39.25	1.00	0.71400	0.01600	0.08850	0.00130	0.64212	546.6	9.2	546.4	8.0	554.0	23.0	546.4	8.0	0.0
BT02DZ_64	187.00	1.84	1.11200	0.03600	0.08920	0.00280	0.23157	758.0	17.0	551.0	17.0	1457.0	67.0	551.0	17.0	27.3
BT02DZ_31	120.20	0.74	0.73000	0.01300	0.09050	0.00120	0.37809	557.2	7.4	558.4	7.1	556.0	26.0	558.4	7.1	0.2
BT02DZ_111	85.40	0.62	0.71200	0.01000	0.09050	0.00110	0.32432	545.8	6.0	558.5	6.6	509.0	20.0	558.5	6.6	2.3
BT02DZ_61	73.70	1.13	0.75700	0.01300	0.09250	0.00130	0.04848	572.2	7.7	570.0	7.8	596.0	29.0	570.0	7.8	0.4
BT02DZ_56	109.70	0.71	0.77700	0.01500	0.09270	0.00150	0.35270	586.1	8.8	571.2	9.1	632.0	30.0	571.2	9.1	2.5
BT02DZ_100	77.60	0.60	0.75600	0.01500	0.09280	0.00150	0.39239	570.8	8.8	573.1	9.2	563.0	35.0	573.1	9.2	0.4
BT02DZ_81	152.10	0.57	0.86100	0.01800	0.09440	0.00160	0.52928	631.6	9.4	581.6	9.4	822.0	26.0	581.6	9.4	7.9
BT02DZ_98	31.84	0.56	0.80100	0.02400	0.09560	0.00180	0.47194	596.0	14.0	589.0	10.0	603.0	31.0	589.0	10.0	1.2
BT02DZ_26	51.50	0.21	0.78800	0.01600	0.09610	0.00140	0.42831	589.3	9.0	591.6	8.1	619.0	24.0	591.6	8.1	0.4
BT02DZ_84	49.50	0.49	0.80500	0.01800	0.09780	0.00140	0.24224	601.0	10.0	601.3	8.4	616.0	24.0	601.3	8.4	0.0
BT02DZ_59	29.50	1.71	0.85600	0.03400	0.10050	0.00290	0.00629	626.0	18.0	617.0	17.0	664.0	53.0	617.0	17.0	1.4
BT02DZ_115	59.70	0.88	0.95500	0.02000	0.10040	0.00170	0.25992	680.0	10.0	617.0	10.0	908.0	36.0	617.0	10.0	9.3
BT02DZ_18	8.90	0.95	0.90800	0.04100	0.10270	0.00340	0.25958	656.0	23.0	630.0	20.0	769.0	71.0	630.0	20.0	4.0
BT02DZ_32	86.20	2.33	1.16100	0.03000	0.10360	0.00190	0.44251	791.0	13.0	635.0	11.0	1236.0	37.0	635.0	11.0	19.7
BT02DZ_35	61.30	0.91	1.42200	0.03400	0.10450	0.00190	0.05214	897.0	14.0	641.0	11.0	1577.0	48.0	641.0	11.0	28.5
BT02DZ_106	106.40	0.55	0.91800	0.01500	0.10590	0.00150	0.47438	660.7	8.1	648.7	8.7	668.0	17.0	648.7	8.7	1.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT02DZ_92	89.70	1.20	0.90000	0.01500	0.10810	0.00180	0.39661	652.3	7.7	663.0	10.0	626.0	20.0	663.0	10.0	1.6
BT02DZ_46	205.90	3.47	1.61600	0.05500	0.11590	0.00260	0.39369	977.0	21.0	706.0	15.0	1646.0	61.0	706.0	15.0	27.7
BT02DZ_67	100.50	1.28	1.62800	0.04800	0.12100	0.00290	0.72005	981.0	18.0	738.0	17.0	1613.0	32.0	738.0	17.0	24.8
BT02DZ_63	172.00	2.94	1.35700	0.04000	0.12220	0.00310	0.47535	869.0	17.0	743.0	18.0	1177.0	28.0	743.0	18.0	14.5
BT02DZ_7	78.80	0.99	1.14200	0.03100	0.12430	0.00260	0.62918	772.0	15.0	755.0	15.0	813.0	35.0	755.0	15.0	2.2
BT02DZ_108	39.00	0.67	1.52600	0.08100	0.12980	0.00320	0.24041	936.0	32.0	787.0	18.0	1359.0	97.0	787.0	18.0	15.9
BT02DZ_2	186.00	1.40	1.66500	0.03700	0.13070	0.00260	0.59651	994.0	14.0	794.0	15.0	1454.0	32.0	794.0	15.0	20.1
BT02DZ_86	232.00	4.60	1.27800	0.07600	0.13590	0.00670	0.97546	825.0	35.0	819.0	38.0	860.0	27.0	819.0	38.0	0.7
BT02DZ_71	51.90	0.98	1.27800	0.02600	0.13590	0.00210	0.57554	835.0	11.0	821.0	12.0	862.0	20.0	821.0	12.0	1.7
BT02DZ_69	50.50	0.64	1.53600	0.03800	0.14320	0.00310	0.46565	945.0	15.0	862.0	18.0	1125.0	24.0	862.0	18.0	8.8
BT02DZ_114	38.40	1.86	1.56400	0.05600	0.14520	0.00550	0.85304	952.0	23.0	873.0	31.0	1196.0	29.0	873.0	31.0	8.3
BT02DZ_104	143.80	1.19	1.69600	0.03400	0.14540	0.00230	0.67109	1006.0	13.0	877.0	14.0	1309.0	23.0	877.0	14.0	12.8
BT02DZ_65	92.00	1.66	1.43000	0.02900	0.14750	0.00330	0.78372	900.0	12.0	886.0	18.0	955.0	23.0	886.0	18.0	1.6
BT02DZ_99	346.00	5.21	1.69900	0.03300	0.14750	0.00450	0.77291	1009.0	13.0	886.0	25.0	1273.0	36.0	886.0	25.0	12.2
BT02DZ_96	58.60	1.40	1.79000	0.03600	0.15290	0.00350	0.64306	1043.0	13.0	917.0	20.0	1334.0	23.0	917.0	20.0	12.1
BT02DZ_29	169.40	2.92	1.69700	0.02200	0.15550	0.00210	0.48974	1006.9	8.3	932.0	12.0	1175.0	21.0	932.0	12.0	7.4
BT02DZ_103	92.70	2.04	1.61900	0.02900	0.15870	0.00230	0.66871	978.0	11.0	949.0	13.0	1036.0	15.0	949.0	13.0	3.0
BT02DZ_118	37.10	0.37	1.86300	0.03500	0.18290	0.00260	0.39469	1067.0	12.0	1083.0	14.0	1036.0	20.0	1036.0	20.0	4.5
BT02DZ_21	100.90	0.56	1.81000	0.03200	0.17610	0.00290	0.71762	1049.0	12.0	1048.0	16.0	1050.0	13.0	1050.0	13.0	0.2
BT02DZ_33	58.40	1.51	1.81000	0.03100	0.17580	0.00280	0.46644	1050.0	11.0	1044.0	15.0	1054.0	16.0	1054.0	16.0	0.9
BT02DZ_89	161.00	0.85	2.00700	0.02900	0.19410	0.00310	0.75058	1117.1	9.7	1143.0	17.0	1062.0	13.0	1062.0	13.0	7.6
BT02DZ_25	25.80	1.66	1.73200	0.03200	0.16920	0.00320	0.33094	1021.0	12.0	1007.0	18.0	1074.0	28.0	1074.0	28.0	6.2
BT02DZ_74	81.60	3.17	1.91300	0.03800	0.18260	0.00400	0.68995	1087.0	13.0	1081.0	22.0	1096.0	19.0	1096.0	19.0	1.4
BT02DZ_37	162.90	1.81	1.85400	0.02200	0.17650	0.00190	0.66115	1065.5	7.7	1048.0	10.0	1097.0	11.0	1097.0	11.0	4.5
BT02DZ_91	65.80	1.13	1.71100	0.03700	0.16280	0.00250	0.49233	1011.0	14.0	972.0	14.0	1101.0	31.0	1101.0	31.0	11.7
BT02DZ_16	45.80	1.24	1.77600	0.02900	0.16540	0.00250	0.42501	1037.0	11.0	987.0	14.0	1141.0	21.0	1141.0	21.0	13.5
BT02DZ_57	98.10	1.48	1.96200	0.02500	0.17900	0.00260	0.44840	1101.9	8.7	1061.0	14.0	1172.0	23.0	1172.0	23.0	9.5
BT02DZ_97	56.90	0.84	2.02200	0.04400	0.18630	0.00400	0.65309	1121.0	15.0	1101.0	22.0	1175.0	19.0	1175.0	19.0	6.3
BT02DZ_76	57.43	0.60	1.83500	0.02800	0.16630	0.00210	0.22305	1057.5	9.9	992.0	12.0	1181.0	20.0	1181.0	20.0	16.0
BT02DZ_40	24.00	1.24	1.86900	0.04400	0.16720	0.00380	0.34407	1069.0	16.0	996.0	21.0	1195.0	34.0	1195.0	34.0	16.7
BT02DZ_36	200.30	2.03	2.22100	0.03600	0.20100	0.00290	0.82865	1187.0	11.0	1185.0	17.0	1208.0	12.0	1208.0	12.0	1.9
BT02DZ_102	89.80	1.64	2.27100	0.04200	0.20110	0.00460	0.84649	1202.0	13.0	1181.0	25.0	1231.0	14.0	1231.0	14.0	4.1
BT02DZ_5	49.50	1.48	2.36900	0.03400	0.21010	0.00370	0.60738	1232.0	10.0	1229.0	20.0	1249.0	21.0	1249.0	21.0	1.6
BT02DZ_112	222.00	0.68	2.44700	0.01700	0.21610	0.00140	0.43810	1256.2	5.1	1261.0	7.2	1250.1	8.7	1250.1	8.7	0.9
BT02DZ_72	105.10	1.28	1.91300	0.03200	0.16810	0.00260	0.62354	1085.0	11.0	1004.0	15.0	1264.0	17.0	1264.0	17.0	20.6
BT02DZ_27	137.50	1.62	2.49400	0.02300	0.21770	0.00190	0.72431	1270.8	6.9	1270.0	10.0	1268.0	7.5	1268.0	7.5	0.2
BT02DZ_54	321.00	2.14	1.95900	0.03900	0.16720	0.00280	0.81144	1101.0	13.0	996.0	16.0	1299.0	19.0	1299.0	19.0	23.3
BT02DZ_116	36.10	0.51	1.89800	0.04500	0.16310	0.00320	0.48199	1079.0	16.0	974.0	18.0	1322.0	22.0	1322.0	22.0	26.3
BT02DZ_43	36.00	1.03	2.01000	0.04400	0.16850	0.00300	0.17662	1118.0	15.0	1003.0	16.0	1359.0	32.0	1359.0	32.0	26.2
BT02DZ_95	147.00	6.24	2.47600	0.03800	0.20530	0.00320	0.42829	1264.0	11.0	1204.0	17.0	1362.0	22.0	1362.0	22.0	11.6
BT02DZ_4	25.13	0.94	2.76900	0.05600	0.22290	0.00440	0.47063	1346.0	15.0	1296.0	23.0	1444.0	21.0	1444.0	21.0	10.2
BT02DZ_22	60.20	0.83	2.49300	0.05000	0.19840	0.00360	0.48767	1268.0	15.0	1166.0	19.0	1452.0	21.0	1452.0	21.0	19.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT02DZ_60	41.90	1.71	2.68300	0.05500	0.20130	0.00610	0.61349	1325.0	16.0	1182.0	33.0	1542.0	30.0	1542.0	30.0	23.3
BT02DZ_8	40.30	0.41	4.64700	0.05500	0.31300	0.00280	0.13049	1756.8	9.9	1755.0	14.0	1764.0	12.0	1764.0	12.0	0.5
BT02DZ_49	80.50	1.32	5.12000	0.15000	0.33120	0.00900	0.94892	1837.0	26.0	1842.0	44.0	1836.0	11.0	1836.0	11.0	0.3
BT02DZ_109	150.00	0.63	4.36000	0.15000	0.28120	0.00720	0.75657	1704.0	28.0	1602.0	37.0	1839.0	30.0	1839.0	30.0	12.9
BT02DZ_80	66.30	0.83	5.21900	0.06500	0.33040	0.00410	0.69433	1856.0	10.0	1840.0	20.0	1876.8	9.3	1876.8	9.3	2.0
BT02DZ_6	172.20	1.21	8.31600	0.07100	0.43770	0.00440	0.73896	2265.6	7.7	2340.0	20.0	2196.0	7.8	2196.0	7.8	6.6
BT02DZ_77	191.00	2.23	8.65000	0.23000	0.36910	0.00940	0.90904	2302.0	25.0	2023.0	44.0	2551.0	13.0	2551.0	13.0	20.7
BT02DZ_87	279.00	1.05	14.30000	0.15000	0.53910	0.00570	0.88252	2769.2	9.9	2779.0	24.0	2766.2	4.6	2766.2	4.6	0.5
BT02DZ_34	61.50	2.46	14.42000	0.30000	0.50300	0.01300	0.81997	2776.0	20.0	2633.0	53.0	2894.0	15.0	2894.0	15.0	9.0
SUBANDEAN ZONE																
SAZ24: San Diego Fm., Triassic (n=121), (21.47°S, 64.23°W)																
SAZ24_54	122.60	0.66	0.28370	0.00510	0.03894	0.00053	0.02779	254.1	3.9	246.3	3.3	322.0	51.0	246.3	3.3	3.1
SAZ24_28	277.00	0.66	0.28800	0.01100	0.03910	0.00170	0.79902	256.4	8.8	247.0	11.0	378.0	49.0	247.0	11.0	3.7
SAZ24_103	132.90	0.59	0.29900	0.01100	0.03911	0.00092	0.09399	265.7	8.2	247.3	5.7	410.0	86.0	247.3	5.7	6.9
SAZ24_34	107.70	0.69	0.29240	0.00840	0.03973	0.00093	0.41953	260.0	6.6	251.1	5.8	318.0	59.0	251.1	5.8	3.4
SAZ24_96	301.10	0.63	0.29370	0.00390	0.04052	0.00037	0.30083	261.4	3.1	256.0	2.3	294.0	31.0	256.0	2.3	2.1
SAZ24_7	38.90	0.58	0.29600	0.00960	0.04104	0.00065	0.21012	262.7	7.5	259.2	4.0	260.0	73.0	259.2	4.0	1.3
SAZ24_57	144.20	0.85	0.28730	0.00480	0.04126	0.00051	0.13874	256.3	3.8	260.6	3.1	242.0	47.0	260.6	3.1	−1.7
SAZ24_43	223.00	1.06	0.30330	0.00560	0.04127	0.00046	0.32791	268.8	4.3	260.7	2.8	325.0	39.0	260.7	2.8	3.0
SAZ24_77	27.44	0.29	0.28900	0.01000	0.04153	0.00094	0.07947	257.2	8.3	262.3	5.8	247.0	74.0	262.3	5.8	−2.0
SAZ24_114	381.00	0.54	0.30190	0.00420	0.04172	0.00040	0.14363	267.8	3.3	263.5	2.5	304.0	37.0	263.5	2.5	1.6
SAZ24_120	157.60	0.46	0.30680	0.00600	0.04178	0.00045	0.13607	271.5	4.7	263.8	2.8	338.0	47.0	263.8	2.8	2.8
SAZ24_44	500.00	0.88	0.29790	0.00310	0.04180	0.00033	0.38187	264.7	2.4	263.9	2.0	259.0	22.0	263.9	2.0	0.3
SAZ24_16	286.00	0.95	0.29380	0.00380	0.04201	0.00041	0.28544	261.5	3.0	265.3	2.5	224.0	34.0	265.3	2.5	−1.5
SAZ24_37	453.00	0.65	0.30890	0.00560	0.04217	0.00078	0.65942	273.2	4.4	266.2	4.8	343.0	32.0	266.2	4.8	2.6
SAZ24_110	266.10	0.66	0.30770	0.00560	0.04233	0.00094	0.20697	272.3	4.4	267.2	5.8	290.0	59.0	267.2	5.8	1.9
SAZ24_102	151.20	0.71	0.30480	0.00600	0.04245	0.00055	0.39409	270.5	4.8	268.0	3.4	293.0	44.0	268.0	3.4	0.9
SAZ24_62	134.00	1.29	0.30440	0.00790	0.04251	0.00070	0.39941	270.2	6.1	268.3	4.3	291.0	54.0	268.3	4.3	0.7
SAZ24_99	228.00	1.07	0.30640	0.00470	0.04261	0.00046	0.31178	271.8	3.8	269.0	2.8	301.0	34.0	269.0	2.8	1.0
SAZ24_18	73.40	0.58	0.30920	0.00900	0.04266	0.00076	0.20524	273.1	7.0	269.3	4.7	346.0	72.0	269.3	4.7	1.4
SAZ24_9	197.50	0.82	0.31020	0.00500	0.04289	0.00056	0.21743	274.7	3.8	270.7	3.4	319.0	39.0	270.7	3.4	1.5
SAZ24_47	214.00	1.13	0.31020	0.00460	0.04315	0.00044	0.32737	274.2	3.6	272.3	2.7	301.0	33.0	272.3	2.7	0.7
SAZ24_86	176.00	0.91	0.30960	0.00730	0.04328	0.00086	0.68934	273.6	5.6	273.1	5.3	258.0	42.0	273.1	5.3	0.2
SAZ24_55	85.30	0.54	0.31650	0.00760	0.04442	0.00065	0.48676	279.7	5.7	280.2	4.0	280.0	49.0	280.2	4.0	−0.2
SAZ24_51	296.00	1.35	0.32170	0.00440	0.04445	0.00049	0.45692	283.5	3.4	280.4	3.0	289.0	28.0	280.4	3.0	1.1
SAZ24_68	127.00	0.55	0.31940	0.00640	0.04457	0.00045	0.03932	281.2	4.9	281.1	2.8	260.0	49.0	281.1	2.8	0.0
SAZ24_24	366.00	1.61	0.32530	0.00560	0.04568	0.00050	0.48818	285.8	4.3	287.9	3.1	285.0	36.0	287.9	3.1	−0.7
SAZ24_11	303.00	1.22	0.33560	0.00580	0.04678	0.00089	0.72666	293.7	4.4	294.7	5.5	285.0	34.0	294.7	5.5	−0.3
SAZ24_118	111.10	1.12	0.34080	0.00680	0.04737	0.00052	0.12363	297.5	5.1	298.4	3.2	283.0	47.0	298.4	3.2	−0.3
SAZ24_72	121.00	0.79	0.35260	0.00710	0.04783	0.00057	0.07985	307.2	5.2	301.2	3.5	331.0	50.0	301.2	3.5	2.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
SAZ24_5	337.00	0.85	0.34670	0.00550	0.04809	0.00062	0.47277	302.1	4.2	302.7	3.8	291.0	31.0	302.7	3.8	−0.2
SAZ24_88	125.10	1.17	0.34620	0.00720	0.04842	0.00092	0.47132	301.6	5.5	304.8	5.6	254.0	47.0	304.8	5.6	−1.1
SAZ24_10	246.60	2.60	0.35400	0.00800	0.04866	0.00080	0.76528	308.1	5.9	306.3	4.9	305.0	32.0	306.3	4.9	0.6
SAZ24_67	162.70	1.42	0.37730	0.00580	0.05178	0.00047	0.08272	324.9	4.3	325.5	2.9	311.0	42.0	325.5	2.9	−0.2
SAZ24_98	119.00	0.61	0.48040	0.00750	0.06360	0.00110	0.29626	398.1	5.2	397.6	6.7	402.0	46.0	397.6	6.7	0.1
SAZ24_92	296.40	1.65	0.49420	0.00670	0.06520	0.00068	0.46297	407.7	4.6	407.1	4.1	418.0	30.0	407.1	4.1	0.1
SAZ24_21	98.00	1.01	0.54010	0.00950	0.06966	0.00091	0.12579	438.1	6.3	434.0	5.5	463.0	44.0	434.0	5.5	0.9
SAZ24_69	78.60	0.37	0.54900	0.01100	0.07142	0.00081	0.17923	444.1	7.2	444.6	4.8	429.0	49.0	444.6	4.8	−0.1
SAZ24_61	52.10	1.77	0.57600	0.01100	0.07270	0.00110	0.21971	462.4	7.1	453.5	6.8	470.0	51.0	453.5	6.8	1.9
SAZ24_17	119.00	4.01	0.58320	0.00970	0.07325	0.00094	0.40130	466.9	6.4	455.7	5.6	497.0	36.0	455.7	5.6	2.4
SAZ24_4	177.00	4.22	0.60220	0.00890	0.07409	0.00099	0.34362	478.3	5.6	460.7	6.0	564.0	40.0	460.7	6.0	3.7
SAZ24_45	211.80	0.87	0.58090	0.00770	0.07495	0.00098	0.49609	464.8	4.9	465.8	5.9	458.0	30.0	465.8	5.9	−0.2
SAZ24_85	191.30	8.62	0.58150	0.00660	0.07518	0.00071	0.32975	465.3	4.2	467.3	4.2	458.0	28.0	467.3	4.2	−0.4
SAZ24_74	523.00	9.80	0.58000	0.01900	0.07600	0.00200	0.60765	464.0	12.0	472.0	12.0	386.0	47.0	472.0	12.0	−1.7
SAZ24_75	332.00	2.27	0.59260	0.00670	0.07610	0.00088	0.53856	472.3	4.3	472.8	5.3	459.0	26.0	472.8	5.3	−0.1
SAZ24_97	326.00	0.99	0.60620	0.00600	0.07709	0.00073	0.60258	481.5	3.9	478.7	4.4	485.0	22.0	478.7	4.4	0.6
SAZ24_111	737.00	57.00	0.61040	0.00680	0.07724	0.00056	0.52787	483.7	4.3	479.6	3.4	494.0	24.0	479.6	3.4	0.8
SAZ24_83	307.00	9.39	0.61410	0.00840	0.07800	0.00120	0.64627	485.9	5.3	484.0	7.2	464.0	28.0	484.0	7.2	0.4
SAZ24_27	158.70	4.66	0.61480	0.00760	0.07914	0.00081	0.17741	486.4	4.8	491.5	4.9	462.0	34.0	491.5	4.9	−1.0
SAZ24_36	223.00	0.88	0.62490	0.00820	0.08030	0.00100	0.40575	493.3	5.2	497.7	6.2	462.0	31.0	497.7	6.2	−0.9
SAZ24_42	35.10	1.27	0.65500	0.02200	0.08130	0.00170	0.37949	513.0	14.0	503.8	9.9	546.0	68.0	503.8	9.9	1.8
SAZ24_63	115.90	3.40	0.65900	0.01700	0.08130	0.00160	0.58932	515.0	10.0	504.0	9.7	533.0	45.0	504.0	9.7	2.1
SAZ24_12	265.00	1.03	0.69300	0.01300	0.08590	0.00160	0.79206	534.1	7.9	532.2	9.5	555.0	23.0	532.2	9.5	0.4
SAZ24_20	186.70	0.98	0.68900	0.01000	0.08610	0.00094	0.41242	532.1	6.0	532.4	5.6	537.0	28.0	532.4	5.6	−0.1
SAZ24_58	111.40	0.77	0.69520	0.00900	0.08630	0.00120	0.39061	535.7	5.4	533.8	7.0	536.0	33.0	533.8	7.0	0.4
SAZ24_38	322.00	4.21	0.69500	0.00690	0.08654	0.00076	0.48420	535.6	4.2	535.0	4.5	534.0	23.0	535.0	4.5	0.1
SAZ24_87	199.80	4.97	0.70700	0.01800	0.08660	0.00150	0.80543	544.0	11.0	535.4	8.8	576.0	31.0	535.4	8.8	1.6
SAZ24_106	118.80	2.89	0.68400	0.01100	0.08684	0.00095	0.32209	530.1	6.8	536.8	5.7	493.0	37.0	536.8	5.7	−1.3
SAZ24_65	132.30	0.79	0.70100	0.01000	0.08734	0.00089	0.45147	539.1	6.1	539.8	5.3	522.0	31.0	539.8	5.3	−0.1
SAZ24_32	271.00	2.44	0.75900	0.01900	0.08740	0.00140	0.49914	573.0	11.0	539.9	8.1	739.0	42.0	539.9	8.1	5.8
SAZ24_1	235.10	3.84	0.70110	0.00820	0.08768	0.00099	0.39899	539.2	4.9	542.4	5.9	514.0	26.0	542.4	5.9	−0.6
SAZ24_35	107.60	0.93	0.70400	0.01200	0.08822	0.00091	0.28497	540.9	7.0	545.0	5.4	542.0	37.0	545.0	5.4	−0.8
SAZ24_49	399.00	27.80	0.73000	0.02100	0.08820	0.00220	0.79945	560.0	13.0	545.0	13.0	623.0	37.0	545.0	13.0	2.7
SAZ24_33	268.00	1.16	0.71080	0.00840	0.08851	0.00075	0.42021	545.0	5.0	546.7	4.4	547.0	26.0	546.7	4.4	−0.3
SAZ24_46	286.00	4.29	0.71280	0.00840	0.08925	0.00086	0.37049	546.3	5.0	551.1	5.1	519.0	25.0	551.1	5.1	−0.9
SAZ24_115	299.00	1.97	0.72250	0.00760	0.08969	0.00078	0.55755	552.0	4.5	553.7	4.6	543.0	21.0	553.7	4.6	−0.3
SAZ24_66	112.10	1.99	0.73500	0.01200	0.09010	0.00130	0.29369	560.7	6.9	555.9	7.8	550.0	39.0	555.9	7.8	0.9
SAZ24_2	138.20	0.82	0.73700	0.02000	0.09040	0.00200	0.61629	563.0	11.0	558.0	12.0	532.0	47.0	558.0	12.0	0.9
SAZ24_80	101.10	0.65	0.73750	0.00980	0.09051	0.00095	0.32769	560.6	5.7	558.5	5.6	567.0	32.0	558.5	5.6	0.4
SAZ24_84	356.00	1.56	0.73780	0.00910	0.09100	0.00120	0.67639	560.8	5.3	561.3	7.0	528.0	23.0	561.3	7.0	−0.1
SAZ24_78	47.90	1.66	0.73600	0.01500	0.09210	0.00120	0.10377	560.8	8.4	567.7	7.1	534.0	53.0	567.7	7.1	−1.2
SAZ24_19	73.00	0.28	0.94000	0.01900	0.09210	0.00130	0.16381	672.0	10.0	568.0	7.8	1047.0	37.0	568.0	7.8	15.5
SAZ24_26	243.70	1.66	0.73910	0.00770	0.09220	0.00062	0.48856	561.7	4.5	568.5	3.7	538.0	20.0	568.5	3.7	−1.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
SAZ24_56	84.80	1.23	0.75100	0.01400	0.09230	0.00130	0.61519	568.4	8.0	569.3	7.6	539.0	31.0	569.3	7.6	−0.2
SAZ24_41	242.50	1.39	0.74980	0.00680	0.09328	0.00074	0.45442	567.9	4.0	574.8	4.4	535.0	20.0	574.8	4.4	−1.2
SAZ24_8	202.00	3.59	0.80400	0.01100	0.09390	0.00160	0.66373	599.7	6.5	578.4	9.2	676.0	26.0	578.4	9.2	3.6
SAZ24_59	170.10	0.86	0.77310	0.00930	0.09430	0.00110	0.42888	582.6	5.1	581.5	6.1	580.0	26.0	581.5	6.1	0.2
SAZ24_95	173.00	0.76	0.78800	0.01200	0.09680	0.00220	0.60251	591.7	7.8	595.0	13.0	571.0	43.0	595.0	13.0	−0.6
SAZ24_30	172.50	2.62	0.79400	0.00810	0.09698	0.00067	0.12450	593.3	4.6	596.7	3.9	585.0	25.0	596.7	3.9	−0.6
SAZ24_22	154.70	0.88	0.80600	0.01200	0.09850	0.00140	0.58856	600.0	6.6	605.2	8.3	599.0	31.0	605.2	8.3	−0.9
SAZ24_39	90.10	0.37	0.81800	0.01600	0.09940	0.00140	0.51975	607.0	8.6	610.8	8.0	595.0	38.0	610.8	8.0	−0.6
SAZ24_15	123.90	0.99	0.83000	0.01000	0.10090	0.00140	0.47516	613.3	5.8	619.8	8.3	607.0	29.0	619.8	8.3	−1.1
SAZ24_93	278.00	6.12	0.84660	0.00850	0.10250	0.00098	0.57491	622.6	4.7	629.0	5.7	593.0	20.0	629.0	5.7	−1.0
SAZ24_60	436.00	6.04	0.87200	0.01600	0.10370	0.00170	0.87130	635.7	8.8	635.8	9.7	641.0	18.0	635.8	9.7	0.0
SAZ24_14	252.30	2.43	0.87000	0.01200	0.10560	0.00100	0.62079	635.4	6.3	646.8	5.9	601.0	21.0	646.8	5.9	−1.8
SAZ24_73	733.00	5.30	0.89850	0.00590	0.10619	0.00089	0.64869	651.3	3.2	650.5	5.2	637.0	15.0	650.5	5.2	0.1
SAZ24_50	160.30	2.26	0.94000	0.01200	0.11110	0.00130	0.67633	672.7	6.4	678.8	7.4	656.0	22.0	678.8	7.4	−0.9
SAZ24_40	229.00	1.20	1.02100	0.01300	0.11600	0.00110	0.75453	714.8	6.4	707.4	6.6	736.0	17.0	707.4	6.6	1.0
SAZ24_25	71.20	1.22	1.10200	0.02900	0.12190	0.00280	0.79563	755.0	13.0	741.0	16.0	773.0	33.0	741.0	16.0	1.9
SAZ24_74	569.00	2.26	1.34800	0.01500	0.13290	0.00140	0.54689	866.5	6.5	804.6	8.2	1006.0	22.0	804.6	8.2	7.1
SAZ24_2	537.00	27.50	1.32400	0.02800	0.13770	0.00320	0.86160	856.0	12.0	831.0	18.0	904.0	22.0	831.0	18.0	2.9
SAZ24_3	221.00	1.40	1.56600	0.01300	0.16040	0.00130	0.47038	957.6	5.1	959.0	7.3	953.0	18.0	953.0	18.0	−0.6
SAZ24_70	366.00	2.07	1.63800	0.02300	0.16500	0.00220	0.77157	986.5	8.9	986.0	13.0	984.0	20.0	984.0	20.0	−0.2
SAZ24_91	71.40	1.08	1.69100	0.01900	0.16780	0.00160	0.42010	1005.7	7.2	999.9	8.9	1003.0	23.0	1003.0	23.0	0.3
SAZ24_76	611.00	0.52	1.67300	0.01500	0.16530	0.00150	0.58749	999.1	5.3	986.9	8.2	1012.0	15.0	1012.0	15.0	2.5
SAZ24_109	97.10	1.30	1.84900	0.02000	0.18110	0.00190	0.45643	1062.5	7.2	1073.0	10.0	1054.0	24.0	1054.0	24.0	−1.8
SAZ24_6	97.60	1.87	1.82000	0.01500	0.17670	0.00150	0.38431	1052.5	5.6	1048.9	8.0	1062.0	18.0	1062.0	18.0	1.2
SAZ24_94	125.00	1.54	1.85800	0.01800	0.18040	0.00170	0.42821	1066.0	6.5	1069.0	9.2	1066.0	20.0	1066.0	20.0	−0.3
SAZ24_100	74.00	1.37	1.88100	0.03000	0.18270	0.00340	0.62104	1073.0	11.0	1084.0	18.0	1067.0	31.0	1067.0	31.0	−1.6
SAZ24_52	192.00	1.13	1.85100	0.02900	0.17580	0.00290	0.63121	1065.0	10.0	1043.0	16.0	1072.0	28.0	1072.0	28.0	2.7
SAZ24_71	167.90	2.01	1.79900	0.03500	0.17030	0.00280	0.90632	1044.0	13.0	1018.0	15.0	1090.0	19.0	1090.0	19.0	6.6
SAZ24_42	128.00	2.07	1.98600	0.03700	0.18710	0.00280	0.40573	1110.0	13.0	1106.0	15.0	1097.0	40.0	1097.0	40.0	−0.8
SAZ24_90	156.60	2.19	1.88200	0.01900	0.17900	0.00180	0.58633	1075.1	6.7	1061.6	9.9	1100.0	20.0	1100.0	20.0	3.5
SAZ24_119	162.00	1.56	1.91000	0.02300	0.18130	0.00230	0.61947	1085.3	7.8	1074.0	13.0	1111.0	23.0	1111.0	23.0	3.3
SAZ24_116	135.40	1.47	1.94600	0.01900	0.18310	0.00200	0.43650	1097.6	6.8	1084.0	11.0	1119.0	22.0	1119.0	22.0	3.1
SAZ24_117	108.20	1.78	1.91100	0.02700	0.17980	0.00290	0.83582	1084.5	9.3	1066.0	16.0	1122.0	22.0	1122.0	22.0	5.0
SAZ24_53	354.00	3.97	1.81400	0.06300	0.16780	0.00440	0.94496	1046.0	23.0	1000.0	24.0	1149.0	21.0	1149.0	21.0	13.0
SAZ24_107	266.00	1.33	2.02700	0.05600	0.18770	0.00450	0.93287	1124.0	19.0	1108.0	25.0	1155.0	22.0	1155.0	22.0	4.1
SAZ24_79	103.50	2.13	2.24800	0.02200	0.20350	0.00190	0.53730	1195.8	7.0	1194.0	10.0	1203.0	21.0	1203.0	21.0	0.7
SAZ24_108	542.00	3.12	2.26100	0.02000	0.20460	0.00190	0.78118	1199.8	6.2	1200.0	10.0	1212.0	12.0	1212.0	12.0	1.0
SAZ24_64	161.30	1.29	2.39100	0.02500	0.21300	0.00220	0.70591	1239.5	7.5	1245.0	12.0	1225.0	16.0	1225.0	16.0	−1.6
SAZ24_48	128.30	2.31	2.37900	0.02300	0.21160	0.00180	0.52044	1235.9	7.0	1237.3	9.6	1228.0	16.0	1228.0	16.0	−0.8
SAZ24_101	36.60	4.35	2.41000	0.03600	0.21290	0.00240	0.31849	1246.0	11.0	1246.0	13.0	1251.0	33.0	1251.0	33.0	0.4
SAZ24_31	75.20	1.13	2.37600	0.09600	0.20220	0.00700	0.93492	1229.0	30.0	1186.0	37.0	1290.0	30.0	1290.0	30.0	8.1
SAZ24_82	146.00	1.97	3.11200	0.03000	0.25020	0.00300	0.54555	1436.2	7.2	1439.0	15.0	1410.0	21.0	1410.0	21.0	−2.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
SAZ24_29	295.00	0.83	3.94300	0.02300	0.28950	0.00160	0.51499	1622.4	4.7	1638.8	8.1	1597.0	11.0	1597.0	11.0	−2.6
SAZ24_113	66.80	2.54	3.81100	0.05800	0.27700	0.00370	0.69313	1596.0	12.0	1576.0	19.0	1623.0	23.0	1623.0	23.0	2.9
SAZ24_23	211.00	2.89	5.33200	0.03700	0.34320	0.00310	0.64898	1873.8	6.0	1902.0	15.0	1853.0	13.0	1853.0	13.0	−2.6
SAZ24_112	128.30	2.54	4.51500	0.05600	0.28740	0.00310	0.78586	1733.0	10.0	1628.0	16.0	1860.0	13.0	1860.0	13.0	12.5
SAZ24_104	104.70	0.68	5.56100	0.05400	0.35000	0.00350	0.66527	1909.3	8.4	1934.0	17.0	1892.0	15.0	1892.0	15.0	−2.2
SAZ24_89	45.90	1.10	6.85000	0.12000	0.38270	0.00670	0.78260	2092.0	15.0	2092.0	30.0	2085.0	22.0	2085.0	22.0	−0.3
SAZ24_105	128.60	1.30	10.39000	0.10000	0.40410	0.00390	0.77541	2469.4	9.2	2187.0	18.0	2703.0	11.0	2703.0	11.0	19.1
EASTERN CORDILLERA																
TMB20: Sayari Fm., Triassic (n=102), (19.58°S, 64.89°W)																
TMB20_44	1200.00	2.01	0.44400	0.00760	0.03987	0.00068	0.28742	372.8	5.3	252.0	4.2	1222.0	42.0	252.0	4.2	32.4
TMB20_14	86.40	0.55	0.30400	0.01200	0.04140	0.00100	0.09529	268.9	9.5	261.4	6.4	317.0	92.0	261.4	6.4	2.8
TMB20_58	147.60	0.68	1.24700	0.07200	0.04840	0.00130	0.68398	826.0	32.0	304.8	8.1	2714.0	66.0	304.8	8.1	63.1
TMB20_88	163.00	0.99	0.34600	0.01000	0.04848	0.00094	0.34304	302.4	7.7	305.1	5.8	265.0	64.0	305.1	5.8	0.9
TMB20_94	44.90	0.92	0.39000	0.02200	0.04920	0.00110	0.05902	334.0	16.0	309.6	7.0	500.0	120.0	309.6	7.0	7.3
TMB20_74	64.20	1.14	0.49200	0.03600	0.05060	0.00280	0.34129	405.0	24.0	318.0	17.0	910.0	160.0	318.0	17.0	21.5
TMB20_23	259.00	1.48	0.68600	0.03000	0.06410	0.00170	0.07532	527.0	18.0	400.0	10.0	1136.0	99.0	400.0	10.0	24.1
TMB20_38	299.00	2.28	0.59900	0.01100	0.07270	0.00160	0.35818	476.1	7.2	452.3	9.4	607.0	51.0	452.3	9.4	5.0
TMB20_102	276.00	2.09	0.58800	0.01100	0.07340	0.00110	0.47680	469.3	7.2	456.6	6.6	507.0	40.0	456.6	6.6	2.7
TMB20_17	191.00	1.44	0.58300	0.01200	0.07380	0.00140	0.33421	465.8	7.6	459.9	8.5	480.0	49.0	459.9	8.5	1.3
TMB20_105	262.00	1.29	0.58200	0.01300	0.07500	0.00150	0.46098	464.8	8.2	466.3	8.7	489.0	47.0	466.3	8.7	0.3
TMB20_10	592.00	1.44	0.62600	0.01200	0.07570	0.00170	0.80910	493.2	7.7	470.0	10.0	618.0	27.0	470.0	10.0	4.7
TMB20_93	168.00	1.27	0.59700	0.01300	0.07580	0.00110	0.00572	475.6	8.0	471.1	6.4	483.0	55.0	471.1	6.4	0.9
TMB20_96	220.00	4.02	0.61800	0.01300	0.07604	0.00096	0.27840	488.3	8.3	472.4	5.7	571.0	42.0	472.4	5.7	3.3
TMB20_39	239.00	2.29	0.60000	0.01100	0.07610	0.00110	0.26035	476.6	6.9	472.9	6.3	487.0	43.0	472.9	6.3	0.8
TMB20_31	384.00	1.74	0.61200	0.01400	0.07710	0.00130	0.46189	485.0	8.6	478.8	7.8	493.0	44.0	478.8	7.8	1.3
TMB20_107	237.40	1.15	0.60200	0.01100	0.07780	0.00110	0.30563	478.2	6.7	482.8	6.5	461.0	41.0	482.8	6.5	1.0
TMB20_11	231.00	1.70	0.61500	0.01100	0.07800	0.00120	0.39775	486.6	7.1	483.8	6.9	498.0	40.0	483.8	6.9	0.6
TMB20_49	399.00	2.70	0.61170	0.00890	0.07820	0.00110	0.53717	484.4	5.6	485.2	6.5	462.0	34.0	485.2	6.5	0.2
TMB20_21	284.00	13.35	0.61800	0.01100	0.07820	0.00120	0.43362	488.3	7.1	485.5	6.9	505.0	43.0	485.5	6.9	0.6
TMB20_28	792.00	13.50	0.62800	0.02000	0.07860	0.00180	0.41812	495.0	12.0	488.0	11.0	558.0	71.0	488.0	11.0	1.4
TMB20_76	244.00	0.69	0.68200	0.01500	0.07900	0.00130	0.43483	527.3	9.3	490.3	7.8	692.0	48.0	490.3	7.8	7.0
TMB20_36	160.00	1.97	0.62600	0.01700	0.07930	0.00120	0.25375	493.0	10.0	491.6	7.5	541.0	56.0	491.6	7.5	0.3
TMB20_47	200.00	1.04	0.63400	0.01300	0.07928	0.00088	0.27118	497.8	8.1	491.8	5.3	534.0	43.0	491.8	5.3	1.2
TMB20_48	125.00	1.11	0.61300	0.01500	0.07940	0.00130	0.19144	484.5	9.3	492.7	7.7	462.0	53.0	492.7	7.7	1.7
TMB20_103	198.00	4.18	0.63600	0.01400	0.08060	0.00110	0.02599	498.8	8.7	499.3	6.6	508.0	52.0	499.3	6.6	0.1
TMB20_35	160.70	1.17	0.65900	0.01500	0.08110	0.00180	0.42219	512.9	9.4	503.0	11.0	587.0	51.0	503.0	11.0	1.9
TMB20_63	190.00	5.60	0.65500	0.01400	0.08450	0.00170	0.35113	510.6	8.8	522.9	9.8	444.0	53.0	522.9	9.8	2.4
TMB20_75	333.00	0.93	0.74600	0.01800	0.08540	0.00200	0.59069	566.0	10.0	528.0	12.0	707.0	36.0	528.0	12.0	6.7
TMB20_13	270.00	2.18	0.69000	0.01200	0.08600	0.00140	0.47791	532.4	7.1	531.7	8.1	539.0	39.0	531.7	8.1	0.1
TMB20_83	346.00	20.90	0.74100	0.02500	0.08800	0.00260	0.34713	563.0	14.0	543.0	15.0	638.0	73.0	543.0	15.0	3.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
TMB20_16	47.40	1.34	0.72200	0.02100	0.08810	0.00160	0.06562	551.0	13.0	544.2	9.3	564.0	78.0	544.2	9.3	1.2
TMB20_72	165.40	0.90	0.69600	0.01300	0.08820	0.00130	0.26214	535.9	8.1	544.6	7.9	516.0	49.0	544.6	7.9	1.6
TMB20_64	69.90	1.26	0.80100	0.03400	0.08920	0.00320	0.48962	597.0	19.0	550.0	19.0	741.0	84.0	550.0	19.0	7.9
TMB20_78	275.00	3.12	0.72100	0.02300	0.08990	0.00250	0.76360	552.0	14.0	555.0	15.0	527.0	43.0	555.0	15.0	0.5
TMB20_2	16.62	1.22	0.86500	0.05500	0.09060	0.00410	0.27990	634.0	31.0	558.0	24.0	870.0	140.0	558.0	24.0	12.0
TMB20_3	59.00	4.97	0.77300	0.02900	0.09190	0.00220	0.37229	579.0	17.0	566.0	13.0	619.0	81.0	566.0	13.0	2.2
TMB20_30	15.04	0.73	0.83400	0.05200	0.09360	0.00310	0.00621	617.0	29.0	576.0	18.0	760.0	130.0	576.0	18.0	6.6
TMB20_5	97.40	0.91	0.78100	0.02100	0.09370	0.00170	0.10091	586.0	12.0	577.2	9.9	624.0	64.0	577.2	9.9	1.5
TMB20_56	60.40	1.46	0.79000	0.02400	0.09410	0.00180	0.35823	591.0	13.0	580.0	11.0	644.0	64.0	580.0	11.0	1.9
TMB20_45	188.00	3.53	0.75700	0.01300	0.09460	0.00140	0.18919	571.6	7.8	582.5	8.2	542.0	44.0	582.5	8.2	1.9
TMB20_92	54.50	0.72	1.06500	0.03600	0.09730	0.00290	0.25856	735.0	18.0	598.0	17.0	1195.0	78.0	598.0	17.0	18.6
TMB20_90	84.00	0.62	0.80700	0.02100	0.09790	0.00130	0.13510	603.0	11.0	601.9	7.8	579.0	59.0	601.9	7.8	0.2
TMB20_89	84.00	11.07	0.81800	0.02400	0.09790	0.00200	0.13100	605.0	13.0	602.0	12.0	673.0	70.0	602.0	12.0	0.5
TMB20_70	150.00	0.77	0.84800	0.01500	0.09890	0.00160	0.06496	623.2	8.0	608.0	9.6	664.0	52.0	608.0	9.6	2.4
TMB20_62	363.00	1.38	0.85900	0.01700	0.09950	0.00180	0.72763	630.2	9.5	611.0	11.0	675.0	28.0	611.0	11.0	3.0
TMB20_15	327.50	86.00	0.83400	0.01200	0.10090	0.00120	0.23417	615.5	6.5	619.7	6.8	617.0	35.0	619.7	6.8	0.7
TMB20_6	89.00	0.42	0.87600	0.02300	0.10490	0.00180	0.22960	637.0	12.0	643.0	11.0	569.0	68.0	643.0	11.0	0.9
TMB20_52	317.00	1.57	1.01500	0.02200	0.10680	0.00240	0.72315	711.0	11.0	654.0	14.0	918.0	38.0	654.0	14.0	8.0
TMB20_77	96.00	1.87	0.91800	0.02200	0.10740	0.00260	0.45095	662.0	11.0	657.0	15.0	681.0	56.0	657.0	15.0	0.8
TMB20_59	78.30	2.05	1.25000	0.05600	0.10800	0.00290	0.00646	827.0	27.0	661.0	17.0	1310.0	110.0	661.0	17.0	20.1
TMB20_22	185.20	1.93	0.92900	0.01600	0.10840	0.00200	0.42423	666.1	8.6	663.0	12.0	698.0	43.0	663.0	12.0	0.5
TMB20_33	278.00	1.66	0.93000	0.01300	0.10930	0.00130	0.50148	667.4	6.7	668.6	7.7	655.0	27.0	668.6	7.7	0.2
TMB20_41	96.40	0.82	1.01300	0.01800	0.11480	0.00200	0.44207	709.4	9.0	700.0	12.0	756.0	42.0	700.0	12.0	1.3
TMB20_40	318.00	5.50	1.26200	0.07300	0.11520	0.00320	0.30428	825.0	31.0	702.0	18.0	1177.0	98.0	702.0	18.0	14.9
TMB20_53	174.00	1.24	1.07900	0.03500	0.12020	0.00250	0.45456	742.0	17.0	731.0	15.0	774.0	63.0	731.0	15.0	1.5
TMB20_71	259.20	2.94	1.22400	0.03000	0.12190	0.00260	0.65064	815.0	14.0	741.0	15.0	1015.0	41.0	741.0	15.0	9.1
TMB20_51	333.00	2.00	1.32200	0.03000	0.12680	0.00290	0.27298	856.0	13.0	769.0	17.0	1084.0	53.0	769.0	17.0	10.2
TMB20_67	30.00	0.69	1.17400	0.04200	0.13220	0.00290	0.38476	785.0	20.0	800.0	16.0	740.0	73.0	800.0	16.0	1.9
TMB20_111	337.00	0.55	1.62300	0.02900	0.13320	0.00270	0.60960	978.0	11.0	806.0	15.0	1392.0	30.0	806.0	15.0	17.6
TMB20_98	288.00	1.83	1.19400	0.01500	0.13370	0.00120	0.40090	797.5	7.1	808.6	6.7	760.0	28.0	808.6	6.7	1.4
TMB20_29	441.00	9.92	1.39000	0.02500	0.13990	0.00240	0.76888	884.0	11.0	844.0	14.0	993.0	23.0	844.0	14.0	4.5
TMB20_19	126.00	4.66	1.35900	0.05000	0.14030	0.00350	0.78496	870.0	21.0	846.0	20.0	951.0	46.0	846.0	20.0	2.8
TMB20_99	330.00	2.31	1.46300	0.04400	0.14410	0.00360	0.82455	915.0	18.0	867.0	20.0	1039.0	34.0	867.0	20.0	5.2
TMB20_46	68.00	2.47	1.46600	0.03300	0.15160	0.00240	0.35257	917.0	13.0	912.0	13.0	936.0	48.0	912.0	13.0	0.5
TMB20_85	136.00	3.19	1.62200	0.04200	0.15650	0.00390	0.61687	978.0	16.0	937.0	22.0	1046.0	47.0	937.0	22.0	4.2
TMB20_32	155.00	2.88	1.78600	0.02300	0.17790	0.00190	0.49429	1040.8	8.1	1056.0	10.0	1014.0	25.0	1014.0	25.0	4.1
TMB20_95	229.00	4.44	1.69900	0.08300	0.16870	0.00910	0.81955	998.0	32.0	1001.0	50.0	1031.0	62.0	1031.0	62.0	2.9
TMB20_101	133.40	1.51	1.86900	0.03000	0.18280	0.00250	0.32625	1069.0	11.0	1082.0	14.0	1033.0	37.0	1033.0	37.0	4.7
TMB20_97	217.00	8.71	1.75000	0.02900	0.17270	0.00260	0.64286	1027.0	11.0	1027.0	14.0	1034.0	27.0	1034.0	27.0	0.7
TMB20_8	201.00	2.14	1.83000	0.02400	0.18070	0.00230	0.51668	1057.9	8.6	1070.0	13.0	1038.0	25.0	1038.0	25.0	3.1
TMB20_109	149.40	1.39	1.82800	0.02400	0.17890	0.00240	0.44073	1055.0	8.6	1061.0	13.0	1044.0	29.0	1044.0	29.0	1.6
TMB20_60	75.80	2.05	1.67900	0.03500	0.15920	0.00270	0.44220	999.0	13.0	952.0	15.0	1071.0	42.0	1071.0	42.0	11.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
TMB20_57	158.00	1.10	1.96000	0.02900	0.18940	0.00220	0.42458	1102.3	9.8	1119.0	12.0	1078.0	28.0	1078.0	28.0	3.8
TMB20_12	282.40	2.28	1.79000	0.03300	0.17130	0.00380	0.69265	1042.0	12.0	1019.0	21.0	1086.0	33.0	1086.0	33.0	6.2
TMB20_104	207.70	1.80	1.92900	0.02700	0.18300	0.00270	0.51840	1093.0	9.1	1083.0	15.0	1093.0	31.0	1093.0	31.0	0.9
TMB20_65	240.40	3.25	1.82900	0.03100	0.17220	0.00350	0.66282	1057.0	11.0	1024.0	19.0	1103.0	32.0	1103.0	32.0	7.2
TMB20_112	243.00	2.90	1.83200	0.02500	0.17290	0.00210	0.53398	1057.5	8.9	1028.0	12.0	1125.0	26.0	1125.0	26.0	8.6
TMB20_106	252.00	1.50	2.22100	0.02800	0.20290	0.00250	0.61035	1187.0	8.9	1191.0	14.0	1191.0	22.0	1191.0	22.0	0.0
TMB20_54	151.00	4.18	2.00100	0.06900	0.17770	0.00640	0.89260	1116.0	24.0	1052.0	35.0	1227.0	30.0	1227.0	30.0	14.3
TMB20_25	137.50	2.52	1.78300	0.04000	0.15880	0.00370	0.59492	1039.0	14.0	950.0	20.0	1230.0	38.0	1230.0	38.0	22.8
TMB20_100	237.00	1.37	2.86200	0.02900	0.23920	0.00250	0.58716	1372.3	7.5	1382.0	13.0	1355.0	18.0	1355.0	18.0	2.0
TMB20_9	282.00	1.57	2.35200	0.05500	0.19460	0.00600	0.69360	1229.0	17.0	1145.0	32.0	1381.0	46.0	1381.0	46.0	17.1
TMB20_84	270.80	1.91	3.15600	0.03600	0.24990	0.00310	0.63071	1446.9	8.6	1438.0	16.0	1451.0	20.0	1451.0	20.0	0.9
TMB20_68	261.60	1.68	2.33400	0.04000	0.18310	0.00340	0.76806	1222.0	12.0	1084.0	18.0	1470.0	22.0	1470.0	22.0	26.3
TMB20_61	64.00	0.55	4.40000	0.07300	0.31080	0.00450	0.66653	1712.0	14.0	1744.0	22.0	1668.0	25.0	1668.0	25.0	4.6
TMB20_86	95.80	0.93	4.68500	0.06100	0.31900	0.00450	0.60031	1763.0	11.0	1784.0	22.0	1744.0	23.0	1744.0	23.0	2.3
TMB20_69	88.30	0.77	4.57800	0.06100	0.29910	0.00490	0.53634	1746.0	11.0	1686.0	24.0	1806.0	29.0	1806.0	29.0	6.6
TMB20_79	108.20	0.67	5.14600	0.07400	0.32420	0.00450	0.26701	1844.0	12.0	1809.0	22.0	1867.0	31.0	1867.0	31.0	3.1
TMB20_55	151.90	1.40	4.81600	0.06400	0.30680	0.00560	0.60056	1787.0	11.0	1724.0	28.0	1871.0	27.0	1871.0	27.0	7.9
TMB20_73	94.70	0.98	5.76800	0.06300	0.35940	0.00440	0.52530	1940.8	9.4	1979.0	21.0	1889.0	21.0	1889.0	21.0	4.8
TMB20_26	157.60	1.45	6.26300	0.09300	0.36380	0.00590	0.68127	2013.0	13.0	1999.0	28.0	2037.0	21.0	2037.0	21.0	1.9
TMB20_110	182.20	1.81	6.97000	0.07300	0.39850	0.00450	0.66088	2109.2	9.3	2162.0	21.0	2057.0	16.0	2057.0	16.0	5.1
TMB20_81	74.90	1.49	6.61700	0.09800	0.37660	0.00690	0.55991	2060.0	13.0	2059.0	32.0	2073.0	28.0	2073.0	28.0	0.7
TMB20_87	123.90	2.76	6.42700	0.09100	0.36110	0.00630	0.59867	2036.0	13.0	1990.0	30.0	2074.0	25.0	2074.0	25.0	4.1
TMB20_82	268.00	4.86	5.09000	0.13000	0.28450	0.00940	0.74944	1835.0	21.0	1611.0	47.0	2112.0	41.0	2112.0	41.0	23.7
TMB20_80	169.00	1.36	5.73000	0.09800	0.31530	0.00590	0.80846	1934.0	15.0	1769.0	29.0	2127.0	18.0	2127.0	18.0	16.8
TMB20_66	14.66	1.28	5.89000	0.17000	0.32280	0.00690	0.41003	1963.0	23.0	1802.0	33.0	2135.0	43.0	2135.0	43.0	15.6
TMB20_27	41.20	2.22	7.57000	0.11000	0.41280	0.00590	0.54168	2183.0	14.0	2230.0	27.0	2138.0	26.0	2138.0	26.0	4.3
TMB20_4	61.80	1.71	7.30000	0.23000	0.39090	0.00550	0.43629	2149.0	28.0	2126.0	26.0	2170.0	49.0	2170.0	49.0	2.0
TMB20_91	199.90	1.64	12.17000	0.23000	0.50800	0.01000	0.67287	2617.0	18.0	2653.0	44.0	2598.0	26.0	2598.0	26.0	2.1
TMB20_43	0.35	1.95	146.00000	13.00000	1.33000	0.13000	0.69983	5074.0	79.0	5360.0	370.0	4970.0	140.0	4970.0	140.0	7.8
SUBANDEAN ZONE																
TPC03: Ichoa Fm., Jurassic-Cretaceous? (n=116), (21.43°S, 63.94°W)																
TPC03_45	259.50	1.17	0.30400	0.01000	0.04140	0.00110	0.26115	269.0	7.7	261.1	6.5	315.0	67.0	261.1	6.5	2.9
TPC03_1	232.00	0.72	0.46300	0.03100	0.04274	0.00093	0.51822	382.0	21.0	269.7	5.8	1090.0	130.0	269.7	5.8	29.4
TPC03_72	565.00	0.97	0.30930	0.00680	0.04306	0.00058	0.40498	273.3	5.2	271.8	3.6	262.0	47.0	271.8	3.6	0.5
TPC03_44	228.00	1.44	0.33300	0.00990	0.04650	0.00120	0.19704	291.3	7.5	293.1	7.3	289.0	76.0	293.1	7.3	0.6
TPC03_52	368.00	1.29	0.71300	0.01800	0.05520	0.00250	0.12927	547.0	11.0	346.0	15.0	1486.0	94.0	346.0	15.0	36.7
TPC03_64	393.00	2.00	0.45100	0.01000	0.05683	0.00098	0.30567	377.5	7.0	356.3	6.0	499.0	55.0	356.3	6.0	5.6
TPC03_60	259.00	1.20	0.43000	0.01100	0.05701	0.00095	0.14107	363.5	7.6	357.4	5.8	397.0	56.0	357.4	5.8	1.7
TPC03_49	328.00	2.75	0.58900	0.01600	0.07420	0.00180	0.46629	470.0	10.0	461.0	11.0	511.0	57.0	461.0	11.0	1.9
TPC03_67	619.00	3.48	0.84800	0.03500	0.07570	0.00400	0.81944	622.0	19.0	470.0	24.0	1223.0	53.0	470.0	24.0	24.4

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
TPC03_15	563.00	2.13	0.60610	0.00810	0.07700	0.00100	0.40371	481.5	5.2	478.3	6.2	488.0	32.0	478.3	6.2	0.7
TPC03_117	71.80	1.05	0.66400	0.02300	0.08300	0.00240	0.26972	515.0	14.0	516.0	14.0	545.0	88.0	516.0	14.0	0.2
TPC03_65	432.00	12.90	0.76700	0.02500	0.08500	0.00200	0.35988	576.0	14.0	526.0	12.0	793.0	70.0	526.0	12.0	8.7
TPC03_2	839.00	8.11	0.69760	0.00880	0.08563	0.00092	0.43999	537.1	5.3	529.6	5.5	519.0	26.0	529.6	5.5	1.4
TPC03_29	219.90	1.75	0.69500	0.01500	0.08670	0.00170	0.60450	535.2	9.0	536.0	10.0	546.0	40.0	536.0	10.0	0.1
TPC03_28	174.00	3.77	0.69300	0.01600	0.08680	0.00150	0.46649	533.4	9.9	536.5	8.8	550.0	46.0	536.5	8.8	0.6
TPC03_78	1420.00	4.27	1.96000	0.13000	0.08720	0.00510	0.87383	1100.0	44.0	539.0	30.0	2490.0	69.0	539.0	30.0	51.0
TPC03_19	282.00	1.84	0.74500	0.01600	0.08870	0.00170	0.46592	565.3	9.1	548.0	10.0	614.0	46.0	548.0	10.0	3.1
TPC03_4	731.00	24.10	0.78100	0.02300	0.08920	0.00210	0.80986	586.0	13.0	550.0	12.0	677.0	35.0	550.0	12.0	6.1
TPC03_13	29.80	1.51	0.85900	0.04800	0.08990	0.00270	0.04171	623.0	27.0	554.0	16.0	870.0	130.0	554.0	16.0	11.1
TPC03_101	196.00	173.00	0.79700	0.04400	0.08980	0.00500	0.08248	594.0	25.0	554.0	30.0	770.0	160.0	554.0	30.0	6.7
TPC03_41	60.50	0.93	0.79200	0.03000	0.09010	0.00240	0.32009	592.0	17.0	556.0	14.0	774.0	81.0	556.0	14.0	6.1
TPC03_39	138.70	1.82	0.74500	0.02000	0.09040	0.00140	0.21418	564.0	12.0	558.9	8.2	580.0	64.0	558.9	8.2	0.9
TPC03_36	164.00	1.34	0.71900	0.01700	0.09070	0.00140	0.13837	549.0	10.0	559.7	8.3	534.0	58.0	559.7	8.3	1.9
TPC03_37	151.90	2.90	0.75000	0.02000	0.09110	0.00140	0.39942	567.0	12.0	561.9	8.0	577.0	49.0	561.9	8.0	0.9
TPC03_86	122.70	0.90	0.75000	0.01900	0.09160	0.00160	0.41799	569.0	11.0	564.7	9.5	591.0	52.0	564.7	9.5	0.8
TPC03_70	46.60	2.01	0.73700	0.02500	0.09160	0.00230	0.19858	562.0	14.0	565.0	14.0	525.0	85.0	565.0	14.0	0.5
TPC03_69	553.00	4.89	0.74900	0.01700	0.09180	0.00200	0.63569	566.9	9.9	566.0	12.0	584.0	39.0	566.0	12.0	0.2
TPC03_98	129.50	2.80	0.77100	0.02000	0.09200	0.00140	0.23278	581.0	12.0	567.5	8.0	607.0	56.0	567.5	8.0	2.3
TPC03_40	210.90	1.25	0.73600	0.01500	0.09290	0.00140	0.30754	559.2	9.0	572.3	8.2	499.0	50.0	572.3	8.2	2.3
TPC03_20	530.00	27.30	0.78500	0.01900	0.09350	0.00240	0.54622	588.0	11.0	576.0	14.0	635.0	51.0	576.0	14.0	2.0
TPC03_42	148.00	1.26	0.74700	0.02500	0.09370	0.00220	0.29420	565.0	14.0	577.0	13.0	484.0	81.0	577.0	13.0	2.1
TPC03_109	455.00	2.84	0.86900	0.01700	0.09400	0.00250	0.49658	634.4	9.1	581.0	15.0	825.0	51.0	581.0	15.0	8.4
TPC03_34	38.40	3.13	0.79400	0.04100	0.09540	0.00390	0.41334	594.0	22.0	587.0	23.0	660.0	110.0	587.0	23.0	1.2
TPC03_93	58.40	0.39	0.83900	0.02700	0.09560	0.00210	0.15431	621.0	14.0	588.0	12.0	716.0	79.0	588.0	12.0	5.3
TPC03_110	330.00	8.31	0.78700	0.01400	0.09580	0.00110	0.47055	589.1	8.0	589.9	6.6	598.0	38.0	589.9	6.6	0.1
TPC03_26	171.00	5.17	0.82200	0.02000	0.09580	0.00190	0.52090	608.0	11.0	590.0	11.0	680.0	50.0	590.0	11.0	3.0
TPC03_12	359.00	1.23	0.84800	0.02100	0.09650	0.00240	0.70418	624.0	12.0	593.0	14.0	705.0	40.0	593.0	14.0	5.0
TPC03_57	60.00	1.85	0.83500	0.02600	0.09630	0.00210	0.05321	618.0	15.0	593.0	12.0	718.0	83.0	593.0	12.0	4.0
TPC03_112	278.50	6.53	0.84300	0.01600	0.09660	0.00240	0.49271	619.9	8.9	594.0	14.0	718.0	44.0	594.0	14.0	4.2
TPC03_91	153.40	0.92	0.78200	0.01900	0.09680	0.00200	0.50517	588.0	10.0	596.0	12.0	570.0	50.0	596.0	12.0	1.4
TPC03_89	639.00	18.90	0.81400	0.01300	0.09740	0.00150	0.57427	603.9	7.5	598.8	8.6	611.0	32.0	598.8	8.6	0.8
TPC03_121	76.60	1.56	0.79100	0.02400	0.09750	0.00170	0.35017	592.0	14.0	600.9	9.9	552.0	62.0	600.9	9.9	1.5
TPC03_83	93.60	1.32	0.81800	0.02600	0.09780	0.00290	0.46817	607.0	15.0	601.0	17.0	628.0	72.0	601.0	17.0	1.0
TPC03_11	409.00	2.27	0.81500	0.02000	0.09850	0.00250	0.62460	604.0	11.0	605.0	15.0	558.0	48.0	605.0	15.0	0.2
TPC03_38	183.70	1.22	0.82900	0.01400	0.10120	0.00130	0.27567	612.4	8.0	621.3	7.4	598.0	41.0	621.3	7.4	1.5
TPC03_16	338.00	17.90	0.88400	0.01500	0.10160	0.00140	0.41678	642.7	7.9	623.9	8.4	700.0	37.0	623.9	8.4	2.9
TPC03_17	273.00	3.72	0.90100	0.02000	0.10180	0.00170	0.47713	654.0	11.0	626.0	10.0	757.0	45.0	626.0	10.0	4.3
TPC03_105	360.00	17.80	0.91200	0.04700	0.10220	0.00330	0.87818	653.0	25.0	627.0	19.0	794.0	55.0	627.0	19.0	4.0
TPC03_24	118.00	0.94	0.84900	0.01700	0.10230	0.00190	0.10505	624.6	9.4	628.0	11.0	622.0	55.0	628.0	11.0	0.5
TPC03_50	98.00	5.05	0.98000	0.05400	0.10450	0.00860	0.76353	692.0	28.0	640.0	50.0	900.0	120.0	640.0	50.0	7.5
TPC03_58	38.40	1.79	0.85100	0.03900	0.10490	0.00300	0.04085	622.0	22.0	643.0	18.0	500.0	110.0	643.0	18.0	3.4

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
TPC03_94	155.00	2.90	0.90300	0.01600	0.10490	0.00170	0.41354	652.5	8.4	643.1	9.8	681.0	40.0	643.1	9.8	1.4
TPC03_116	333.00	3.24	0.90000	0.02100	0.10530	0.00180	0.70418	654.0	11.0	645.0	11.0	662.0	36.0	645.0	11.0	1.4
TPC03_107	181.00	0.99	0.90300	0.02200	0.10580	0.00190	0.53264	655.0	12.0	648.0	11.0	686.0	45.0	648.0	11.0	1.1
TPC03_80	164.10	1.63	0.90100	0.02300	0.10680	0.00250	0.54317	652.0	13.0	654.0	15.0	647.0	51.0	654.0	15.0	0.3
TPC03_56	336.00	0.62	0.91300	0.01700	0.10930	0.00140	0.44713	658.7	9.3	668.4	8.4	606.0	40.0	668.4	8.4	1.5
TPC03_84	147.60	0.84	0.96200	0.02100	0.11070	0.00210	0.41940	685.0	11.0	676.0	12.0	693.0	48.0	676.0	12.0	1.3
TPC03_71	579.00	3.82	1.26700	0.03800	0.11160	0.00430	0.86729	830.0	17.0	681.0	25.0	1240.0	38.0	681.0	25.0	18.0
TPC03_96	445.00	10.87	1.11600	0.04100	0.11380	0.00430	0.72388	765.0	19.0	694.0	25.0	962.0	53.0	694.0	25.0	9.3
TPC03_123	146.40	1.18	0.96600	0.02000	0.11380	0.00210	0.33380	686.0	10.0	695.0	12.0	656.0	55.0	695.0	12.0	1.3
TPC03_68	368.00	3.73	1.13600	0.04200	0.11500	0.00610	0.53854	770.0	20.0	710.0	38.0	948.0	89.0	710.0	38.0	7.8
TPC03_74	693.00	48.80	0.98300	0.04500	0.11700	0.00400	0.84966	694.0	23.0	713.0	23.0	692.0	46.0	713.0	23.0	2.7
TPC03_59	46.10	0.96	1.11100	0.03600	0.12050	0.00330	0.16572	756.0	17.0	733.0	19.0	799.0	93.0	733.0	19.0	3.0
TPC03_87	204.00	14.40	1.05800	0.02100	0.12250	0.00180	0.40428	732.0	10.0	745.0	10.0	695.0	41.0	745.0	10.0	1.8
TPC03_21	226.00	2.49	1.39200	0.02900	0.13950	0.00270	0.37547	885.0	12.0	842.0	15.0	997.0	54.0	842.0	15.0	4.9
TPC03_32	95.00	1.32	1.50000	0.04700	0.14870	0.00290	0.35663	928.0	19.0	893.0	16.0	1035.0	61.0	893.0	16.0	3.8
TPC03_88	230.00	3.33	1.59800	0.04800	0.14890	0.00540	0.78755	967.0	18.0	894.0	30.0	1123.0	46.0	894.0	30.0	7.5
TPC03_108	128.10	1.19	1.46000	0.02700	0.14910	0.00240	0.33696	913.0	11.0	896.0	14.0	970.0	38.0	896.0	14.0	1.9
TPC03_118	151.00	0.79	1.53800	0.03600	0.15780	0.00330	0.66679	945.0	14.0	947.0	18.0	948.0	34.0	947.0	18.0	0.2
TPC03_75	266.80	30.80	1.61300	0.03000	0.16700	0.00340	0.48975	977.0	11.0	995.0	19.0	949.0	37.0	949.0	19.0	1.8
TPC03_9	198.00	2.86	2.00300	0.03300	0.19430	0.00380	0.56512	1116.0	11.0	1147.0	21.0	1023.0	34.0	1023.0	34.0	12.1
TPC03_6	26.90	2.15	1.73000	0.07000	0.17030	0.00410	0.12332	1026.0	26.0	1013.0	22.0	1026.0	92.0	1026.0	92.0	1.3
TPC03_102	223.00	2.06	1.75000	0.02800	0.17330	0.00340	0.45148	1027.0	10.0	1030.0	18.0	1028.0	37.0	1028.0	37.0	0.2
TPC03_103	434.00	3.52	1.91400	0.02200	0.18710	0.00220	0.61061	1085.3	7.8	1106.0	12.0	1048.0	20.0	1048.0	20.0	5.5
TPC03_55	115.00	1.74	1.95600	0.04000	0.19180	0.00350	0.56133	1101.0	14.0	1131.0	19.0	1050.0	34.0	1050.0	34.0	7.7
TPC03_95	253.00	1.73	1.88900	0.05300	0.17980	0.00320	0.37557	1070.0	15.0	1065.0	18.0	1064.0	48.0	1064.0	48.0	0.1
TPC03_63	435.00	2.89	1.87800	0.02600	0.18010	0.00220	0.69503	1072.5	9.2	1067.0	12.0	1077.0	21.0	1077.0	21.0	0.9
TPC03_114	105.90	2.35	1.86700	0.04000	0.17920	0.00340	0.16119	1070.0	14.0	1062.0	19.0	1081.0	50.0	1081.0	50.0	1.8
TPC03_61	53.90	2.04	2.00700	0.05200	0.19090	0.00440	0.53554	1118.0	17.0	1129.0	23.0	1090.0	46.0	1090.0	46.0	3.6
TPC03_62	77.50	2.85	1.70300	0.04600	0.16370	0.00370	0.43122	1007.0	17.0	979.0	20.0	1096.0	57.0	1096.0	57.0	10.7
TPC03_27	400.00	10.08	1.95300	0.02200	0.18770	0.00200	0.49752	1099.9	7.4	1109.0	11.0	1108.0	22.0	1108.0	22.0	0.1
TPC03_30	303.00	2.19	1.95300	0.03400	0.18590	0.00350	0.67698	1100.0	11.0	1099.0	19.0	1125.0	29.0	1125.0	29.0	2.3
TPC03_111	73.10	2.91	2.11700	0.05800	0.19720	0.00330	0.50480	1151.0	19.0	1160.0	18.0	1126.0	47.0	1126.0	47.0	3.0
TPC03_90	281.00	1.37	2.21000	0.04200	0.20610	0.00430	0.73299	1184.0	14.0	1207.0	23.0	1132.0	29.0	1132.0	29.0	6.6
TPC03_25	155.00	3.52	2.18000	0.04100	0.20230	0.00290	0.30302	1173.0	13.0	1187.0	15.0	1153.0	33.0	1153.0	33.0	2.9
TPC03_81	88.00	3.18	2.34600	0.08500	0.20810	0.00620	0.46780	1221.0	25.0	1217.0	33.0	1187.0	62.0	1187.0	62.0	2.5
TPC03_18	211.30	2.40	2.11400	0.04300	0.18930	0.00310	0.47480	1151.0	14.0	1117.0	17.0	1189.0	36.0	1189.0	36.0	6.1
TPC03_51	64.90	1.27	2.02800	0.06200	0.18170	0.00670	0.60505	1130.0	21.0	1075.0	36.0	1206.0	65.0	1206.0	65.0	10.9
TPC03_53	185.00	4.03	2.33900	0.06300	0.20520	0.00490	0.72935	1226.0	20.0	1206.0	25.0	1257.0	36.0	1257.0	36.0	4.1
TPC03_46	113.40	1.31	2.50800	0.05600	0.21580	0.00370	0.30333	1272.0	16.0	1259.0	19.0	1284.0	47.0	1284.0	47.0	1.9
TPC03_22	256.50	3.53	2.16200	0.05100	0.18520	0.00440	0.72462	1169.0	16.0	1095.0	24.0	1321.0	35.0	1321.0	35.0	17.1
TPC03_23	351.00	66.00	2.71300	0.03600	0.22850	0.00330	0.34311	1331.0	9.8	1326.0	17.0	1328.0	31.0	1328.0	31.0	0.2
TPC03_8	176.00	2.90	2.76700	0.06200	0.22030	0.00490	0.63891	1348.0	17.0	1283.0	26.0	1399.0	35.0	1399.0	35.0	8.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
TPC03_10	156.00	2.58	3.05600	0.05100	0.24420	0.00410	0.49969	1422.0	13.0	1408.0	21.0	1413.0	32.0	1413.0	32.0	0.4
TPC03_5	45.20	7.13	3.21700	0.09000	0.25610	0.00710	0.48257	1461.0	21.0	1468.0	37.0	1447.0	53.0	1447.0	53.0	1.5
TPC03_85	87.10	1.15	3.64200	0.06400	0.27920	0.00550	0.61815	1559.0	14.0	1586.0	27.0	1498.0	32.0	1498.0	32.0	5.9
TPC03_99	171.00	3.05	2.98800	0.07500	0.23140	0.00620	0.66228	1402.0	19.0	1341.0	32.0	1534.0	41.0	1534.0	41.0	12.6
TPC03_97	353.00	3.26	3.89800	0.05400	0.29380	0.00440	0.72132	1612.0	11.0	1660.0	22.0	1546.0	21.0	1546.0	21.0	7.4
TPC03_66	205.00	1.35	3.15000	0.14000	0.21700	0.01000	0.90918	1443.0	34.0	1263.0	53.0	1682.0	33.0	1682.0	33.0	24.9
TPC03_122	154.80	0.64	4.27900	0.06800	0.29290	0.00530	0.65025	1690.0	13.0	1659.0	26.0	1718.0	28.0	1718.0	28.0	3.4
TPC03_115	115.00	3.51	4.70300	0.07100	0.32340	0.00470	0.54902	1766.0	13.0	1806.0	23.0	1754.0	24.0	1754.0	24.0	3.0
TPC03_33	144.90	0.69	4.74700	0.06100	0.32050	0.00590	0.43590	1778.0	11.0	1791.0	29.0	1767.0	35.0	1767.0	35.0	1.4
TPC03_77	142.00	1.50	4.36600	0.06800	0.29420	0.00570	0.57515	1709.0	14.0	1661.0	29.0	1788.0	30.0	1788.0	30.0	7.1
TPC03_100	269.60	4.83	4.58000	0.20000	0.29790	0.00920	0.86427	1736.0	36.0	1679.0	46.0	1803.0	38.0	1803.0	38.0	6.9
TPC03_48	97.60	2.12	5.16000	0.15000	0.33000	0.01000	0.73957	1840.0	25.0	1837.0	49.0	1861.0	40.0	1861.0	40.0	1.3
TPC03_119	154.00	1.23	6.12000	0.11000	0.36610	0.00720	0.77811	1994.0	16.0	2009.0	34.0	1980.0	23.0	1980.0	23.0	1.5
TPC03_7	83.60	0.88	5.36000	0.13000	0.30900	0.01000	0.70453	1875.0	21.0	1733.0	50.0	1994.0	41.0	1994.0	41.0	13.1
TPC03_35	166.10	4.16	6.00500	0.08600	0.35450	0.00540	0.65446	1975.0	13.0	1955.0	26.0	2002.0	21.0	2002.0	21.0	2.3
TPC03_76	345.00	1.08	6.11000	0.11000	0.36170	0.00750	0.75400	1992.0	15.0	1988.0	36.0	2007.0	23.0	2007.0	23.0	0.9
TPC03_120	153.00	1.16	6.09000	0.12000	0.35360	0.00850	0.76861	1991.0	18.0	1950.0	41.0	2038.0	27.0	2038.0	27.0	4.3
TPC03_113	311.00	4.00	4.61000	0.17000	0.26400	0.01100	0.85344	1747.0	31.0	1508.0	54.0	2060.0	28.0	2060.0	28.0	26.8
TPC03_106	95.70	3.11	7.54000	0.16000	0.41500	0.00970	0.68891	2177.0	19.0	2240.0	45.0	2139.0	31.0	2139.0	31.0	4.7
TPC03_47	87.10	1.78	9.59000	0.13000	0.44480	0.00660	0.63109	2395.0	12.0	2371.0	29.0	2407.0	21.0	2407.0	21.0	1.5
TPC03_82	239.00	12.33	10.67000	0.17000	0.44000	0.01200	0.55477	2494.0	15.0	2350.0	52.0	2632.0	41.0	2632.0	41.0	10.7
TPC03_31	81.00	5.24	12.20000	0.30000	0.46700	0.01100	0.80025	2619.0	22.0	2466.0	49.0	2761.0	24.0	2761.0	24.0	10.7
TPC03_54	68.00	1.49	22.56000	0.45000	0.64100	0.01400	0.60558	3208.0	20.0	3196.0	56.0	3227.0	28.0	3227.0	28.0	1.0
EASTERN CORDILLERA																
UY01DZ: El Molino Fm., Cretaceous (n=111), (19.46°S, 64.84°W)																
UY01DZ_9	313.00	1.27	0.10690	0.00540	0.01453	0.00060	0.79666	103.0	5.0	93.0	3.8	325.0	59.0	93.0	3.8	9.7
UY01DZ_30	778.00	2.79	0.16970	0.00260	0.02507	0.00025	0.25929	159.1	2.2	159.6	1.6	160.0	35.0	159.6	1.6	0.3
UY01DZ_53	338.00	0.35	0.23060	0.00380	0.03320	0.00039	0.26994	210.6	3.1	210.5	2.4	261.0	39.0	210.5	2.4	0.0
UY01DZ_77	113.10	0.98	0.27510	0.00670	0.03975	0.00082	0.32886	246.5	5.4	251.2	5.1	231.0	57.0	251.2	5.1	1.9
UY01DZ_105	46.40	0.39	0.34200	0.01900	0.04066	0.00072	0.11317	298.0	15.0	256.9	4.5	640.0	120.0	256.9	4.5	13.8
UY01DZ_44	118.90	1.37	0.40150	0.00850	0.05369	0.00081	0.20186	343.1	6.3	337.1	4.9	351.0	51.0	337.1	4.9	1.7
UY01DZ_80	79.30	6.49	0.47500	0.01500	0.05850	0.00120	0.10405	394.0	11.0	366.5	7.5	524.0	81.0	366.5	7.5	7.0
UY01DZ_85	352.00	2.21	0.46490	0.00590	0.05998	0.00057	0.33055	387.6	4.1	375.5	3.4	440.0	33.0	375.5	3.4	3.1
UY01DZ_6	806.00	10.74	0.62300	0.01600	0.06380	0.00120	0.00626	493.0	11.0	398.5	7.2	1015.0	65.0	398.5	7.2	19.2
UY01DZ_38	171.00	1.90	0.51900	0.01900	0.06790	0.00160	0.17463	424.0	12.0	423.5	9.9	386.0	81.0	423.5	9.9	0.1
UY01DZ_71	236.00	2.78	0.58500	0.01200	0.07390	0.00160	0.71034	467.1	7.9	459.4	9.9	506.0	32.0	459.4	9.9	1.6
UY01DZ_76	25.52	0.60	0.61700	0.02600	0.07580	0.00160	0.02585	489.0	16.0	470.7	9.9	548.0	99.0	470.7	9.9	3.7
UY01DZ_36	279.00	6.79	0.62400	0.01700	0.07850	0.00160	0.68514	491.0	11.0	487.2	9.7	503.0	48.0	487.2	9.7	0.8
UY01DZ_92	694.00	74.00	0.66590	0.00750	0.07882	0.00089	0.59823	518.6	4.5	489.0	5.3	656.0	24.0	489.0	5.3	5.7
UY01DZ_81	441.00	1.80	0.63570	0.00730	0.08010	0.00110	0.49831	500.1	4.4	496.9	6.5	507.0	26.0	496.9	6.5	0.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
UY01DZ_72	51.30	0.78	0.68700	0.01600	0.08030	0.00150	0.04522	529.9	9.5	498.0	8.9	696.0	55.0	498.0	8.9	6.0
UY01DZ_111	711.00	10.34	0.87400	0.01500	0.08290	0.00110	0.66286	637.8	7.9	513.4	6.8	1109.0	32.0	513.4	6.8	19.5
UY01DZ_79	472.00	1.93	0.66200	0.01000	0.08310	0.00130	0.71633	516.6	6.2	514.7	7.6	509.0	23.0	514.7	7.6	0.4
UY01DZ_55	79.80	0.85	0.65700	0.01100	0.08400	0.00100	0.41524	513.5	7.1	519.7	5.9	494.0	36.0	519.7	5.9	1.2
UY01DZ_78	461.00	0.48	0.68990	0.00620	0.08426	0.00075	0.56751	532.6	3.7	521.5	4.4	565.0	17.0	521.5	4.4	2.1
UY01DZ_29	152.70	1.10	0.68400	0.01000	0.08450	0.00110	0.35635	528.9	6.0	522.8	6.6	541.0	35.0	522.8	6.6	1.2
UY01DZ_95	399.00	1.17	0.74370	0.00770	0.08480	0.00110	0.54981	564.4	4.5	524.8	6.5	750.0	23.0	524.8	6.5	7.0
UY01DZ_22	262.00	1.31	0.68710	0.00970	0.08523	0.00097	0.45013	530.8	5.8	527.2	5.8	541.0	31.0	527.2	5.8	0.7
UY01DZ_46	261.00	2.78	0.69400	0.01600	0.08580	0.00200	0.60747	534.7	9.4	530.0	12.0	536.0	48.0	530.0	12.0	0.9
UY01DZ_40	187.00	0.87	0.72100	0.01000	0.08615	0.00092	0.09814	550.9	5.9	532.7	5.5	596.0	35.0	532.7	5.5	3.3
UY01DZ_35	90.70	0.71	0.78400	0.01600	0.08800	0.00110	0.25572	587.1	9.3	543.5	6.3	757.0	43.0	543.5	6.3	7.4
UY01DZ_8	80.20	1.81	0.70800	0.01300	0.08920	0.00140	0.21457	543.2	7.8	550.7	8.6	539.0	50.0	550.7	8.6	1.4
UY01DZ_88	289.80	1.07	0.73280	0.00790	0.08950	0.00081	0.48418	558.0	4.6	552.5	4.8	572.0	23.0	552.5	4.8	1.0
UY01DZ_70	407.40	1.97	1.29100	0.02200	0.08960	0.00160	0.38958	841.4	9.8	553.4	9.2	1696.0	27.0	553.4	9.2	34.2
UY01DZ_14	58.95	0.79	0.73600	0.01400	0.08980	0.00110	0.18634	561.7	8.1	554.4	6.6	597.0	45.0	554.4	6.6	1.3
UY01DZ_68	211.00	2.44	0.74900	0.01100	0.08990	0.00140	0.47824	567.3	6.5	554.8	8.3	588.0	36.0	554.8	8.3	2.2
UY01DZ_73	159.10	1.42	0.77500	0.01500	0.09000	0.00120	0.04867	582.1	8.9	555.5	6.8	688.0	46.0	555.5	6.8	4.6
UY01DZ_19	1170.00	6.61	0.90700	0.01100	0.09070	0.00120	0.18982	655.2	5.9	559.6	7.0	994.0	41.0	559.6	7.0	14.6
UY01DZ_84	112.00	0.84	0.75800	0.01100	0.09110	0.00120	0.19396	572.7	6.6	562.2	7.1	632.0	38.0	562.2	7.1	1.8
UY01DZ_49	161.70	1.51	0.74700	0.01100	0.09150	0.00130	0.57883	567.1	6.2	564.2	7.5	589.0	28.0	564.2	7.5	0.5
UY01DZ_112	357.00	4.85	0.74000	0.01200	0.09160	0.00130	0.32453	562.1	6.8	565.1	7.6	577.0	36.0	565.1	7.6	0.5
UY01DZ_69	108.60	0.80	0.75100	0.01200	0.09230	0.00110	0.32692	568.3	6.8	569.2	6.8	529.0	31.0	569.2	6.8	0.2
UY01DZ_21	99.80	1.01	0.76700	0.01500	0.09270	0.00170	0.55987	577.4	8.8	571.0	10.0	611.0	41.0	571.0	10.0	1.1
UY01DZ_57	100.60	0.93	0.81500	0.01900	0.09510	0.00300	0.58508	605.0	10.0	586.0	18.0	686.0	52.0	586.0	18.0	3.1
UY01DZ_23	204.70	0.47	0.79100	0.01000	0.09611	0.00098	0.20513	591.5	5.7	591.5	5.8	594.0	31.0	591.5	5.8	0.0
UY01DZ_56	194.00	3.49	0.83400	0.01100	0.09790	0.00110	0.51177	615.7	5.9	602.0	6.6	641.0	27.0	602.0	6.6	2.2
UY01DZ_31	198.20	1.17	0.80330	0.00920	0.09840	0.00120	0.52257	598.4	5.2	605.2	7.1	569.0	26.0	605.2	7.1	1.1
UY01DZ_2	143.40	0.47	0.84200	0.01400	0.09940	0.00130	0.41036	620.0	7.8	611.0	7.5	678.0	37.0	611.0	7.5	1.5
UY01DZ_113	153.00	0.37	0.83000	0.01100	0.09980	0.00100	0.42814	613.5	6.1	612.9	6.0	626.0	29.0	612.9	6.0	0.1
UY01DZ_50	309.00	1.51	0.84600	0.01100	0.10050	0.00120	0.62525	621.9	5.8	617.3	7.1	633.0	22.0	617.3	7.1	0.7
UY01DZ_59	157.00	0.55	0.87900	0.01100	0.10090	0.00120	0.05253	640.0	5.8	619.4	6.8	701.0	32.0	619.4	6.8	3.2
UY01DZ_4	363.00	2.02	0.94400	0.01700	0.10130	0.00120	0.39808	674.8	8.8	622.0	7.1	871.0	36.0	622.0	7.1	7.8
UY01DZ_86	378.00	2.48	0.86100	0.01300	0.10140	0.00150	0.49556	630.4	7.1	622.6	8.9	635.0	30.0	622.6	8.9	1.2
UY01DZ_51	159.70	2.61	0.83900	0.01000	0.10160	0.00120	0.28972	618.6	5.8	623.8	7.0	617.0	37.0	623.8	7.0	0.8
UY01DZ_20	625.00	5.36	0.85900	0.01200	0.10190	0.00130	0.45440	629.5	6.7	625.4	7.7	652.0	33.0	625.4	7.7	0.7
UY01DZ_42	100.00	1.33	0.86000	0.01700	0.10200	0.00170	0.27506	629.4	9.3	625.9	9.8	613.0	51.0	625.9	9.8	0.6
UY01DZ_107	127.00	1.69	0.87900	0.01500	0.10500	0.00130	0.55962	639.6	8.2	643.7	7.5	637.0	31.0	643.7	7.5	0.6
UY01DZ_12	428.00	2.71	0.89000	0.01100	0.10510	0.00100	0.60083	647.8	5.7	644.0	5.9	652.0	22.0	644.0	5.9	0.6
UY01DZ_16	87.70	1.17	0.94600	0.02900	0.10520	0.00200	0.14387	678.0	14.0	645.0	12.0	767.0	71.0	645.0	12.0	4.9
UY01DZ_65	66.30	1.43	0.96500	0.01800	0.10850	0.00150	0.20411	686.4	9.4	663.9	8.7	732.0	41.0	663.9	8.7	3.3
UY01DZ_32	213.00	2.10	0.98700	0.01300	0.11300	0.00110	0.50380	698.7	6.5	690.3	6.6	709.0	24.0	690.3	6.6	1.2
UY01DZ_83	102.80	1.64	1.14500	0.02100	0.11360	0.00150	0.18092	778.0	10.0	693.4	8.9	1021.0	42.0	693.4	8.9	10.9

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
UY01DZ_101	431.00	1.38	1.04200	0.01500	0.11780	0.00150	0.52190	724.6	7.3	718.1	8.7	749.0	24.0	718.1	8.7	0.9
UY01DZ_103	208.00	1.11	1.13300	0.01300	0.12330	0.00170	0.63162	768.8	6.4	749.4	9.9	846.0	28.0	749.4	9.9	2.5
UY01DZ_27	394.00	2.43	1.14100	0.01400	0.12550	0.00160	0.31940	773.7	6.4	762.2	9.2	811.0	28.0	762.2	9.2	1.5
UY01DZ_98	218.00	3.62	1.18900	0.01200	0.13042	0.00092	0.36193	795.1	5.4	790.2	5.2	804.0	21.0	790.2	5.2	0.6
UY01DZ_52	690.00	11.47	1.42700	0.02500	0.13610	0.00290	0.65634	901.0	11.0	822.0	17.0	1122.0	31.0	822.0	17.0	8.8
UY01DZ_102	186.00	0.81	1.24200	0.01900	0.13630	0.00170	0.62018	819.0	8.6	823.4	9.8	811.0	26.0	823.4	9.8	0.5
UY01DZ_58	60.10	0.95	1.31200	0.02200	0.13710	0.00230	0.42449	850.3	9.7	828.0	13.0	887.0	36.0	828.0	13.0	2.6
UY01DZ_75	151.00	1.36	1.34100	0.01900	0.14080	0.00150	0.67314	864.2	8.5	849.3	8.7	878.0	21.0	849.3	8.7	1.7
UY01DZ_15	75.50	1.50	1.40200	0.03400	0.14100	0.00290	0.77607	888.0	14.0	850.0	16.0	961.0	33.0	850.0	16.0	4.3
UY01DZ_104	436.00	0.69	1.75400	0.01700	0.14180	0.00120	0.62357	1028.4	6.1	854.7	6.8	1447.0	16.0	854.7	6.8	16.9
UY01DZ_25	160.40	1.48	1.39700	0.01500	0.14600	0.00140	0.51728	887.4	6.4	878.6	8.1	935.0	22.0	878.6	8.1	1.0
UY01DZ_11	65.36	0.77	1.42800	0.01800	0.14980	0.00140	0.27998	900.2	7.4	899.9	7.9	916.0	30.0	899.9	7.9	0.0
UY01DZ_96	179.70	3.78	1.56600	0.01600	0.15640	0.00150	0.51497	956.6	6.3	936.4	8.2	996.0	20.0	936.4	8.2	2.1
UY01DZ_28	87.60	59.80	1.59300	0.02800	0.16160	0.00200	0.16180	967.0	11.0	965.0	11.0	956.0	38.0	956.0	38.0	0.9
UY01DZ_87	101.30	2.27	1.71200	0.02400	0.16820	0.00210	0.62160	1012.4	9.2	1004.0	12.0	1013.0	30.0	1013.0	30.0	0.9
UY01DZ_63	408.90	2.22	1.73500	0.01600	0.17070	0.00150	0.68317	1021.2	6.1	1016.1	8.5	1028.0	14.0	1028.0	14.0	1.2
UY01DZ_90	163.40	5.84	1.74800	0.01500	0.17240	0.00140	0.34702	1026.3	5.5	1025.5	7.7	1029.0	20.0	1029.0	20.0	0.3
UY01DZ_26	178.00	1.08	1.78300	0.02300	0.17590	0.00210	0.60139	1038.7	8.3	1045.0	12.0	1032.0	23.0	1032.0	23.0	1.3
UY01DZ_41	93.20	1.00	1.81100	0.02100	0.17500	0.00190	0.22487	1049.0	7.6	1039.0	10.0	1050.0	27.0	1050.0	27.0	1.0
UY01DZ_1	79.90	1.66	1.74400	0.02000	0.17090	0.00190	0.44927	1025.2	7.4	1017.0	11.0	1054.0	24.0	1054.0	24.0	3.5
UY01DZ_37	197.00	2.83	1.71200	0.02100	0.16190	0.00160	0.49409	1013.8	8.0	967.4	8.8	1092.0	25.0	1092.0	25.0	11.4
UY01DZ_91	232.30	0.82	1.74600	0.01800	0.16740	0.00140	0.45344	1025.4	6.6	997.5	7.7	1095.0	20.0	1095.0	20.0	8.9
UY01DZ_67	155.00	1.29	1.89000	0.02800	0.17720	0.00240	0.37569	1077.1	9.9	1051.0	13.0	1108.0	31.0	1108.0	31.0	5.1
UY01DZ_45	231.20	1.30	1.91000	0.02000	0.17820	0.00200	0.41697	1084.2	7.0	1057.0	11.0	1118.0	22.0	1118.0	22.0	5.5
UY01DZ_13	123.90	0.53	2.03000	0.02100	0.19130	0.00180	0.45323	1125.4	7.1	1128.6	9.8	1128.0	21.0	1128.0	21.0	0.1
UY01DZ_66	179.20	1.95	1.87000	0.02300	0.17290	0.00180	0.61466	1070.1	8.0	1028.0	10.0	1142.0	22.0	1142.0	22.0	10.0
UY01DZ_97	166.60	1.53	2.16200	0.01900	0.19570	0.00170	0.26438	1168.6	6.0	1152.3	9.0	1196.0	21.0	1196.0	21.0	3.7
UY01DZ_54	69.40	1.59	2.26200	0.03200	0.20420	0.00280	0.59629	1200.0	10.0	1198.0	15.0	1200.0	23.0	1200.0	23.0	0.2
UY01DZ_43	86.10	1.62	2.12200	0.03100	0.19100	0.00270	0.49249	1156.4	9.9	1126.0	15.0	1206.0	27.0	1206.0	27.0	6.6
UY01DZ_48	142.60	1.07	2.38300	0.02100	0.20940	0.00200	0.47434	1237.3	6.4	1225.0	11.0	1261.0	19.0	1261.0	19.0	2.9
UY01DZ_17	97.30	0.74	2.76900	0.03200	0.23240	0.00190	0.61955	1346.8	8.6	1346.8	9.8	1346.0	18.0	1346.0	18.0	0.1
UY01DZ_10	210.20	0.32	2.85100	0.04700	0.23880	0.00350	0.67327	1368.0	12.0	1380.0	18.0	1352.0	24.0	1352.0	24.0	2.1
UY01DZ_89	353.00	2.97	2.59300	0.03700	0.21110	0.00440	0.74162	1298.0	10.0	1234.0	24.0	1391.0	25.0	1391.0	25.0	11.3
UY01DZ_34	149.00	1.50	2.73200	0.03900	0.22500	0.00300	0.61305	1336.0	11.0	1308.0	16.0	1392.0	20.0	1392.0	20.0	6.0
UY01DZ_33	259.00	2.30	2.82300	0.02800	0.22880	0.00220	0.38226	1361.2	7.5	1328.0	12.0	1407.0	20.0	1407.0	20.0	5.6
UY01DZ_100	259.10	2.30	2.68500	0.04200	0.20440	0.00320	0.70128	1324.0	12.0	1199.0	17.0	1512.0	20.0	1512.0	20.0	20.7
UY01DZ_108	139.40	1.96	3.94000	0.20000	0.27000	0.01300	0.96747	1613.0	42.0	1538.0	65.0	1740.0	23.0	1740.0	23.0	11.6
UY01DZ_106	158.10	0.93	4.39300	0.06700	0.30070	0.00550	0.88793	1710.0	13.0	1694.0	27.0	1752.0	13.0	1752.0	13.0	3.3
UY01DZ_47	110.20	0.57	4.61400	0.03800	0.30970	0.00280	0.41985	1751.4	6.8	1739.0	14.0	1770.0	18.0	1770.0	18.0	1.8
UY01DZ_61	75.30	0.56	4.45900	0.04600	0.29750	0.00390	0.63240	1724.2	8.9	1678.0	19.0	1785.0	18.0	1785.0	18.0	6.0
UY01DZ_5	90.60	0.42	4.83800	0.05600	0.32410	0.00320	0.74217	1792.4	9.4	1809.0	16.0	1787.0	18.0	1787.0	18.0	1.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
UY01DZ_64	142.00	0.78	4.37400	0.05800	0.28780	0.00500	0.87489	1706.0	11.0	1630.0	25.0	1795.0	17.0	1795.0	17.0	9.2
UY01DZ_60	100.40	0.73	4.76700	0.07200	0.31160	0.00460	0.66835	1781.0	12.0	1748.0	22.0	1814.0	19.0	1814.0	19.0	3.6
UY01DZ_62	155.70	0.74	4.59000	0.05800	0.29730	0.00500	0.56803	1747.0	11.0	1677.0	25.0	1843.0	27.0	1843.0	27.0	9.0
UY01DZ_3	287.00	2.46	4.80000	0.10000	0.30180	0.00550	0.84375	1783.0	18.0	1700.0	27.0	1899.0	22.0	1899.0	22.0	10.5
UY01DZ_82	135.00	0.42	4.83800	0.09500	0.29430	0.00640	0.96858	1790.0	17.0	1662.0	32.0	1941.0	20.0	1941.0	20.0	14.4
UY01DZ_39	104.50	0.85	5.24200	0.04500	0.31570	0.00330	0.66087	1859.0	7.4	1768.0	16.0	1943.0	14.0	1943.0	14.0	9.0
UY01DZ_74	75.00	1.12	5.51200	0.05600	0.32040	0.00360	0.60369	1902.9	8.9	1793.0	17.0	2016.0	16.0	2016.0	16.0	11.1
UY01DZ_18	177.50	1.26	6.22300	0.05800	0.34840	0.00360	0.75598	2007.0	8.2	1927.0	17.0	2092.0	12.0	2092.0	12.0	7.9
UY01DZ_93	140.20	1.69	6.60300	0.08700	0.36990	0.00570	0.72431	2060.0	11.0	2032.0	27.0	2103.0	20.0	2103.0	20.0	3.4
UY01DZ_24	198.50	1.19	6.92100	0.05400	0.37770	0.00370	0.58191	2101.0	6.9	2065.0	17.0	2153.0	14.0	2153.0	14.0	4.1
UY01DZ_109	198.00	5.83	9.81800	0.08500	0.45070	0.00460	0.72127	2418.2	7.8	2398.0	20.0	2449.0	12.0	2449.0	12.0	2.1
UY01DZ_94	54.90	0.84	12.63000	0.13000	0.49110	0.00550	0.53222	2653.4	9.8	2575.0	24.0	2726.0	17.0	2726.0	17.0	5.5
UY01DZ_110	379.90	0.99	15.97000	0.17000	0.54740	0.00520	0.85093	2876.0	10.0	2814.0	22.0	2928.8	7.7	2928.8	7.7	3.9
EASTERN CORDILLERA																
OK01DZ: Incapampa Fm., Miocene? (n=110), (19.53°S, 64.86°W)																
OK01DZ_24	170.00	1.48	0.09530	0.00710	0.01312	0.00037	0.67943	92.4	6.6	84.0	2.4	250.0	120.0	84.0	2.4	9.1
OK01DZ_2_29	131.90	0.92	0.28580	0.00620	0.03943	0.00045	0.22328	255.1	4.9	249.3	2.8	306.0	51.0	249.3	2.8	2.3
OK01DZ_2_17	363.00	4.06	0.35890	0.00800	0.04127	0.00090	0.71220	311.3	6.0	260.7	5.6	705.0	37.0	260.7	5.6	16.3
OK01DZ_25	255.00	1.20	0.33200	0.01300	0.04390	0.00130	0.52081	290.6	9.5	277.2	8.2	378.0	76.0	277.2	8.2	4.6
OK01DZ_2_28	155.70	1.20	0.44870	0.00790	0.05990	0.00089	0.39258	377.8	5.2	375.0	5.4	383.0	41.0	375.0	5.4	0.7
OK01DZ_69	155.70	1.80	0.63900	0.01100	0.07690	0.00100	0.69193	501.5	6.9	477.8	6.2	606.0	35.0	477.8	6.2	4.7
OK01DZ_2_15	95.30	3.79	0.64100	0.01300	0.07763	0.00098	0.21120	502.2	7.9	481.9	5.8	600.0	42.0	481.9	5.8	4.0
OK01DZ_63	84.50	0.66	0.63000	0.01100	0.07930	0.00110	0.02693	495.4	7.1	491.9	6.3	513.0	47.0	491.9	6.3	0.7
OK01DZ_42	153.00	0.91	0.67510	0.00730	0.08084	0.00095	0.33720	523.6	4.4	501.1	5.7	663.0	31.0	501.1	5.7	4.3
OK01DZ_72	107.00	1.05	0.67000	0.01600	0.08160	0.00110	0.56262	521.5	9.9	505.9	6.7	604.0	43.0	505.9	6.7	3.0
OK01DZ_2_12	21.40	0.97	0.69400	0.02100	0.08170	0.00160	0.27405	536.0	12.0	505.9	9.8	622.0	75.0	505.9	9.8	5.6
OK01DZ_43	96.10	0.98	0.71500	0.02700	0.08240	0.00170	0.33223	547.0	16.0	511.0	10.0	736.0	82.0	511.0	10.0	6.6
OK01DZ_2_4	19.40	0.48	0.65800	0.02400	0.08350	0.00150	0.29553	512.0	15.0	516.6	9.0	544.0	79.0	516.6	9.0	0.9
OK01DZ_22	114.80	1.37	0.67500	0.01800	0.08380	0.00190	0.61107	522.0	11.0	519.0	11.0	589.0	47.0	519.0	11.0	0.6
OK01DZ_2_27	48.00	0.59	0.73700	0.01900	0.08530	0.00150	0.26666	560.0	11.0	527.3	8.9	677.0	52.0	527.3	8.9	5.8
OK01DZ_2_36	41.50	14.98	0.73500	0.02400	0.08550	0.00210	0.07991	558.0	14.0	529.0	13.0	705.0	87.0	529.0	13.0	5.2
OK01DZ_56	65.90	0.50	0.92600	0.07600	0.08590	0.00150	0.34420	658.0	39.0	530.9	9.1	1100.0	150.0	530.9	9.1	19.3
OK01DZ_2_9	111.00	1.63	0.69300	0.01200	0.08664	0.00096	0.31049	534.2	7.2	535.6	5.7	514.0	38.0	535.6	5.7	0.3
OK01DZ_2_26	161.90	0.43	0.71740	0.00940	0.08740	0.00110	0.22635	548.9	5.6	539.8	6.2	584.0	35.0	539.8	6.2	1.7
OK01DZ_6	158.70	0.87	0.71300	0.01100	0.08800	0.00120	0.23457	546.5	6.8	543.7	7.1	558.0	37.0	543.7	7.1	0.5
OK01DZ_2_24	48.80	0.99	0.71500	0.01800	0.08810	0.00130	0.06802	547.0	11.0	544.4	7.9	575.0	66.0	544.4	7.9	0.5
OK01DZ_52	293.00	1.33	0.72590	0.00940	0.08850	0.00110	0.48535	554.8	5.4	546.8	6.2	612.0	29.0	546.8	6.2	1.4
OK01DZ_54	107.70	1.14	0.73100	0.01500	0.08950	0.00140	0.11890	556.9	8.7	552.7	8.3	604.0	58.0	552.7	8.3	0.8
OK01DZ_59	52.30	1.63	0.78600	0.02600	0.09030	0.00240	0.41931	588.0	15.0	557.0	14.0	668.0	68.0	557.0	14.0	5.3
OK01DZ_31	90.20	67.90	0.75100	0.01600	0.09160	0.00170	0.37941	568.5	9.6	565.0	9.8	592.0	43.0	565.0	9.8	0.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
OK01DZ_2_38	14.49	0.49	0.79800	0.02500	0.09330	0.00210	0.24813	597.0	15.0	575.0	12.0	716.0	73.0	575.0	12.0	3.7
OK01DZ_50	122.00	1.06	0.77600	0.01500	0.09350	0.00170	0.13468	584.6	8.8	576.2	9.9	635.0	56.0	576.2	9.9	1.4
OK01DZ_33	67.70	1.29	0.76700	0.01400	0.09360	0.00150	0.36715	577.6	8.0	576.7	8.6	612.0	40.0	576.7	8.6	0.2
OK01DZ_47	319.00	1.76	0.77580	0.00970	0.09420	0.00120	0.52793	582.8	5.5	580.2	6.8	609.0	22.0	580.2	6.8	0.4
OK01DZ_2_13	155.00	2.19	0.77950	0.00860	0.09450	0.00110	0.35641	585.7	4.8	581.9	6.5	587.0	28.0	581.9	6.5	0.6
OK01DZ_64	335.00	10.09	0.78300	0.01300	0.09480	0.00140	0.57739	586.8	7.4	583.7	8.1	595.0	29.0	583.7	8.1	0.5
OK01DZ_38	76.10	0.81	0.77900	0.01700	0.09530	0.00140	0.30766	584.2	9.7	586.7	8.2	574.0	49.0	586.7	8.2	0.4
OK01DZ_37	71.46	1.44	0.80900	0.02200	0.09700	0.00160	0.00011	601.0	12.0	596.7	9.5	623.0	70.0	596.7	9.5	0.7
OK01DZ_2_30	33.70	1.05	0.88500	0.02400	0.09720	0.00220	0.37165	643.0	13.0	598.0	13.0	817.0	63.0	598.0	13.0	7.0
OK01DZ_2	168.90	0.62	0.80960	0.00980	0.09820	0.00130	0.42040	602.0	5.5	603.5	7.4	602.0	31.0	603.5	7.4	0.2
OK01DZ_29	124.50	0.96	0.84400	0.01400	0.09880	0.00130	0.27289	622.3	7.3	607.3	7.5	667.0	37.0	607.3	7.5	2.4
OK01DZ_66	64.30	0.36	0.82500	0.01600	0.09910	0.00120	0.31054	610.5	8.6	609.3	7.2	631.0	43.0	609.3	7.2	0.2
OK01DZ_34	72.00	1.05	0.83000	0.01600	0.09930	0.00160	0.25023	614.3	8.6	610.4	9.4	607.0	48.0	610.4	9.4	0.6
OK01DZ_10	95.80	0.53	0.83100	0.02000	0.09940	0.00170	0.29910	614.0	11.0	611.0	10.0	648.0	53.0	611.0	10.0	0.5
OK01DZ_55	238.00	0.82	0.88900	0.01800	0.10110	0.00150	0.38358	645.7	9.7	620.9	9.0	720.0	46.0	620.9	9.0	3.8
OK01DZ_60	181.00	1.89	0.85400	0.01200	0.10110	0.00140	0.40552	626.2	6.8	622.1	7.9	630.0	32.0	622.1	7.9	0.7
OK01DZ_26	258.00	0.83	0.86100	0.01100	0.10259	0.00095	0.47819	631.0	5.9	629.5	5.6	636.0	25.0	629.5	5.6	0.2
OK01DZ_2_11	246.00	1.25	0.88000	0.01100	0.10280	0.00130	0.41615	641.8	6.0	630.9	7.6	669.0	27.0	630.9	7.6	1.7
OK01DZ_12	23.60	1.96	0.92200	0.02500	0.10300	0.00180	0.18233	662.0	13.0	632.0	11.0	742.0	67.0	632.0	11.0	4.5
OK01DZ_2_19	41.10	1.14	0.90400	0.02200	0.10330	0.00240	0.43918	657.0	12.0	634.0	14.0	747.0	53.0	634.0	14.0	3.5
OK01DZ_28	201.00	1.40	0.88800	0.01400	0.10400	0.00110	0.43082	645.4	7.3	637.5	6.7	676.0	37.0	637.5	6.7	1.2
OK01DZ_9	94.90	0.85	0.86200	0.01300	0.10420	0.00120	0.15064	630.7	6.8	638.7	6.9	624.0	32.0	638.7	6.9	1.3
OK01DZ_27	102.70	0.82	0.91800	0.01700	0.10420	0.00130	0.35274	661.0	9.2	638.8	7.6	732.0	39.0	638.8	7.6	3.4
OK01DZ_71	23.18	0.56	0.90200	0.02900	0.10560	0.00270	0.44522	655.0	17.0	647.0	16.0	667.0	84.0	647.0	16.0	1.2
OK01DZ_61	239.30	2.27	0.91600	0.01500	0.10640	0.00150	0.06309	659.8	8.2	651.7	9.0	671.0	36.0	651.7	9.0	1.2
OK01DZ_73	42.80	0.35	0.92100	0.02300	0.10660	0.00170	0.40430	664.0	12.0	653.0	10.0	704.0	49.0	653.0	10.0	1.7
OK01DZ_62	43.74	0.89	0.95800	0.03300	0.11050	0.00270	0.24798	681.0	17.0	675.0	16.0	682.0	75.0	675.0	16.0	0.9
OK01DZ_40	81.10	0.86	1.02000	0.02900	0.11080	0.00220	0.28018	715.0	15.0	677.0	13.0	839.0	66.0	677.0	13.0	5.3
OK01DZ_35	69.90	1.62	1.20900	0.03900	0.11180	0.00170	0.40056	804.0	18.0	683.4	9.6	1147.0	61.0	683.4	9.6	15.0
OK01DZ_58	78.20	1.61	0.98700	0.01700	0.11200	0.00120	0.35855	696.2	8.8	684.5	7.1	734.0	33.0	684.5	7.1	1.7
OK01DZ_32	113.00	3.99	1.09400	0.03200	0.11350	0.00230	0.69008	751.0	16.0	693.0	13.0	933.0	49.0	693.0	13.0	7.7
OK01DZ_14	111.00	1.49	1.15500	0.02100	0.12930	0.00190	0.23098	779.0	10.0	784.0	11.0	788.0	43.0	784.0	11.0	0.6
OK01DZ_36	62.30	0.69	1.16900	0.02400	0.12960	0.00210	0.48385	785.0	11.0	785.0	12.0	781.0	40.0	785.0	12.0	0.0
OK01DZ_13	154.00	1.75	1.21900	0.03000	0.12960	0.00210	0.39877	809.0	14.0	786.0	12.0	869.0	43.0	786.0	12.0	2.8
OK01DZ_2_5	57.70	1.61	1.31400	0.01900	0.14050	0.00160	0.25476	851.2	8.5	847.3	9.2	884.0	37.0	847.3	9.2	0.5
OK01DZ_44	93.40	1.85	1.45000	0.03400	0.14340	0.00340	0.72550	910.0	14.0	863.0	19.0	1043.0	35.0	863.0	19.0	5.2
OK01DZ_2_34	466.00	1.01	2.22400	0.04900	0.14960	0.00220	0.24184	1188.0	16.0	899.0	13.0	1768.0	35.0	899.0	13.0	24.3
OK01DZ_2_10	87.00	0.90	1.59900	0.04300	0.15600	0.00350	0.86007	971.0	17.0	934.0	20.0	1055.0	27.0	934.0	20.0	3.8
OK01DZ_18	90.90	1.47	1.67700	0.02600	0.16520	0.00260	0.47309	1000.8	9.5	987.0	15.0	1030.0	30.0	1030.0	30.0	4.2
OK01DZ_2_23	241.00	3.08	1.78600	0.02200	0.17530	0.00230	0.53604	1039.9	8.0	1041.0	13.0	1033.0	19.0	1033.0	19.0	0.8
OK01DZ_2_31	180.50	1.83	1.70200	0.01800	0.16640	0.00200	0.48318	1010.8	6.7	992.0	11.0	1039.0	25.0	1039.0	25.0	4.5
OK01DZ_15	140.90	1.82	1.81000	0.01900	0.17750	0.00210	0.21086	1048.9	7.0	1053.0	11.0	1053.0	30.0	1053.0	30.0	0.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
OK01DZ_57	114.30	2.28	1.79600	0.02800	0.17630	0.00350	0.66034	1043.0	10.0	1046.0	19.0	1054.0	33.0	1054.0	33.0	0.8
OK01DZ_51	287.00	3.24	1.76900	0.02000	0.17260	0.00170	0.12135	1034.0	7.3	1026.5	9.1	1057.0	26.0	1057.0	26.0	2.9
OK01DZ_16	122.00	1.44	1.72400	0.02300	0.16610	0.00190	0.44121	1016.7	8.6	990.0	11.0	1069.0	27.0	1069.0	27.0	7.4
OK01DZ_46	140.10	1.12	1.68500	0.01900	0.16380	0.00160	0.56177	1002.3	7.3	978.0	9.1	1077.0	19.0	1077.0	19.0	9.2
OK01DZ_48	35.80	3.05	1.70900	0.03300	0.16520	0.00270	0.33836	1011.0	12.0	987.0	15.0	1082.0	36.0	1082.0	36.0	8.8
OK01DZ_11	139.00	1.19	1.81900	0.02400	0.17500	0.00240	0.65277	1053.1	8.3	1040.0	13.0	1086.0	24.0	1086.0	24.0	4.2
OK01DZ_67	46.80	1.16	2.09000	0.03200	0.19700	0.00260	0.40633	1146.0	11.0	1159.0	14.0	1113.0	30.0	1113.0	30.0	4.1
OK01DZ_5	77.60	0.51	1.81100	0.02800	0.17100	0.00240	0.49952	1049.0	10.0	1018.0	13.0	1116.0	32.0	1116.0	32.0	8.8
OK01DZ_2_20	30.30	1.24	1.89000	0.03900	0.17830	0.00320	0.40115	1078.0	14.0	1059.0	17.0	1122.0	41.0	1122.0	41.0	5.6
OK01DZ_30	87.20	1.35	1.72700	0.02400	0.16190	0.00220	0.39954	1019.1	9.0	967.0	12.0	1139.0	30.0	1139.0	30.0	15.1
OK01DZ_2_3	58.20	1.26	2.05200	0.03200	0.19440	0.00340	0.61615	1134.0	11.0	1145.0	19.0	1139.0	26.0	1139.0	26.0	0.5
OK01DZ_20	86.10	2.13	1.89100	0.03300	0.17630	0.00310	0.67390	1078.0	11.0	1047.0	17.0	1144.0	28.0	1144.0	28.0	8.5
OK01DZ_2_32	103.80	1.03	1.95700	0.02900	0.18040	0.00240	0.61325	1099.8	9.8	1069.0	13.0	1167.0	24.0	1167.0	24.0	8.4
OK01DZ_45	93.70	2.53	2.09400	0.04100	0.19350	0.00280	0.71710	1145.0	13.0	1140.0	15.0	1173.0	25.0	1173.0	25.0	2.8
OK01DZ_2_35	46.00	0.62	2.08700	0.04500	0.18840	0.00340	0.41761	1146.0	14.0	1112.0	19.0	1200.0	45.0	1200.0	45.0	7.3
OK01DZ_49	81.00	0.68	2.20400	0.02800	0.19710	0.00220	0.44366	1184.3	8.8	1159.0	12.0	1242.0	27.0	1242.0	27.0	6.7
OK01DZ_7	98.00	1.08	2.55400	0.04500	0.22240	0.00410	0.72841	1288.0	12.0	1297.0	21.0	1280.0	26.0	1280.0	26.0	1.3
OK01DZ_23	84.20	0.42	2.52600	0.04200	0.21730	0.00320	0.43654	1279.0	12.0	1267.0	17.0	1308.0	33.0	1308.0	33.0	3.1
OK01DZ_2_22	164.80	0.50	2.70100	0.02400	0.22820	0.00190	0.59533	1328.2	6.6	1325.0	9.9	1345.0	16.0	1345.0	16.0	1.5
OK01DZ_41	57.50	0.31	2.66400	0.03400	0.22520	0.00250	0.35539	1319.0	9.3	1309.0	13.0	1355.0	24.0	1355.0	24.0	3.4
OK01DZ_2_33	155.10	2.10	2.80000	0.04000	0.23210	0.00320	0.70479	1354.0	11.0	1345.0	17.0	1367.0	21.0	1367.0	21.0	1.6
OK01DZ_68	74.60	2.69	3.18800	0.07400	0.23890	0.00580	0.63259	1453.0	18.0	1386.0	32.0	1531.0	44.0	1531.0	44.0	9.5
OK01DZ_2_18	26.90	0.37	3.17100	0.05200	0.23630	0.00420	0.60937	1449.0	13.0	1367.0	22.0	1570.0	30.0	1570.0	30.0	12.9
OK01DZ_8	64.50	1.11	4.23900	0.05100	0.29720	0.00410	0.47683	1682.0	9.6	1677.0	20.0	1686.0	24.0	1686.0	24.0	0.5
OK01DZ_3	98.50	0.82	4.02100	0.04000	0.28330	0.00310	0.41304	1637.9	8.1	1608.0	15.0	1690.0	20.0	1690.0	20.0	4.9
OK01DZ_39	125.60	0.62	4.23200	0.03900	0.29310	0.00310	0.31577	1679.8	7.5	1657.0	15.0	1710.0	20.0	1710.0	20.0	3.1
OK01DZ_2_25	65.06	1.07	4.39300	0.04400	0.30230	0.00330	0.54849	1710.5	8.4	1702.0	16.0	1731.0	20.0	1731.0	20.0	1.7
OK01DZ_2_8	151.50	3.60	4.72200	0.05400	0.31540	0.00370	0.66257	1770.5	9.5	1767.0	18.0	1758.0	17.0	1758.0	17.0	0.5
OK01DZ_74	250.00	4.05	4.55800	0.04500	0.30130	0.00360	0.68270	1743.2	7.8	1697.0	18.0	1791.0	15.0	1791.0	15.0	5.2
OK01DZ_1	42.10	0.73	5.12800	0.06100	0.33050	0.00450	0.65258	1841.1	9.9	1840.0	22.0	1855.0	18.0	1855.0	18.0	0.8
OK01DZ_4	128.30	0.73	5.06500	0.08600	0.32390	0.00670	0.76238	1829.0	14.0	1808.0	32.0	1859.0	31.0	1859.0	31.0	2.7
OK01DZ_2_14	68.30	0.69	5.20200	0.04400	0.32770	0.00330	0.69859	1852.5	7.2	1827.0	16.0	1871.0	13.0	1871.0	13.0	2.4
OK01DZ_70	164.80	0.86	5.37300	0.06200	0.33430	0.00460	0.76982	1880.0	10.0	1858.0	22.0	1898.0	15.0	1898.0	15.0	2.1
OK01DZ_2_7	191.60	0.87	5.65200	0.04600	0.34750	0.00370	0.78992	1923.7	7.0	1922.0	18.0	1935.0	12.0	1935.0	12.0	0.7
OK01DZ_2_21	34.50	0.80	5.09000	0.07400	0.30280	0.00500	0.58052	1838.0	12.0	1704.0	25.0	2002.0	25.0	2002.0	25.0	14.9
OK01DZ_2_16	172.00	1.82	5.76300	0.06900	0.33150	0.00410	0.88628	1940.0	10.0	1845.0	20.0	2048.0	11.0	2048.0	11.0	9.9
OK01DZ_2_1	331.00	1.05	6.86100	0.05500	0.39070	0.00460	0.72775	2095.6	7.6	2125.0	21.0	2086.0	14.0	2086.0	14.0	1.9
OK01DZ_19	65.90	1.89	7.16800	0.08900	0.39200	0.00390	0.79271	2133.0	11.0	2134.0	17.0	2126.0	15.0	2126.0	15.0	0.4
OK01DZ_17	175.60	1.73	6.66400	0.09900	0.35760	0.00620	0.79383	2071.0	14.0	1974.0	29.0	2172.0	20.0	2172.0	20.0	9.1
OK01DZ_2_2	239.00	2.14	8.00200	0.07700	0.42090	0.00430	0.76349	2230.5	8.7	2264.0	20.0	2207.0	13.0	2207.0	13.0	2.6
OK01DZ_53	62.54	1.10	11.23000	0.17000	0.45110	0.00670	0.71486	2545.0	15.0	2399.0	30.0	2677.0	21.0	2677.0	21.0	10.4
OK01DZ_75	101.90	0.90	13.71000	0.13000	0.53150	0.00480	0.61071	2731.5	9.1	2747.0	20.0	2721.0	13.0	2721.0	13.0	1.0
OK01DZ_65	127.00	0.70	14.86000	0.17000	0.55370	0.00700	0.81326	2805.0	11.0	2839.0	29.0	2778.0	13.0	2778.0	13.0	2.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMBOROZU SECTION																
EMB01DZ: Tariquia Fm., Late Miocene (n=118), (22.33°S, 64.5°W)																
EMB01DZ_25	990.00	1.68	0.01339	0.00062	0.00203	0.00006	0.18348	13.5	0.6	13.1	0.4	258.0	61.0	13.1	0.4	3.3
EMB01DZ_59	148.00	0.97	0.27670	0.00580	0.03801	0.00048	0.42445	247.8	4.6	240.5	3.0	358.0	35.0	240.5	3.0	2.9
EMB01DZ_7	126.80	0.86	0.32320	0.00770	0.04346	0.00065	0.31925	285.3	6.2	274.2	4.0	340.0	28.0	274.2	4.0	3.9
EMB01DZ_61	22.09	0.96	0.39700	0.05200	0.04980	0.00190	0.28462	338.0	37.0	313.0	12.0	500.0	160.0	313.0	12.0	7.4
EMB01DZ_31	928.00	1.47	0.38420	0.00460	0.05217	0.00047	0.49514	330.1	3.4	327.8	2.9	354.0	11.0	327.8	2.9	0.7
EMB01DZ_64	32.40	0.58	0.38800	0.01100	0.05307	0.00089	0.06467	334.1	8.0	333.3	5.5	368.0	48.0	333.3	5.5	0.2
EMB01DZ_44	323.00	0.64	0.40350	0.00490	0.05446	0.00029	0.50531	344.1	3.5	341.8	1.8	370.0	17.0	341.8	1.8	0.7
EMB01DZ_14	215.50	0.84	0.48260	0.00460	0.06385	0.00045	0.23571	399.8	3.2	399.0	2.7	404.0	15.0	399.0	2.7	0.2
EMB01DZ_17	99.40	0.30	0.48910	0.00840	0.06421	0.00092	0.58755	404.0	5.8	401.1	5.5	431.0	15.0	401.1	5.5	0.7
EMB01DZ_56	338.20	1.54	0.54710	0.00920	0.06558	0.00095	0.59041	443.8	5.9	409.5	5.7	619.0	20.0	409.5	5.7	7.7
EMB01DZ_46	408.00	1.18	0.61020	0.00710	0.07713	0.00073	0.52622	483.5	4.5	479.5	4.3	500.0	12.0	479.5	4.3	0.8
EMB01DZ_8	203.00	1.49	0.63740	0.00810	0.07769	0.00071	0.41852	500.6	5.0	482.3	4.3	575.0	18.0	482.3	4.3	3.7
EMB01DZ_27	326.00	1.07	0.61260	0.00600	0.07834	0.00062	0.01878	485.1	3.8	486.2	3.7	484.0	10.0	486.2	3.7	0.2
EMB01DZ_5	254.00	8.40	0.62230	0.00660	0.07842	0.00052	0.29884	491.8	4.2	486.7	3.1	500.0	11.0	486.7	3.1	1.0
EMB01DZ_54	157.60	1.32	0.62450	0.00890	0.07853	0.00066	0.19625	492.4	5.6	487.3	3.9	511.0	17.0	487.3	3.9	1.0
EMB01DZ_29	88.60	1.27	0.62230	0.00900	0.07873	0.00074	0.36086	491.8	5.5	488.5	4.4	503.0	20.0	488.5	4.4	0.7
EMB01DZ_38	90.70	0.61	0.61790	0.00810	0.07947	0.00076	0.21063	489.0	5.2	493.0	4.5	489.0	19.0	493.0	4.5	0.8
EMB01DZ_62	89.80	2.36	0.62580	0.00720	0.08000	0.00059	0.10544	493.3	4.5	496.1	3.5	498.0	15.0	496.1	3.5	0.6
EMB01DZ_12	166.00	1.90	0.65340	0.00910	0.08101	0.00084	0.58269	510.4	5.6	502.1	5.0	536.0	14.0	502.1	5.0	1.6
EMB01DZ_4	207.10	1.21	0.66560	0.00920	0.08110	0.00110	0.65382	517.9	5.6	502.8	6.7	594.0	22.0	502.8	6.7	2.9
EMB01DZ_48	61.70	0.98	0.66100	0.01300	0.08168	0.00080	0.15002	514.9	7.9	506.1	4.8	573.0	33.0	506.1	4.8	1.7
EMB01DZ_45	143.60	1.01	0.65590	0.00710	0.08252	0.00082	0.36303	512.0	4.4	511.1	4.9	534.0	14.0	511.1	4.9	0.2
EMB01DZ_3	85.10	0.89	0.67800	0.01200	0.08266	0.00080	0.33407	525.1	7.2	511.9	4.8	570.0	30.0	511.9	4.8	2.5
EMB01DZ_33	115.10	0.72	0.66100	0.00970	0.08310	0.00110	0.52595	514.9	5.9	514.3	6.3	540.0	20.0	514.3	6.3	0.1
EMB01DZ_20	19.77	1.19	0.66300	0.01500	0.08350	0.00130	0.19771	516.1	9.0	516.8	7.9	553.0	28.0	516.8	7.9	0.1
EMB01DZ_13	422.00	0.98	0.67220	0.00570	0.08360	0.00092	0.81645	522.5	3.4	517.5	5.5	544.0	11.0	517.5	5.5	1.0
EMB01DZ_47	10.36	0.55	0.67300	0.03800	0.08380	0.00260	0.05523	523.0	24.0	518.0	16.0	582.0	60.0	518.0	16.0	1.0
EMB01DZ_19	391.00	1.43	0.68830	0.00740	0.08519	0.00078	0.74446	532.2	4.5	527.0	4.6	554.8	8.6	527.0	4.6	1.0
EMB01DZ_7	101.70	2.12	0.68100	0.01200	0.08520	0.00120	0.53554	528.4	7.4	527.2	7.2	537.0	16.0	527.2	7.2	0.2
EMB01DZ_50	47.30	1.26	0.68700	0.01600	0.08570	0.00130	0.01242	536.0	10.0	529.8	7.4	553.0	36.0	529.8	7.4	1.2
EMB01DZ_2	123.60	0.96	0.69530	0.00790	0.08603	0.00059	0.12211	535.8	4.7	532.0	3.5	541.0	13.0	532.0	3.5	0.7
EMB01DZ_21	95.10	0.64	0.69460	0.00820	0.08612	0.00092	0.50292	535.3	4.9	532.5	5.5	560.0	15.0	532.5	5.5	0.5
EMB01DZ_31	380.00	5.92	0.69580	0.00780	0.08652	0.00098	0.50964	536.1	4.7	534.9	5.8	540.0	13.0	534.9	5.8	0.2
EMB01DZ_15	145.40	1.76	0.69400	0.01500	0.08660	0.00130	0.55079	534.9	9.0	535.5	7.8	497.0	23.0	535.5	7.8	0.1
EMB01DZ_6	178.60	2.05	0.69830	0.00800	0.08678	0.00063	0.38707	537.6	4.8	536.4	3.8	531.0	14.0	536.4	3.8	0.2
EMB01DZ_16	55.80	0.79	0.71700	0.01400	0.08960	0.00130	0.05149	548.6	8.1	553.2	7.8	528.0	29.0	553.2	7.8	0.8
EMB01DZ_24	133.20	2.61	0.73360	0.00690	0.09011	0.00069	0.28452	559.6	4.0	556.2	4.1	565.0	14.0	556.2	4.1	0.6
EMB01DZ_9	247.80	1.81	0.76200	0.01100	0.09070	0.00140	0.72926	574.9	6.5	559.9	8.1	624.0	12.0	559.9	8.1	2.6
EMB01DZ_32	954.00	1.54	0.74990	0.00800	0.09120	0.00100	0.49871	568.0	4.6	562.3	6.2	596.0	14.0	562.3	6.2	1.0
EMB01DZ_46	201.60	7.26	0.77460	0.00940	0.09190	0.00120	0.50419	582.2	5.4	567.8	6.8	655.0	12.0	567.8	6.8	2.5

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB01DZ_24	138.80	0.90	0.77610	0.00990	0.09260	0.00110	0.20956	583.0	5.7	571.1	6.2	641.0	18.0	571.1	6.2	2.0
EMB01DZ_15	146.20	1.81	0.76300	0.01300	0.09270	0.00150	0.49678	575.6	7.6	571.4	8.6	588.0	18.0	571.4	8.6	0.7
EMB01DZ_30	208.10	0.69	0.77570	0.00680	0.09453	0.00075	0.28970	582.9	3.9	582.2	4.4	595.0	13.0	582.2	4.4	0.1
EMB01DZ_48	93.93	1.06	0.78900	0.01500	0.09470	0.00130	0.05509	590.6	8.7	583.5	7.8	633.0	31.0	583.5	7.8	1.2
EMB01DZ_60	129.00	0.70	0.77200	0.01100	0.09520	0.00100	0.19874	580.8	6.1	586.0	6.0	583.0	21.0	586.0	6.0	0.9
EMB01DZ_2	149.30	1.32	0.79100	0.01300	0.09560	0.00120	0.64292	591.1	7.2	589.4	6.8	589.0	16.0	589.4	6.8	0.3
EMB01DZ_33	50.80	0.82	0.80300	0.02000	0.09620	0.00170	0.33979	598.0	11.0	592.0	10.0	629.0	35.0	592.0	10.0	1.0
EMB01DZ_34	114.70	1.90	0.79300	0.01100	0.09636	0.00092	0.43668	592.6	6.0	593.0	5.4	596.0	15.0	593.0	5.4	0.1
EMB01DZ_25	93.00	0.51	0.81000	0.01400	0.09650	0.00110	0.03589	602.8	7.8	594.0	6.4	639.0	25.0	594.0	6.4	1.5
EMB01DZ_32	215.60	2.46	0.82000	0.01800	0.09740	0.00210	0.82129	607.0	10.0	599.0	12.0	621.0	15.0	599.0	12.0	1.3
EMB01DZ_8	339.00	1.62	0.80870	0.00830	0.09783	0.00084	0.32311	602.1	4.6	601.6	4.9	602.0	14.0	601.6	4.9	0.1
EMB01DZ_51	434.00	2.07	0.85700	0.02000	0.09790	0.00120	0.69394	628.0	11.0	602.3	7.2	707.0	25.0	602.3	7.2	4.1
EMB01DZ_57	98.80	0.36	0.82070	0.00950	0.09814	0.00077	0.32421	608.2	5.3	603.5	4.5	631.0	13.0	603.5	4.5	0.8
EMB01DZ_47	77.10	0.38	0.82400	0.01200	0.09818	0.00096	0.27052	610.9	6.7	603.7	5.6	637.0	14.0	603.7	5.6	1.2
EMB01DZ_56	80.70	0.73	0.85800	0.01100	0.09840	0.00100	0.19324	628.9	6.1	604.9	6.1	726.0	19.0	604.9	6.1	3.8
EMB01DZ_42	67.80	0.54	0.83200	0.01300	0.09980	0.00130	0.17586	614.5	7.4	613.2	7.8	613.0	22.0	613.2	7.8	0.2
EMB01DZ_36	105.50	1.98	0.90300	0.02100	0.10080	0.00120	0.19357	653.0	11.0	618.9	7.2	760.0	36.0	618.9	7.2	5.2
EMB01DZ_11	291.00	10.46	0.91700	0.02600	0.10190	0.00430	0.76952	661.0	14.0	626.0	25.0	767.0	20.0	626.0	25.0	5.3
EMB01DZ_49	236.90	0.84	0.85810	0.00880	0.10217	0.00098	0.51795	628.9	4.8	627.1	5.7	645.0	15.0	627.1	5.7	0.3
EMB01DZ_35	241.80	1.11	0.86100	0.01100	0.10293	0.00082	0.39269	630.1	6.0	631.5	4.8	642.0	18.0	631.5	4.8	0.2
EMB01DZ_22	140.60	1.57	0.87600	0.01200	0.10310	0.00130	0.30405	638.4	6.3	632.7	7.9	637.0	21.0	632.7	7.9	0.9
EMB01DZ_6	401.00	1.26	0.87570	0.00660	0.10384	0.00070	0.46988	638.5	3.6	636.9	4.1	636.5	9.0	636.9	4.1	0.3
EMB01DZ_26	125.00	0.89	0.87600	0.01300	0.10400	0.00140	0.64977	639.5	6.8	637.8	8.2	666.0	14.0	637.8	8.2	0.3
EMB01DZ_29	383.00	6.00	0.87300	0.00970	0.10420	0.00100	0.63463	637.0	5.2	639.0	6.1	629.0	11.0	639.0	6.1	0.3
EMB01DZ_39	309.00	1.24	0.87680	0.00710	0.10466	0.00071	0.56863	639.1	3.9	641.6	4.2	644.0	10.0	641.6	4.2	0.4
EMB01DZ_18	62.80	0.92	0.89000	0.01200	0.10520	0.00110	0.23194	645.8	6.6	644.9	6.4	652.0	17.0	644.9	6.4	0.1
EMB01DZ_40	110.90	0.83	0.90200	0.01100	0.10570	0.00100	0.48205	652.5	5.9	648.4	6.0	678.0	13.0	648.4	6.0	0.6
EMB01DZ_43	164.30	2.26	0.91800	0.01500	0.10600	0.00130	0.74637	660.8	8.0	649.6	7.3	703.0	13.0	649.6	7.3	1.7
EMB01DZ_10	94.60	1.33	0.88200	0.01300	0.10610	0.00140	0.57528	641.7	7.1	650.2	8.1	617.0	15.0	650.2	8.1	1.3
EMB01DZ_37	22.70	0.87	0.90000	0.02300	0.10630	0.00170	0.13181	654.0	13.0	651.0	9.7	679.0	35.0	651.0	9.7	0.5
EMB01DZ_41	145.00	0.62	0.87700	0.01200	0.10650	0.00170	0.59749	639.3	6.4	652.5	9.9	587.0	18.0	652.5	9.9	2.1
EMB01DZ_30	158.00	1.50	0.93000	0.01200	0.10830	0.00110	0.32691	667.3	6.5	662.7	6.6	685.0	18.0	662.7	6.6	0.7
EMB01DZ_13	351.00	9.70	0.91300	0.01600	0.10920	0.00170	0.75270	659.4	8.7	668.0	9.6	640.0	13.0	668.0	9.6	1.3
EMB01DZ_19	77.10	1.94	0.93200	0.01500	0.11030	0.00150	0.38893	669.0	8.0	674.4	9.0	657.0	26.0	674.4	9.0	0.8
EMB01DZ_1	272.60	2.12	1.01500	0.01000	0.11640	0.00110	0.59440	711.2	5.1	709.6	6.5	710.0	10.0	709.6	6.5	0.2
EMB01DZ_38	183.00	3.90	1.78200	0.09900	0.12150	0.00740	0.97600	1045.0	36.0	743.0	44.0	1721.0	16.0	743.0	44.0	28.9
EMB01DZ_21	96.40	4.84	1.27700	0.04400	0.12300	0.00400	0.74488	834.0	20.0	748.0	23.0	1083.0	32.0	748.0	23.0	10.3
EMB01DZ_35	117.90	2.21	1.10400	0.01600	0.12470	0.00160	0.47101	755.0	7.5	757.7	9.4	751.0	20.0	757.7	9.4	0.4
EMB01DZ_5	13.05	0.37	1.19000	0.03900	0.12830	0.00300	0.21754	794.0	18.0	778.0	17.0	889.0	41.0	778.0	17.0	2.0
EMB01DZ_50	101.40	1.66	1.24700	0.01300	0.13040	0.00110	0.18669	822.7	5.9	790.4	6.1	909.0	14.0	790.4	6.1	3.9
EMB01DZ_55	91.30	1.80	1.20200	0.01500	0.13140	0.00150	0.50997	803.5	7.2	796.0	8.5	819.0	15.0	796.0	8.5	0.9
EMB01DZ_36	227.00	2.01	1.64000	0.01600	0.16440	0.00170	0.72948	985.5	6.3	981.1	9.3	1010.0	7.9	1010.0	7.9	2.9
EMB01DZ_16	54.37	1.30	1.66300	0.06500	0.16570	0.00400	0.68020	994.0	25.0	988.0	22.0	1017.0	34.0	1017.0	34.0	2.9

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB01DZ_1	65.20	1.13	1.79300	0.01900	0.17630	0.00150	0.34641	1042.3	6.9	1046.6	8.5	1022.0	12.0	1022.0	12.0	2.4
EMB01DZ_37	67.20	1.74	1.67300	0.02000	0.16470	0.00180	0.69074	997.9	7.5	983.0	10.0	1047.0	14.0	1047.0	14.0	6.1
EMB01DZ_23	473.00	3.47	1.76400	0.01500	0.17230	0.00140	0.70126	1032.1	5.6	1024.6	7.7	1052.2	9.0	1052.2	9.0	2.6
EMB01DZ_9	126.20	2.14	1.69600	0.03200	0.16350	0.00240	0.90181	1006.0	12.0	976.0	13.0	1061.0	11.0	1061.0	11.0	8.0
EMB01DZ_58	125.60	1.40	1.80500	0.01800	0.17530	0.00160	0.68780	1047.0	6.4	1040.9	8.5	1062.2	9.0	1062.2	9.0	2.0
EMB01DZ_17	166.20	1.33	1.89700	0.01700	0.18520	0.00150	0.39486	1079.9	5.9	1095.2	8.0	1065.0	11.0	1065.0	11.0	2.8
EMB01DZ_22	57.90	1.10	1.80300	0.06500	0.17410	0.00520	0.82070	1044.0	24.0	1034.0	29.0	1070.0	26.0	1070.0	26.0	3.4
EMB01DZ_12	142.00	2.93	1.91400	0.02700	0.18330	0.00230	0.35081	1089.0	10.0	1085.0	12.0	1086.0	22.0	1086.0	22.0	0.1
EMB01DZ_53	69.60	0.92	1.98900	0.02300	0.18910	0.00220	0.52937	1111.1	7.8	1116.0	12.0	1102.0	14.0	1102.0	14.0	1.3
EMB01DZ_10	211.10	2.13	1.74100	0.01400	0.16450	0.00150	0.70762	1024.4	5.3	981.8	8.1	1104.9	5.8	1104.9	5.8	11.1
EMB01DZ_28	96.60	1.14	2.00700	0.03000	0.18990	0.00250	0.50260	1117.0	10.0	1121.0	14.0	1111.0	19.0	1111.0	19.0	0.9
EMB01DZ_3	58.90	1.10	2.20300	0.07500	0.19990	0.00640	0.79314	1186.0	22.0	1174.0	34.0	1192.0	24.0	1192.0	24.0	1.5
EMB01DZ_53	36.30	0.61	2.27700	0.05900	0.20600	0.00300	0.82797	1203.0	18.0	1207.0	16.0	1202.0	25.0	1202.0	25.0	0.4
EMB01DZ_11	129.00	0.54	2.29400	0.03200	0.20610	0.00270	0.60593	1210.1	9.9	1208.0	15.0	1218.0	14.0	1218.0	14.0	0.8
EMB01DZ_26	274.00	5.14	2.42600	0.03100	0.21570	0.00280	0.67825	1249.9	9.1	1262.0	14.0	1230.0	12.0	1230.0	12.0	2.6
EMB01DZ_20	57.50	1.86	2.42000	0.03200	0.21460	0.00270	0.34817	1247.9	9.5	1253.0	14.0	1235.0	18.0	1235.0	18.0	1.5
EMB01DZ_14	54.90	1.29	2.94400	0.03000	0.24650	0.00220	0.35693	1392.7	7.6	1420.0	11.0	1357.0	12.0	1357.0	12.0	4.6
EMB01DZ_40	116.50	1.34	2.87300	0.02300	0.23790	0.00180	0.53167	1374.5	5.9	1375.6	9.2	1382.7	7.0	1382.7	7.0	0.5
EMB01DZ_55	62.10	1.87	2.94900	0.02800	0.23140	0.00170	0.26428	1394.3	7.1	1341.7	9.0	1487.0	11.0	1487.0	11.0	9.8
EMB01DZ_54	105.90	1.15	3.41200	0.02700	0.26420	0.00170	0.40970	1507.7	6.1	1511.5	8.9	1515.2	9.6	1515.2	9.6	0.2
EMB01DZ_45	319.90	1.60	3.59300	0.03800	0.27110	0.00300	0.71962	1547.7	8.4	1546.0	15.0	1541.4	8.3	1541.4	8.3	0.3
EMB01DZ_18	9.13	0.53	4.30000	0.13000	0.29790	0.00780	0.60189	1697.0	25.0	1680.0	39.0	1739.0	25.0	1739.0	25.0	3.4
EMB01DZ_27	77.60	1.05	4.60200	0.05900	0.30920	0.00470	0.52778	1749.0	11.0	1737.0	23.0	1779.0	13.0	1779.0	13.0	2.4
EMB01DZ_44	238.10	2.30	5.04300	0.05400	0.33110	0.00380	0.83168	1825.9	9.2	1843.0	18.0	1797.7	7.9	1797.7	7.9	2.5
EMB01DZ_28	74.10	0.80	4.86600	0.03700	0.31990	0.00260	0.59334	1795.9	6.5	1789.0	13.0	1815.2	7.1	1815.2	7.1	1.4
EMB01DZ_52	302.20	3.74	4.52300	0.03400	0.27260	0.00220	0.58904	1735.0	6.3	1554.0	11.0	1961.7	6.8	1961.7	6.8	20.8
EMB01DZ_23	62.50	0.93	5.86400	0.05500	0.35320	0.00320	0.70143	1955.4	8.2	1950.0	15.0	1964.3	7.9	1964.3	7.9	0.7
EMB01DZ_43	49.10	0.92	6.47000	0.12000	0.37590	0.00500	0.54858	2041.0	16.0	2057.0	23.0	2026.0	19.0	2026.0	19.0	1.5
EMB01DZ_39	94.30	1.77	7.44200	0.09000	0.40080	0.00570	0.71654	2167.0	11.0	2172.0	26.0	2144.4	9.2	2144.4	9.2	1.3
EMB01DZ_51	70.00	0.46	7.61100	0.05000	0.40610	0.00260	0.46584	2185.8	5.9	2197.0	12.0	2187.5	7.4	2187.5	7.4	0.4
EMB01DZ_41	69.00	0.40	10.54000	0.10000	0.42330	0.00410	0.82750	2482.5	8.9	2275.0	19.0	2666.5	5.7	2666.5	5.7	14.7
EMB01DZ_49	196.40	1.38	11.63000	0.12000	0.44500	0.00510	0.81933	2574.5	9.2	2372.0	23.0	2751.4	7.8	2751.4	7.8	13.8
EMB01DZ_34	124.60	1.18	12.98000	0.14000	0.47190	0.00470	0.89030	2680.0	11.0	2491.0	21.0	2825.5	4.7	2825.5	4.7	11.8
EMB01DZ_4	130.00	1.20	26.26000	0.48000	0.68400	0.01100	0.97860	3348.0	22.0	3359.0	43.0	3331.0	11.0	3331.0	11.0	0.8
EMB01DZ_63	243.00	1.81	22.26000	0.17000	0.55810	0.00430	0.67749	3195.1	7.6	2859.0	18.0	3411.7	6.7	3411.7	6.7	16.2
EMB03DZ: Guandacay Fm., Late Miocene (n=127), (22.31°S, 64.51°W)																
EMB03DZ_85	138.20	0.42	0.29990	0.00930	0.04130	0.00120	0.27648	266.3	7.3	260.8	7.6	319.0	45.0	260.8	7.6	2.1
EMB03DZ_28	278.00	1.09	0.30230	0.00350	0.04225	0.00034	0.31382	268.2	2.7	266.8	2.1	279.0	13.0	266.8	2.1	0.5
EMB03DZ_38	560.00	0.41	0.33740	0.00510	0.04603	0.00060	0.77535	295.7	3.8	290.7	3.8	333.0	11.0	290.7	3.8	1.7
EMB03DZ_9	175.00	1.41	0.33340	0.00910	0.04667	0.00062	0.34527	292.0	6.9	294.1	3.8	310.0	33.0	294.1	3.8	0.7
EMB03DZ_77	129.00	1.02	0.35300	0.01500	0.04766	0.00061	0.27593	307.0	11.0	300.1	3.8	380.0	65.0	300.1	3.8	2.2
EMB03DZ_1	91.90	0.92	0.42730	0.00810	0.05736	0.00052	0.19640	362.3	5.7	359.5	3.2	387.0	25.0	359.5	3.2	0.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB03DZ_78	289.00	1.38	0.44880	0.00570	0.05919	0.00052	0.58915	376.3	4.0	370.7	3.1	404.0	14.0	370.7	3.1	1.5
EMB03DZ_30	155.70	1.46	0.44960	0.00640	0.06032	0.00056	0.11457	376.8	4.5	377.6	3.4	381.0	17.0	377.6	3.4	0.2
EMB03DZ_96	275.00	2.93	0.54400	0.00620	0.07029	0.00061	0.49979	441.7	4.2	437.9	3.7	458.0	14.0	437.9	3.7	0.9
EMB03DZ_117	234.10	6.92	0.57200	0.01000	0.07333	0.00088	0.58643	459.1	6.6	456.2	5.3	467.0	24.0	456.2	5.3	0.6
EMB03DZ_50	129.00	0.90	0.58800	0.00720	0.07574	0.00058	0.13158	470.0	4.7	470.7	3.5	462.0	19.0	470.7	3.5	0.1
EMB03DZ_26	127.30	1.18	0.62300	0.01400	0.07625	0.00088	0.55266	491.0	8.7	474.5	5.4	565.0	27.0	474.5	5.4	3.4
EMB03DZ_62	286.00	2.78	0.62080	0.00990	0.07755	0.00091	0.56081	491.0	6.3	481.5	5.4	522.0	16.0	481.5	5.4	1.9
EMB03DZ_51	229.00	8.45	0.61190	0.00750	0.07778	0.00086	0.46923	484.6	4.7	482.9	5.2	502.0	17.0	482.9	5.2	0.4
EMB03DZ_46	97.80	0.63	0.61410	0.00850	0.07822	0.00086	0.41301	485.9	5.3	485.4	5.1	508.0	24.0	485.4	5.1	0.1
EMB03DZ_36	190.70	1.70	0.63130	0.00610	0.07875	0.00063	0.09819	496.8	3.8	488.6	3.8	532.0	16.0	488.6	3.8	1.7
EMB03DZ_66	828.00	1.21	0.63200	0.00650	0.07880	0.00120	0.78033	497.3	4.1	488.6	7.0	554.0	11.0	488.6	7.0	1.7
EMB03DZ_68	545.00	5.26	0.63800	0.01300	0.08060	0.00200	0.89987	500.9	8.3	500.0	12.0	524.0	14.0	500.0	12.0	0.2
EMB03DZ_16	129.90	2.99	0.63500	0.00630	0.08123	0.00086	0.25631	499.1	3.9	503.4	5.1	484.0	14.0	503.4	5.1	0.9
EMB03DZ_31	85.00	1.60	0.65700	0.01100	0.08136	0.00094	0.15450	512.3	6.7	504.2	5.6	553.0	28.0	504.2	5.6	1.6
EMB03DZ_48	101.50	0.75	0.66240	0.00770	0.08283	0.00066	0.28010	515.9	4.7	513.0	3.9	520.0	15.0	513.0	3.9	0.6
EMB03DZ_110	246.00	1.19	0.66720	0.00700	0.08304	0.00099	0.54167	518.9	4.3	514.2	5.9	535.0	13.0	514.2	5.9	0.9
EMB03DZ_32	60.90	1.12	0.66900	0.01100	0.08321	0.00075	0.02562	519.9	6.8	515.3	4.5	540.0	25.0	515.3	4.5	0.9
EMB03DZ_18	265.80	3.82	0.69800	0.03400	0.08350	0.00250	0.04543	537.0	20.0	517.0	15.0	606.0	65.0	517.0	15.0	3.7
EMB03DZ_79	521.00	5.41	0.68300	0.01000	0.08410	0.00150	0.83475	528.2	6.1	520.4	9.1	555.0	11.0	520.4	9.1	1.5
EMB03DZ_37	234.00	1.54	0.67110	0.00610	0.08435	0.00056	0.48643	521.3	3.7	522.0	3.3	514.0	12.0	522.0	3.3	0.1
EMB03DZ_56	314.00	1.51	0.68120	0.00500	0.08512	0.00051	0.27517	527.4	3.0	526.6	3.0	535.0	8.6	526.6	3.0	0.2
EMB03DZ_93	231.70	4.25	0.68200	0.00880	0.08549	0.00089	0.58071	528.3	5.2	528.8	5.3	521.0	14.0	528.8	5.3	0.1
EMB03DZ_29	92.00	0.72	0.69590	0.00850	0.08591	0.00093	0.35782	536.7	5.0	531.3	5.5	565.0	15.0	531.3	5.5	1.0
EMB03DZ_112	1058.00	1.79	0.70700	0.01000	0.08610	0.00110	0.33829	543.0	6.0	532.3	6.8	602.0	21.0	532.3	6.8	2.0
EMB03DZ_63	544.00	3.42	0.69900	0.01500	0.08650	0.00240	0.84409	538.2	9.2	535.0	14.0	573.0	12.0	535.0	14.0	0.6
EMB03DZ_55	185.00	1.00	0.69750	0.00810	0.08688	0.00093	0.20068	537.2	4.9	537.0	5.5	527.0	15.0	537.0	5.5	0.0
EMB03DZ_111	132.00	1.26	0.69240	0.00730	0.08750	0.00076	0.37564	534.1	4.4	540.7	4.5	504.0	16.0	540.7	4.5	1.2
EMB03DZ_27	131.00	1.90	0.73400	0.01500	0.08770	0.00170	0.67042	558.6	8.6	542.0	10.0	598.0	25.0	542.0	10.0	3.0
EMB03DZ_107	46.40	1.30	0.71500	0.01100	0.08870	0.00110	0.09727	548.5	6.4	547.5	6.4	543.0	24.0	547.5	6.4	0.2
EMB03DZ_88	66.30	0.24	0.71700	0.01800	0.08870	0.00170	0.53060	548.0	11.0	547.9	9.9	575.0	22.0	547.9	9.9	0.0
EMB03DZ_86	22.68	0.70	0.73600	0.01700	0.08950	0.00130	0.18513	560.0	9.9	552.5	7.8	619.0	30.0	552.5	7.8	1.3
EMB03DZ_40	446.00	7.30	0.79000	0.02700	0.08980	0.00220	0.60538	591.0	15.0	554.0	13.0	741.0	26.0	554.0	13.0	6.3
EMB03DZ_34	48.00	0.50	0.74400	0.01600	0.09000	0.00130	0.17389	566.3	9.2	555.7	7.9	590.0	29.0	555.7	7.9	1.9
EMB03DZ_24	241.00	1.30	0.73730	0.00620	0.09026	0.00081	0.36029	560.7	3.6	557.0	4.8	573.4	8.2	557.0	4.8	0.7
EMB03DZ_122	683.00	15.30	0.77300	0.02200	0.09080	0.00220	0.82990	581.0	12.0	560.0	13.0	665.0	21.0	560.0	13.0	3.6
EMB03DZ_49	170.90	0.55	0.73580	0.00690	0.09081	0.00079	0.46034	559.8	4.0	560.3	4.7	549.0	13.0	560.3	4.7	0.1
EMB03DZ_115	193.00	0.90	0.74800	0.00660	0.09112	0.00061	0.35632	567.0	3.8	562.1	3.6	587.2	9.9	562.1	3.6	0.9
EMB03DZ_42	56.90	0.11	0.75500	0.01300	0.09173	0.00094	0.23014	571.7	7.2	565.8	5.6	572.0	15.0	565.8	5.6	1.0
EMB03DZ_71	104.30	58.20	0.74900	0.02600	0.09290	0.00260	0.36355	568.0	15.0	572.0	15.0	553.0	28.0	572.0	15.0	0.7
EMB03DZ_70	71.70	0.96	0.76700	0.01000	0.09327	0.00080	0.31503	577.6	5.9	574.8	4.7	581.0	18.0	574.8	4.7	0.5
EMB03DZ_127	2860.00	7.08	0.76730	0.00370	0.09380	0.00120	0.02835	578.2	2.1	577.9	7.3	564.0	32.0	577.9	7.3	0.1
EMB03DZ_59	240.00	0.49	0.77100	0.00670	0.09392	0.00053	0.27054	580.2	3.9	578.7	3.1	593.0	11.0	578.7	3.1	0.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB03DZ_5	36.15	0.40	0.75700	0.02000	0.09420	0.00140	0.46940	572.0	12.0	580.3	8.3	542.0	23.0	580.3	8.3	1.5
EMB03DZ_106	218.00	0.76	0.78100	0.00690	0.09498	0.00070	0.38097	585.9	3.9	584.9	4.1	586.0	12.0	584.9	4.1	0.2
EMB03DZ_61	163.50	0.54	0.77770	0.00880	0.09524	0.00075	0.57949	584.6	4.9	586.4	4.4	575.0	10.0	586.4	4.4	0.3
EMB03DZ_57	265.00	1.68	0.79100	0.00650	0.09554	0.00073	0.62124	591.6	3.7	588.2	4.3	610.1	6.9	588.2	4.3	0.6
EMB03DZ_113	445.00	1.39	0.80260	0.00560	0.09717	0.00062	0.40632	598.3	3.1	597.8	3.7	606.4	8.2	597.8	3.7	0.1
EMB03DZ_102	87.90	0.64	0.81800	0.01100	0.09729	0.00088	0.30210	606.6	6.0	598.5	5.1	638.0	19.0	598.5	5.1	1.3
EMB03DZ_120	150.30	0.72	0.81640	0.00930	0.09853	0.00078	0.34845	605.8	5.2	605.8	4.6	610.0	14.0	605.8	4.6	0.0
EMB03DZ_121	389.00	1.07	0.81570	0.00490	0.09879	0.00056	0.37645	605.6	2.7	607.3	3.3	595.3	7.9	607.3	3.3	0.3
EMB03DZ_103	88.60	0.62	0.82760	0.00820	0.09899	0.00096	0.22483	612.8	4.7	608.5	5.6	621.0	14.0	608.5	5.6	0.7
EMB03DZ_69	370.00	10.40	0.83200	0.01300	0.09931	0.00088	0.38305	614.4	7.5	610.3	5.2	648.0	29.0	610.3	5.2	0.7
EMB03DZ_89	50.40	0.94	0.83600	0.01400	0.10030	0.00120	0.19987	616.3	7.5	616.0	6.8	631.0	25.0	616.0	6.8	0.0
EMB03DZ_25	245.00	2.03	0.87040	0.00850	0.10243	0.00083	0.53027	635.6	4.6	628.6	4.8	658.0	9.9	628.6	4.8	1.1
EMB03DZ_82	199.20	2.16	0.86570	0.00840	0.10338	0.00083	0.42734	633.1	4.6	634.2	4.8	633.0	14.0	634.2	4.8	0.2
EMB03DZ_91	188.20	1.19	0.86930	0.00760	0.10351	0.00072	0.34117	635.0	4.1	634.9	4.2	626.4	9.3	634.9	4.2	0.0
EMB03DZ_124	95.90	1.18	0.89900	0.01600	0.10537	0.00096	0.13514	650.7	8.3	645.8	5.6	653.0	20.0	645.8	5.6	0.8
EMB03DZ_20	93.40	0.84	0.91400	0.01300	0.10710	0.00120	0.44325	659.7	6.8	656.0	6.8	639.0	15.0	656.0	6.8	0.6
EMB03DZ_98	89.90	0.49	0.94200	0.01400	0.10790	0.00110	0.29443	675.4	7.8	661.3	6.9	696.0	20.0	661.3	6.9	2.1
EMB03DZ_80	101.10	0.43	0.93900	0.01400	0.10980	0.00150	0.63343	672.7	7.1	671.4	8.8	673.0	15.0	671.4	8.8	0.2
EMB03DZ_45	298.00	1.75	0.93400	0.01000	0.11000	0.00120	0.52232	669.7	5.3	672.4	6.8	660.0	8.8	672.4	6.8	0.4
EMB03DZ_14	265.00	3.40	0.98900	0.01100	0.11332	0.00087	0.52279	698.2	5.4	692.0	5.0	719.0	12.0	692.0	5.0	0.9
EMB03DZ_94	263.00	5.81	1.05000	0.03700	0.11680	0.00300	0.62688	729.0	18.0	712.0	18.0	781.0	31.0	712.0	18.0	2.3
EMB03DZ_125	70.30	1.05	1.12800	0.01600	0.12531	0.00080	0.19653	766.2	7.8	761.0	4.6	776.0	19.0	761.0	4.6	0.7
EMB03DZ_105	235.00	0.76	1.14540	0.00960	0.12770	0.00100	0.54844	774.9	4.5	774.9	5.8	776.4	9.2	774.9	5.8	0.0
EMB03DZ_100	138.70	3.58	1.28500	0.01800	0.13570	0.00140	0.44342	838.7	8.0	820.4	8.2	875.0	17.0	820.4	8.2	2.2
EMB03DZ_75	135.00	1.92	1.42500	0.01900	0.14670	0.00130	0.55826	900.6	7.4	882.4	7.3	937.0	13.0	882.4	7.3	2.0
EMB03DZ_22	239.00	5.41	1.45500	0.01800	0.14890	0.00120	0.80172	911.7	7.4	894.5	6.9	949.2	8.8	894.5	6.9	1.9
EMB03DZ_72	130.60	0.93	1.58000	0.01800	0.15590	0.00180	0.64298	962.1	7.1	934.0	10.0	1027.0	13.0	934.0	10.0	2.9
EMB03DZ_123	416.00	2.22	1.57500	0.02300	0.15690	0.00230	0.89007	963.9	9.4	939.0	13.0	1014.9	6.4	939.0	13.0	2.6
EMB03DZ_41	123.80	1.41	1.52300	0.01800	0.15730	0.00100	0.37324	939.2	7.1	941.5	5.7	935.0	14.0	941.5	5.7	0.2
EMB03DZ_53	116.70	0.61	1.61800	0.01800	0.15770	0.00150	0.62498	976.9	7.0	943.9	8.4	1058.9	9.9	943.9	8.4	3.4
EMB03DZ_84	309.00	1.12	1.60800	0.01700	0.15790	0.00160	0.67476	973.2	6.4	945.0	8.7	1047.0	10.0	945.0	8.7	2.9
EMB03DZ_92	116.40	1.53	1.62800	0.02400	0.16220	0.00340	0.68151	980.9	9.2	974.0	17.0	966.0	18.0	966.0	18.0	0.8
EMB03DZ_60	68.10	0.92	1.74100	0.04800	0.17260	0.00390	0.70390	1023.0	18.0	1026.0	22.0	977.0	30.0	977.0	30.0	5.0
EMB03DZ_7	71.40	0.97	1.63900	0.01800	0.16490	0.00170	0.58041	984.8	7.0	983.8	9.7	984.0	12.0	984.0	12.0	0.0
EMB03DZ_15	68.00	1.05	1.71200	0.02100	0.17080	0.00130	0.43479	1012.4	7.9	1016.5	7.4	1002.0	11.0	1002.0	11.0	1.4
EMB03DZ_3	119.10	1.67	1.73100	0.01700	0.17160	0.00160	0.66650	1019.7	6.2	1020.9	8.5	1033.3	7.9	1033.3	7.9	1.2
EMB03DZ_12	10.65	1.01	1.74700	0.03300	0.17330	0.00240	0.05352	1025.0	12.0	1030.0	13.0	1035.0	28.0	1035.0	28.0	0.5
EMB03DZ_81	97.40	1.48	1.75100	0.01900	0.17180	0.00170	0.53143	1027.0	7.0	1022.0	9.3	1037.0	10.0	1037.0	10.0	1.4
EMB03DZ_2	285.00	2.48	1.71800	0.02000	0.16840	0.00210	0.75534	1015.1	7.4	1003.0	12.0	1044.0	8.7	1044.0	8.7	3.9
EMB03DZ_74	163.00	3.31	1.81200	0.01400	0.17720	0.00110	0.47520	1050.1	4.9	1051.7	5.9	1044.7	8.0	1044.7	8.0	0.7
EMB03DZ_83	194.60	1.59	1.72600	0.01400	0.16900	0.00120	0.52233	1018.1	5.3	1006.6	6.9	1047.8	9.1	1047.8	9.1	3.9
EMB03DZ_108	153.60	1.06	1.72100	0.03200	0.16500	0.00300	0.71334	1016.0	12.0	984.0	17.0	1052.0	16.0	1052.0	16.0	6.5
EMB03DZ_87	335.00	1.26	1.80400	0.01400	0.17550	0.00130	0.68809	1046.7	5.2	1042.4	7.1	1055.4	6.3	1055.4	6.3	1.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB03DZ_39	49.60	0.84	1.81300	0.02400	0.17650	0.00190	0.61325	1049.4	8.7	1048.0	10.0	1056.0	12.0	1056.0	12.0	0.8
EMB03DZ_52	81.20	1.43	1.80300	0.02000	0.17570	0.00190	0.76758	1046.0	7.3	1043.0	11.0	1056.5	9.4	1056.5	9.4	1.3
EMB03DZ_126	76.80	1.66	1.81900	0.01900	0.17590	0.00140	0.29416	1052.0	6.6	1044.3	7.9	1059.0	12.0	1059.0	12.0	1.4
EMB03DZ_114	78.00	1.73	1.71300	0.04400	0.16550	0.00280	0.49546	1013.0	17.0	987.0	15.0	1064.0	27.0	1064.0	27.0	7.2
EMB03DZ_8	121.80	2.26	1.87000	0.01300	0.18100	0.00120	0.48477	1070.3	4.6	1072.5	6.4	1069.4	7.9	1069.4	7.9	0.3
EMB03DZ_67	216.90	1.33	1.80800	0.04300	0.17570	0.00380	0.84873	1048.0	15.0	1043.0	21.0	1071.0	14.0	1071.0	14.0	2.6
EMB03DZ_21	220.30	0.96	1.77400	0.01600	0.17020	0.00160	0.73961	1036.4	5.8	1012.9	9.1	1083.0	12.0	1083.0	12.0	6.5
EMB03DZ_11	144.00	0.67	1.88600	0.02400	0.18260	0.00200	0.38415	1075.7	8.3	1083.0	11.0	1083.0	14.0	1083.0	14.0	0.0
EMB03DZ_95	104.20	1.90	1.94100	0.02000	0.18460	0.00240	0.71130	1095.1	6.9	1092.0	13.0	1100.0	11.0	1100.0	11.0	0.7
EMB03DZ_19	113.50	0.71	1.75300	0.02900	0.16680	0.00200	0.72321	1028.0	11.0	994.0	11.0	1102.0	15.0	1102.0	15.0	9.8
EMB03DZ_104	222.00	2.82	1.93600	0.01500	0.18400	0.00140	0.68652	1093.4	5.3	1088.6	7.9	1102.4	8.2	1102.4	8.2	1.3
EMB03DZ_43	213.00	0.70	1.93600	0.01800	0.18370	0.00200	0.60049	1094.4	6.4	1087.0	11.0	1113.0	12.0	1113.0	12.0	2.3
EMB03DZ_65	88.30	0.92	2.12500	0.02400	0.19890	0.00200	0.53210	1157.8	7.9	1169.0	11.0	1131.0	11.0	1131.0	11.0	3.4
EMB03DZ_116	183.80	0.55	1.91200	0.02200	0.17740	0.00250	0.57745	1084.9	7.8	1052.0	14.0	1137.0	15.0	1137.0	15.0	7.5
EMB03DZ_44	174.00	0.71	2.00100	0.01800	0.18600	0.00200	0.60744	1116.5	6.4	1099.0	11.0	1144.0	11.0	1144.0	11.0	3.9
EMB03DZ_118	356.00	1.53	1.98500	0.03000	0.18550	0.00280	0.79867	1110.0	10.0	1097.0	15.0	1147.0	10.0	1147.0	10.0	4.4
EMB03DZ_76	32.00	1.21	1.74600	0.05100	0.16190	0.00400	0.58141	1025.0	19.0	967.0	22.0	1162.0	33.0	1162.0	33.0	16.8
EMB03DZ_13	151.00	0.79	2.22000	0.01400	0.20230	0.00120	0.65800	1188.2	4.4	1187.8	6.4	1188.6	5.7	1188.6	5.7	0.1
EMB03DZ_119	183.10	2.01	2.11200	0.02400	0.19200	0.00190	0.39361	1152.6	7.8	1132.0	10.0	1189.0	11.0	1189.0	11.0	4.8
EMB03DZ_64	31.80	1.98	3.06000	0.26000	0.24700	0.02000	0.95371	1415.0	63.0	1420.0	100.0	1428.0	20.0	1428.0	20.0	0.6
EMB03DZ_4	186.10	1.77	3.40000	0.02000	0.25750	0.00180	0.58648	1504.3	4.6	1477.1	9.4	1544.9	6.1	1544.9	6.1	4.4
EMB03DZ_58	64.90	1.35	4.23000	0.03400	0.29590	0.00210	0.20980	1680.5	6.3	1671.0	10.0	1694.7	9.4	1694.7	9.4	1.4
EMB03DZ_33	44.90	0.63	4.62700	0.04300	0.31300	0.00330	0.69520	1754.7	7.5	1755.0	16.0	1745.9	7.6	1745.9	7.6	0.5
EMB03DZ_73	252.00	0.63	4.65200	0.02300	0.31300	0.00150	0.59687	1759.0	4.0	1755.6	7.3	1763.3	4.1	1763.3	4.1	0.4
EMB03DZ_47	48.60	0.51	6.17000	0.04900	0.36540	0.00310	0.38434	2000.0	7.0	2007.0	14.0	1986.2	9.5	1986.2	9.5	1.0
EMB03DZ_54	356.60	1.26	5.83700	0.07400	0.33970	0.00480	0.94615	1951.0	11.0	1884.0	23.0	2020.1	4.2	2020.1	4.2	6.7
EMB03DZ_101	152.50	1.62	6.41800	0.06100	0.36440	0.00390	0.80550	2034.6	8.3	2003.0	18.0	2056.1	6.5	2056.1	6.5	2.6
EMB03DZ_6	81.80	0.87	6.36900	0.04500	0.36340	0.00300	0.56097	2027.7	6.2	1998.0	14.0	2062.9	7.2	2062.9	7.2	3.1
EMB03DZ_109	201.50	1.61	6.69700	0.04700	0.37080	0.00370	0.72237	2072.1	6.2	2033.0	17.0	2103.8	7.0	2103.8	7.0	3.4
EMB03DZ_90	48.50	0.16	7.44900	0.06700	0.40020	0.00360	0.64275	2166.5	8.1	2170.0	17.0	2157.8	9.0	2157.8	9.0	0.6
EMB03DZ_99	13.14	1.72	7.23000	0.13000	0.38880	0.00700	0.29482	2142.0	17.0	2117.0	33.0	2171.0	33.0	2171.0	33.0	2.5
EMB03DZ_23	48.30	2.25	7.50200	0.08400	0.39750	0.00430	0.68710	2173.0	10.0	2157.0	20.0	2181.0	9.8	2181.0	9.8	1.1
EMB03DZ_35	216.00	1.67	11.21000	0.15000	0.46850	0.00650	0.92797	2540.0	13.0	2476.0	28.0	2587.5	4.8	2587.5	4.8	4.3
EMB03DZ_97	633.00	2.18	11.64000	0.20000	0.47870	0.00820	0.82804	2576.0	16.0	2520.0	36.0	2616.6	9.0	2616.6	9.0	3.7
EMB03DZ_10	145.10	1.42	10.70700	0.06000	0.43040	0.00270	0.80521	2497.9	5.2	2308.0	12.0	2656.2	4.0	2656.2	4.0	13.1
EMB03DZ_17	180.00	1.17	13.32000	0.08800	0.52310	0.00390	0.76570	2702.2	6.3	2714.0	17.0	2691.6	4.8	2691.6	4.8	0.8
EMB05DZ: Emborozu Fm., Late Miocene (n=113), (22.31°S, 64.52°W)																
EMB05DZ_34	478.00	0.81	0.01068	0.00046	0.00170	0.00004	0.26467	10.8	0.5	11.0	0.2	205.0	63.0	11.0	0.2	1.7
EMB05DZ_66	359.00	1.87	0.01259	0.00051	0.00198	0.00005	0.06820	12.7	0.5	12.8	0.3	257.0	62.0	12.8	0.3	0.6
EMB05DZ_29	628.00	0.98	0.02302	0.00089	0.00295	0.00005	0.25625	23.1	0.9	19.0	0.3	503.0	62.0	19.0	0.3	17.8
EMB05DZ_45	946.00	4.12	0.02015	0.00056	0.00309	0.00004	0.27556	20.3	0.6	19.9	0.3	149.0	35.0	19.9	0.3	1.9
EMB05DZ_84	279.00	1.70	0.02460	0.00110	0.00338	0.00012	0.01559	24.7	1.0	21.8	0.8	341.0	58.0	21.8	0.8	11.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB05DZ_113	297.00	0.93	0.30400	0.00650	0.04188	0.00077	0.63850	269.4	5.0	264.5	4.8	330.0	21.0	264.5	4.8	1.8
EMB05DZ_19	451.00	1.44	0.30140	0.00370	0.04202	0.00049	0.67291	267.4	2.9	265.3	3.0	298.0	14.0	265.3	3.0	0.8
EMB05DZ_1	165.00	0.47	0.32780	0.00410	0.04529	0.00058	0.31882	287.8	3.1	285.5	3.6	354.0	20.0	285.5	3.6	0.8
EMB05DZ_24	1590.00	2.47	0.46800	0.01600	0.05850	0.00200	0.79732	390.0	11.0	367.0	12.0	529.0	16.0	367.0	12.0	5.9
EMB05DZ_109	314.70	1.31	0.46200	0.01100	0.06090	0.00130	0.76729	385.2	7.5	381.0	8.0	438.0	20.0	381.0	8.0	1.1
EMB05DZ_77	77.90	0.73	0.48100	0.01000	0.06170	0.00100	0.38156	398.4	6.9	387.1	6.1	485.0	25.0	387.1	6.1	2.8
EMB05DZ_57	374.00	1.56	0.53300	0.01000	0.06700	0.00120	0.56541	433.4	6.8	418.1	7.4	518.0	19.0	418.1	7.4	3.5
EMB05DZ_111	386.00	0.88	0.56400	0.00520	0.07240	0.00064	0.42723	454.6	3.5	450.6	3.9	482.0	12.0	450.6	3.9	0.9
EMB05DZ_46	123.40	1.86	0.59930	0.00830	0.07507	0.00080	0.17988	477.4	5.2	466.6	4.8	505.0	18.0	466.6	4.8	2.3
EMB05DZ_87	75.34	1.22	0.58590	0.00800	0.07576	0.00071	0.16354	468.0	5.1	470.7	4.3	465.0	16.0	470.7	4.3	0.6
EMB05DZ_25	129.60	1.01	0.59300	0.01100	0.07580	0.00120	0.61573	472.7	7.2	471.2	7.3	501.0	24.0	471.2	7.3	0.3
EMB05DZ_103	265.00	1.59	0.59240	0.00700	0.07608	0.00092	0.76648	472.2	4.4	472.6	5.5	478.1	9.8	472.6	5.5	0.1
EMB05DZ_70	330.40	6.91	0.59450	0.00860	0.07606	0.00092	0.59759	473.5	5.5	473.3	5.6	470.0	12.0	473.3	5.6	0.0
EMB05DZ_72	298.00	9.90	0.60200	0.00880	0.07788	0.00098	0.47787	478.4	5.5	483.4	5.9	452.0	16.0	483.4	5.9	1.0
EMB05DZ_5	675.00	2.70	0.71200	0.05000	0.07820	0.00140	0.35494	546.0	29.0	485.5	8.2	820.0	140.0	485.5	8.2	11.1
EMB05DZ_37	190.40	1.85	0.62160	0.00780	0.07880	0.00110	0.37632	490.7	4.9	488.8	6.4	517.0	17.0	488.8	6.4	0.4
EMB05DZ_95	254.00	3.42	0.62750	0.00730	0.08091	0.00074	0.40229	494.4	4.6	501.5	4.4	468.0	15.0	501.5	4.4	1.4
EMB05DZ_33	161.40	1.03	0.65870	0.00920	0.08101	0.00076	0.24719	513.6	5.6	502.2	4.6	555.0	18.0	502.2	4.6	2.2
EMB05DZ_92	77.70	1.21	0.67400	0.01100	0.08110	0.00093	0.39760	523.7	6.3	502.7	5.5	619.0	19.0	502.7	5.5	4.0
EMB05DZ_56	213.70	0.87	0.66510	0.00920	0.08240	0.00120	0.58106	517.7	5.7	510.7	7.4	533.0	20.0	510.7	7.4	1.4
EMB05DZ_93	143.20	1.10	0.65700	0.01600	0.08250	0.00180	0.83707	512.4	9.7	511.0	10.0	539.0	16.0	511.0	10.0	0.3
EMB05DZ_78	341.00	4.08	0.67510	0.00640	0.08314	0.00075	0.36968	524.3	4.0	514.8	4.4	568.0	13.0	514.8	4.4	1.8
EMB05DZ_104	1387.00	0.95	0.70120	0.00570	0.08412	0.00077	0.79031	539.4	3.4	520.6	4.6	621.4	6.7	520.6	4.6	3.5
EMB05DZ_62	60.80	1.07	0.71200	0.01600	0.08450	0.00110	0.19711	545.2	9.2	522.9	6.6	660.0	27.0	522.9	6.6	4.1
EMB05DZ_96	151.00	1.04	0.68210	0.00880	0.08526	0.00084	0.40668	527.8	5.3	527.4	5.0	538.0	13.0	527.4	5.0	0.1
EMB05DZ_68	317.00	3.76	0.69920	0.00730	0.08710	0.00090	0.63145	538.1	4.3	538.3	5.3	542.0	11.0	538.3	5.3	0.0
EMB05DZ_65	229.00	1.57	0.70610	0.00720	0.08710	0.00100	0.32468	542.3	4.3	538.4	5.9	559.0	18.0	538.4	5.9	0.7
EMB05DZ_89	148.70	0.73	0.68800	0.01100	0.08737	0.00092	0.52668	531.4	6.5	539.9	5.4	520.0	14.0	539.9	5.4	1.6
EMB05DZ_60	201.70	1.43	0.71400	0.00680	0.08836	0.00060	0.40544	547.0	4.0	545.8	3.6	550.0	12.0	545.8	3.6	0.2
EMB05DZ_42	190.80	0.94	0.72590	0.00890	0.08862	0.00094	0.28076	553.9	5.2	547.3	5.6	581.0	14.0	547.3	5.6	1.2
EMB05DZ_59	245.00	1.19	0.71900	0.01100	0.08900	0.00110	0.42166	549.8	6.3	549.5	6.6	567.0	14.0	549.5	6.6	0.1
EMB05DZ_32	52.70	2.10	0.73800	0.01700	0.08980	0.00110	0.12059	562.0	10.0	554.2	6.6	595.0	24.0	554.2	6.6	1.4
EMB05DZ_115	109.20	0.86	0.74400	0.01200	0.09080	0.00130	0.35743	564.3	7.3	560.2	7.9	590.0	20.0	560.2	7.9	0.7
EMB05DZ_102	85.40	0.87	0.75200	0.01200	0.09090	0.00100	0.40828	569.1	6.7	560.6	5.9	605.0	18.0	560.6	5.9	1.5
EMB05DZ_48	215.00	0.90	0.76000	0.02600	0.09138	0.00078	0.05976	573.0	14.0	563.7	4.6	573.0	36.0	563.7	4.6	1.6
EMB05DZ_22	782.00	3.18	0.77060	0.00620	0.09167	0.00081	0.72061	580.6	3.7	565.4	4.8	641.9	7.5	565.4	4.8	2.6
EMB05DZ_30	137.60	1.68	0.75400	0.01300	0.09330	0.00120	0.49039	568.8	7.4	574.8	7.3	538.0	15.0	574.8	7.3	1.1
EMB05DZ_81	191.90	1.08	0.75640	0.00920	0.09337	0.00094	0.66412	572.4	5.5	575.4	5.5	569.0	12.0	575.4	5.5	0.5
EMB05DZ_99	139.10	1.58	0.76340	0.00850	0.09380	0.00083	0.39329	576.4	5.0	577.9	4.9	558.0	14.0	577.9	4.9	0.3
EMB05DZ_116	402.00	0.83	0.78880	0.00780	0.09382	0.00077	0.46388	590.3	4.4	578.1	4.6	640.8	9.7	578.1	4.6	2.1
EMB05DZ_52	255.00	2.07	0.77460	0.00830	0.09391	0.00091	0.55769	582.2	4.8	578.6	5.4	597.0	13.0	578.6	5.4	0.6
EMB05DZ_110	254.00	1.12	0.77180	0.00790	0.09430	0.00110	0.67418	581.2	4.6	581.2	6.3	570.8	8.5	581.2	6.3	0.0
EMB05DZ_11	103.10	1.40	0.78000	0.01000	0.09497	0.00078	0.01036	585.1	5.8	584.8	4.6	588.0	14.0	584.8	4.6	0.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB05DZ_94	61.50	0.38	0.79000	0.01400	0.09500	0.00110	0.17265	590.4	7.8	585.3	6.5	614.0	28.0	585.3	6.5	0.9
EMB05DZ_9	82.40	1.26	0.78870	0.00980	0.09544	0.00089	0.38764	590.9	5.7	587.6	5.3	608.0	13.0	587.6	5.3	0.6
EMB05DZ_79	188.10	1.65	0.78530	0.00820	0.09570	0.00088	0.55486	588.3	4.6	589.1	5.2	584.0	11.0	589.1	5.2	0.1
EMB05DZ_67	1720.00	1.92	0.82110	0.00600	0.09584	0.00066	0.81491	608.6	3.3	590.0	3.9	675.0	4.3	590.0	3.9	3.1
EMB05DZ_86	100.80	0.91	0.81100	0.01200	0.09680	0.00130	0.37871	604.2	7.1	595.6	7.5	643.0	25.0	595.6	7.5	1.4
EMB05DZ_55	328.60	2.53	0.81440	0.00930	0.09682	0.00082	0.66431	604.7	5.2	595.7	4.8	621.3	9.7	595.7	4.8	1.5
EMB05DZ_63	693.00	5.52	0.94900	0.02900	0.09700	0.00170	0.53015	678.0	15.0	597.0	10.0	922.0	37.0	597.0	10.0	11.9
EMB05DZ_90	235.50	0.65	0.86500	0.01400	0.09710	0.00110	0.27886	632.3	7.4	597.3	6.6	770.0	32.0	597.3	6.6	5.5
EMB05DZ_80	205.70	1.19	0.85110	0.00840	0.10120	0.00100	0.40027	625.8	4.8	621.2	6.1	653.0	16.0	621.2	6.1	0.7
EMB05DZ_97	159.40	2.61	0.90200	0.01400	0.10370	0.00120	0.65856	653.4	7.5	635.8	7.3	713.0	16.0	635.8	7.3	2.7
EMB05DZ_91	232.00	0.70	0.90300	0.01600	0.10380	0.00110	0.41811	653.7	8.7	636.8	6.3	720.0	27.0	636.8	6.3	2.6
EMB05DZ_27	51.00	0.60	0.89800	0.01700	0.10550	0.00130	0.30391	650.0	9.2	646.4	7.4	663.0	27.0	646.4	7.4	0.6
EMB05DZ_20	181.00	0.65	0.89360	0.00980	0.10610	0.00120	0.58414	648.1	5.2	649.7	6.9	651.5	8.7	649.7	6.9	0.2
EMB05DZ_26	60.70	0.69	0.89400	0.01000	0.10690	0.00110	0.30831	648.4	5.5	654.7	6.1	633.0	14.0	654.7	6.1	1.0
EMB05DZ_108	236.00	1.73	0.91500	0.01200	0.10750	0.00110	0.41166	659.1	6.2	658.0	6.6	667.0	13.0	658.0	6.6	0.2
EMB05DZ_8	144.00	1.66	0.93000	0.01300	0.10946	0.00094	0.48397	667.0	6.7	669.6	5.4	663.0	17.0	669.6	5.4	0.4
EMB05DZ_15	93.40	1.42	0.92000	0.01100	0.11040	0.00110	0.30723	662.0	5.6	674.8	6.3	609.0	14.0	674.8	6.3	1.9
EMB05DZ_58	175.00	1.47	1.02400	0.00850	0.11676	0.00087	0.25248	716.5	4.1	711.9	5.0	724.8	8.8	711.9	5.0	0.6
EMB05DZ_82	81.50	1.15	1.10100	0.02800	0.11800	0.00300	0.44629	754.0	14.0	719.0	17.0	864.0	28.0	719.0	17.0	4.6
EMB05DZ_106	378.00	0.41	1.07640	0.00730	0.12174	0.00090	0.67564	741.8	3.6	740.5	5.1	746.5	7.3	740.5	5.1	0.2
EMB05DZ_76	179.60	0.97	1.15800	0.01600	0.12380	0.00130	0.46366	780.5	7.3	752.1	7.7	867.0	20.0	752.1	7.7	3.6
EMB05DZ_31	57.30	1.49	1.12900	0.02400	0.12490	0.00250	0.59922	768.0	11.0	759.0	14.0	801.0	22.0	759.0	14.0	1.2
EMB05DZ_69	249.00	1.89	1.12100	0.01300	0.12540	0.00140	0.62650	763.1	6.3	761.5	8.2	776.4	8.9	761.5	8.2	0.2
EMB05DZ_38	138.40	2.99	1.15700	0.01500	0.12870	0.00180	0.21539	780.2	7.1	780.0	10.0	780.0	18.0	780.0	10.0	0.0
EMB05DZ_54	182.00	1.37	1.18400	0.01200	0.13100	0.00120	0.61708	793.0	5.4	793.6	6.7	786.0	11.0	793.6	6.7	0.1
EMB05DZ_47	31.90	1.42	1.30700	0.02900	0.13560	0.00200	0.22712	848.0	13.0	820.0	11.0	926.0	41.0	820.0	11.0	3.3
EMB05DZ_4	201.00	1.39	1.22900	0.01600	0.13640	0.00140	0.50322	813.4	7.1	824.0	7.8	789.0	9.3	824.0	7.8	1.3
EMB05DZ_107	359.00	1.95	1.40600	0.01600	0.14260	0.00180	0.65877	891.3	6.6	859.0	10.0	976.0	15.0	859.0	10.0	3.6
EMB05DZ_74	146.00	2.57	1.41100	0.02400	0.14470	0.00210	0.86924	893.0	10.0	873.0	12.0	934.9	9.0	873.0	12.0	2.2
EMB05DZ_12	234.00	2.76	1.32800	0.01400	0.14740	0.00190	0.66718	857.9	5.9	887.0	10.0	791.3	8.1	887.0	10.0	3.4
EMB05DZ_36	180.00	1.21	1.68300	0.01800	0.16890	0.00150	0.67330	1002.4	7.1	1006.0	8.1	988.0	8.9	988.0	8.9	1.8
EMB05DZ_43	334.00	8.59	1.75500	0.02200	0.17320	0.00250	0.94596	1030.6	8.2	1029.0	14.0	1021.8	5.2	1021.8	5.2	0.7
EMB05DZ_2	89.00	0.61	1.73100	0.02200	0.17080	0.00180	0.64810	1020.9	8.3	1017.0	10.0	1032.0	11.0	1032.0	11.0	1.5
EMB05DZ_44	57.40	1.11	1.71900	0.02800	0.16880	0.00270	0.55492	1015.0	11.0	1005.0	15.0	1035.0	18.0	1035.0	18.0	2.9
EMB05DZ_51	30.50	1.48	1.77500	0.03500	0.17620	0.00320	0.32908	1037.0	12.0	1046.0	17.0	1035.0	23.0	1035.0	23.0	1.1
EMB05DZ_50	177.20	0.91	1.77900	0.02000	0.17430	0.00220	0.68962	1037.5	7.5	1035.0	12.0	1038.0	11.0	1038.0	11.0	0.3
EMB05DZ_23	63.60	1.67	1.77200	0.02700	0.17530	0.00260	0.52396	1034.6	9.9	1041.0	14.0	1041.0	14.0	1041.0	14.0	0.0
EMB05DZ_10	107.40	0.82	1.84900	0.01800	0.18030	0.00150	0.55514	1064.5	6.3	1068.3	8.5	1052.5	9.8	1052.5	9.8	1.5
EMB05DZ_6	242.00	1.17	1.75300	0.01900	0.17110	0.00190	0.67479	1028.2	7.0	1018.0	10.0	1057.0	10.0	1057.0	10.0	3.7
EMB05DZ_88	104.40	1.15	1.82700	0.02400	0.17760	0.00170	0.36156	1057.1	8.3	1053.8	9.1	1065.0	14.0	1065.0	14.0	1.1
EMB05DZ_73	40.30	1.02	1.71600	0.03200	0.16450	0.00250	0.69136	1015.0	12.0	982.0	14.0	1081.0	14.0	1081.0	14.0	9.2
EMB05DZ_114	101.00	1.38	1.96400	0.02000	0.18930	0.00190	0.67778	1102.8	6.7	1117.0	10.0	1083.7	7.9	1083.7	7.9	3.1
EMB05DZ_3	351.00	1.63	1.86700	0.01600	0.17980	0.00180	0.77759	1069.2	5.5	1065.8	9.6	1087.1	4.7	1087.1	4.7	2.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
EMB05DZ_21	78.10	1.09	1.97300	0.02700	0.18790	0.00290	0.56751	1106.0	9.4	1110.0	16.0	1089.0	11.0	1089.0	11.0	1.9
EMB05DZ_112	106.80	1.01	1.90700	0.02200	0.18240	0.00180	0.58829	1082.9	7.6	1079.8	9.8	1093.0	12.0	1093.0	12.0	1.2
EMB05DZ_41	83.50	1.55	2.00800	0.02500	0.18880	0.00200	0.54041	1117.8	8.6	1115.0	11.0	1109.0	12.0	1109.0	12.0	0.5
EMB05DZ_98	352.00	2.86	1.88300	0.01800	0.17900	0.00170	0.75084	1075.0	6.5	1061.5	9.2	1114.1	5.7	1114.1	5.7	4.7
EMB05DZ_105	53.00	2.02	2.08300	0.02200	0.19280	0.00150	0.40736	1142.8	7.2	1136.4	8.3	1154.0	10.0	1154.0	10.0	1.5
EMB05DZ_49	153.60	0.69	2.29900	0.01700	0.20400	0.00160	0.49297	1212.5	5.4	1196.7	8.8	1223.4	8.3	1223.4	8.3	2.2
EMB05DZ_83	69.60	0.79	2.43800	0.03900	0.20860	0.00280	0.67962	1255.0	12.0	1221.0	15.0	1304.0	14.0	1304.0	14.0	6.4
EMB05DZ_71	139.10	1.49	2.82300	0.03500	0.23580	0.00320	0.83451	1362.3	9.6	1365.0	17.0	1357.7	8.6	1357.7	8.6	0.5
EMB05DZ_16	105.40	1.51	3.22100	0.03100	0.24910	0.00220	0.54849	1462.0	7.3	1434.0	11.0	1491.1	9.5	1491.1	9.5	3.8
EMB05DZ_13	303.00	1.77	2.66400	0.03600	0.20410	0.00200	0.88158	1318.1	9.9	1197.0	10.0	1512.2	7.3	1512.2	7.3	20.8
EMB05DZ_28	87.10	0.74	4.83300	0.04200	0.32530	0.00310	0.68065	1791.4	7.1	1815.0	15.0	1760.7	6.7	1760.7	6.7	3.1
EMB05DZ_40	257.00	0.92	3.97400	0.04800	0.26110	0.00350	0.94262	1628.2	9.7	1495.0	18.0	1799.7	5.0	1799.7	5.0	16.9
EMB05DZ_100	113.10	1.33	4.73400	0.05700	0.31260	0.00290	0.66395	1773.0	10.0	1753.0	14.0	1809.0	12.0	1809.0	12.0	3.1
EMB05DZ_61	189.00	0.50	4.70100	0.06300	0.30340	0.00350	0.82226	1769.0	11.0	1708.0	17.0	1838.0	7.2	1838.0	7.2	7.1
EMB05DZ_35	295.00	1.48	5.93300	0.05400	0.35010	0.00300	0.85231	1965.5	7.9	1935.0	14.0	2003.6	6.1	2003.6	6.1	3.4
EMB05DZ_64	429.50	1.86	6.35100	0.08100	0.36630	0.00440	0.93187	2024.0	11.0	2012.0	21.0	2035.9	3.6	2035.9	3.6	1.2
EMB05DZ_53	58.20	0.24	7.07400	0.06700	0.39650	0.00370	0.42362	2121.9	8.7	2153.0	17.0	2077.3	8.9	2077.3	8.9	3.6
EMB05DZ_14	103.60	1.27	7.83200	0.07600	0.40910	0.00400	0.93934	2211.3	8.7	2210.0	19.0	2216.1	5.8	2216.1	5.8	0.3
EMB05DZ_18	26.10	0.72	8.26500	0.07800	0.42000	0.00460	0.55060	2259.8	8.6	2260.0	21.0	2268.0	10.0	2268.0	10.0	0.4
EMB05DZ_101	330.00	1.38	9.55000	0.10000	0.43600	0.00470	0.84713	2391.7	9.7	2332.0	21.0	2446.1	5.8	2446.1	5.8	4.7
EMB05DZ_17	142.70	1.45	12.13000	0.10000	0.49430	0.00460	0.77029	2613.8	7.7	2589.0	20.0	2640.2	5.3	2640.2	5.3	1.9
EMB05DZ_75	122.00	1.28	23.19000	0.28000	0.62230	0.00760	0.90568	3234.0	12.0	3118.0	30.0	3302.8	4.7	3302.8	4.7	5.6
ENTRE RIOS																
RSA10: Petaca Fm., Pre-Neogene (n=111), (21.51°S, 64.22°W)																
RSA10_25	280.00	3.71	0.15240	0.00760	0.02109	0.00085	0.26605	143.6	6.7	134.5	5.4	280.0	110.0	134.5	5.4	6.3
RSA10_80	172.50	1.08	0.20500	0.01200	0.02753	0.00067	0.02181	188.4	9.7	175.0	4.2	310.0	120.0	175.0	4.2	7.1
RSA10_14	369.00	0.76	0.23400	0.01000	0.02976	0.00097	0.37764	212.9	8.5	189.0	6.1	452.0	97.0	189.0	6.1	11.2
RSA10_15	211.00	1.24	0.42600	0.03700	0.04083	0.00090	0.20318	354.0	25.0	257.9	5.5	930.0	160.0	257.9	5.5	27.1
RSA10_17	74.00	3.04	0.37800	0.02300	0.04370	0.00230	0.31055	323.0	17.0	275.0	14.0	650.0	150.0	275.0	14.0	14.9
RSA10_43	543.00	1.00	0.32460	0.00790	0.04468	0.00076	0.24979	285.1	6.0	281.7	4.7	303.0	55.0	281.7	4.7	1.2
RSA10_13	119.50	1.37	0.34400	0.01900	0.04550	0.00140	0.23865	298.0	14.0	287.7	8.4	410.0	120.0	287.7	8.4	3.5
RSA10_26	222.00	1.46	0.47200	0.02600	0.04800	0.00100	0.05467	390.0	17.0	302.5	6.2	880.0	110.0	302.5	6.2	22.4
RSA10_11	1380.00	2.78	1.22300	0.05400	0.05260	0.00320	0.48498	810.0	25.0	331.0	19.0	2554.0	70.0	331.0	19.0	59.1
RSA10_23	438.00	1.70	0.50600	0.01100	0.06550	0.00110	0.21354	416.0	6.9	409.1	6.8	432.0	55.0	409.1	6.8	1.7
RSA10_44	392.00	1.56	0.60500	0.01800	0.06660	0.00110	0.00921	481.0	12.0	415.8	6.4	812.0	77.0	415.8	6.4	13.6
RSA10_98	406.50	8.35	0.71200	0.02700	0.06870	0.00190	0.52700	547.0	16.0	428.0	11.0	1099.0	61.0	428.0	11.0	21.8
RSA10_57	145.00	1.17	0.67800	0.02200	0.07870	0.00140	0.16149	524.0	13.0	488.2	8.6	708.0	80.0	488.2	8.6	6.8
RSA10_7	362.00	5.40	0.63700	0.01500	0.07960	0.00110	0.35685	501.0	9.0	493.4	6.6	540.0	52.0	493.4	6.6	1.5
RSA10_95	260.00	2.24	0.65500	0.01900	0.08050	0.00190	0.30579	510.0	12.0	499.0	11.0	608.0	70.0	499.0	11.0	2.2
RSA10_40	645.00	5.02	0.91200	0.03500	0.08170	0.00230	0.71001	655.0	18.0	506.0	14.0	1180.0	54.0	506.0	14.0	22.7
RSA10_97	641.00	8.06	0.88200	0.05100	0.08110	0.00470	0.59661	638.0	27.0	506.0	27.0	1190.0	100.0	506.0	27.0	20.7
RSA10_41	122.80	1.13	0.67300	0.02200	0.08210	0.00160	0.15634	523.0	13.0	508.6	9.5	589.0	80.0	508.6	9.5	2.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RSA10_52	29.40	1.57	0.78900	0.05300	0.08440	0.00260	0.10165	582.0	29.0	522.0	15.0	860.0	150.0	522.0	15.0	10.3
RSA10_92	361.00	4.33	0.68900	0.01400	0.08530	0.00140	0.23829	532.5	8.2	527.5	8.4	561.0	45.0	527.5	8.4	0.9
RSA10_45	216.00	1.16	0.69700	0.02000	0.08600	0.00130	0.27641	536.0	12.0	531.9	7.4	527.0	68.0	531.9	7.4	0.8
RSA10_37	125.50	1.46	0.70400	0.02400	0.08610	0.00210	0.32993	543.0	15.0	532.0	12.0	591.0	75.0	532.0	12.0	2.0
RSA10_50	471.00	6.87	0.67400	0.01100	0.08630	0.00130	0.14277	523.6	6.7	533.4	7.6	482.0	42.0	533.4	7.6	1.9
RSA10_47	61.00	0.76	0.77400	0.04000	0.08660	0.00270	0.22636	578.0	23.0	535.0	16.0	750.0	110.0	535.0	16.0	7.4
RSA10_5	173.00	2.17	0.70500	0.02000	0.08690	0.00160	0.21397	541.0	12.0	537.1	9.5	577.0	60.0	537.1	9.5	0.7
RSA10_42	90.00	2.30	0.71800	0.02700	0.08810	0.00180	0.13601	551.0	15.0	546.0	10.0	527.0	86.0	546.0	10.0	0.9
RSA10_27	183.00	1.45	0.73900	0.02500	0.08860	0.00210	0.45911	562.0	14.0	549.0	12.0	575.0	57.0	549.0	12.0	2.3
RSA10_79	322.00	1.61	0.75000	0.02100	0.08950	0.00210	0.36419	567.0	12.0	552.0	12.0	606.0	64.0	552.0	12.0	2.6
RSA10_116	849.00	3.33	0.73400	0.01100	0.08970	0.00100	0.40937	559.3	6.3	553.5	6.2	622.0	33.0	553.5	6.2	1.0
RSA10_62	327.00	0.79	1.39700	0.07000	0.09090	0.00190	0.50620	887.0	31.0	561.0	11.0	1829.0	71.0	561.0	11.0	36.8
RSA10_46	52.50	1.45	0.92000	0.07600	0.09200	0.00280	0.40517	656.0	42.0	567.0	16.0	970.0	170.0	567.0	16.0	13.6
RSA10_67	539.00	3.28	0.78900	0.01900	0.09230	0.00210	0.61308	590.0	11.0	569.0	12.0	677.0	47.0	569.0	12.0	3.6
RSA10_28	370.00	1.08	0.75200	0.01600	0.09240	0.00150	0.40436	568.5	9.3	570.6	8.4	609.0	41.0	570.6	8.4	0.4
RSA10_9	199.00	1.58	0.76800	0.01800	0.09410	0.00170	0.42717	577.0	10.0	579.4	9.9	552.0	50.0	579.4	9.9	0.4
RSA10_24	186.00	1.34	0.82500	0.02800	0.09440	0.00210	0.02341	608.0	15.0	581.0	12.0	690.0	69.0	581.0	12.0	4.4
RSA10_115	381.00	15.10	0.76000	0.01400	0.09496	0.00098	0.18524	574.3	8.1	584.8	5.8	569.0	40.0	584.8	5.8	1.8
RSA10_86	224.00	1.64	0.81600	0.01900	0.09500	0.00160	0.29180	605.0	10.0	586.2	9.0	676.0	48.0	586.2	9.0	3.1
RSA10_96	129.30	0.86	0.86700	0.03000	0.09650	0.00230	0.18245	632.0	16.0	593.0	13.0	776.0	75.0	593.0	13.0	6.2
RSA10_63	372.00	2.29	0.81500	0.02300	0.09700	0.00210	0.75397	605.0	13.0	597.0	12.0	675.0	39.0	597.0	12.0	1.3
RSA10_61	221.00	1.38	0.79200	0.02100	0.09810	0.00180	0.36941	591.0	12.0	603.0	11.0	554.0	59.0	603.0	11.0	2.0
RSA10_93	59.10	1.13	1.00100	0.05100	0.10120	0.00350	0.19087	699.0	26.0	621.0	21.0	990.0	110.0	621.0	21.0	11.2
RSA10_34	296.00	1.87	0.82500	0.02000	0.10100	0.00170	0.20421	610.0	11.0	621.4	9.8	603.0	60.0	621.4	9.8	1.9
RSA10_66	176.80	0.41	0.91400	0.03000	0.10320	0.00340	0.10224	657.0	16.0	633.0	20.0	735.0	68.0	633.0	20.0	3.7
RSA10_39	406.00	10.81	0.88400	0.03800	0.10330	0.00260	0.17292	642.0	20.0	634.0	15.0	740.0	100.0	634.0	15.0	1.2
RSA10_30	297.10	17.50	0.89200	0.02400	0.10380	0.00250	0.50546	648.0	13.0	636.0	15.0	721.0	48.0	636.0	15.0	1.9
RSA10_104	217.20	1.08	0.90800	0.02000	0.10400	0.00170	0.39227	655.0	11.0	637.0	10.0	713.0	46.0	637.0	10.0	2.7
RSA10_71	208.00	3.28	0.89300	0.02500	0.10400	0.00230	0.17771	647.0	14.0	638.0	14.0	665.0	75.0	638.0	14.0	1.4
RSA10_74	297.90	3.73	1.01900	0.02900	0.10440	0.00210	0.46913	712.0	14.0	640.0	12.0	908.0	56.0	640.0	12.0	10.1
RSA10_65	419.00	6.81	0.90100	0.02800	0.10510	0.00400	0.49746	653.0	15.0	644.0	23.0	685.0	83.0	644.0	23.0	1.4
RSA10_2	206.50	2.60	0.95000	0.02900	0.10960	0.00260	0.24600	676.0	15.0	670.0	15.0	691.0	71.0	670.0	15.0	0.9
RSA10_83	337.00	7.06	1.24100	0.03300	0.11810	0.00270	0.61027	822.0	15.0	719.0	15.0	1109.0	37.0	719.0	15.0	12.5
RSA10_32	315.00	2.53	1.03900	0.02000	0.11820	0.00190	0.50241	725.0	9.7	720.0	11.0	749.0	42.0	720.0	11.0	0.7
RSA10_4	510.00	3.36	1.82200	0.02900	0.12110	0.00250	0.76413	1052.0	10.0	737.0	14.0	1766.0	23.0	737.0	14.0	29.9
RSA10_84	358.00	9.10	1.11400	0.03800	0.12440	0.00300	0.85240	759.0	18.0	756.0	17.0	753.0	35.0	756.0	17.0	0.4
RSA10_53	129.80	1.29	1.16800	0.03400	0.12960	0.00280	0.04990	786.0	17.0	787.0	16.0	812.0	71.0	787.0	16.0	0.1
RSA10_102	101.00	1.44	1.31400	0.05500	0.13220	0.00280	0.35786	847.0	24.0	800.0	16.0	998.0	80.0	800.0	16.0	5.5
RSA10_1	35.20	0.42	1.52000	0.11000	0.13610	0.00410	0.46386	942.0	43.0	822.0	24.0	1260.0	120.0	822.0	24.0	12.7
RSA10_20	69.40	1.17	1.37800	0.04600	0.14250	0.00340	0.04953	877.0	20.0	858.0	19.0	902.0	78.0	858.0	19.0	2.2
RSA10_12	291.00	2.79	1.68000	0.03800	0.14590	0.00350	0.48053	1000.0	14.0	878.0	20.0	1277.0	52.0	878.0	20.0	12.2
RSA10_88	57.40	2.57	1.46200	0.05200	0.14840	0.00290	0.29241	916.0	22.0	894.0	17.0	958.0	73.0	894.0	17.0	2.4
RSA10_110	196.60	1.37	1.52400	0.03200	0.16080	0.00260	0.43508	939.0	13.0	961.0	14.0	915.0	40.0	915.0	14.0	2.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RSA10_8	235.00	2.21	1.51700	0.03500	0.15470	0.00250	0.43807	940.0	13.0	927.0	14.0	957.0	43.0	927.0	14.0	1.4
RSA10_64	45.60	2.94	1.76400	0.06600	0.15440	0.00490	0.18098	1027.0	25.0	933.0	27.0	1270.0	94.0	933.0	27.0	9.2
RSA10_33	139.40	2.10	1.54700	0.04000	0.15600	0.00290	0.38001	947.0	16.0	934.0	16.0	1039.0	49.0	934.0	16.0	1.4
RSA10_105	193.00	4.15	1.63100	0.04400	0.16230	0.00520	0.69599	985.0	16.0	968.0	29.0	1030.0	47.0	1030.0	47.0	6.0
RSA10_107	476.00	2.22	1.78400	0.02400	0.17440	0.00300	0.36370	1042.6	8.3	1036.0	16.0	1037.0	32.0	1037.0	32.0	0.1
RSA10_113	158.00	1.76	1.93600	0.05100	0.19250	0.00430	0.59614	1091.0	17.0	1134.0	23.0	1048.0	38.0	1048.0	38.0	8.2
RSA10_56	158.20	1.36	1.74900	0.03900	0.17110	0.00240	0.18016	1027.0	14.0	1020.0	13.0	1053.0	49.0	1053.0	49.0	3.1
RSA10_81	184.10	2.13	1.97300	0.03200	0.18510	0.00240	0.29849	1105.0	11.0	1094.0	13.0	1111.0	39.0	1111.0	39.0	1.5
RSA10_91	25.37	1.04	2.28000	0.11000	0.21410	0.00600	0.19511	1202.0	33.0	1250.0	32.0	1140.0	110.0	1140.0	110.0	9.6
RSA10_101	158.00	2.94	2.40300	0.06000	0.22580	0.00650	0.64247	1245.0	18.0	1311.0	34.0	1165.0	47.0	1165.0	47.0	12.5
RSA10_54	138.40	1.23	1.85500	0.05100	0.16900	0.00350	0.38353	1063.0	18.0	1006.0	19.0	1195.0	53.0	1195.0	53.0	15.8
RSA10_36	313.00	2.47	2.23200	0.03600	0.20520	0.00350	0.26690	1192.0	11.0	1203.0	19.0	1200.0	38.0	1200.0	38.0	0.2
RSA10_60	129.00	2.32	2.20700	0.04100	0.19890	0.00330	0.40037	1182.0	13.0	1169.0	18.0	1224.0	44.0	1224.0	44.0	4.5
RSA10_111	35.90	0.52	2.17400	0.07700	0.19170	0.00570	0.16599	1180.0	25.0	1133.0	30.0	1262.0	91.0	1262.0	91.0	10.2
RSA10_69	82.30	1.65	2.46600	0.06200	0.21370	0.00460	0.50806	1259.0	18.0	1248.0	24.0	1287.0	44.0	1287.0	44.0	3.0
RSA10_48	296.20	1.83	2.33100	0.02900	0.20140	0.00280	0.46603	1221.0	8.9	1182.0	15.0	1293.0	25.0	1293.0	25.0	8.6
RSA10_29	167.00	16.80	2.47000	0.07000	0.21750	0.00390	0.67013	1261.0	20.0	1268.0	21.0	1297.0	40.0	1297.0	40.0	2.2
RSA10_3	126.90	2.32	2.79300	0.06900	0.23510	0.00590	0.59261	1355.0	19.0	1359.0	31.0	1341.0	42.0	1341.0	42.0	1.3
RSA10_76	222.90	2.41	2.80000	0.08800	0.23550	0.00530	0.49668	1353.0	24.0	1363.0	28.0	1341.0	39.0	1341.0	39.0	1.6
RSA10_114	100.00	1.21	2.50200	0.06000	0.21350	0.00390	0.63623	1270.0	17.0	1247.0	20.0	1356.0	36.0	1356.0	36.0	8.0
RSA10_68	214.00	1.31	2.75200	0.03700	0.22980	0.00300	0.42240	1342.0	10.0	1333.0	16.0	1365.0	27.0	1365.0	27.0	2.3
RSA10_19	45.60	0.99	2.78200	0.08800	0.22990	0.00600	0.25686	1352.0	25.0	1333.0	31.0	1367.0	68.0	1367.0	68.0	2.5
RSA10_22	204.80	1.85	2.39100	0.06100	0.19730	0.00440	0.49919	1238.0	18.0	1160.0	24.0	1378.0	49.0	1378.0	49.0	15.8
RSA10_99	134.20	1.47	2.90000	0.07100	0.24130	0.00450	0.47537	1382.0	19.0	1393.0	23.0	1389.0	44.0	1389.0	44.0	0.3
RSA10_89	167.40	1.67	2.88400	0.05100	0.23590	0.00350	0.54523	1376.0	13.0	1365.0	18.0	1392.0	31.0	1392.0	31.0	1.9
RSA10_31	117.70	1.72	2.75200	0.05000	0.23010	0.00330	0.32344	1348.0	14.0	1335.0	17.0	1401.0	39.0	1401.0	39.0	4.7
RSA10_38	71.30	2.63	2.82600	0.06700	0.23000	0.00440	0.31949	1359.0	18.0	1333.0	23.0	1413.0	48.0	1413.0	48.0	5.7
RSA10_70	48.30	5.64	2.85800	0.05400	0.22760	0.00530	0.17502	1369.0	14.0	1325.0	29.0	1440.0	57.0	1440.0	57.0	8.0
RSA10_6	23.72	2.04	2.95000	0.14000	0.22480	0.00950	0.30655	1386.0	35.0	1304.0	50.0	1510.0	100.0	1510.0	100.0	13.6
RSA10_77	217.60	2.17	2.76500	0.09300	0.21280	0.00810	0.76948	1346.0	24.0	1241.0	43.0	1517.0	37.0	1517.0	37.0	18.2
RSA10_108	252.00	6.40	3.11400	0.06900	0.24230	0.00490	0.52656	1434.0	17.0	1398.0	26.0	1517.0	39.0	1517.0	39.0	7.8
RSA10_72	302.00	1.91	2.73000	0.11000	0.20500	0.00510	0.07440	1332.0	30.0	1201.0	27.0	1531.0	92.0	1531.0	92.0	21.6
RSA10_87	141.00	0.49	3.19200	0.07300	0.23460	0.00460	0.20075	1455.0	17.0	1358.0	24.0	1577.0	50.0	1577.0	50.0	13.9
RSA10_21	134.50	1.03	4.05600	0.08200	0.29150	0.00430	0.39757	1646.0	17.0	1649.0	22.0	1626.0	37.0	1626.0	37.0	1.4
RSA10_10	128.70	1.24	5.03300	0.08700	0.33340	0.00520	0.44275	1825.0	15.0	1857.0	25.0	1794.0	33.0	1794.0	33.0	3.5
RSA10_73	464.00	2.04	4.24000	0.08000	0.27690	0.00730	0.77832	1682.0	15.0	1579.0	38.0	1801.0	33.0	1801.0	33.0	12.3
RSA10_106	57.20	0.65	3.92200	0.09900	0.25870	0.00580	0.42547	1614.0	21.0	1482.0	30.0	1815.0	43.0	1815.0	43.0	18.3
RSA10_55	148.40	1.21	4.62100	0.08800	0.30300	0.00710	0.64151	1751.0	16.0	1705.0	35.0	1819.0	32.0	1819.0	32.0	6.3
RSA10_49	185.00	1.21	5.24300	0.06400	0.33100	0.00370	0.38250	1861.0	10.0	1843.0	18.0	1865.0	25.0	1865.0	25.0	1.2
RSA10_103	216.00	0.77	5.24800	0.08200	0.33250	0.00490	0.71411	1859.0	13.0	1850.0	24.0	1870.0	24.0	1870.0	24.0	1.1
RSA10_59	247.00	1.64	4.91300	0.09500	0.31390	0.00820	0.70672	1802.0	16.0	1763.0	39.0	1890.0	31.0	1890.0	31.0	6.7
RSA10_78	20.30	0.44	3.85000	0.16000	0.23200	0.00640	0.09037	1594.0	35.0	1354.0	36.0	1892.0	82.0	1892.0	82.0	28.4
RSA10_75	217.00	1.21	5.59300	0.08800	0.34000	0.00550	0.53190	1913.0	14.0	1886.0	26.0	1906.0	27.0	1906.0	27.0	1.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RSA10_35	171.60	1.50	5.36100	0.08100	0.31240	0.00510	0.51704	1879.0	13.0	1755.0	26.0	2026.0	26.0	2026.0	26.0	13.4
RSA10_82	90.50	2.20	6.37000	0.10000	0.36140	0.00490	0.33101	2027.0	14.0	1988.0	23.0	2064.0	30.0	2064.0	30.0	3.7
RSA10_100	82.30	1.38	7.07000	0.12000	0.39330	0.00660	0.50165	2118.0	15.0	2137.0	31.0	2117.0	30.0	2117.0	30.0	0.9
RSA10_109	137.00	1.87	7.71000	0.12000	0.41660	0.00610	0.52398	2198.0	13.0	2248.0	29.0	2147.0	24.0	2147.0	24.0	4.7
RSA10_112	292.00	1.77	4.94000	0.27000	0.27000	0.01700	0.96827	1800.0	48.0	1553.0	87.0	2147.0	29.0	2147.0	29.0	27.7
RSA10_16	173.00	0.46	7.76000	0.22000	0.39500	0.01300	0.74602	2201.0	25.0	2146.0	60.0	2207.0	38.0	2207.0	38.0	2.8
RSA10_94	158.10	1.76	13.28000	0.15000	0.51270	0.00640	0.68592	2698.0	10.0	2670.0	28.0	2738.0	15.0	2738.0	15.0	2.5
ERS06: Tariquia Fm., Late Oligocene (n=113), (21.52°S, 64.21°W)																
ERS06_25	149.20	0.52	0.03050	0.00340	0.00366	0.00015	0.25643	30.4	3.3	23.6	1.0	580.0	200.0	23.6	1.0	22.5
ERS06_37	172.00	0.67	0.02880	0.00280	0.00382	0.00017	0.39457	29.1	2.7	24.6	1.1	370.0	180.0	24.6	1.1	15.5
ERS06_33	82.90	0.79	0.03620	0.00390	0.00393	0.00023	0.22706	36.0	3.9	25.3	1.5	850.0	230.0	25.3	1.5	29.7
ERS06_17	114.00	0.86	0.05600	0.01100	0.00396	0.00021	0.60788	54.0	10.0	25.5	1.4	1570.0	330.0	25.5	1.4	52.8
ERS06_96	719.00	2.00	0.03050	0.00140	0.00410	0.00010	0.30572	30.5	1.3	26.4	0.7	340.0	100.0	26.4	0.7	13.5
ERS06_90	185.90	1.12	0.30340	0.00910	0.04190	0.00089	0.28780	268.6	7.1	264.6	5.5	326.0	67.0	264.6	5.5	1.5
ERS06_89	157.40	1.92	0.30800	0.01000	0.04300	0.00110	0.53314	272.5	7.7	271.2	6.7	245.0	61.0	271.2	6.7	0.5
ERS06_12	150.00	0.57	0.31400	0.01100	0.04329	0.00079	0.19940	278.5	8.0	273.2	4.9	340.0	82.0	273.2	4.9	1.9
ERS06_102	481.00	1.29	0.45160	0.00850	0.05876	0.00080	0.13875	378.1	5.9	368.1	4.9	443.0	49.0	368.1	4.9	2.6
ERS06_75	462.00	1.01	0.62900	0.01600	0.06410	0.00170	0.07997	495.1	9.7	400.0	11.0	971.0	78.0	400.0	11.0	19.2
ERS06_60	247.00	1.35	0.61660	0.00990	0.06970	0.00140	0.11805	488.4	6.4	434.3	8.3	746.0	55.0	434.3	8.3	11.1
ERS06_79	143.40	1.42	0.73000	0.01800	0.07400	0.00140	0.31917	557.0	10.0	460.1	8.3	930.0	47.0	460.1	8.3	17.4
ERS06_6	203.00	8.02	0.61500	0.01100	0.07420	0.00110	0.26437	486.2	6.7	461.5	6.4	623.0	41.0	461.5	6.4	5.1
ERS06_121	198.00	1.56	0.64200	0.01200	0.07435	0.00097	0.00531	503.0	7.3	462.2	5.8	708.0	47.0	462.2	5.8	8.1
ERS06_64	247.80	2.06	0.60500	0.01800	0.07490	0.00240	0.49619	479.0	12.0	465.0	15.0	541.0	63.0	465.0	15.0	2.9
ERS06_55	78.60	1.36	0.71700	0.02600	0.07720	0.00140	0.19043	549.0	15.0	479.5	8.6	879.0	75.0	479.5	8.6	12.7
ERS06_16	584.00	1.57	0.60900	0.01100	0.07830	0.00120	0.66123	483.8	7.1	485.7	7.3	464.0	31.0	485.7	7.3	0.4
ERS06_100	122.70	2.48	0.68000	0.01500	0.07840	0.00110	0.17028	529.9	8.3	487.6	6.9	704.0	47.0	487.6	6.9	8.0
ERS06_19	185.70	2.56	0.67100	0.01400	0.08180	0.00120	0.36521	520.5	8.4	506.5	7.4	574.0	46.0	506.5	7.4	2.7
ERS06_101	162.00	1.44	0.73400	0.01200	0.08220	0.00110	0.42696	558.4	7.0	509.3	6.3	773.0	37.0	509.3	6.3	8.8
ERS06_39	196.00	1.29	0.72600	0.01600	0.08250	0.00100	0.01045	551.7	8.9	510.8	6.1	733.0	49.0	510.8	6.1	7.4
ERS06_108	322.00	1.70	0.67500	0.00980	0.08260	0.00100	0.41403	523.4	5.9	511.4	5.9	574.0	30.0	511.4	5.9	2.3
ERS06_117	289.60	2.86	0.68700	0.01500	0.08450	0.00120	0.32344	530.7	8.8	522.6	6.9	602.0	41.0	522.6	6.9	1.5
ERS06_57	359.40	1.47	0.73200	0.01900	0.08480	0.00150	0.55148	558.0	11.0	524.8	9.1	692.0	46.0	524.8	9.1	5.9
ERS06_45	158.00	1.20	0.69400	0.01400	0.08500	0.00130	0.40932	535.7	8.4	525.9	7.6	556.0	45.0	525.9	7.6	1.8
ERS06_63	433.00	6.56	0.69810	0.00900	0.08580	0.00110	0.42897	537.3	5.4	531.6	6.5	550.0	31.0	531.6	6.5	1.1
ERS06_98	271.00	1.39	0.70640	0.00990	0.08670	0.00110	0.18713	543.0	5.8	535.9	6.6	569.0	38.0	535.9	6.6	1.3
ERS06_29	193.70	2.66	0.70900	0.01500	0.08680	0.00150	0.36086	543.6	8.8	536.3	8.7	552.0	48.0	536.3	8.7	1.3
ERS06_68	62.60	2.92	0.72700	0.02100	0.08680	0.00150	0.02522	554.0	12.0	536.5	9.2	592.0	70.0	536.5	9.2	3.2
ERS06_97	174.00	6.51	0.84000	0.01500	0.08750	0.00130	0.37264	618.4	8.3	540.5	7.8	907.0	38.0	540.5	7.8	12.6
ERS06_72	186.00	0.82	0.73200	0.01400	0.08795	0.00093	0.36851	557.1	8.2	543.4	5.5	608.0	40.0	543.4	5.5	2.5
ERS06_93	224.00	25.00	0.71300	0.01200	0.08970	0.00110	0.12014	546.9	7.0	553.6	6.5	535.0	39.0	553.6	6.5	1.2
ERS06_66	181.00	1.06	0.98200	0.03600	0.09090	0.00280	0.55258	694.0	19.0	561.0	17.0	1160.0	87.0	561.0	17.0	19.2
ERS06_3	149.00	2.46	0.75600	0.01300	0.09120	0.00100	0.18256	572.3	7.1	562.5	6.0	611.0	40.0	562.5	6.0	1.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS06_84	126.60	1.38	0.80400	0.02000	0.09110	0.00130	0.41184	602.0	11.0	563.4	8.1	745.0	46.0	563.4	8.1	6.4
ERS06_94	286.00	1.75	0.73800	0.01300	0.09140	0.00110	0.54600	560.6	7.8	563.5	6.6	575.0	33.0	563.5	6.6	0.5
ERS06_32	332.00	0.80	0.79800	0.01000	0.09480	0.00110	0.37549	595.4	5.9	583.9	6.5	629.0	33.0	583.9	6.5	1.9
ERS06_107	84.40	1.62	0.82100	0.02300	0.09620	0.00190	0.14408	607.0	13.0	592.0	11.0	667.0	59.0	592.0	11.0	2.5
ERS06_10	25.24	1.19	0.85600	0.04200	0.09800	0.00410	0.17671	626.0	23.0	603.0	24.0	820.0	120.0	603.0	24.0	3.7
ERS06_30	349.00	6.85	0.83400	0.01300	0.09950	0.00110	0.31518	615.4	7.3	611.3	6.7	638.0	34.0	611.3	6.7	0.7
ERS06_71	117.00	3.10	1.01800	0.02100	0.10010	0.00220	0.32040	712.0	11.0	615.0	13.0	1026.0	47.0	615.0	13.0	13.6
ERS06_34	82.90	0.55	0.87100	0.02000	0.10070	0.00160	0.11413	635.0	11.0	618.6	9.6	685.0	54.0	618.6	9.6	2.6
ERS06_70	182.70	0.75	0.85200	0.01700	0.10110	0.00120	0.28177	624.9	9.2	620.6	6.9	643.0	42.0	620.6	6.9	0.7
ERS06_67	98.70	1.08	0.86400	0.02500	0.10170	0.00140	0.24780	633.0	13.0	624.1	8.1	678.0	58.0	624.1	8.1	1.4
ERS06_18	268.00	1.77	0.87700	0.01000	0.10240	0.00120	0.24164	639.7	5.7	628.4	7.1	677.0	32.0	628.4	7.1	1.8
ERS06_50	475.00	4.19	0.87200	0.01100	0.10240	0.00140	0.54029	637.0	5.9	628.6	8.1	644.0	30.0	628.6	8.1	1.3
ERS06_5	185.70	2.27	0.95000	0.02200	0.10340	0.00270	0.62050	677.0	11.0	634.0	16.0	838.0	46.0	634.0	16.0	6.4
ERS06_61	373.00	29.30	0.90400	0.01000	0.10353	0.00092	0.15132	654.5	5.3	635.0	5.4	722.0	30.0	635.0	5.4	3.0
ERS06_56	288.00	2.90	0.89000	0.01700	0.10480	0.00190	0.44291	645.6	9.4	642.0	11.0	630.0	41.0	642.0	11.0	0.6
ERS06_73	215.00	1.08	0.92600	0.01700	0.10480	0.00150	0.33586	665.0	8.9	642.6	8.5	727.0	39.0	642.6	8.5	3.4
ERS06_113	119.70	0.89	0.92500	0.01300	0.10610	0.00160	0.17735	665.4	6.8	649.8	9.5	711.0	43.0	649.8	9.5	2.3
ERS06_119	199.90	0.70	0.91000	0.01900	0.10610	0.00150	0.23476	658.0	10.0	650.0	8.6	690.0	47.0	650.0	8.6	1.2
ERS06_15	130.30	1.79	0.89600	0.01600	0.10680	0.00130	0.42977	648.9	8.4	654.1	7.4	619.0	33.0	654.1	7.4	0.8
ERS06_88	192.00	1.38	0.97800	0.01600	0.10850	0.00160	0.20331	691.9	8.2	664.1	9.5	763.0	45.0	664.1	9.5	4.0
ERS06_92	962.00	1.56	0.93900	0.01200	0.11080	0.00130	0.32996	671.9	6.3	677.4	7.7	656.0	20.0	677.4	7.7	0.8
ERS06_2	85.10	1.01	0.96600	0.01900	0.11210	0.00150	0.03805	685.6	9.8	684.9	8.5	697.0	47.0	684.9	8.5	0.1
ERS06_31	171.80	2.16	1.03600	0.01500	0.11780	0.00180	0.42648	721.4	7.5	718.0	10.0	740.0	37.0	718.0	10.0	0.5
ERS06_62	114.60	1.98	1.20600	0.03000	0.12760	0.00200	0.46217	804.0	13.0	776.0	11.0	895.0	48.0	776.0	11.0	3.5
ERS06_22	234.50	3.27	1.38200	0.03200	0.13740	0.00290	0.60314	881.0	14.0	830.0	16.0	992.0	44.0	830.0	16.0	5.8
ERS06_42	284.00	1.30	1.33200	0.02200	0.14100	0.00250	0.40503	858.9	9.5	850.0	14.0	862.0	37.0	850.0	14.0	1.0
ERS06_118	63.90	0.98	1.49000	0.05400	0.15060	0.00390	0.69321	929.0	22.0	904.0	22.0	1003.0	53.0	904.0	22.0	2.7
ERS06_40	149.00	1.26	1.68400	0.03100	0.16830	0.00190	0.27077	1003.0	12.0	1003.0	10.0	985.0	34.0	985.0	34.0	1.8
ERS06_23	138.30	1.50	1.68100	0.03400	0.16780	0.00240	0.34526	1005.0	13.0	1000.0	13.0	996.0	41.0	996.0	41.0	0.4
ERS06_86	163.00	1.75	1.71100	0.02800	0.16960	0.00230	0.61366	1012.0	10.0	1009.0	13.0	1023.0	27.0	1023.0	27.0	1.4
ERS06_111	126.00	0.51	1.64100	0.02200	0.16040	0.00170	0.45314	985.4	8.6	958.7	9.5	1034.0	30.0	1034.0	30.0	7.3
ERS06_116	99.80	1.49	1.66700	0.03000	0.16470	0.00200	0.35991	995.0	11.0	983.0	11.0	1035.0	37.0	1035.0	37.0	5.0
ERS06_112	34.10	1.85	1.70700	0.04600	0.16550	0.00280	0.41556	1008.0	17.0	987.0	15.0	1047.0	55.0	1047.0	55.0	5.7
ERS06_35	91.30	2.30	1.81400	0.03300	0.17440	0.00270	0.50881	1049.0	12.0	1036.0	15.0	1064.0	36.0	1064.0	36.0	2.6
ERS06_20	102.70	1.03	1.84900	0.02800	0.17770	0.00230	0.34592	1062.0	10.0	1054.0	13.0	1078.0	33.0	1078.0	33.0	2.2
ERS06_114	237.50	2.18	1.88600	0.02900	0.18030	0.00240	0.56716	1075.0	10.0	1070.0	13.0	1080.0	28.0	1080.0	28.0	0.9
ERS06_38	115.90	2.31	1.85400	0.02200	0.17890	0.00210	0.35942	1064.1	7.6	1061.0	11.0	1091.0	31.0	1091.0	31.0	2.7
ERS06_69	87.20	1.51	1.90600	0.03800	0.18280	0.00250	0.29536	1082.0	13.0	1082.0	13.0	1091.0	41.0	1091.0	41.0	0.8
ERS06_36	192.00	2.17	1.79300	0.03000	0.17110	0.00250	0.73529	1044.0	10.0	1018.0	14.0	1110.0	28.0	1110.0	28.0	8.3
ERS06_115	142.90	1.68	1.83100	0.03200	0.17340	0.00230	0.37383	1056.0	12.0	1031.0	13.0	1113.0	35.0	1113.0	35.0	7.4
ERS06_27	387.00	5.56	1.82500	0.02100	0.17230	0.00200	0.66108	1055.0	7.8	1024.0	11.0	1118.0	18.0	1118.0	18.0	8.4
ERS06_24	77.00	1.18	1.96600	0.03300	0.18430	0.00290	0.34398	1104.0	11.0	1090.0	16.0	1121.0	36.0	1121.0	36.0	2.8
ERS06_59	172.40	1.39	1.99600	0.02600	0.18700	0.00210	0.37674	1113.3	8.8	1105.0	11.0	1131.0	27.0	1131.0	27.0	2.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS06_95	96.00	1.35	2.03800	0.04000	0.18990	0.00290	0.55611	1127.0	13.0	1121.0	16.0	1132.0	33.0	1132.0	33.0	1.0
ERS06_106	116.30	1.31	2.07400	0.04600	0.19040	0.00220	0.36338	1139.0	15.0	1125.0	12.0	1168.0	42.0	1168.0	42.0	3.7
ERS06_47	297.00	2.23	2.02200	0.05600	0.18450	0.00320	0.83997	1125.0	19.0	1091.0	17.0	1169.0	32.0	1169.0	32.0	6.7
ERS06_52	243.00	2.87	1.91500	0.04600	0.17220	0.00440	0.62952	1086.0	15.0	1023.0	24.0	1183.0	44.0	1183.0	44.0	13.5
ERS06_103	207.00	1.86	1.91300	0.03600	0.17380	0.00200	0.48837	1086.0	12.0	1033.0	11.0	1191.0	33.0	1191.0	33.0	13.3
ERS06_99	69.80	1.51	1.94400	0.03100	0.17640	0.00250	0.28532	1095.0	11.0	1047.0	13.0	1205.0	36.0	1205.0	36.0	13.1
ERS06_9	136.70	1.13	2.35000	0.02700	0.21370	0.00210	0.27316	1227.9	7.9	1248.0	11.0	1212.0	26.0	1212.0	26.0	3.0
ERS06_26	194.50	2.24	2.42700	0.02700	0.21410	0.00210	0.38788	1250.0	7.9	1250.0	11.0	1254.0	22.0	1254.0	22.0	0.3
ERS06_21	111.30	1.93	2.39800	0.05300	0.20770	0.00230	0.24260	1240.0	15.0	1216.0	13.0	1268.0	43.0	1268.0	43.0	4.1
ERS06_120	109.70	3.26	2.34200	0.03700	0.20250	0.00370	0.69677	1224.0	11.0	1188.0	20.0	1310.0	30.0	1310.0	30.0	9.3
ERS06_58	27.21	0.48	2.81000	0.09200	0.23780	0.00420	0.22993	1353.0	25.0	1375.0	22.0	1329.0	69.0	1329.0	69.0	3.5
ERS06_110	183.00	1.43	2.84500	0.02300	0.23690	0.00210	0.51322	1367.1	6.1	1370.0	11.0	1358.0	17.0	1358.0	17.0	0.9
ERS06_54	136.00	1.57	2.81200	0.04200	0.23020	0.00370	0.53013	1358.0	11.0	1335.0	20.0	1396.0	27.0	1396.0	27.0	4.4
ERS06_77	150.00	0.49	2.90200	0.03300	0.23670	0.00260	0.32533	1382.9	8.7	1369.0	14.0	1410.0	24.0	1410.0	24.0	2.9
ERS06_91	32.80	0.29	3.04600	0.07300	0.23950	0.00320	0.17543	1421.0	18.0	1384.0	17.0	1489.0	49.0	1489.0	49.0	7.1
ERS06_48	334.00	3.54	3.51000	0.02900	0.26540	0.00270	0.68716	1529.1	6.4	1517.0	14.0	1541.0	14.0	1541.0	14.0	1.6
ERS06_81	47.10	0.76	3.46100	0.06100	0.26550	0.00460	0.39395	1520.0	14.0	1517.0	24.0	1541.0	37.0	1541.0	37.0	1.6
ERS06_1	133.40	1.60	3.54100	0.03600	0.26760	0.00270	0.56142	1535.9	8.0	1528.0	14.0	1551.0	18.0	1551.0	18.0	1.5
ERS06_78	66.00	0.99	3.52800	0.05400	0.26010	0.00340	0.16043	1534.0	12.0	1490.0	17.0	1590.0	33.0	1590.0	33.0	6.3
ERS06_44	344.00	2.93	3.36000	0.30000	0.23300	0.01900	0.98032	1468.0	72.0	1343.0	98.0	1707.0	28.0	1707.0	28.0	21.3
ERS06_105	107.00	1.09	4.63900	0.05800	0.31410	0.00340	0.37441	1758.0	10.0	1761.0	17.0	1752.0	23.0	1752.0	23.0	0.5
ERS06_4	298.00	0.87	4.41700	0.03600	0.29970	0.00240	0.50170	1715.1	6.8	1689.0	12.0	1757.0	14.0	1757.0	14.0	3.9
ERS06_7	114.70	1.52	3.39300	0.06500	0.22870	0.00370	0.69182	1501.0	15.0	1327.0	19.0	1764.0	26.0	1764.0	26.0	24.8
ERS06_109	499.00	1.54	4.65600	0.04800	0.30810	0.00340	0.77700	1758.6	8.5	1731.0	17.0	1789.0	12.0	1789.0	12.0	3.2
ERS06_83	45.10	0.34	5.07500	0.08500	0.32380	0.00570	0.53871	1830.0	14.0	1811.0	27.0	1855.0	29.0	1855.0	29.0	2.4
ERS06_74	35.90	0.63	4.80000	0.10000	0.29390	0.00520	0.37658	1785.0	17.0	1660.0	26.0	1932.0	39.0	1932.0	39.0	14.1
ERS06_87	26.00	0.58	5.84000	0.11000	0.35110	0.00650	0.38860	1952.0	17.0	1942.0	31.0	1948.0	37.0	1948.0	37.0	0.3
ERS06_41	78.60	1.22	6.38500	0.05800	0.37620	0.00400	0.58755	2029.7	8.1	2058.0	19.0	2010.0	20.0	2010.0	20.0	2.4
ERS06_76	79.20	0.91	6.58000	0.08300	0.36730	0.00400	0.42689	2057.0	11.0	2016.0	19.0	2081.0	22.0	2081.0	22.0	3.1
ERS06_28	48.90	0.63	8.52000	0.18000	0.40370	0.00990	0.73711	2286.0	19.0	2184.0	45.0	2397.0	29.0	2397.0	29.0	8.9
ERS06_13	208.30	0.66	9.08000	0.13000	0.38860	0.00470	0.70100	2348.0	13.0	2116.0	22.0	2558.0	16.0	2558.0	16.0	17.3
ERS06_80	338.00	1.47	9.14000	0.10000	0.38030	0.00420	0.77309	2352.0	10.0	2077.0	20.0	2595.0	14.0	2595.0	14.0	20.0
ERS06_122	125.80	1.26	11.03000	0.20000	0.45490	0.00780	0.85461	2524.0	17.0	2416.0	34.0	2614.0	16.0	2614.0	16.0	7.6
ERS06_104	144.20	1.87	14.52000	0.17000	0.50530	0.00620	0.74208	2786.0	12.0	2636.0	26.0	2902.0	14.0	2902.0	14.0	9.2
ERS06_8	189.00	2.15	17.59000	0.18000	0.56740	0.00760	0.60095	2968.5	9.3	2900.0	32.0	3021.0	18.0	3021.0	18.0	4.0
ERS06_46	232.00	2.10	25.83000	0.20000	0.67590	0.00640	0.67831	3341.1	8.0	3328.0	25.0	3341.0	12.0	3341.0	12.0	0.4
ERS14: Guandacay Fm., Early Miocene (n=118), (21.52°S, 64.2°W)																
ERS14_7	957.00	1.41	0.02350	0.00160	0.00306	0.00008	0.11111	23.5	1.6	19.7	0.5	350.0	140.0	19.7	0.5	16.2
ERS14_105	429.00	0.79	0.02610	0.00230	0.00312	0.00015	0.14369	26.1	2.3	20.1	0.9	570.0	190.0	20.1	0.9	23.1
ERS14_65	456.00	3.72	0.03740	0.00520	0.00336	0.00018	0.59169	37.0	4.9	21.6	1.2	940.0	190.0	21.6	1.2	41.6
ERS14_17	411.00	2.34	0.07060	0.00530	0.00363	0.00014	0.39680	69.0	5.0	23.3	0.9	2180.0	130.0	23.3	0.9	66.2
ERS14_115	803.00	0.81	0.04660	0.00330	0.00589	0.00024	0.51215	46.2	3.2	37.9	1.6	420.0	200.0	37.9	1.6	18.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS14_120	1444.00	0.91	0.08890	0.00290	0.01268	0.00037	0.42130	86.4	2.7	81.2	2.3	207.0	72.0	81.2	2.3	6.0
ERS14_110	555.00	5.36	0.15150	0.00670	0.02059	0.00043	0.09591	142.9	5.9	131.7	2.8	307.0	98.0	131.7	2.8	7.8
ERS14_6	561.00	2.11	0.43300	0.01200	0.05570	0.00110	0.40184	364.9	8.6	349.2	6.6	425.0	51.0	349.2	6.6	4.3
ERS14_111	300.00	1.18	0.46270	0.00940	0.06003	0.00087	0.32970	385.8	6.5	375.8	5.3	426.0	49.0	375.8	5.3	2.6
ERS14_14	43.70	1.02	0.69400	0.03000	0.07060	0.00280	0.14377	535.0	18.0	442.0	17.0	940.0	120.0	442.0	17.0	17.4
ERS14_33	319.80	3.58	0.80900	0.05200	0.07150	0.00130	0.29007	598.0	29.0	445.3	7.6	1190.0	130.0	445.3	7.6	25.5
ERS14_93	714.00	9.00	0.59700	0.01100	0.07480	0.00140	0.55113	475.1	6.9	464.8	8.3	517.0	36.0	464.8	8.3	2.2
ERS14_63	825.00	1.84	0.59180	0.00810	0.07493	0.00083	0.60611	471.8	5.1	465.7	5.0	496.0	26.0	465.7	5.0	1.3
ERS14_45	491.00	5.02	0.57400	0.01000	0.07506	0.00087	0.36089	460.2	6.7	466.5	5.2	438.0	36.0	466.5	5.2	1.4
ERS14_11	628.00	2.97	0.59300	0.01100	0.07530	0.00130	0.47554	473.0	6.8	467.7	7.9	482.0	40.0	467.7	7.9	1.1
ERS14_55	718.00	6.87	0.59600	0.01000	0.07590	0.00120	0.33362	475.9	6.5	471.6	7.3	505.0	42.0	471.6	7.3	0.9
ERS14_12	810.00	7.45	0.59060	0.00960	0.07580	0.00120	0.57392	470.9	6.1	472.0	7.1	469.0	32.0	472.0	7.1	0.2
ERS14_122	433.00	1.51	0.66600	0.02100	0.07630	0.00210	0.58383	519.0	12.0	474.0	12.0	697.0	62.0	474.0	12.0	8.7
ERS14_35	1112.00	3.98	0.68700	0.01400	0.07640	0.00230	0.68215	530.8	8.3	475.0	14.0	777.0	57.0	475.0	14.0	10.5
ERS14_96	329.00	3.47	0.61200	0.01400	0.07680	0.00170	0.22244	485.3	8.5	477.0	10.0	516.0	66.0	477.0	10.0	1.7
ERS14_15	424.00	34.30	0.65900	0.02300	0.07850	0.00160	0.36128	513.0	14.0	487.1	9.6	590.0	64.0	487.1	9.6	5.0
ERS14_47	465.00	1.93	0.63700	0.01200	0.08036	0.00095	0.43929	500.3	7.1	498.2	5.6	510.0	35.0	498.2	5.6	0.4
ERS14_88	1080.00	3.40	1.05500	0.04000	0.08060	0.00270	0.19378	734.0	18.0	500.0	16.0	1534.0	81.0	500.0	16.0	31.9
ERS14_102	625.00	1.98	0.66300	0.01100	0.08090	0.00110	0.10685	516.1	7.0	501.6	6.4	565.0	44.0	501.6	6.4	2.8
ERS14_90	678.00	1.24	0.80400	0.01400	0.08250	0.00190	0.70409	598.5	8.0	511.0	11.0	885.0	36.0	511.0	11.0	14.6
ERS14_43	54.60	1.33	0.75900	0.03500	0.08310	0.00190	0.39311	572.0	20.0	515.0	11.0	784.0	92.0	515.0	11.0	10.0
ERS14_94	904.00	3.45	0.69000	0.01100	0.08335	0.00088	0.15157	532.1	6.7	516.0	5.3	571.0	35.0	516.0	5.3	3.0
ERS14_28	1257.00	24.70	0.64300	0.01600	0.08380	0.00230	0.70320	503.0	10.0	520.0	13.0	486.0	45.0	520.0	13.0	3.4
ERS14_100	466.00	2.53	0.68200	0.01100	0.08420	0.00100	0.29608	527.9	6.5	520.8	6.1	551.0	39.0	520.8	6.1	1.3
ERS14_25	269.00	1.36	0.71000	0.01400	0.08440	0.00120	0.28702	544.3	8.4	522.3	7.2	599.0	49.0	522.3	7.2	4.0
ERS14_48	369.00	1.38	0.67700	0.01100	0.08460	0.00130	0.51915	524.6	7.0	523.6	7.9	548.0	37.0	523.6	7.9	0.2
ERS14_62	547.00	1.08	0.67860	0.00960	0.08576	0.00095	0.18953	526.4	5.7	530.4	5.6	509.0	38.0	530.4	5.6	0.8
ERS14_75	164.00	1.36	0.73300	0.02200	0.08610	0.00190	0.18901	557.0	13.0	532.0	11.0	647.0	65.0	532.0	11.0	4.5
ERS14_76	438.00	4.22	0.71900	0.01800	0.08610	0.00140	0.37226	550.0	11.0	532.5	8.4	622.0	56.0	532.5	8.4	3.2
ERS14_69	497.00	8.21	0.69500	0.01000	0.08670	0.00120	0.36425	535.4	6.1	536.1	7.1	550.0	33.0	536.1	7.1	0.1
ERS14_21	157.10	1.88	0.73500	0.03600	0.08690	0.00410	0.36367	559.0	21.0	537.0	24.0	650.0	130.0	537.0	24.0	3.9
ERS14_32	537.00	2.02	0.71800	0.01100	0.08754	0.00083	0.36064	549.6	6.4	540.9	4.9	571.0	32.0	540.9	4.9	1.6
ERS14_99	577.00	4.85	0.71500	0.01100	0.08780	0.00110	0.26877	547.3	6.3	542.2	6.8	565.0	38.0	542.2	6.8	0.9
ERS14_20	223.50	0.78	0.76400	0.01800	0.08820	0.00140	0.17251	578.0	9.6	545.1	8.4	676.0	54.0	545.1	8.4	5.7
ERS14_101	1326.00	8.70	0.80500	0.01800	0.09027	0.00090	0.40402	599.6	9.9	557.1	5.3	740.0	43.0	557.1	5.3	7.1
ERS14_13	152.50	2.65	0.83100	0.03600	0.09050	0.00210	0.24244	606.0	16.0	558.0	12.0	766.0	73.0	558.0	12.0	7.9
ERS14_81	780.00	1.82	0.81500	0.01700	0.09100	0.00210	0.49677	605.7	9.9	561.0	12.0	769.0	46.0	561.0	12.0	7.4
ERS14_58	971.00	32.50	0.83900	0.02500	0.09110	0.00230	0.40112	618.0	14.0	562.0	14.0	807.0	68.0	562.0	14.0	9.1
ERS14_56	345.00	4.14	0.75200	0.03100	0.09310	0.00410	0.65307	567.0	18.0	573.0	24.0	561.0	80.0	573.0	24.0	1.1
ERS14_71	541.00	2.64	0.78400	0.01700	0.09430	0.00230	0.62250	586.9	9.8	580.0	13.0	586.0	44.0	580.0	13.0	1.2
ERS14_97	435.00	7.50	0.71600	0.02900	0.09420	0.00340	0.35422	548.0	17.0	580.0	20.0	455.0	94.0	580.0	20.0	5.8
ERS14_60	1521.00	11.72	0.78440	0.00990	0.09450	0.00100	0.40443	588.4	5.8	581.9	6.2	613.0	29.0	581.9	6.2	1.1
ERS14_24	842.00	1.04	0.79970	0.00980	0.09545	0.00081	0.23954	596.4	5.5	587.6	4.8	618.0	29.0	587.6	4.8	1.5

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS14_57	385.00	1.44	0.80700	0.01400	0.09590	0.00130	0.22300	600.9	7.8	590.3	7.4	635.0	41.0	590.3	7.4	1.8
ERS14_123	279.70	1.24	0.80600	0.02300	0.09650	0.00330	0.57573	600.0	12.0	594.0	19.0	618.0	58.0	594.0	19.0	1.0
ERS14_109	1042.00	4.84	1.03600	0.01200	0.09690	0.00190	0.26934	721.5	6.1	596.0	11.0	1105.0	39.0	596.0	11.0	17.4
ERS14_59	415.00	3.99	0.93500	0.04800	0.09730	0.00670	0.46972	668.0	25.0	598.0	39.0	868.0	94.0	598.0	39.0	10.5
ERS14_74	156.00	0.91	0.82800	0.02300	0.09810	0.00160	0.15622	611.0	13.0	603.4	9.4	670.0	59.0	603.4	9.4	1.2
ERS14_2	828.00	3.17	0.84800	0.01200	0.09870	0.00150	0.51064	623.0	6.8	606.7	8.9	662.0	34.0	606.7	8.9	2.6
ERS14_3	439.00	1.41	0.85200	0.01200	0.09930	0.00110	0.34457	626.1	6.6	610.5	6.4	665.0	31.0	610.5	6.4	2.5
ERS14_52	1454.00	4.24	0.83000	0.01500	0.09970	0.00190	0.18095	613.6	8.1	612.0	11.0	615.0	50.0	612.0	11.0	0.3
ERS14_118	495.00	8.67	0.84100	0.01400	0.10000	0.00120	0.34122	620.2	7.6	614.2	7.3	639.0	35.0	614.2	7.3	1.0
ERS14_37	589.00	5.91	0.85400	0.01800	0.10030	0.00180	0.63030	625.7	9.8	617.0	10.0	655.0	39.0	617.0	10.0	1.4
ERS14_8	365.00	1.84	0.87600	0.01500	0.10110	0.00130	0.50294	638.2	8.3	621.0	7.6	684.0	32.0	621.0	7.6	2.7
ERS14_82	175.00	14.60	0.88300	0.03600	0.10370	0.00460	0.48540	639.0	19.0	635.0	27.0	683.0	91.0	635.0	27.0	0.6
ERS14_73	458.00	1.12	0.86900	0.01200	0.10360	0.00130	0.44993	634.5	6.4	635.3	7.6	638.0	29.0	635.3	7.6	0.1
ERS14_16	313.00	1.36	0.91000	0.01900	0.10590	0.00210	0.61628	656.1	9.9	649.0	12.0	671.0	37.0	649.0	12.0	1.1
ERS14_53	277.00	1.98	0.89700	0.02400	0.10750	0.00230	0.37156	652.0	13.0	658.0	14.0	638.0	59.0	658.0	14.0	0.9
ERS14_51	457.00	12.90	0.91400	0.02300	0.10780	0.00230	0.61932	660.0	12.0	660.0	14.0	677.0	45.0	660.0	14.0	0.0
ERS14_106	157.70	1.11	0.99900	0.03900	0.10840	0.00430	0.54059	704.0	20.0	663.0	25.0	812.0	77.0	663.0	25.0	5.8
ERS14_9	769.00	25.20	1.00300	0.03600	0.11040	0.00480	0.62907	705.0	18.0	675.0	28.0	775.0	69.0	675.0	28.0	4.3
ERS14_103	1170.00	2.79	1.13900	0.01800	0.11320	0.00190	0.56694	771.3	8.3	691.0	11.0	989.0	27.0	691.0	11.0	10.4
ERS14_66	199.00	4.66	1.29700	0.03200	0.12530	0.00390	0.43515	844.0	14.0	761.0	22.0	1086.0	63.0	761.0	22.0	9.8
ERS14_98	133.10	5.28	1.29700	0.04800	0.12870	0.00430	0.53302	845.0	20.0	780.0	24.0	1005.0	65.0	780.0	24.0	7.7
ERS14_95	67.90	3.17	1.55100	0.07800	0.13600	0.00310	0.51123	944.0	30.0	821.0	18.0	1219.0	90.0	821.0	18.0	13.0
ERS14_36	647.00	2.83	1.43100	0.04700	0.13620	0.00270	0.77151	900.0	20.0	823.0	15.0	1084.0	48.0	823.0	15.0	8.6
ERS14_70	72.00	0.29	1.30600	0.03700	0.13640	0.00240	0.11465	848.0	17.0	824.0	14.0	896.0	61.0	824.0	14.0	2.8
ERS14_119	77.60	1.49	1.37400	0.05800	0.13650	0.00420	0.23744	873.0	25.0	827.0	24.0	955.0	90.0	827.0	24.0	5.3
ERS14_27	100.00	7.60	1.67200	0.05000	0.14680	0.00510	0.24279	995.0	19.0	882.0	29.0	1251.0	73.0	882.0	29.0	11.4
ERS14_10	528.00	5.45	1.43100	0.03600	0.14810	0.00330	0.79595	905.0	16.0	890.0	19.0	928.0	33.0	890.0	19.0	1.7
ERS14_64	42.40	2.31	1.59200	0.05200	0.14850	0.00310	0.13230	964.0	20.0	894.0	17.0	1119.0	77.0	894.0	17.0	7.3
ERS14_89	218.20	1.83	1.69000	0.06500	0.15390	0.00710	0.54790	1003.0	24.0	922.0	40.0	1189.0	86.0	922.0	40.0	8.1
ERS14_22	32.30	2.83	1.64600	0.07700	0.15470	0.00830	0.54047	985.0	30.0	926.0	46.0	1070.0	110.0	926.0	46.0	6.0
ERS14_54	235.00	3.21	1.68700	0.03500	0.15770	0.00260	0.22407	1004.0	14.0	943.0	15.0	1099.0	44.0	943.0	15.0	6.1
ERS14_5	237.30	1.76	1.67700	0.03400	0.16860	0.00310	0.25789	1002.0	13.0	1004.0	17.0	986.0	51.0	986.0	51.0	1.8
ERS14_85	276.00	9.79	1.72900	0.05200	0.16770	0.00430	0.67693	1021.0	19.0	999.0	24.0	1016.0	44.0	1016.0	44.0	1.7
ERS14_18	151.00	1.19	1.81600	0.02700	0.17800	0.00210	0.37577	1052.0	10.0	1056.0	12.0	1017.0	33.0	1017.0	33.0	3.8
ERS14_117	359.00	2.60	1.79600	0.02600	0.17490	0.00210	0.34655	1044.2	9.7	1039.0	11.0	1026.0	31.0	1026.0	31.0	1.3
ERS14_124	169.70	2.28	1.68600	0.03900	0.16410	0.00350	0.74578	1002.0	15.0	979.0	19.0	1045.0	41.0	1045.0	41.0	6.3
ERS14_91	338.00	2.54	1.72800	0.02400	0.16840	0.00250	0.60602	1018.3	9.1	1003.0	14.0	1059.0	24.0	1059.0	24.0	5.3
ERS14_23	732.00	4.95	1.82400	0.02100	0.17580	0.00180	0.52155	1054.5	7.7	1044.0	10.0	1060.0	23.0	1060.0	23.0	1.5
ERS14_67	134.20	2.26	1.71000	0.04600	0.16640	0.00410	0.51091	1011.0	17.0	992.0	23.0	1065.0	56.0	1065.0	56.0	6.9
ERS14_44	205.10	2.67	1.77600	0.02700	0.17380	0.00190	0.49626	1035.9	9.7	1033.0	10.0	1068.0	28.0	1068.0	28.0	3.3
ERS14_79	743.00	5.55	1.89200	0.07500	0.17870	0.00600	0.81436	1079.0	26.0	1058.0	33.0	1074.0	45.0	1074.0	45.0	1.5
ERS14_4	558.00	3.73	2.01500	0.02400	0.19090	0.00240	0.54543	1120.0	8.0	1128.0	13.0	1109.0	24.0	1109.0	24.0	1.7
ERS14_80	129.00	0.93	2.01600	0.03600	0.18810	0.00290	0.00183	1123.0	12.0	1111.0	16.0	1153.0	45.0	1153.0	45.0	3.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS14_1	363.00	0.99	2.05900	0.02800	0.18810	0.00240	0.44016	1135.6	9.3	1111.0	13.0	1169.0	26.0	1169.0	26.0	5.0
ERS14_83	494.00	3.09	2.36400	0.03200	0.21250	0.00270	0.48185	1232.2	9.5	1242.0	14.0	1203.0	28.0	1203.0	28.0	3.2
ERS14_72	115.50	1.22	2.28100	0.05300	0.20150	0.00350	0.35358	1204.0	16.0	1183.0	19.0	1229.0	44.0	1229.0	44.0	3.7
ERS14_84	1015.00	4.26	2.04400	0.02700	0.17100	0.00370	0.55078	1129.7	9.0	1017.0	20.0	1323.0	38.0	1323.0	38.0	23.1
ERS14_78	97.00	1.79	3.04600	0.06000	0.25560	0.00580	0.35653	1418.0	15.0	1466.0	30.0	1328.0	56.0	1328.0	56.0	10.4
ERS14_87	330.00	1.34	2.77100	0.03200	0.22750	0.00290	0.41650	1347.1	8.7	1321.0	15.0	1366.0	24.0	1366.0	24.0	3.3
ERS14_61	427.00	2.23	2.51300	0.07600	0.20700	0.00720	0.89150	1275.0	23.0	1211.0	38.0	1425.0	31.0	1425.0	31.0	15.0
ERS14_68	353.00	1.67	3.20200	0.03500	0.25310	0.00260	0.44039	1457.8	8.7	1454.0	13.0	1463.0	21.0	1463.0	21.0	0.6
ERS14_92	57.30	0.88	3.30700	0.08600	0.26150	0.00590	0.35291	1480.0	21.0	1497.0	30.0	1464.0	55.0	1464.0	55.0	2.3
ERS14_86	643.00	1.32	2.27400	0.04900	0.17850	0.00620	0.72528	1202.0	15.0	1057.0	34.0	1477.0	45.0	1477.0	45.0	28.4
ERS14_19	84.40	1.84	2.93500	0.09300	0.21850	0.00630	0.70716	1389.0	24.0	1273.0	33.0	1512.0	44.0	1512.0	44.0	15.8
ERS14_49	136.50	2.73	3.76800	0.09500	0.27880	0.00630	0.52654	1587.0	20.0	1584.0	32.0	1601.0	44.0	1601.0	44.0	1.1
ERS14_30	212.00	1.48	3.93900	0.05600	0.28250	0.00370	0.62487	1624.0	11.0	1603.0	19.0	1641.0	24.0	1641.0	24.0	2.3
ERS14_50	419.00	1.74	3.80400	0.09400	0.27120	0.00440	0.85977	1593.0	20.0	1546.0	22.0	1642.0	24.0	1642.0	24.0	5.8
ERS14_108	107.80	0.86	4.38100	0.05400	0.29880	0.00400	0.31698	1708.0	10.0	1685.0	20.0	1706.0	27.0	1706.0	27.0	1.2
ERS14_112	297.00	1.53	4.46600	0.06800	0.30530	0.00430	0.65740	1724.0	13.0	1717.0	21.0	1721.0	26.0	1721.0	26.0	0.2
ERS14_31	465.00	1.77	4.30000	0.15000	0.29200	0.01000	0.95274	1689.0	29.0	1657.0	50.0	1747.0	18.0	1747.0	18.0	5.2
ERS14_46	220.00	1.82	4.28000	0.16000	0.29010	0.00960	0.92360	1686.0	32.0	1639.0	48.0	1764.0	21.0	1764.0	21.0	7.1
ERS14_40	303.00	1.28	4.96500	0.06100	0.32910	0.00410	0.60342	1815.0	10.0	1834.0	20.0	1803.0	21.0	1803.0	21.0	1.7
ERS14_107	194.00	2.19	4.77000	0.11000	0.30030	0.00740	0.63169	1778.0	19.0	1691.0	36.0	1863.0	34.0	1863.0	34.0	9.2
ERS14_42	203.00	1.39	4.61100	0.07600	0.29730	0.00560	0.71648	1752.0	14.0	1677.0	28.0	1869.0	23.0	1869.0	23.0	10.3
ERS14_41	326.00	3.26	5.05400	0.06500	0.29580	0.00340	0.68260	1828.0	11.0	1670.0	17.0	2020.0	19.0	2020.0	19.0	17.3
ERS14_34	706.00	1.80	6.41300	0.09500	0.37090	0.00550	0.91095	2032.0	13.0	2033.0	26.0	2040.0	11.0	2040.0	11.0	0.3
ERS14_26	162.00	2.19	6.05000	0.08400	0.33600	0.00480	0.61392	1985.0	12.0	1867.0	23.0	2103.0	22.0	2103.0	22.0	11.2
ERS14_38	326.40	1.76	8.02000	0.12000	0.40140	0.00720	0.63318	2234.0	13.0	2174.0	33.0	2291.0	25.0	2291.0	25.0	5.1
ERS14_114	218.00	2.52	10.06000	0.53000	0.38500	0.01700	0.92786	2421.0	52.0	2091.0	81.0	2669.0	37.0	2669.0	37.0	21.7
ERS14_104	488.00	0.84	16.75000	0.14000	0.57100	0.00420	0.56238	2920.1	7.8	2911.0	17.0	2911.0	12.0	2911.0	12.0	0.0
ERS19: Guandacay Fm., Early Miocene (n=122), (21.52°S, 64.19°W)																
ERS19_92	479.00	2.51	0.03230	0.00280	0.00287	0.00012	0.12322	32.2	2.7	18.5	0.8	1120.0	180.0	18.5	0.8	42.7
ERS19_57	344.00	4.39	0.02490	0.00200	0.00321	0.00014	0.07827	24.9	2.0	20.7	0.9	420.0	190.0	20.7	0.9	17.0
ERS19_25	194.20	1.98	0.02560	0.00230	0.00335	0.00012	0.03804	25.6	2.3	21.6	0.8	400.0	190.0	21.6	0.8	15.8
ERS19_72	351.00	2.86	0.02220	0.00180	0.00341	0.00010	0.20786	22.5	1.7	22.0	0.7	80.0	160.0	22.0	0.7	2.4
ERS19_91	88.00	0.85	0.04760	0.00780	0.00450	0.00029	0.44081	46.8	7.4	28.9	1.8	990.0	310.0	28.9	1.8	38.2
ERS19_49	68.00	0.43	0.18920	0.00980	0.02506	0.00077	0.14001	175.5	8.4	159.5	4.9	300.0	140.0	159.5	4.9	9.1
ERS19_75	406.00	0.99	0.31720	0.00660	0.04393	0.00063	0.20714	280.9	5.1	277.1	3.9	316.0	49.0	277.1	3.9	1.4
ERS19_15	265.00	1.60	0.33280	0.00660	0.04614	0.00050	0.37011	292.1	5.0	290.8	3.1	289.0	42.0	290.8	3.1	0.4
ERS19_81	127.00	0.98	0.35300	0.01100	0.04930	0.00120	0.46896	307.4	8.3	310.4	7.2	273.0	67.0	310.4	7.2	1.0
ERS19_48	232.00	1.02	0.41110	0.00780	0.05516	0.00074	0.05686	350.2	5.7	346.1	4.5	369.0	50.0	346.1	4.5	1.2
ERS19_111	90.30	1.30	0.52100	0.01900	0.06210	0.00140	0.25325	425.0	13.0	388.3	8.2	628.0	85.0	388.3	8.2	8.6
ERS19_14	496.00	1.51	0.57100	0.00950	0.07262	0.00095	0.32009	458.3	6.1	451.9	5.7	493.0	35.0	451.9	5.7	1.4
ERS19_2	367.00	3.25	0.57830	0.00780	0.07274	0.00087	0.29707	463.2	5.0	452.6	5.2	514.0	31.0	452.6	5.2	2.3
ERS19_6	303.00	1.47	0.57330	0.00960	0.07345	0.00094	0.18227	460.5	6.1	457.5	5.7	465.0	37.0	457.5	5.7	0.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS19_42	461.00	1.73	0.61800	0.01400	0.07450	0.00100	0.41320	488.2	8.5	463.2	6.3	601.0	43.0	463.2	6.3	5.1
ERS19_103	418.00	17.00	0.64400	0.02600	0.07550	0.00200	0.61126	507.0	15.0	469.0	12.0	695.0	53.0	469.0	12.0	7.5
ERS19_102	301.00	0.99	0.61100	0.01100	0.07551	0.00096	0.17576	483.9	6.7	469.2	5.7	576.0	43.0	469.2	5.7	3.0
ERS19_5	174.00	0.86	0.58700	0.01200	0.07570	0.00110	0.01797	468.4	7.8	470.4	6.6	479.0	46.0	470.4	6.6	0.4
ERS19_12	536.00	1.26	0.72000	0.01000	0.07690	0.00170	0.45291	551.1	5.9	477.0	10.0	857.0	42.0	477.0	10.0	13.4
ERS19_108	222.00	1.07	0.64500	0.01600	0.07760	0.00140	0.41345	505.0	9.8	481.9	8.2	603.0	52.0	481.9	8.2	4.6
ERS19_73	192.90	1.13	0.81100	0.04100	0.07880	0.00100	0.31082	601.0	23.0	488.8	6.2	1028.0	95.0	488.8	6.2	18.7
ERS19_58	219.80	1.47	0.71800	0.01700	0.07890	0.00170	0.36018	549.0	10.0	490.0	10.0	810.0	49.0	490.0	10.0	10.7
ERS19_98	208.00	2.79	0.62000	0.01100	0.07910	0.00100	0.27522	489.4	6.7	490.8	6.3	477.0	40.0	490.8	6.3	0.3
ERS19_9	437.60	68.70	0.66500	0.02400	0.08050	0.00130	0.28741	518.0	14.0	499.2	7.6	596.0	81.0	499.2	7.6	3.6
ERS19_16	135.20	1.26	0.67600	0.01200	0.08120	0.00100	0.02321	523.9	7.4	503.0	6.0	613.0	48.0	503.0	6.0	4.0
ERS19_67	227.00	4.02	0.65100	0.01100	0.08183	0.00098	0.33916	508.5	6.5	507.0	5.8	528.0	35.0	507.0	5.8	0.3
ERS19_3	122.70	0.76	0.65400	0.01300	0.08191	0.00096	0.20549	512.4	8.1	507.4	5.7	543.0	47.0	507.4	5.7	1.0
ERS19_23	101.10	1.79	0.66700	0.01800	0.08220	0.00120	0.28852	518.0	11.0	509.2	7.3	527.0	60.0	509.2	7.3	1.7
ERS19_4	145.60	1.41	0.64900	0.01100	0.08291	0.00097	0.23860	507.5	6.9	513.4	5.8	524.0	43.0	513.4	5.8	1.2
ERS19_29	247.00	4.52	0.73750	0.00980	0.08335	0.00097	0.28862	560.7	5.8	516.1	5.7	740.0	35.0	516.1	5.7	8.0
ERS19_118	236.50	0.94	0.68500	0.01300	0.08410	0.00088	0.17923	530.2	7.7	520.5	5.2	564.0	42.0	520.5	5.2	1.8
ERS19_26	313.00	2.59	0.69300	0.01400	0.08480	0.00130	0.28738	536.2	8.2	524.7	7.7	586.0	45.0	524.7	7.7	2.1
ERS19_27	182.30	1.47	0.69800	0.01200	0.08570	0.00110	0.18654	538.1	7.3	530.0	6.4	589.0	46.0	530.0	6.4	1.5
ERS19_76	136.80	1.20	0.70300	0.01400	0.08590	0.00140	0.34936	539.8	8.2	531.0	8.4	576.0	49.0	531.0	8.4	1.6
ERS19_88	120.50	2.09	0.76500	0.01800	0.08780	0.00140	0.38483	576.0	10.0	542.7	8.2	687.0	52.0	542.7	8.2	5.8
ERS19_7	184.00	28.10	0.77300	0.02100	0.08840	0.00190	0.07255	581.0	12.0	546.0	11.0	726.0	74.0	546.0	11.0	6.0
ERS19_54	169.20	1.54	0.72200	0.01500	0.08900	0.00130	0.12369	551.0	9.1	549.6	7.8	548.0	57.0	549.6	7.8	0.3
ERS19_65	41.10	1.42	0.82800	0.03000	0.08910	0.00220	0.05824	610.0	17.0	550.0	13.0	804.0	89.0	550.0	13.0	9.8
ERS19_33	190.60	0.53	0.74800	0.01500	0.08990	0.00110	0.02877	566.2	8.5	555.1	6.3	610.0	49.0	555.1	6.3	2.0
ERS19_117	113.00	1.21	0.77100	0.01500	0.09090	0.00140	0.22025	579.7	8.4	560.8	8.3	669.0	53.0	560.8	8.3	3.3
ERS19_79	146.90	2.57	0.79900	0.01600	0.09160	0.00140	0.19037	595.5	9.1	564.8	8.4	765.0	47.0	564.8	8.4	5.2
ERS19_24	97.70	0.66	0.86400	0.02300	0.09180	0.00170	0.16383	631.0	13.0	566.0	10.0	856.0	59.0	566.0	10.0	10.3
ERS19_66	227.00	2.22	0.75100	0.01300	0.09279	0.00091	0.39121	568.0	7.6	572.0	5.4	575.0	35.0	572.0	5.4	0.7
ERS19_107	602.00	128.00	0.75600	0.01600	0.09310	0.00140	0.24999	571.2	9.5	573.9	8.3	588.0	50.0	573.9	8.3	0.5
ERS19_35	209.70	2.40	0.82500	0.01400	0.09450	0.00140	0.41948	611.7	7.3	582.1	8.1	741.0	37.0	582.1	8.1	4.8
ERS19_83	93.80	1.54	0.78700	0.01700	0.09550	0.00140	0.33596	588.5	9.7	588.0	8.5	597.0	46.0	588.0	8.5	0.1
ERS19_39	154.00	1.53	0.80500	0.01900	0.09610	0.00150	0.40311	599.0	11.0	591.2	8.9	648.0	48.0	591.2	8.9	1.3
ERS19_82	109.00	0.64	0.81900	0.01800	0.09630	0.00150	0.30577	606.7	9.9	592.8	9.1	643.0	52.0	592.8	9.1	2.3
ERS19_70	36.70	0.86	0.82700	0.02800	0.09780	0.00240	0.15064	612.0	16.0	601.0	14.0	660.0	84.0	601.0	14.0	1.8
ERS19_55	535.00	2.61	0.83680	0.00820	0.09803	0.00083	0.23809	617.2	4.5	602.8	4.9	656.0	24.0	602.8	4.9	2.3
ERS19_38	204.70	6.92	0.82200	0.01300	0.09830	0.00160	0.45800	608.5	7.3	604.6	9.2	624.0	39.0	604.6	9.2	0.6
ERS19_11	577.00	4.28	0.83600	0.00910	0.09840	0.00100	0.46460	617.4	4.9	605.1	5.9	648.0	22.0	605.1	5.9	2.0
ERS19_1	192.00	115.80	0.82100	0.01100	0.09870	0.00140	0.46382	609.4	6.2	606.6	8.0	614.0	34.0	606.6	8.0	0.5
ERS19_61	264.00	1.07	0.85600	0.01400	0.09950	0.00150	0.45537	627.6	7.6	611.5	8.6	707.0	35.0	611.5	8.6	2.6
ERS19_119	296.20	1.05	0.84100	0.01100	0.09960	0.00110	0.08604	619.7	6.2	612.0	6.4	630.0	37.0	612.0	6.4	1.2
ERS19_110	124.70	0.67	0.85400	0.02100	0.10000	0.00110	0.18793	626.0	11.0	614.6	6.3	665.0	54.0	614.6	6.3	1.8
ERS19_80	106.70	0.41	0.90100	0.01700	0.10040	0.00150	0.29532	652.9	8.8	616.4	8.8	764.0	44.0	616.4	8.8	5.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS19_36	269.20	0.65	0.85800	0.01300	0.10060	0.00110	0.39281	628.4	7.3	618.0	6.4	657.0	36.0	618.0	6.4	1.7
ERS19_105	103.20	12.08	0.82700	0.03100	0.10130	0.00240	0.15771	611.0	17.0	622.0	14.0	560.0	110.0	622.0	14.0	1.8
ERS19_116	122.30	0.61	0.90700	0.02000	0.10160	0.00160	0.40741	655.0	11.0	623.6	9.3	769.0	50.0	623.6	9.3	4.8
ERS19_19	133.00	2.03	0.87000	0.01800	0.10160	0.00150	0.28330	634.5	9.6	623.9	8.7	654.0	42.0	623.9	8.7	1.7
ERS19_17	40.10	2.74	0.89500	0.03600	0.10170	0.00360	0.51702	649.0	19.0	624.0	21.0	758.0	79.0	624.0	21.0	3.9
ERS19_46	439.00	12.85	0.86300	0.03300	0.10160	0.00250	0.68136	631.0	18.0	624.0	15.0	687.0	62.0	624.0	15.0	1.1
ERS19_37	228.00	3.11	0.87300	0.01300	0.10360	0.00100	0.06452	637.8	7.0	635.5	6.1	644.0	36.0	635.5	6.1	0.4
ERS19_109	167.00	1.48	0.88200	0.01600	0.10500	0.00150	0.43171	642.3	9.1	643.8	8.5	651.0	43.0	643.8	8.5	0.2
ERS19_43	82.50	0.61	0.88400	0.02500	0.10520	0.00180	0.23547	642.0	13.0	645.0	11.0	605.0	62.0	645.0	11.0	0.5
ERS19_113	318.00	1.77	0.89900	0.01400	0.10600	0.00110	0.46747	650.6	7.3	649.2	6.3	663.0	29.0	649.2	6.3	0.2
ERS19_112	159.00	1.26	0.91500	0.01900	0.10660	0.00190	0.33223	660.1	9.8	653.0	11.0	686.0	44.0	653.0	11.0	1.1
ERS19_59	172.00	1.19	0.91300	0.01500	0.10780	0.00110	0.03801	658.2	7.8	660.2	6.6	649.0	42.0	660.2	6.6	0.3
ERS19_40	37.88	1.36	0.92900	0.03200	0.10970	0.00200	0.23820	665.0	17.0	671.0	12.0	670.0	73.0	671.0	12.0	0.9
ERS19_34	690.00	3.86	0.91800	0.01100	0.11030	0.00120	0.34006	660.9	5.8	674.2	7.0	623.0	27.0	674.2	7.0	2.0
ERS19_69	97.20	1.26	1.06100	0.02000	0.12040	0.00160	0.18327	735.0	10.0	732.7	9.0	722.0	50.0	732.7	9.0	0.3
ERS19_120	203.70	2.35	1.12800	0.02200	0.12100	0.00210	0.46254	766.0	10.0	736.0	12.0	830.0	41.0	736.0	12.0	3.9
ERS19_86	66.60	1.47	1.10800	0.02700	0.12300	0.00200	0.40683	757.0	13.0	748.0	11.0	768.0	49.0	748.0	11.0	1.2
ERS19_78	356.00	3.81	1.36400	0.03800	0.12390	0.00450	0.86134	871.0	16.0	752.0	26.0	1202.0	34.0	752.0	26.0	13.7
ERS19_121	66.30	1.57	1.11000	0.02700	0.12450	0.00220	0.31277	759.0	12.0	756.0	13.0	765.0	52.0	756.0	13.0	0.4
ERS19_99	115.00	1.01	1.19200	0.02300	0.13130	0.00190	0.26921	796.0	11.0	795.0	11.0	763.0	43.0	795.0	11.0	0.1
ERS19_90	598.00	1.85	1.43500	0.01600	0.14670	0.00210	0.70643	903.3	6.8	882.0	12.0	964.0	23.0	882.0	12.0	2.4
ERS19_94	135.90	1.11	1.63400	0.04300	0.15540	0.00440	0.69301	981.0	17.0	931.0	24.0	1099.0	42.0	931.0	24.0	5.1
ERS19_30	126.00	1.94	1.63800	0.05300	0.15600	0.00580	0.62150	982.0	20.0	933.0	32.0	1102.0	59.0	933.0	32.0	5.0
ERS19_8	107.80	3.98	1.59300	0.04900	0.15810	0.00280	0.56791	966.0	19.0	946.0	15.0	1029.0	44.0	946.0	15.0	2.1
ERS19_41	165.00	1.45	1.57600	0.01800	0.15970	0.00210	0.36829	960.2	7.2	957.0	11.0	989.0	28.0	989.0	28.0	3.2
ERS19_123	92.20	3.49	1.65800	0.03400	0.16020	0.00250	0.47340	993.0	13.0	958.0	14.0	1035.0	40.0	1035.0	40.0	7.4
ERS19_18	58.50	1.96	1.83900	0.03800	0.17740	0.00310	0.17933	1058.0	14.0	1052.0	17.0	1048.0	54.0	1048.0	54.0	0.4
ERS19_124	73.70	2.12	1.79900	0.03800	0.17430	0.00230	0.24173	1045.0	13.0	1036.0	12.0	1050.0	43.0	1050.0	43.0	1.3
ERS19_62	141.70	3.62	1.71400	0.03800	0.16840	0.00400	0.64705	1012.0	14.0	1003.0	22.0	1053.0	46.0	1053.0	46.0	4.7
ERS19_77	238.00	5.08	1.84300	0.02000	0.17870	0.00170	0.30665	1060.6	7.3	1059.6	9.3	1064.0	23.0	1064.0	23.0	0.4
ERS19_74	76.60	1.70	1.89400	0.03600	0.18470	0.00210	0.33827	1080.0	13.0	1092.0	12.0	1072.0	38.0	1072.0	38.0	1.9
ERS19_21	199.00	1.58	1.73400	0.04800	0.16670	0.00360	0.82150	1025.0	17.0	1000.0	20.0	1077.0	35.0	1077.0	35.0	7.1
ERS19_44	131.40	1.72	1.78100	0.02400	0.17060	0.00210	0.41816	1038.1	9.0	1015.0	12.0	1080.0	27.0	1080.0	27.0	6.0
ERS19_85	52.80	0.53	2.19600	0.05600	0.20660	0.00490	0.43964	1183.0	19.0	1210.0	26.0	1109.0	46.0	1109.0	46.0	9.1
ERS19_45	21.01	1.05	1.92100	0.05600	0.17850	0.00470	0.04756	1086.0	19.0	1062.0	26.0	1134.0	70.0	1134.0	70.0	6.3
ERS19_104	84.40	1.63	1.98700	0.05900	0.18520	0.00650	0.13437	1110.0	20.0	1095.0	35.0	1138.0	83.0	1138.0	83.0	3.8
ERS19_31	136.20	1.95	1.89100	0.02400	0.17780	0.00200	0.29944	1078.3	8.8	1055.0	11.0	1148.0	31.0	1148.0	31.0	8.1
ERS19_95	24.95	1.71	2.15000	0.05600	0.19080	0.00390	0.14320	1165.0	18.0	1125.0	21.0	1197.0	56.0	1197.0	56.0	6.0
ERS19_13	53.80	1.95	2.30000	0.04500	0.19820	0.00250	0.25402	1214.0	13.0	1165.0	13.0	1307.0	40.0	1307.0	40.0	10.9
ERS19_28	288.00	2.34	2.83500	0.03000	0.23650	0.00290	0.33998	1365.4	8.2	1368.0	15.0	1360.0	25.0	1360.0	25.0	0.6
ERS19_71	128.00	5.70	2.76800	0.05300	0.23040	0.00390	0.58054	1347.0	15.0	1336.0	21.0	1362.0	38.0	1362.0	38.0	1.9
ERS19_60	57.55	1.25	2.65500	0.05700	0.21450	0.00300	0.15805	1313.0	16.0	1252.0	16.0	1420.0	46.0	1420.0	46.0	11.8
ERS19_96	34.80	0.75	3.14800	0.07800	0.24650	0.00480	0.52855	1441.0	19.0	1419.0	25.0	1433.0	42.0	1433.0	42.0	1.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
ERS19_51	157.70	0.92	3.17700	0.03500	0.25220	0.00220	0.53313	1452.0	8.5	1450.0	11.0	1459.0	17.0	1459.0	17.0	0.6
ERS19_114	60.30	0.97	2.86300	0.05400	0.22600	0.00350	0.47674	1371.0	14.0	1313.0	18.0	1463.0	32.0	1463.0	32.0	10.3
ERS19_97	44.00	1.22	2.80000	0.06800	0.21840	0.00380	0.26314	1357.0	17.0	1273.0	20.0	1500.0	50.0	1500.0	50.0	15.1
ERS19_53	697.00	9.00	2.55100	0.09000	0.19360	0.00920	0.80649	1283.0	26.0	1139.0	50.0	1554.0	55.0	1554.0	55.0	26.7
ERS19_20	165.00	2.22	3.66600	0.04800	0.27590	0.00350	0.51812	1565.0	10.0	1571.0	17.0	1558.0	23.0	1558.0	23.0	0.8
ERS19_63	60.00	1.17	3.68400	0.05000	0.27370	0.00370	0.14967	1568.0	11.0	1559.0	19.0	1589.0	34.0	1589.0	34.0	1.9
ERS19_52	135.00	2.52	3.73900	0.05300	0.26550	0.00330	0.69177	1579.0	11.0	1517.0	17.0	1636.0	21.0	1636.0	21.0	7.3
ERS19_100	85.20	2.59	3.44000	0.05500	0.24160	0.00410	0.39084	1512.0	13.0	1398.0	21.0	1687.0	37.0	1687.0	37.0	17.1
ERS19_22	209.10	0.82	4.28900	0.06700	0.28990	0.00490	0.69405	1693.0	13.0	1640.0	24.0	1735.0	25.0	1735.0	25.0	5.5
ERS19_68	7.46	0.43	4.46000	0.18000	0.30150	0.00890	0.29033	1723.0	36.0	1696.0	44.0	1777.0	88.0	1777.0	88.0	4.6
ERS19_47	464.30	2.42	4.25400	0.05700	0.28140	0.00650	0.61645	1684.0	11.0	1598.0	33.0	1811.0	30.0	1811.0	30.0	11.8
ERS19_125	174.00	0.98	3.93000	0.16000	0.25250	0.00810	0.95373	1619.0	34.0	1449.0	42.0	1834.0	23.0	1834.0	23.0	21.0
ERS19_89	222.00	1.42	5.38500	0.04100	0.34250	0.00290	0.55446	1882.1	6.5	1899.0	14.0	1870.0	15.0	1870.0	15.0	1.6
ERS19_56	187.00	0.68	5.94800	0.07400	0.35520	0.00430	0.45012	1969.0	11.0	1959.0	20.0	1973.0	21.0	1973.0	21.0	0.7
ERS19_101	71.80	0.82	6.28800	0.07600	0.37060	0.00520	0.59076	2016.0	11.0	2031.0	24.0	1991.0	21.0	1991.0	21.0	2.0
ERS19_106	98.40	3.56	5.24000	0.12000	0.30630	0.00650	0.85864	1860.0	21.0	1722.0	32.0	1999.0	27.0	1999.0	27.0	13.9
ERS19_122	128.00	1.09	5.10000	0.18000	0.29800	0.01000	0.93954	1831.0	30.0	1680.0	50.0	2011.0	20.0	2011.0	20.0	16.5
ERS19_32	56.00	1.03	8.21000	0.11000	0.43500	0.00600	0.59681	2255.0	12.0	2331.0	27.0	2179.0	20.0	2179.0	20.0	7.0
ERS19_64	685.00	1.80	7.38000	0.14000	0.32100	0.00690	0.94849	2157.0	18.0	1793.0	34.0	2524.0	12.0	2524.0	12.0	29.0
ERS19_10	118.00	1.69	10.53000	0.21000	0.43910	0.00700	0.79493	2481.0	18.0	2346.0	31.0	2583.0	17.0	2583.0	17.0	9.2
ERS19_115	97.60	1.82	16.67000	0.33000	0.53130	0.00970	0.82214	2922.0	19.0	2758.0	40.0	3034.0	18.0	3034.0	18.0	9.1
ERS19_87	78.30	1.04	19.85000	0.21000	0.60660	0.00740	0.53204	3084.0	10.0	3060.0	29.0	3104.0	16.0	3104.0	16.0	1.4
RIO AZERO																
ENTRE RIOS																
BT01: Petaca Fm., Pre-Neogene (n=109), (19.66°S, 64.04°W)																
BT01_80	36.60	0.52	0.19550	0.00890	0.02522	0.00044	0.25764	180.8	7.5	160.6	2.8	440.0	64.0	160.6	2.8	11.2
BT01_49	175.00	1.01	0.34110	0.00500	0.04451	0.00042	0.34138	297.8	3.8	280.7	2.6	442.0	19.0	280.7	2.6	5.7
BT01_44	29.70	0.85	0.95000	0.12000	0.04450	0.00110	0.80725	644.0	62.0	280.8	6.9	2080.0	220.0	280.8	6.9	56.4
BT01_6	28.40	0.81	1.60500	0.07100	0.07520	0.00120	0.08196	967.0	30.0	467.2	7.0	2390.0	79.0	467.2	7.0	51.7
BT01_62	178.60	0.31	0.72400	0.03800	0.07970	0.00110	0.50504	549.0	20.0	494.5	6.7	761.0	70.0	494.5	6.7	9.9
BT01_110	108.00	2.69	0.64100	0.01000	0.08001	0.00093	0.29572	503.4	6.3	496.1	5.6	549.0	20.0	496.1	5.6	1.5
BT01_29	520.00	7.55	0.66220	0.00560	0.08220	0.00059	0.66740	515.8	3.4	509.2	3.5	540.1	8.8	509.2	3.5	1.3
BT01_1	165.00	1.17	0.69580	0.00740	0.08318	0.00073	0.50032	536.1	4.4	515.1	4.3	599.0	17.0	515.1	4.3	3.9
BT01_35	48.60	2.58	0.99100	0.03600	0.08310	0.00270	0.35884	703.0	18.0	517.0	17.0	1331.0	68.0	517.0	17.0	26.5
BT01_43	67.90	0.64	0.69300	0.01800	0.08380	0.00180	0.61444	535.0	11.0	518.0	10.0	579.0	33.0	518.0	10.0	3.2
BT01_104	496.00	1.14	0.68550	0.00930	0.08450	0.00130	0.65710	529.8	5.6	523.8	7.7	563.0	16.0	523.8	7.7	1.1
BT01_63	58.70	0.56	0.69300	0.01400	0.08488	0.00093	0.56415	534.1	8.2	525.1	5.6	578.0	26.0	525.1	5.6	1.7
BT01_60	76.60	0.49	0.67820	0.00920	0.08497	0.00075	0.40959	525.4	5.6	525.7	4.5	532.0	19.0	525.7	4.5	0.1
BT01_70	467.00	57.30	0.68570	0.00620	0.08568	0.00095	0.64751	530.1	3.7	529.9	5.6	520.0	12.0	529.9	5.6	0.0
BT01_2	209.00	1.56	0.68890	0.00960	0.08576	0.00083	0.54450	531.8	5.8	530.4	4.9	534.0	14.0	530.4	4.9	0.3
BT01_79	70.10	1.15	0.68980	0.00890	0.08590	0.00097	0.42443	534.0	5.7	531.2	5.8	523.0	22.0	531.2	5.8	0.5
BT01_77	53.50	0.49	0.76000	0.01400	0.08681	0.00098	0.06508	573.4	7.8	536.6	5.8	724.0	26.0	536.6	5.8	6.4
BT01_84	240.00	0.97	0.69880	0.00780	0.08771	0.00090	0.38476	537.9	4.7	541.9	5.3	540.0	18.0	541.9	5.3	0.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT01_16	312.00	4.00	0.71800	0.00610	0.08783	0.00068	0.44417	549.4	3.6	542.6	4.0	580.0	12.0	542.6	4.0	1.2
BT01_76	484.00	2.19	0.78500	0.01100	0.08790	0.00140	0.10050	588.0	6.3	543.0	8.4	752.0	41.0	543.0	8.4	7.7
BT01_58	88.20	1.42	1.30600	0.02900	0.08830	0.00260	0.50003	847.0	13.0	545.0	15.0	1755.0	86.0	545.0	15.0	35.7
BT01_3	51.60	0.39	0.73700	0.01100	0.08872	0.00084	0.46216	561.1	6.4	547.9	5.0	599.0	19.0	547.9	5.0	2.4
BT01_13	39.90	0.26	0.74700	0.01100	0.09030	0.00100	0.29061	565.9	6.2	557.3	6.2	607.0	20.0	557.3	6.2	1.5
BT01_109	75.10	1.33	0.74200	0.01000	0.09123	0.00085	0.44078	564.9	6.1	562.8	5.0	584.0	15.0	562.8	5.0	0.4
BT01_57	225.00	3.20	0.74580	0.00640	0.09141	0.00071	0.57168	565.7	3.7	563.9	4.2	588.8	8.9	563.9	4.2	0.3
BT01_33	78.40	1.08	0.77500	0.01500	0.09150	0.00160	0.76343	582.3	8.6	564.5	9.3	645.0	17.0	564.5	9.3	3.1
BT01_7	100.70	1.51	0.76100	0.01200	0.09210	0.00120	0.50629	574.5	7.0	567.9	6.8	616.0	18.0	567.9	6.8	1.1
BT01_41	170.60	2.75	0.86100	0.01300	0.09320	0.00180	0.15970	630.3	7.1	574.0	11.0	814.0	37.0	574.0	11.0	8.9
BT01_98	103.40	1.54	0.78600	0.01200	0.09341	0.00090	0.25651	588.6	6.6	575.6	5.3	642.0	16.0	575.6	5.3	2.2
BT01_114	86.10	0.33	0.77500	0.01100	0.09380	0.00120	0.45836	582.4	6.4	577.7	6.8	609.0	24.0	577.7	6.8	0.8
BT01_25	52.20	1.26	0.82300	0.03000	0.09420	0.00250	0.80872	610.0	17.0	580.0	15.0	742.0	31.0	580.0	15.0	4.9
BT01_78	84.20	1.08	0.78600	0.01100	0.09514	0.00072	0.19171	590.2	5.8	585.9	4.3	605.0	18.0	585.9	4.3	0.7
BT01_19	23.20	0.26	0.91400	0.03700	0.09520	0.00140	0.33498	658.0	19.0	586.1	8.2	897.0	67.0	586.1	8.2	10.9
BT01_30	156.00	3.39	0.77950	0.00730	0.09546	0.00073	0.29880	585.0	4.1	587.7	4.3	580.0	13.0	587.7	4.3	0.5
BT01_64	404.00	8.16	0.80010	0.00860	0.09570	0.00110	0.79873	596.7	4.8	589.0	6.4	622.0	10.0	589.0	6.4	1.3
BT01_8	69.70	1.33	0.83900	0.01400	0.09590	0.00087	0.38152	619.4	7.3	590.3	5.1	728.0	20.0	590.3	5.1	4.7
BT01_59	166.00	1.95	0.78900	0.01300	0.09592	0.00099	0.57495	588.2	6.4	590.4	5.8	579.0	19.0	590.4	5.8	0.4
BT01_51	87.80	0.46	0.81580	0.00960	0.09636	0.00070	0.27089	606.3	5.2	593.0	4.1	647.0	19.0	593.0	4.1	2.2
BT01_45	273.00	9.21	0.84500	0.02000	0.09670	0.00160	0.74357	621.0	11.0	594.7	9.6	688.0	18.0	594.7	9.6	4.2
BT01_103	42.50	0.56	0.83900	0.02000	0.09728	0.00089	0.37540	617.0	11.0	598.4	5.3	684.0	33.0	598.4	5.3	3.0
BT01_24	371.00	23.70	0.83340	0.00670	0.09836	0.00095	0.54999	615.8	3.7	604.7	5.6	652.0	13.0	604.7	5.6	1.8
BT01_99	85.60	1.48	0.83700	0.01200	0.10030	0.00120	0.53785	617.3	6.5	616.1	7.0	608.0	19.0	616.1	7.0	0.2
BT01_67	38.62	0.47	0.85000	0.01300	0.10040	0.00130	0.19382	623.9	7.3	616.9	7.5	645.0	25.0	616.9	7.5	1.1
BT01_61	104.60	0.73	0.87900	0.01100	0.10095	0.00091	0.35337	640.0	5.9	619.9	5.3	726.0	16.0	619.9	5.3	3.1
BT01_91	406.00	5.42	0.86100	0.01400	0.10240	0.00160	0.81352	630.3	7.6	628.6	9.2	641.0	15.0	628.6	9.2	0.3
BT01_102	155.00	0.94	0.86900	0.01500	0.10260	0.00140	0.74528	634.4	8.3	629.7	8.4	644.0	11.0	629.7	8.4	0.7
BT01_94	68.90	0.60	0.97600	0.02400	0.10530	0.00260	0.61759	691.0	12.0	645.0	15.0	851.0	35.0	645.0	15.0	6.7
BT01_11	103.80	1.24	0.92200	0.01300	0.10960	0.00140	0.54227	662.9	7.0	670.3	8.3	633.0	15.0	670.3	8.3	1.1
BT01_108	197.00	3.32	0.93820	0.00860	0.11008	0.00072	0.51436	671.7	4.5	673.2	4.2	663.3	9.2	673.2	4.2	0.2
BT01_39	110.20	4.31	1.10100	0.01400	0.11570	0.00100	0.60770	754.5	7.0	705.9	5.9	886.0	16.0	705.9	5.9	6.4
BT01_72	65.60	1.19	1.67000	0.15000	0.11710	0.00180	0.22660	978.0	58.0	714.0	10.0	1570.0	180.0	714.0	10.0	27.0
BT01_92	65.20	1.64	1.05800	0.01600	0.11960	0.00130	0.31298	732.4	8.0	728.2	7.4	750.0	23.0	728.2	7.4	0.6
BT01_23	125.90	1.15	1.17300	0.01800	0.12440	0.00170	0.75570	788.5	8.7	755.5	9.6	873.0	12.0	755.5	9.6	4.2
BT01_73	25.80	0.21	1.30700	0.03000	0.13610	0.00180	0.45800	849.0	14.0	822.0	10.0	914.0	24.0	822.0	10.0	3.2
BT01_101	5.69	0.54	2.48000	0.13000	0.14770	0.00780	0.52789	1261.0	38.0	894.0	45.0	1970.0	54.0	894.0	45.0	29.1
BT01_69	64.90	1.93	1.55800	0.01900	0.15650	0.00140	0.57817	952.9	7.8	937.2	7.7	983.0	13.0	937.2	7.7	1.6
BT01_50	46.66	1.35	1.58800	0.01700	0.15770	0.00140	0.34115	965.0	6.5	944.1	7.7	1013.0	15.0	944.1	7.7	2.2
BT01_88	79.00	1.47	1.78100	0.01700	0.17440	0.00160	0.38403	1038.2	6.2	1037.5	8.6	1050.0	13.0	1050.0	13.0	1.2
BT01_90	82.20	1.62	1.81500	0.02600	0.17710	0.00240	0.70416	1052.1	9.1	1051.0	13.0	1054.0	12.0	1054.0	12.0	0.3
BT01_85	84.90	1.13	1.80500	0.01400	0.17460	0.00130	0.37135	1047.5	5.2	1037.2	6.9	1062.0	10.0	1062.0	10.0	2.3
BT01_93	75.10	1.77	1.92500	0.02700	0.18360	0.00260	0.63645	1088.9	9.3	1088.0	14.0	1072.0	13.0	1072.0	13.0	1.5

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT01_100	137.60	2.77	1.83200	0.02500	0.17700	0.00230	0.71799	1056.5	8.9	1051.0	13.0	1086.0	14.0	1086.0	14.0	3.2
BT01_54	95.40	0.89	1.70200	0.02400	0.16240	0.00200	0.77029	1010.0	9.0	970.0	11.0	1087.1	8.0	1087.1	8.0	10.8
BT01_105	176.00	2.68	1.82800	0.01600	0.17370	0.00180	0.59696	1056.1	5.9	1032.0	10.0	1106.0	11.0	1106.0	11.0	6.7
BT01_75	253.50	3.97	2.08600	0.01500	0.19260	0.00140	0.73336	1144.6	4.9	1135.4	7.8	1163.4	6.0	1163.4	6.0	2.4
BT01_83	191.10	1.16	2.15900	0.02100	0.19810	0.00180	0.73306	1168.4	6.5	1165.1	9.9	1174.2	9.4	1174.2	9.4	0.8
BT01_68	96.30	3.16	2.16300	0.05900	0.19510	0.00640	0.69249	1169.0	18.0	1147.0	34.0	1187.0	39.0	1187.0	39.0	3.4
BT01_21	158.00	1.55	1.97600	0.03000	0.18090	0.00260	0.65463	1107.0	10.0	1074.0	13.0	1188.0	18.0	1188.0	18.0	9.6
BT01_52	82.40	1.22	1.95700	0.05700	0.17300	0.00140	0.40151	1099.0	19.0	1028.4	7.6	1225.0	49.0	1225.0	49.0	16.0
BT01_56	161.90	2.63	2.13100	0.03500	0.18590	0.00360	0.41688	1160.0	11.0	1102.0	21.0	1259.0	36.0	1259.0	36.0	12.5
BT01_5	93.50	1.17	2.28100	0.02100	0.19960	0.00190	0.51720	1207.8	6.7	1173.1	9.9	1261.0	11.0	1261.0	11.0	7.0
BT01_12	118.60	1.18	2.08500	0.02800	0.18300	0.00320	0.75596	1144.6	9.3	1083.0	17.0	1269.0	11.0	1269.0	11.0	14.7
BT01_17	64.50	1.16	1.95900	0.05300	0.16960	0.00170	0.21183	1100.0	19.0	1009.9	9.3	1275.0	51.0	1275.0	51.0	20.8
BT01_81	56.30	0.39	2.60400	0.02300	0.22560	0.00230	0.38508	1301.5	6.5	1311.0	12.0	1283.0	10.0	1283.0	10.0	2.2
BT01_32	217.00	1.02	2.71300	0.01900	0.22860	0.00150	0.70082	1331.9	5.2	1327.1	8.1	1328.6	6.0	1328.6	6.0	0.1
BT01_107	78.50	0.70	2.80900	0.01900	0.23700	0.00200	0.47271	1357.8	5.1	1371.0	11.0	1344.5	8.6	1344.5	8.6	2.0
BT01_111	200.00	0.81	2.79400	0.01800	0.23500	0.00160	0.48805	1353.8	4.7	1360.5	8.4	1355.4	6.6	1355.4	6.6	0.4
BT01_71	49.10	0.47	2.69800	0.02600	0.22460	0.00220	0.54331	1327.3	7.2	1306.0	12.0	1360.0	10.0	1360.0	10.0	4.0
BT01_48	41.50	1.41	2.78200	0.04100	0.23030	0.00340	0.68931	1353.0	11.0	1335.0	18.0	1381.0	15.0	1381.0	15.0	3.3
BT01_113	55.36	0.90	2.79500	0.02700	0.22240	0.00180	0.38570	1353.9	7.3	1294.4	9.4	1460.0	10.0	1460.0	10.0	11.3
BT01_66	161.20	2.10	3.17800	0.02400	0.25040	0.00190	0.58852	1451.5	5.9	1441.0	10.0	1468.0	8.6	1468.0	8.6	1.8
BT01_14	140.40	1.47	3.16700	0.03300	0.25000	0.00230	0.66502	1448.5	8.1	1438.0	12.0	1479.8	9.4	1479.8	9.4	2.8
BT01_86	95.60	0.63	3.79300	0.03300	0.28610	0.00300	0.61457	1590.9	6.9	1622.0	15.0	1556.1	8.7	1556.1	8.7	4.2
BT01_22	37.60	1.28	3.27000	0.05500	0.22250	0.00220	0.25863	1472.0	13.0	1295.0	11.0	1732.0	13.0	1732.0	13.0	25.2
BT01_28	29.70	0.47	4.37000	0.13000	0.29710	0.00600	0.82916	1701.0	25.0	1680.0	30.0	1733.0	21.0	1733.0	21.0	3.1
BT01_4	109.70	0.87	4.42900	0.03900	0.30110	0.00320	0.70073	1717.2	7.3	1696.0	16.0	1736.5	8.8	1736.5	8.8	2.3
BT01_46	61.20	0.90	4.39800	0.03700	0.29750	0.00250	0.50911	1711.5	6.9	1679.0	13.0	1745.0	11.0	1745.0	11.0	3.8
BT01_42	33.90	1.13	4.07500	0.06500	0.27640	0.00420	0.71235	1648.0	13.0	1573.0	21.0	1756.0	14.0	1756.0	14.0	10.4
BT01_89	131.40	0.68	4.59300	0.02900	0.30830	0.00220	0.62778	1747.7	5.2	1732.0	11.0	1763.8	6.0	1763.8	6.0	1.8
BT01_20	120.80	0.58	4.83700	0.03900	0.32280	0.00290	0.56798	1791.1	6.8	1803.0	14.0	1774.6	7.2	1774.6	7.2	1.6
BT01_36	22.57	0.77	4.49900	0.05400	0.29510	0.00270	0.46232	1731.1	9.8	1669.0	13.0	1789.0	12.0	1789.0	12.0	6.7
BT01_9	52.50	0.64	3.60000	0.19000	0.23500	0.00230	0.31786	1543.0	44.0	1360.0	12.0	1794.0	92.0	1794.0	92.0	24.2
BT01_27	90.40	0.41	4.55700	0.03600	0.29490	0.00410	0.76924	1741.1	6.5	1665.0	21.0	1833.0	13.0	1833.0	13.0	9.2
BT01_116	35.00	0.64	4.44000	0.05300	0.28650	0.00310	0.32444	1720.9	9.6	1624.0	15.0	1839.0	17.0	1839.0	17.0	11.7
BT01_74	149.00	2.92	5.23600	0.06000	0.31930	0.00490	0.88216	1857.6	9.7	1785.0	24.0	1931.6	9.9	1931.6	9.9	7.6
BT01_38	116.00	0.74	5.70200	0.04000	0.34250	0.00250	0.72435	1931.3	6.1	1898.0	12.0	1954.9	5.7	1954.9	5.7	2.9
BT01_95	60.40	1.34	4.61700	0.07800	0.27430	0.00450	0.84559	1752.0	14.0	1562.0	23.0	1992.0	11.0	1992.0	11.0	21.6
BT01_40	123.20	1.08	6.14900	0.06500	0.35890	0.00310	0.51448	1997.0	9.2	1977.0	15.0	2003.0	8.2	2003.0	8.2	1.3
BT01_18	79.80	3.03	6.29700	0.05800	0.36320	0.00300	0.56279	2017.8	8.0	1997.0	14.0	2045.6	8.4	2045.6	8.4	2.4
BT01_34	155.10	0.85	7.01200	0.04500	0.38750	0.00310	0.34102	2113.4	5.8	2111.0	14.0	2110.4	9.0	2110.4	9.0	0.0
BT01_87	47.40	1.55	7.70000	0.07500	0.40420	0.00400	0.14794	2195.8	8.7	2188.0	18.0	2200.9	7.7	2200.9	7.7	0.6
BT01_96	197.30	1.23	5.51000	0.13000	0.28850	0.00260	0.49662	1899.0	20.0	1634.0	13.0	2204.0	33.0	2204.0	33.0	25.9
BT01_31	80.50	0.89	9.38800	0.08400	0.42520	0.00360	0.64724	2378.5	8.2	2284.0	16.0	2446.9	7.7	2446.9	7.7	6.7
BT01_82	68.80	2.72	11.74000	0.16000	0.48690	0.00750	0.48115	2585.0	13.0	2556.0	33.0	2572.0	18.0	2572.0	18.0	0.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT01_106	84.70	1.51	12.96000	0.14000	0.50810	0.00620	0.71255	2675.0	10.0	2647.0	27.0	2688.1	9.7	2688.1	9.7	1.5
BT01_97	179.30	0.73	11.48000	0.11000	0.44800	0.00450	0.07530	2564.3	9.2	2388.0	20.0	2708.0	21.0	2708.0	21.0	11.8
BT01_55	111.20	1.26	13.10000	0.15000	0.49080	0.00550	0.76244	2687.0	11.0	2573.0	24.0	2775.0	8.2	2775.0	8.2	7.3
BT01_15	62.50	1.26	14.29000	0.11000	0.50880	0.00400	0.77000	2770.3	7.4	2651.0	17.0	2858.9	6.0	2858.9	6.0	7.3
BT01_115	321.00	0.89	21.50000	0.17000	0.62170	0.00520	0.85669	3160.9	7.8	3116.0	21.0	3195.1	4.2	3195.1	4.2	2.5
BT04: Tariquia Fm., Early Miocene (n=111), (19.67°S, 64.05°W)																
BT04_35	117.60	0.65	0.15710	0.00540	0.02113	0.00023	0.46567	147.9	4.7	134.8	1.5	339.0	46.0	134.8	1.5	8.9
BT04_65	304.70	1.74	0.27460	0.00650	0.03802	0.00069	0.55779	245.3	4.9	240.5	4.3	289.0	30.0	240.5	4.3	2.0
BT04_98	332.00	0.96	0.49420	0.00480	0.06436	0.00052	0.72966	407.7	3.3	402.1	3.2	430.0	14.0	402.1	3.2	1.4
BT04_94	526.00	0.89	0.64500	0.01300	0.06967	0.00077	0.29292	505.0	8.2	434.1	4.7	826.0	41.0	434.1	4.7	14.0
BT04_63	53.60	0.40	0.72100	0.02500	0.07680	0.00120	0.18501	549.0	15.0	477.0	7.1	838.0	60.0	477.0	7.1	13.1
BT04_62	168.40	1.63	0.64200	0.01100	0.07700	0.00140	0.73961	503.2	6.8	478.0	8.1	623.0	19.0	478.0	8.1	5.0
BT04_54	51.20	1.34	0.70300	0.01900	0.07960	0.00110	0.52170	539.0	11.0	493.9	6.8	754.0	36.0	493.9	6.8	8.4
BT04_86	49.65	1.15	0.65200	0.01300	0.08100	0.00076	0.39483	509.3	8.1	502.1	4.5	531.0	25.0	502.1	4.5	1.4
BT04_84	127.40	0.41	0.65310	0.00910	0.08117	0.00081	0.51170	510.1	5.6	503.1	4.8	538.0	19.0	503.1	4.8	1.4
BT04_52	155.20	1.79	0.65250	0.00870	0.08130	0.00110	0.62541	509.8	5.3	503.7	6.6	562.0	21.0	503.7	6.6	1.2
BT04_33	504.00	18.20	0.71500	0.02000	0.08160	0.00170	0.12579	547.0	12.0	505.0	10.0	765.0	79.0	505.0	10.0	7.7
BT04_64	310.00	2.07	0.68230	0.00520	0.08385	0.00065	0.27367	528.1	3.2	519.0	3.8	562.0	12.0	519.0	3.8	1.7
BT04_61	27.00	1.24	0.74800	0.02500	0.08420	0.00110	0.40487	567.0	14.0	521.1	6.4	743.0	48.0	521.1	6.4	8.1
BT04_95	392.00	1.12	0.67770	0.00490	0.08423	0.00059	0.48838	525.3	3.0	521.3	3.5	543.0	10.0	521.3	3.5	0.8
BT04_100	177.00	1.07	0.68230	0.00900	0.08480	0.00110	0.69120	527.9	5.4	524.6	6.7	535.0	14.0	524.6	6.7	0.6
BT04_102	26.30	0.99	0.74400	0.01800	0.08640	0.00097	0.12353	563.0	10.0	534.1	5.7	686.0	35.0	534.1	5.7	5.1
BT04_14	118.20	0.71	0.71350	0.00970	0.08640	0.00062	0.27023	546.5	5.7	534.2	3.7	591.0	22.0	534.2	3.7	2.3
BT04_76	103.90	0.41	0.78000	0.02800	0.08640	0.00120	0.44506	583.0	15.0	534.3	7.1	757.0	42.0	534.3	7.1	8.4
BT04_9	79.80	1.48	0.90900	0.02400	0.08660	0.00088	0.46940	655.0	13.0	535.4	5.2	1090.0	43.0	535.4	5.2	18.3
BT04_57	200.00	2.44	0.85500	0.02600	0.08693	0.00084	0.29466	626.0	14.0	537.3	5.0	906.0	41.0	537.3	5.0	14.2
BT04_44	52.80	0.66	0.71030	0.00910	0.08705	0.00080	0.17801	546.0	5.4	538.0	4.8	582.0	19.0	538.0	4.8	1.5
BT04_17	45.60	0.68	0.71000	0.01000	0.08722	0.00071	0.18843	545.1	6.1	539.1	4.2	576.0	19.0	539.1	4.2	1.1
BT04_109	94.50	0.97	0.84000	0.02000	0.08740	0.00110	0.14258	618.0	11.0	539.9	6.4	910.0	47.0	539.9	6.4	12.6
BT04_67	394.00	106.00	0.73780	0.00650	0.08747	0.00079	0.44693	561.0	3.8	540.5	4.7	642.6	8.8	540.5	4.7	3.7
BT04_78	23.11	0.36	0.81800	0.02300	0.08800	0.00160	0.43158	606.0	13.0	543.3	9.2	875.0	43.0	543.3	9.2	10.3
BT04_59	48.40	0.63	0.83000	0.05100	0.08840	0.00120	0.60445	607.0	26.0	545.9	6.9	798.0	87.0	545.9	6.9	10.1
BT04_58	229.00	9.42	0.76700	0.01600	0.08846	0.00070	0.28363	577.2	8.9	546.4	4.1	676.0	29.0	546.4	4.1	5.3
BT04_18	203.00	2.40	0.71240	0.00530	0.08849	0.00061	0.36677	546.1	3.1	546.6	3.6	540.0	12.0	546.6	3.6	0.1
BT04_82	46.65	0.91	0.78400	0.01600	0.08878	0.00085	0.16457	587.1	9.0	548.3	5.1	708.0	33.0	548.3	5.1	6.6
BT04_53	222.30	13.20	0.74600	0.01100	0.08890	0.00120	0.59165	565.7	6.2	548.8	7.4	636.0	20.0	548.8	7.4	3.0
BT04_93	71.40	0.59	0.75100	0.01300	0.08917	0.00091	0.38731	568.3	7.4	550.6	5.4	643.0	25.0	550.6	5.4	3.1
BT04_85	40.90	0.20	0.76600	0.01600	0.08953	0.00098	0.57258	576.9	8.9	552.7	5.8	663.0	30.0	552.7	5.8	4.2
BT04_87	134.60	0.86	0.74890	0.00790	0.09007	0.00067	0.24944	568.0	4.5	556.5	4.1	616.0	13.0	556.5	4.1	2.0
BT04_111	46.80	1.03	0.73400	0.01200	0.09066	0.00096	0.30131	558.5	7.1	559.4	5.7	539.0	20.0	559.4	5.7	0.2
BT04_13	84.80	0.75	0.75970	0.00910	0.09099	0.00082	0.55837	573.6	5.2	561.4	4.8	624.0	14.0	561.4	4.8	2.1
BT04_99	206.00	1.75	0.79900	0.01600	0.09100	0.00120	0.38320	596.2	8.9	561.4	7.3	740.0	44.0	561.4	7.3	5.8

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT04_25	376.00	20.50	0.74850	0.00510	0.09099	0.00058	0.45143	567.7	2.9	561.8	3.4	599.3	9.4	561.8	3.4	1.0
BT04_3	199.00	2.10	0.75110	0.00600	0.09172	0.00054	0.29275	568.8	3.5	565.7	3.2	585.0	11.0	565.7	3.2	0.5
BT04_83	86.30	1.24	0.86600	0.02600	0.09210	0.00100	0.43311	631.0	14.0	568.0	6.0	854.0	46.0	568.0	6.0	10.0
BT04_101	134.00	2.11	0.74800	0.01200	0.09210	0.00120	0.77753	566.8	6.8	568.1	7.0	566.0	13.0	568.1	7.0	0.2
BT04_31	47.60	1.68	0.77200	0.01300	0.09210	0.00120	0.05628	580.2	7.3	568.2	7.0	621.0	28.0	568.2	7.0	2.1
BT04_6	235.00	10.14	0.74590	0.00470	0.09245	0.00055	0.33826	565.8	2.7	570.0	3.3	557.2	7.5	570.0	3.3	0.7
BT04_38	144.10	2.02	1.21000	0.12000	0.09250	0.00150	0.79263	800.0	52.0	570.0	8.9	1520.0	160.0	570.0	8.9	28.8
BT04_46	347.00	1.56	0.77210	0.00540	0.09284	0.00057	0.61953	580.9	3.1	572.3	3.4	618.2	7.2	572.3	3.4	1.5
BT04_12	200.00	1.51	0.76770	0.00680	0.09405	0.00066	0.17269	578.9	4.0	579.4	3.9	588.0	16.0	579.4	3.9	0.1
BT04_48	413.00	1.84	0.79760	0.00950	0.09400	0.00130	0.65583	595.2	5.4	579.4	7.4	656.0	17.0	579.4	7.4	2.7
BT04_2	51.60	1.17	0.78820	0.00990	0.09412	0.00090	0.21133	589.8	5.6	579.8	5.3	621.0	17.0	579.8	5.3	1.7
BT04_74	254.00	2.33	0.79400	0.01000	0.09422	0.00084	0.51331	593.3	5.8	580.4	4.9	645.0	19.0	580.4	4.9	2.2
BT04_89	92.80	4.05	0.85300	0.02600	0.09437	0.00097	0.52285	621.0	13.0	581.3	5.7	773.0	37.0	581.3	5.7	6.4
BT04_70	99.30	2.31	0.81700	0.02000	0.09551	0.00076	0.29278	606.0	10.0	588.0	4.5	688.0	36.0	588.0	4.5	3.0
BT04_27	76.70	0.46	0.78900	0.01500	0.09560	0.00120	0.15349	589.8	8.5	588.6	7.0	598.0	29.0	588.6	7.0	0.2
BT04_71	86.60	0.99	0.82380	0.00910	0.09563	0.00085	0.17411	609.9	5.1	590.0	4.8	663.0	17.0	590.0	4.8	3.3
BT04_8	173.10	0.72	0.79640	0.00660	0.09711	0.00075	0.54522	594.7	3.7	597.4	4.4	600.2	9.7	597.4	4.4	0.5
BT04_37	266.40	1.17	0.84800	0.01300	0.09810	0.00130	0.83214	624.1	7.5	603.3	7.5	690.0	15.0	603.3	7.5	3.3
BT04_19	319.20	3.04	0.92700	0.01300	0.09838	0.00061	0.21935	665.7	7.0	604.9	3.6	888.0	29.0	604.9	3.6	9.1
BT04_15	196.00	1.01	0.81100	0.01600	0.09840	0.00130	0.79949	604.2	8.8	605.0	7.8	611.0	16.0	605.0	7.8	0.1
BT04_29	11.80	1.03	0.90200	0.02900	0.09840	0.00170	0.26978	652.0	15.0	606.2	9.7	831.0	37.0	606.2	9.7	7.0
BT04_80	260.00	3.39	0.85000	0.01000	0.09950	0.00130	0.58124	624.6	5.6	611.5	7.5	658.0	17.0	611.5	7.5	2.1
BT04_30	230.80	1.52	0.82640	0.00550	0.09972	0.00066	0.40398	611.5	3.0	612.8	3.9	615.1	9.5	612.8	3.9	0.2
BT04_21	360.00	3.11	0.85000	0.01400	0.09990	0.00130	0.67335	625.2	7.3	613.6	7.5	671.0	20.0	613.6	7.5	1.9
BT04_36	167.00	2.56	0.84000	0.00730	0.10044	0.00073	0.34735	619.5	3.9	616.9	4.3	639.0	13.0	616.9	4.3	0.4
BT04_4	101.00	4.97	0.90900	0.03200	0.10050	0.00120	0.10660	651.0	15.0	617.1	6.8	742.0	51.0	617.1	6.8	5.2
BT04_103	6.25	0.96	1.02800	0.04500	0.10060	0.00270	0.09948	715.0	23.0	618.0	16.0	997.0	74.0	618.0	16.0	13.6
BT04_41	93.70	2.08	0.85500	0.01300	0.10150	0.00120	0.39707	626.9	6.8	623.2	6.8	644.0	16.0	623.2	6.8	0.6
BT04_108	78.00	0.92	0.92700	0.01600	0.10150	0.00110	0.48543	665.2	8.1	623.3	6.5	800.0	20.0	623.3	6.5	6.3
BT04_16	275.60	1.33	0.87310	0.00700	0.10285	0.00071	0.51190	637.1	3.8	631.1	4.2	657.0	11.0	631.1	4.2	0.9
BT04_32	229.00	0.74	0.94700	0.01300	0.10330	0.00077	0.31791	672.8	5.4	633.7	4.5	819.0	19.0	633.7	4.5	5.8
BT04_39	293.00	2.03	0.94530	0.00810	0.10390	0.00110	0.30809	675.5	4.2	637.4	6.5	786.0	16.0	637.4	6.5	5.6
BT04_106	240.00	7.77	0.91100	0.01200	0.10488	0.00074	0.33163	657.5	6.3	642.9	4.3	691.0	16.0	642.9	4.3	2.2
BT04_47	55.70	1.32	0.99700	0.01300	0.11330	0.00110	0.20511	702.9	6.5	691.9	6.3	726.0	16.0	691.9	6.3	1.6
BT04_96	156.20	1.16	1.14600	0.01400	0.12300	0.00130	0.59835	775.0	6.6	747.6	7.5	856.0	13.0	747.6	7.5	3.5
BT04_79	248.00	1.82	1.17900	0.02400	0.12450	0.00190	0.89106	790.0	11.0	756.0	11.0	900.0	13.0	756.0	11.0	4.3
BT04_43	17.52	0.67	1.19000	0.02100	0.12790	0.00150	0.14807	795.1	9.8	776.0	8.3	831.0	27.0	776.0	8.3	2.4
BT04_107	65.40	1.04	1.63400	0.02900	0.13200	0.00310	0.50075	983.0	11.0	799.0	17.0	1397.0	25.0	799.0	17.0	18.7
BT04_23	5.48	1.16	1.52700	0.06100	0.13320	0.00330	0.03039	937.0	24.0	806.0	19.0	1284.0	66.0	806.0	19.0	14.0
BT04_26	49.50	1.20	1.67900	0.01800	0.16630	0.00210	0.50290	1000.0	7.0	991.0	12.0	1030.0	15.0	1030.0	15.0	3.8
BT04_50	73.40	1.26	1.68300	0.01600	0.16580	0.00140	0.33865	1003.2	6.4	988.6	8.0	1031.0	14.0	1031.0	14.0	4.1
BT04_7	201.00	1.63	1.68100	0.01700	0.16590	0.00140	0.61214	1001.9	6.2	989.4	8.0	1031.3	9.6	1031.3	9.6	4.1
BT04_24	38.40	2.15	1.75000	0.01900	0.17170	0.00140	0.35392	1026.7	7.1	1021.3	7.9	1048.0	11.0	1048.0	11.0	2.5

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT04_110	179.00	1.65	1.83200	0.02000	0.17680	0.00220	0.55594	1056.6	7.2	1049.0	12.0	1054.0	12.0	1054.0	12.0	0.5
BT04_1	88.30	1.27	1.75800	0.01800	0.17010	0.00150	0.59413	1029.9	6.7	1012.5	8.5	1075.0	11.0	1075.0	11.0	5.8
BT04_60	43.40	1.52	1.68600	0.02500	0.16170	0.00160	0.26760	1002.4	9.5	966.3	8.7	1078.0	19.0	1078.0	19.0	10.4
BT04_55	106.20	1.94	1.72300	0.02400	0.16640	0.00130	0.66489	1018.9	9.2	992.8	7.1	1083.0	16.0	1083.0	16.0	8.3
BT04_88	35.30	1.10	1.86300	0.02700	0.17800	0.00210	0.28773	1067.0	9.7	1056.0	11.0	1097.0	16.0	1097.0	16.0	3.7
BT04_20	128.80	1.25	1.90900	0.01300	0.18051	0.00091	0.17711	1083.9	4.4	1069.7	4.9	1125.1	9.8	1125.1	9.8	4.9
BT04_11	81.00	1.16	2.03200	0.01900	0.19110	0.00120	0.47742	1126.7	6.6	1127.3	6.7	1135.0	10.0	1135.0	10.0	0.7
BT04_73	199.00	1.46	1.77200	0.02200	0.16170	0.00110	0.21909	1034.7	8.1	966.4	6.4	1181.0	21.0	1181.0	21.0	18.2
BT04_5	132.00	1.03	2.06000	0.01600	0.18710	0.00200	0.71802	1135.2	5.4	1105.0	11.0	1188.0	10.0	1188.0	10.0	7.0
BT04_104	220.40	0.97	2.03300	0.01800	0.18040	0.00200	0.52220	1126.3	6.0	1069.0	11.0	1227.0	11.0	1227.0	11.0	12.9
BT04_40	126.70	1.46	2.44500	0.02400	0.21780	0.00180	0.46778	1255.7	7.0	1269.9	9.7	1232.2	9.2	1232.2	9.2	3.1
BT04_34	148.20	1.47	1.91700	0.02300	0.17110	0.00150	0.51082	1087.4	7.8	1018.1	8.1	1235.0	18.0	1235.0	18.0	17.6
BT04_10	208.60	2.05	2.30300	0.01100	0.20440	0.00140	0.62480	1212.9	3.5	1198.9	7.3	1235.6	7.5	1235.6	7.5	3.0
BT04_77	67.30	1.39	2.46200	0.02700	0.21420	0.00180	0.34206	1260.6	7.9	1251.3	9.4	1289.3	9.9	1289.3	9.9	2.9
BT04_51	63.90	0.84	2.54500	0.02000	0.21820	0.00170	0.23695	1284.6	5.6	1272.5	9.1	1309.0	11.0	1309.0	11.0	2.8
BT04_66	211.30	1.42	2.48800	0.01900	0.21140	0.00170	0.54724	1268.5	5.5	1236.0	9.1	1325.3	8.6	1325.3	8.6	6.7
BT04_72	97.50	8.11	2.03400	0.04500	0.16840	0.00280	0.71262	1127.0	15.0	1003.0	15.0	1385.0	22.0	1385.0	22.0	27.6
BT04_91	166.00	1.59	2.37000	0.11000	0.19390	0.00540	0.71943	1228.0	31.0	1142.0	29.0	1408.0	59.0	1408.0	59.0	18.9
BT04_75	95.80	1.80	3.23600	0.02900	0.24610	0.00210	0.45504	1465.5	6.9	1418.0	11.0	1544.8	7.7	1544.8	7.7	8.2
BT04_105	17.37	0.57	3.93200	0.04300	0.27200	0.00320	0.46314	1620.8	8.6	1551.0	16.0	1711.0	12.0	1711.0	12.0	9.4
BT04_56	88.80	0.67	4.52800	0.06500	0.29800	0.00440	0.82112	1738.0	11.0	1681.0	22.0	1804.0	10.0	1804.0	10.0	6.8
BT04_97	92.70	1.54	5.95400	0.06600	0.34310	0.00320	0.62585	1968.5	9.6	1901.0	15.0	2049.0	11.0	2049.0	11.0	7.2
BT04_42	138.50	11.20	5.89600	0.08700	0.33290	0.00550	0.77167	1960.0	13.0	1852.0	27.0	2063.0	13.0	2063.0	13.0	10.2
BT04_49	112.40	0.97	6.31000	0.10000	0.36310	0.00570	0.67804	2019.0	15.0	1997.0	27.0	2064.0	17.0	2064.0	17.0	3.2
BT04_92	389.00	7.67	4.89900	0.06200	0.27470	0.00260	0.56371	1801.0	11.0	1565.0	13.0	2085.0	18.0	2085.0	18.0	24.9
BT04_45	418.00	1.99	5.96000	0.06300	0.32450	0.00470	0.77491	1969.2	9.1	1811.0	23.0	2146.0	15.0	2146.0	15.0	15.6
BT04_22	77.90	0.35	7.02100	0.04700	0.37390	0.00310	0.65967	2115.1	5.7	2047.0	15.0	2190.7	5.8	2190.7	5.8	6.6
BT04_69	44.30	0.37	7.17000	0.08900	0.37120	0.00340	0.41064	2132.0	11.0	2034.0	16.0	2220.0	12.0	2220.0	12.0	8.4
BT04_28	71.33	0.57	7.30000	0.15000	0.37680	0.00680	0.83698	2150.0	18.0	2060.0	32.0	2255.0	16.0	2255.0	16.0	8.6
BT04_68	40.40	1.10	10.24000	0.21000	0.41980	0.00750	0.81936	2453.0	19.0	2258.0	34.0	2615.1	9.7	2615.1	9.7	13.7
BT04_81	74.50	1.67	9.83900	0.07900	0.38000	0.00340	0.65977	2419.3	7.4	2076.0	16.0	2725.0	7.1	2725.0	7.1	23.8
BT04_90	78.90	0.80	13.67000	0.12000	0.47550	0.00450	0.69926	2727.4	8.2	2507.0	20.0	2891.1	6.7	2891.1	6.7	13.3
BT06: Guandacay Fm., Miocene (n=101), (19.62°S, 64.07°W)																
BT_06_13	202.00	0.77	0.37290	0.00700	0.05172	0.00076	0.33452	322.2	5.3	325.1	4.7	321.0	27.0	325.1	4.7	0.9
BT_06_12	113.00	0.34	0.45600	0.01100	0.06090	0.00110	0.55939	381.1	7.5	380.9	6.6	387.0	28.0	380.9	6.6	0.1
BT_06_86	234.00	0.78	0.58110	0.00690	0.07398	0.00075	0.31800	465.0	4.4	460.1	4.5	485.0	18.0	460.1	4.5	1.1
BT_06_59	327.00	1.85	0.72500	0.02200	0.07648	0.00098	0.53618	554.0	13.0	475.1	5.9	835.0	47.0	475.1	5.9	14.2
BT_06_19	89.50	0.53	0.69200	0.01500	0.07790	0.00110	0.21946	533.5	9.1	483.7	6.8	744.0	41.0	483.7	6.8	9.3
BT_06_95	204.00	2.05	0.64990	0.00990	0.08070	0.00110	0.57690	508.7	6.2	500.1	6.5	525.0	16.0	500.1	6.5	1.7
BT_06_45	296.00	3.84	1.07600	0.02600	0.08130	0.00140	0.03278	742.0	13.0	503.7	8.3	1535.0	59.0	503.7	8.3	32.1
BT_06_10	43.60	2.04	0.69700	0.02700	0.08190	0.00200	0.41153	538.0	16.0	507.0	12.0	621.0	41.0	507.0	12.0	5.8
BT_06_17	203.00	3.68	0.64200	0.01400	0.08220	0.00180	0.60347	505.4	8.9	509.0	11.0	505.0	25.0	509.0	11.0	0.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT_06_81	17.84	0.49	1.00100	0.05200	0.08270	0.00190	0.00003	698.0	26.0	512.0	12.0	1349.0	93.0	512.0	12.0	26.6
BT_06_53	19.66	0.45	1.11100	0.08400	0.08300	0.00270	0.44754	749.0	40.0	514.0	16.0	1600.0	120.0	514.0	16.0	31.4
BT_06_52	119.80	1.97	0.71100	0.01200	0.08445	0.00098	0.20303	545.7	7.3	522.6	5.8	641.0	19.0	522.6	5.8	4.2
BT_06_55	142.00	0.89	0.81400	0.02400	0.08560	0.00250	0.19780	604.0	13.0	529.0	15.0	868.0	63.0	529.0	15.0	12.4
BT_06_34	240.10	4.02	0.72600	0.01400	0.08680	0.00170	0.49435	553.6	8.2	536.7	9.9	624.0	29.0	536.7	9.9	3.1
BT_06_101	116.50	1.48	0.71500	0.01400	0.08820	0.00120	0.53094	547.5	8.5	544.7	7.3	546.0	21.0	544.7	7.3	0.5
BT_06_46	310.00	3.11	0.83000	0.02000	0.08860	0.00140	0.54179	614.0	11.0	547.2	8.0	883.0	43.0	547.2	8.0	10.9
BT_06_16	63.80	0.91	0.79500	0.02000	0.08900	0.00150	0.08819	593.0	11.0	549.3	8.7	776.0	48.0	549.3	8.7	7.4
BT_06_67	115.30	1.24	0.73400	0.01800	0.08980	0.00200	0.62768	558.0	10.0	554.0	12.0	576.0	23.0	554.0	12.0	0.7
BT_06_91	116.00	5.81	0.72800	0.01200	0.08980	0.00120	0.48197	555.0	6.9	554.1	7.2	571.0	16.0	554.1	7.2	0.2
BT_06_90	166.00	4.66	0.73100	0.01000	0.09060	0.00100	0.30488	557.1	5.8	558.8	6.0	552.0	19.0	558.8	6.0	0.3
BT_06_72	100.40	1.82	0.79400	0.02100	0.09130	0.00200	0.56039	594.0	12.0	563.0	12.0	745.0	31.0	563.0	12.0	5.2
BT_06_78	157.60	0.71	0.75670	0.00750	0.09143	0.00086	0.29084	571.9	4.4	563.9	5.1	601.0	17.0	563.9	5.1	1.4
BT_06_99	68.90	1.23	0.72600	0.01700	0.09170	0.00130	0.07713	553.0	10.0	565.6	7.6	499.0	33.0	565.6	7.6	2.3
BT_06_92	164.50	1.79	0.80200	0.02500	0.09180	0.00220	0.53670	596.0	14.0	566.0	13.0	675.0	35.0	566.0	13.0	5.0
BT_06_9	215.00	1.44	0.75710	0.00910	0.09203	0.00091	0.17481	572.1	5.3	567.5	5.4	582.0	18.0	567.5	5.4	0.8
BT_06_94	71.90	1.10	0.74100	0.01800	0.09280	0.00150	0.42282	562.0	10.0	571.7	8.7	524.0	31.0	571.7	8.7	1.7
BT_06_42	10.20	1.87	0.82700	0.04400	0.09360	0.00240	0.20224	613.0	23.0	577.0	14.0	774.0	77.0	577.0	14.0	5.9
BT_06_49	154.00	1.50	0.77200	0.01300	0.09380	0.00140	0.31917	580.7	7.4	577.7	8.4	596.0	23.0	577.7	8.4	0.5
BT_06_71	101.60	1.48	0.88400	0.01900	0.09390	0.00230	0.23773	643.0	10.0	578.0	13.0	915.0	38.0	578.0	13.0	10.1
BT_06_79	368.00	3.37	0.76650	0.00900	0.09390	0.00120	0.38752	578.2	5.3	578.6	6.8	564.0	18.0	578.6	6.8	0.1
BT_06_89	85.90	0.89	0.78800	0.01700	0.09430	0.00150	0.45814	589.4	9.8	580.8	8.9	649.0	33.0	580.8	8.9	1.5
BT_06_20	53.40	0.42	0.79700	0.01700	0.09450	0.00150	0.12607	594.6	9.5	581.9	8.8	659.0	31.0	581.9	8.8	2.1
BT_06_8	64.30	0.94	0.80800	0.01900	0.09470	0.00130	0.38525	601.0	11.0	584.2	8.0	662.0	29.0	584.2	8.0	2.8
BT_06_18	367.00	22.10	0.78270	0.00840	0.09500	0.00110	0.55414	587.6	5.0	585.0	6.4	608.0	12.0	585.0	6.4	0.4
BT_06_84	162.70	1.13	0.79500	0.01500	0.09610	0.00180	0.58843	595.1	8.7	591.0	10.0	584.0	20.0	591.0	10.0	0.7
BT_06_1	166.60	0.77	0.85000	0.02000	0.09640	0.00200	0.34520	627.0	12.0	593.0	11.0	762.0	27.0	593.0	11.0	5.4
BT_06_50	47.50	1.91	0.81100	0.01900	0.09670	0.00130	0.19693	602.0	11.0	594.9	7.5	640.0	38.0	594.9	7.5	1.2
BT_06_6	308.00	1.79	0.79970	0.00900	0.09690	0.00110	0.35467	596.4	5.1	596.0	6.4	584.0	17.0	596.0	6.4	0.1
BT_06_44	118.80	0.81	0.81600	0.01900	0.09740	0.00180	0.39893	605.0	10.0	599.0	10.0	613.0	31.0	599.0	10.0	1.0
BT_06_103	112.40	1.44	0.79500	0.01200	0.09800	0.00150	0.39675	593.8	6.7	602.5	8.6	570.0	23.0	602.5	8.6	1.5
BT_06_102	36.90	0.64	0.83000	0.01800	0.09870	0.00150	0.16341	613.0	10.0	606.5	8.5	641.0	32.0	606.5	8.5	1.1
BT_06_87	87.60	0.37	0.84200	0.01400	0.09870	0.00130	0.03099	619.5	7.7	606.5	7.6	675.0	32.0	606.5	7.6	2.1
BT_06_63	162.10	3.21	0.80100	0.01000	0.09870	0.00160	0.36026	598.0	5.7	606.7	9.6	566.0	19.0	606.7	9.6	1.5
BT_06_15	70.90	1.43	0.81700	0.02000	0.09970	0.00170	0.14436	608.0	11.0	612.0	10.0	587.0	31.0	612.0	10.0	0.7
BT_06_21	36.30	0.56	0.79800	0.01800	0.10000	0.00160	0.12988	596.1	9.8	614.1	9.4	520.0	32.0	614.1	9.4	3.0
BT_06_58	159.30	1.86	0.84500	0.01300	0.10180	0.00190	0.52280	622.2	6.8	625.0	11.0	614.0	19.0	625.0	11.0	0.5
BT_06_32	453.00	1.76	0.86300	0.01500	0.10220	0.00140	0.34287	631.4	8.0	628.4	7.7	640.0	28.0	628.4	7.7	0.5
BT_06_85	28.60	0.73	0.98700	0.03700	0.10280	0.00210	0.22083	694.0	19.0	631.0	12.0	871.0	76.0	631.0	12.0	9.1
BT_06_31	331.00	1.33	0.84100	0.01100	0.10320	0.00130	0.41242	619.7	5.9	633.0	7.8	598.0	18.0	633.0	7.8	2.1
BT_06_76	113.90	1.85	0.91700	0.02500	0.10550	0.00210	0.44102	660.0	13.0	646.0	12.0	710.0	30.0	646.0	12.0	2.1
BT_06_68	164.70	1.39	0.89700	0.01600	0.10560	0.00240	0.53307	649.5	8.3	647.0	14.0	659.0	20.0	647.0	14.0	0.4
BT_06_98	35.90	0.89	0.96300	0.02900	0.10570	0.00200	0.03537	685.0	15.0	648.0	12.0	779.0	56.0	648.0	12.0	5.4

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT_06_39	48.90	1.28	0.88100	0.01800	0.10590	0.00160	0.25386	641.7	9.5	651.4	9.1	611.0	24.0	651.4	9.1	1.5
BT_06_41	134.60	1.08	0.92500	0.01300	0.10810	0.00110	0.36481	665.4	7.1	661.6	6.6	669.0	18.0	661.6	6.6	0.6
BT_06_7	207.00	3.13	0.91000	0.01600	0.10880	0.00190	0.66520	656.7	8.3	665.0	11.0	618.0	14.0	665.0	11.0	1.3
BT_06_24	116.00	1.17	0.92500	0.01600	0.10870	0.00170	0.47193	664.4	8.5	665.1	9.7	688.0	20.0	665.1	9.7	0.1
BT_06_36	256.50	2.00	0.91710	0.00820	0.10910	0.00120	0.33182	660.7	4.3	667.2	7.0	619.0	16.0	667.2	7.0	1.0
BT_06_22	255.00	3.11	0.94400	0.01200	0.10990	0.00150	0.52515	674.8	6.5	672.3	8.9	641.0	15.0	672.3	8.9	0.4
BT_06_11	108.30	0.66	0.92500	0.02800	0.11080	0.00270	0.50170	666.0	14.0	677.0	16.0	623.0	34.0	677.0	16.0	1.7
BT_06_26	40.40	1.10	1.09300	0.04500	0.11190	0.00200	0.07812	747.0	21.0	683.0	11.0	929.0	83.0	683.0	11.0	8.6
BT_06_80	54.80	0.84	0.95600	0.01600	0.11230	0.00130	0.22623	681.9	8.4	685.9	7.4	662.0	23.0	685.9	7.4	0.6
BT_06_64	9.91	1.17	1.26500	0.05600	0.11320	0.00270	0.25689	829.0	25.0	691.0	16.0	1231.0	57.0	691.0	16.0	16.6
BT_06_104	140.00	1.54	0.98900	0.01500	0.11510	0.00160	0.66539	697.7	7.9	702.1	9.4	681.0	14.0	702.1	9.4	0.6
BT_06_100	63.70	0.91	1.21900	0.02200	0.13620	0.00210	0.44169	808.8	9.9	823.0	12.0	775.0	20.0	823.0	12.0	1.8
BT_06_75	123.80	4.01	1.33200	0.01600	0.13750	0.00150	0.60560	859.3	7.1	830.2	8.3	938.0	11.0	830.2	8.3	3.4
BT_06_14	47.60	0.61	1.41600	0.02100	0.15060	0.00210	0.33256	897.2	9.1	904.0	12.0	859.0	25.0	904.0	12.0	0.8
BT_06_96	50.80	1.30	1.85900	0.04100	0.18320	0.00230	0.33560	1065.0	14.0	1084.0	13.0	1015.0	20.0	1015.0	20.0	6.8
BT_06_27	137.00	1.25	1.73800	0.02100	0.17270	0.00250	0.49866	1022.3	7.6	1027.0	14.0	1015.0	18.0	1015.0	18.0	1.2
BT_06_23	151.00	1.51	1.84400	0.02400	0.18280	0.00210	0.44493	1062.1	8.3	1082.0	12.0	1026.0	16.0	1026.0	16.0	5.5
BT_06_69	97.50	1.05	1.84300	0.02900	0.18260	0.00340	0.57068	1060.0	10.0	1081.0	18.0	1027.0	22.0	1027.0	22.0	5.3
BT_06_38	165.10	1.86	1.78700	0.01600	0.17660	0.00180	0.52839	1041.0	5.8	1048.0	9.8	1032.0	11.0	1032.0	11.0	1.6
BT_06_33	88.40	0.96	1.88700	0.02200	0.18420	0.00190	0.34280	1076.1	7.6	1090.0	10.0	1049.0	15.0	1049.0	15.0	3.9
BT_06_57	104.50	3.05	1.81600	0.02400	0.17710	0.00280	0.51557	1051.7	8.9	1051.0	15.0	1052.0	17.0	1052.0	17.0	0.1
BT_06_4	29.54	1.84	1.74700	0.03900	0.17040	0.00240	0.22509	1027.0	15.0	1014.0	13.0	1062.0	25.0	1062.0	25.0	4.5
BT_06_35	267.00	1.48	1.88200	0.01900	0.18130	0.00160	0.56310	1074.6	6.6	1074.0	8.6	1066.0	12.0	1066.0	12.0	0.8
BT_06_77	163.00	2.23	2.06400	0.03100	0.19950	0.00340	0.76652	1136.0	10.0	1172.0	18.0	1088.0	13.0	1088.0	13.0	7.7
BT_06_5	95.00	0.57	1.75900	0.03700	0.16820	0.00470	0.78565	1030.0	13.0	1002.0	26.0	1088.0	20.0	1088.0	20.0	7.9
BT_06_25	211.20	0.92	1.98900	0.02500	0.18880	0.00230	0.49695	1113.6	8.5	1115.0	13.0	1098.0	16.0	1098.0	16.0	1.5
BT_06_40	116.20	1.49	1.98200	0.02900	0.18840	0.00260	0.50120	1108.4	9.7	1112.0	14.0	1103.0	18.0	1103.0	18.0	0.8
BT_06_83	151.00	1.60	2.00800	0.03200	0.19160	0.00270	0.53594	1117.0	11.0	1130.0	14.0	1111.0	16.0	1111.0	16.0	1.7
BT_06_60	29.40	0.89	2.12500	0.04400	0.19550	0.00290	0.40662	1158.0	15.0	1151.0	16.0	1174.0	29.0	1174.0	29.0	2.0
BT_06_48	154.30	1.80	2.30600	0.02500	0.20960	0.00240	0.55968	1215.7	7.5	1226.0	13.0	1189.0	12.0	1189.0	12.0	3.1
BT_06_43	110.00	1.46	1.96000	0.02500	0.17550	0.00330	0.53654	1101.2	8.4	1042.0	18.0	1204.0	23.0	1204.0	23.0	13.5
BT_06_88	140.00	2.34	2.25300	0.04000	0.20220	0.00330	0.14212	1197.0	12.0	1187.0	18.0	1215.0	14.0	1215.0	14.0	2.3
BT_06_65	281.00	1.84	2.55400	0.02400	0.22650	0.00210	0.67352	1287.3	6.8	1316.0	11.0	1239.5	8.8	1239.5	8.8	6.2
BT_06_29	99.00	1.97	2.45800	0.08500	0.22070	0.00800	0.67753	1261.0	26.0	1284.0	42.0	1240.0	41.0	1240.0	41.0	3.5
BT_06_73	135.40	1.12	2.26700	0.03900	0.19470	0.00290	0.76016	1201.0	12.0	1147.0	16.0	1297.0	13.0	1297.0	13.0	11.6
BT_06_51	43.80	0.54	2.85800	0.04500	0.24180	0.00330	0.34630	1373.0	12.0	1396.0	17.0	1339.0	17.0	1339.0	17.0	4.3
BT_06_82	328.20	1.87	2.44200	0.02900	0.20560	0.00290	0.02959	1256.3	8.2	1205.0	16.0	1345.0	37.0	1345.0	37.0	10.4
BT_06_28	161.00	2.56	3.36800	0.04400	0.26970	0.00400	0.61644	1497.0	10.0	1539.0	20.0	1436.0	17.0	1436.0	17.0	7.2
BT_06_66	142.60	0.87	3.71300	0.05800	0.27670	0.00410	0.58975	1575.0	13.0	1574.0	21.0	1564.0	15.0	1564.0	15.0	0.6
BT_06_30	132.10	0.82	5.01300	0.05200	0.33730	0.00400	0.70070	1821.1	8.8	1873.0	20.0	1761.9	8.8	1761.9	8.8	6.3
BT_06_93	154.00	3.12	5.58400	0.06900	0.35180	0.00610	0.67489	1913.0	11.0	1942.0	29.0	1878.0	12.0	1878.0	12.0	3.4
BT_06_2	670.00	0.69	5.56500	0.06800	0.35090	0.00660	0.74440	1910.0	11.0	1938.0	32.0	1883.0	18.0	1883.0	18.0	2.9
BT_06_97	185.80	2.34	4.06600	0.08300	0.25120	0.00530	0.64762	1646.0	17.0	1444.0	27.0	1887.0	25.0	1887.0	25.0	23.5

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT_06_70	21.40	1.36	6.33000	0.24000	0.37600	0.01400	0.70965	2018.0	33.0	2053.0	64.0	1974.0	23.0	1974.0	23.0	4.0
BT_06_47	84.80	1.12	6.65900	0.06500	0.38090	0.00420	0.70405	2067.5	8.4	2080.0	20.0	2051.0	11.0	2051.0	11.0	1.4
BT_06_61	129.00	0.43	7.16000	0.12000	0.39100	0.00970	0.75208	2131.0	15.0	2127.0	45.0	2147.0	12.0	2147.0	12.0	0.9
BT_06_37	12.36	0.83	10.55000	0.18000	0.46470	0.00680	0.00203	2481.0	16.0	2459.0	30.0	2500.0	19.0	2500.0	19.0	1.6
BT_06_74	137.80	1.41	11.76000	0.16000	0.45400	0.00650	0.77093	2589.0	13.0	2412.0	29.0	2724.1	8.6	2724.1	8.6	11.5
BT_06_3	95.80	2.96	15.75000	0.21000	0.56160	0.00870	0.78371	2861.0	13.0	2872.0	36.0	2836.4	8.4	2836.4	8.4	1.3
BT10: Guandacay Fm., Miocene (n=106), (19.61°S, 64.08°W)																
BT_10_18	313.00	1.04	0.34400	0.00430	0.04774	0.00051	0.48983	300.1	3.3	300.6	3.1	322.0	16.0	300.6	3.1	0.2
BT_10_48	15.68	0.43	0.75500	0.03400	0.07910	0.00180	0.27300	569.0	20.0	490.0	11.0	976.0	45.0	490.0	11.0	13.9
BT_10_58	179.00	0.75	0.65800	0.01200	0.08170	0.00170	0.52124	514.1	7.2	506.0	10.0	549.0	24.0	506.0	10.0	1.6
BT_10_33	19.43	1.24	0.81800	0.03900	0.08330	0.00250	0.26079	606.0	22.0	515.0	15.0	962.0	69.0	515.0	15.0	15.0
BT_10_28	146.00	2.32	0.69800	0.01600	0.08450	0.00150	0.60709	537.0	9.5	522.7	9.0	587.0	23.0	522.7	9.0	2.7
BT_10_65	13.70	1.71	0.92800	0.04900	0.08510	0.00220	0.00245	665.0	26.0	526.0	13.0	1195.0	82.0	526.0	13.0	20.9
BT_10_50	81.10	0.82	0.71100	0.01500	0.08620	0.00180	0.29867	544.8	8.7	533.0	11.0	615.0	28.0	533.0	11.0	2.2
BT_10_59	16.18	7.42	0.68900	0.02500	0.08660	0.00240	0.23986	530.0	15.0	535.0	14.0	594.0	41.0	535.0	14.0	0.9
BT_10_77	89.40	1.00	0.71600	0.01200	0.08775	0.00093	0.12245	547.6	7.3	542.1	5.5	594.0	24.0	542.1	5.5	1.0
BT_10_13	36.00	1.36	0.68100	0.01900	0.08810	0.00250	0.46599	527.0	12.0	544.0	15.0	475.0	45.0	544.0	15.0	3.2
BT_10_101	97.50	0.64	0.79700	0.01600	0.08910	0.00170	0.21232	594.9	9.0	550.0	10.0	783.0	41.0	550.0	10.0	7.5
BT_10_102	178.10	1.18	0.71600	0.01500	0.08980	0.00140	0.36119	547.5	8.5	554.1	8.5	547.0	33.0	554.1	8.5	1.2
BT_10_23	18.98	1.16	0.81400	0.03100	0.09000	0.00240	0.27791	606.0	18.0	555.0	14.0	791.0	55.0	555.0	14.0	8.4
BT_10_73	143.80	1.06	0.81700	0.01800	0.08990	0.00200	0.38891	606.0	10.0	555.0	12.0	801.0	32.0	555.0	12.0	8.4
BT_10_79	89.50	1.09	0.73300	0.01400	0.09020	0.00160	0.38641	557.8	8.4	558.0	9.1	563.0	25.0	558.0	9.1	0.0
BT_10_37	182.00	1.49	0.71700	0.01300	0.09110	0.00140	0.21948	548.5	7.9	562.0	8.1	508.0	25.0	562.0	8.1	2.5
BT_10_72	56.70	0.96	0.75700	0.01600	0.09110	0.00150	0.12454	572.5	9.2	562.0	8.8	601.0	34.0	562.0	8.8	1.8
BT_10_70	135.00	2.40	0.73600	0.01300	0.09110	0.00120	0.53933	560.4	7.6	562.2	7.4	539.0	18.0	562.2	7.4	0.3
BT_10_40	207.80	2.27	0.73100	0.01400	0.09130	0.00160	0.38471	556.7	8.0	562.9	9.5	522.0	26.0	562.9	9.5	1.1
BT_10_69	178.00	2.46	0.74800	0.01500	0.09140	0.00200	0.68095	567.1	9.0	563.0	12.0	556.0	23.0	563.0	12.0	0.7
BT_10_90	182.00	2.31	0.75300	0.01200	0.09220	0.00120	0.63470	569.5	7.0	568.6	7.2	579.0	14.0	568.6	7.2	0.2
BT_10_91	44.50	0.40	0.81000	0.03300	0.09210	0.00350	0.33443	602.0	19.0	571.0	21.0	720.0	55.0	571.0	21.0	5.1
BT_10_1	83.50	1.67	0.75200	0.01200	0.09280	0.00140	0.55860	568.9	7.2	572.1	8.5	565.0	18.0	572.1	8.5	0.6
BT_10_52	36.50	0.66	0.75300	0.02300	0.09290	0.00190	0.43397	572.0	13.0	573.0	11.0	582.0	33.0	573.0	11.0	0.2
BT_10_81	238.00	1.75	0.74000	0.01000	0.09330	0.00120	0.57292	562.2	5.8	574.9	7.3	538.0	14.0	574.9	7.3	2.3
BT_10_39	68.30	0.42	0.79900	0.02300	0.09350	0.00230	0.18597	596.0	13.0	576.0	14.0	676.0	54.0	576.0	14.0	3.4
BT_10_29	103.50	1.10	0.75700	0.01200	0.09380	0.00150	0.38523	571.6	7.0	577.9	9.0	551.0	19.0	577.9	9.0	1.1
BT_10_6	267.00	0.80	0.74800	0.01100	0.09410	0.00100	0.49709	567.6	6.5	579.8	6.1	532.0	17.0	579.8	6.1	2.1
BT_10_24	42.90	0.37	0.76700	0.01900	0.09410	0.00210	0.20313	577.0	11.0	581.0	12.0	579.0	32.0	581.0	12.0	0.7
BT_10_98	283.00	3.61	0.76200	0.01100	0.09440	0.00140	0.53994	575.5	6.4	581.1	8.4	558.0	17.0	581.1	8.4	1.0
BT_10_22	80.20	0.81	0.76100	0.01200	0.09460	0.00120	0.18736	574.4	6.7	583.6	7.3	562.0	23.0	583.6	7.3	1.6
BT_10_107	103.50	0.81	0.77700	0.01300	0.09490	0.00130	0.59307	583.1	7.5	584.2	7.7	582.0	22.0	584.2	7.7	0.2
BT_10_35	164.00	1.61	0.77700	0.02000	0.09520	0.00150	0.54124	583.0	11.0	586.4	8.7	583.0	27.0	586.4	8.7	0.6
BT_10_16	77.70	2.46	0.77900	0.01500	0.09550	0.00140	0.56290	586.4	8.6	588.0	8.1	595.0	22.0	588.0	8.1	0.3
BT_10_89	130.40	38.00	0.75200	0.01500	0.09550	0.00170	0.50644	569.0	8.5	588.0	10.0	521.0	22.0	588.0	10.0	3.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT_10_61	119.60	1.63	0.78100	0.01200	0.09590	0.00130	0.34654	585.8	6.6	591.4	7.7	551.0	22.0	591.4	7.7	1.0
BT_10_51	232.50	1.53	0.78300	0.01400	0.09590	0.00180	0.47784	588.0	7.4	592.0	10.0	609.0	21.0	592.0	10.0	0.7
BT_10_15	122.90	1.03	0.78100	0.01300	0.09640	0.00140	0.43272	585.5	7.3	593.0	8.4	565.0	20.0	593.0	8.4	1.3
BT_10_87	30.20	0.59	0.83600	0.03000	0.09640	0.00310	0.59057	619.0	16.0	593.0	18.0	728.0	42.0	593.0	18.0	4.2
BT_10_64	74.90	0.46	0.78500	0.01800	0.09660	0.00150	0.28617	588.0	10.0	594.3	8.9	593.0	31.0	594.3	8.9	1.1
BT_10_17	80.90	0.48	0.79800	0.01700	0.09700	0.00160	0.46577	595.0	9.7	596.6	9.5	605.0	28.0	596.6	9.5	0.3
BT_10_34	124.30	9.76	0.80500	0.01000	0.09700	0.00120	0.47901	599.9	5.7	597.0	6.8	603.0	15.0	597.0	6.8	0.5
BT_10_78	161.00	0.49	0.79200	0.01200	0.09710	0.00150	0.49427	591.8	7.0	597.5	8.8	567.0	17.0	597.5	8.8	1.0
BT_10_53	138.00	1.27	0.78100	0.01100	0.09730	0.00150	0.42090	585.6	6.5	598.6	8.6	542.0	22.0	598.6	8.6	2.2
BT_10_86	274.00	0.80	0.78600	0.01300	0.09730	0.00170	0.58693	588.2	7.4	599.0	10.0	564.0	20.0	599.0	10.0	1.8
BT_10_31	51.80	0.58	0.81400	0.02100	0.09750	0.00160	0.46704	603.0	12.0	600.8	9.2	644.0	24.0	600.8	9.2	0.4
BT_10_67	7.03	4.58	0.83400	0.04100	0.09770	0.00300	0.15224	611.0	23.0	603.0	18.0	751.0	76.0	603.0	18.0	1.3
BT_10_76	169.00	2.46	0.79500	0.01300	0.09820	0.00150	0.35645	593.5	7.6	603.7	8.8	557.0	26.0	603.7	8.8	1.7
BT_10_84	62.90	0.42	0.81000	0.01500	0.09860	0.00140	0.60027	603.4	8.4	606.0	8.5	584.0	18.0	606.0	8.5	0.4
BT_10_95	243.00	0.99	0.81300	0.01100	0.09850	0.00130	0.60054	604.0	6.1	606.3	7.8	588.0	12.0	606.3	7.8	0.4
BT_10_20	270.00	2.32	0.81300	0.01400	0.09920	0.00200	0.73455	604.4	7.7	609.0	11.0	572.0	16.0	609.0	11.0	0.8
BT_10_92	37.20	3.22	0.78000	0.02500	0.09920	0.00250	0.47070	586.0	14.0	610.0	15.0	466.0	38.0	610.0	15.0	4.1
BT_10_106	110.20	1.91	0.82500	0.01500	0.09990	0.00100	0.35341	610.3	8.0	613.8	6.1	607.0	22.0	613.8	6.1	0.6
BT_10_14	142.40	0.44	0.81800	0.02000	0.10030	0.00290	0.60280	608.0	11.0	616.0	17.0	589.0	33.0	616.0	17.0	1.3
BT_10_75	26.80	0.48	0.83700	0.02600	0.10050	0.00250	0.42981	616.0	14.0	617.0	14.0	611.0	38.0	617.0	14.0	0.2
BT_10_43	240.00	8.62	0.81000	0.01000	0.10050	0.00140	0.66579	602.1	5.8	617.1	8.0	561.0	14.0	617.1	8.0	2.5
BT_10_11	12.23	0.94	0.85600	0.04100	0.10200	0.00250	0.13975	625.0	23.0	626.0	15.0	600.0	65.0	626.0	15.0	0.2
BT_10_44	491.00	1.08	0.84370	0.00790	0.10216	0.00088	0.56295	621.6	4.3	627.0	5.1	612.0	10.0	627.0	5.1	0.9
BT_10_96	56.70	31.00	0.83200	0.02400	0.10170	0.00330	0.30212	614.0	14.0	627.0	20.0	560.0	44.0	627.0	20.0	2.1
BT_10_103	36.60	1.01	0.86800	0.02000	0.10210	0.00180	0.25994	634.0	11.0	627.0	11.0	676.0	33.0	627.0	11.0	1.1
BT_10_71	181.90	1.28	0.85400	0.01600	0.10210	0.00180	0.17674	626.0	8.9	628.0	11.0	631.0	33.0	628.0	11.0	0.3
BT_10_74	161.80	0.46	0.82500	0.01300	0.10270	0.00180	0.57731	611.9	7.6	630.0	10.0	574.0	18.0	630.0	10.0	3.0
BT_10_26	96.50	0.85	0.87100	0.01600	0.10400	0.00200	0.58035	635.7	8.7	638.0	11.0	632.0	19.0	638.0	11.0	0.4
BT_10_88	155.00	0.97	0.84600	0.01800	0.10440	0.00250	0.61913	622.0	10.0	640.0	15.0	574.0	22.0	640.0	15.0	2.9
BT_10_82	51.30	0.76	0.92700	0.02300	0.10490	0.00220	0.36602	665.0	12.0	643.0	13.0	767.0	31.0	643.0	13.0	3.3
BT_10_41	115.60	1.54	0.89700	0.01600	0.10540	0.00200	0.61763	650.6	9.0	646.0	12.0	678.0	19.0	646.0	12.0	0.7
BT_10_21	315.00	6.49	0.86700	0.01300	0.10570	0.00160	0.52157	633.5	6.9	647.7	9.2	597.0	18.0	647.7	9.2	2.2
BT_10_62	329.00	10.91	0.89200	0.01600	0.10630	0.00230	0.67359	647.3	8.5	653.0	13.0	631.0	20.0	653.0	13.0	0.9
BT_10_83	49.80	0.79	0.89600	0.02500	0.10670	0.00180	0.33134	649.0	13.0	654.0	11.0	623.0	36.0	654.0	11.0	0.8
BT_10_49	374.00	12.67	0.87800	0.01100	0.10740	0.00130	0.61375	639.9	6.0	657.5	7.6	604.0	16.0	657.5	7.6	2.8
BT_10_94	223.70	3.77	0.89300	0.02200	0.10820	0.00250	0.71215	647.0	12.0	662.0	15.0	587.0	19.0	662.0	15.0	2.3
BT_10_32	189.00	5.70	0.94500	0.01600	0.10910	0.00220	0.61853	676.0	8.4	667.0	13.0	670.0	22.0	667.0	13.0	1.3
BT_10_56	49.20	3.79	0.92400	0.02100	0.10940	0.00200	0.30522	664.0	11.0	669.0	12.0	634.0	25.0	669.0	12.0	0.8
BT_10_12	231.00	1.77	0.90800	0.01100	0.10940	0.00160	0.57171	655.7	5.7	669.1	9.3	602.0	15.0	669.1	9.3	2.0
BT_10_66	66.30	0.70	0.93300	0.02300	0.11170	0.00250	0.64241	669.0	12.0	682.0	14.0	640.0	27.0	682.0	14.0	1.9
BT_10_42	95.00	1.03	0.95900	0.02400	0.11220	0.00210	0.61185	682.0	13.0	685.0	12.0	646.0	23.0	685.0	12.0	0.4
BT_10_5	213.50	1.76	0.93700	0.01100	0.11260	0.00140	0.49019	671.1	5.8	687.9	7.8	632.0	13.0	687.9	7.8	2.5
BT_10_46	129.50	1.38	0.98000	0.01900	0.11400	0.00210	0.70751	692.9	9.9	696.0	12.0	685.0	16.0	696.0	12.0	0.4

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
BT_10_99	99.80	1.72	0.99400	0.02200	0.11400	0.00230	0.76065	700.0	11.0	696.0	14.0	716.0	19.0	696.0	14.0	0.6
BT_10_68	57.52	0.93	1.00300	0.02300	0.11520	0.00220	0.33136	704.0	12.0	703.0	13.0	750.0	31.0	703.0	13.0	0.1
BT_10_4	142.00	2.08	1.01600	0.01600	0.11780	0.00220	0.60829	712.6	7.8	718.0	13.0	697.0	17.0	718.0	13.0	0.8
BT_10_54	81.80	1.93	1.26200	0.02500	0.13280	0.00290	0.66708	828.0	11.0	804.0	16.0	876.0	21.0	804.0	16.0	2.9
BT_10_36	160.00	1.22	1.25400	0.01400	0.13850	0.00160	0.49737	824.9	6.1	836.3	9.1	802.0	12.0	836.3	9.1	1.4
BT_10_55	110.80	1.68	1.71500	0.03000	0.17650	0.00330	0.53072	1014.0	11.0	1048.0	18.0	944.0	16.0	944.0	18.0	3.4
BT_10_97	99.30	4.90	1.68300	0.02500	0.17190	0.00250	0.55351	1001.6	9.6	1022.0	14.0	961.0	16.0	961.0	16.0	6.3
BT_10_2	187.00	1.28	1.67600	0.05700	0.16590	0.00690	0.63868	1000.0	22.0	987.0	38.0	1000.0	60.0	1000.0	60.0	1.3
BT_10_100	13.88	1.59	1.74000	0.06700	0.17510	0.00640	0.63967	1028.0	25.0	1039.0	35.0	1001.0	36.0	1001.0	36.0	3.8
BT_10_25	9.41	0.31	1.69700	0.05500	0.16910	0.00390	0.29415	1004.0	21.0	1009.0	21.0	1004.0	46.0	1004.0	46.0	0.5
BT_10_60	14.74	2.21	1.74100	0.05600	0.17270	0.00320	0.38086	1028.0	20.0	1029.0	17.0	1023.0	32.0	1023.0	32.0	0.6
BT_10_27	196.00	1.86	1.97500	0.03000	0.19260	0.00320	0.64185	1106.0	10.0	1138.0	18.0	1039.0	17.0	1039.0	17.0	9.5
BT_10_10	98.40	1.54	1.94100	0.02800	0.19190	0.00360	0.55980	1096.0	10.0	1131.0	19.0	1049.0	23.0	1049.0	23.0	7.8
BT_10_30	64.20	1.81	1.85300	0.02800	0.18370	0.00310	0.60891	1065.2	9.8	1087.0	17.0	1053.0	18.0	1053.0	18.0	3.2
BT_10_85	81.80	1.96	1.97800	0.04900	0.19440	0.00580	0.79238	1107.0	17.0	1145.0	31.0	1055.0	21.0	1055.0	21.0	8.5
BT_10_105	81.10	1.41	1.92400	0.03400	0.18680	0.00360	0.63596	1090.0	12.0	1104.0	20.0	1055.0	18.0	1055.0	18.0	4.6
BT_10_45	82.90	0.88	1.87600	0.03500	0.18220	0.00360	0.42162	1072.0	12.0	1079.0	20.0	1064.0	21.0	1064.0	21.0	1.4
BT_10_63	118.00	1.20	1.82100	0.03100	0.17750	0.00350	0.67935	1052.0	11.0	1053.0	19.0	1068.0	20.0	1068.0	20.0	1.4
BT_10_47	37.30	2.16	1.83200	0.05100	0.18000	0.00380	0.45186	1059.0	19.0	1067.0	21.0	1089.0	30.0	1089.0	30.0	2.0
BT_10_80	19.54	0.55	1.91000	0.05100	0.18020	0.00470	0.30069	1083.0	18.0	1072.0	27.0	1123.0	39.0	1123.0	39.0	4.5
BT_10_9	139.30	0.80	2.41600	0.04900	0.21820	0.00430	0.72702	1248.0	14.0	1272.0	23.0	1224.0	21.0	1224.0	21.0	3.9
BT_10_19	431.00	13.01	4.13600	0.04700	0.29690	0.00370	0.70108	1662.1	9.6	1678.0	18.0	1646.0	11.0	1646.0	11.0	1.9
BT_10_7	37.10	0.59	6.40000	0.10000	0.37150	0.00640	0.76319	2035.0	14.0	2035.0	30.0	2029.0	15.0	2029.0	15.0	0.3
BT_10_8	195.80	46.20	8.04000	0.11000	0.42800	0.00740	0.72445	2234.0	12.0	2296.0	33.0	2184.0	8.0	2184.0	8.0	5.1
BT_10_3	105.10	1.08	8.11000	0.12000	0.41820	0.00600	0.86810	2241.0	13.0	2251.0	27.0	2231.3	6.2	2231.3	6.2	0.9
BT_10_38	162.00	1.16	13.49000	0.19000	0.52470	0.00790	0.73773	2715.0	13.0	2718.0	33.0	2709.1	9.1	2709.1	9.1	0.3
BT_10_93	120.00	2.43	11.86000	0.18000	0.46150	0.00870	0.83126	2593.0	15.0	2444.0	38.0	2720.0	12.0	2720.0	12.0	10.1
BT_10_57	60.30	4.29	19.53000	0.87000	0.60100	0.01600	0.91138	3049.0	45.0	3027.0	65.0	3058.0	39.0	3058.0	39.0	1.0
EL ROSAL																
EL ROSAL																
VLC04: Petaca Fm., Pre-Neogene (n=89), (19.68°S, 64.23°W)																
VLC04_44	236.00	1.99	0.18700	0.01300	0.02499	0.00099	0.33953	173.0	11.0	159.1	6.2	350.0	130.0	159.1	6.2	8.0
VLC04_22	426.00	1.42	0.32300	0.01900	0.04160	0.00170	0.34761	284.0	15.0	263.0	11.0	500.0	130.0	263.0	11.0	7.4
VLC04_94	335.00	0.61	0.35000	0.01400	0.04500	0.00110	0.32690	305.0	10.0	284.0	7.0	430.0	90.0	284.0	7.0	6.9
VLC04_106	615.00	4.71	0.35300	0.01100	0.05020	0.00100	0.19264	306.5	8.4	315.6	6.4	300.0	69.0	315.6	6.4	3.0
VLC04_101	660.00	4.10	0.37000	0.03000	0.05100	0.00250	0.12845	319.0	22.0	320.0	15.0	300.0	190.0	320.0	15.0	0.3
VLC04_66	202.00	1.35	0.53300	0.03000	0.06510	0.00320	0.55329	433.0	20.0	406.0	19.0	520.0	100.0	406.0	19.0	6.2
VLC04_53	303.00	1.97	0.66400	0.03300	0.07600	0.00270	0.62470	518.0	20.0	474.0	16.0	781.0	91.0	474.0	16.0	8.5
VLC04_5	186.80	1.71	0.66600	0.04000	0.07740	0.00350	0.60649	520.0	25.0	480.0	21.0	720.0	110.0	480.0	21.0	7.7
VLC04_102	147.00	2.40	0.63900	0.03300	0.08120	0.00290	0.50423	501.0	21.0	503.0	17.0	500.0	100.0	503.0	17.0	0.4
VLC04_97	404.00	5.47	0.68800	0.03300	0.08200	0.00320	0.75173	535.0	20.0	508.0	19.0	578.0	73.0	508.0	19.0	5.0
VLC04_99	264.00	2.10	0.65800	0.02000	0.08280	0.00200	0.26570	513.0	12.0	515.0	12.0	542.0	74.0	515.0	12.0	0.4
VLC04_110	143.00	0.92	0.62900	0.02600	0.08330	0.00220	0.05451	499.0	16.0	515.0	13.0	370.0	100.0	515.0	13.0	3.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
VLC04_31	151.00	0.90	0.71200	0.03000	0.08330	0.00240	0.31141	544.0	18.0	516.0	14.0	683.0	84.0	516.0	14.0	5.1
VLC04_63	93.00	0.78	0.70600	0.04800	0.08460	0.00320	0.30188	538.0	29.0	526.0	18.0	600.0	140.0	526.0	18.0	2.2
VLC04_58	20.60	1.29	0.67700	0.08800	0.08840	0.00500	0.04643	524.0	52.0	549.0	29.0	410.0	250.0	549.0	29.0	4.8
VLC04_19	103.00	1.69	0.74500	0.04700	0.09050	0.00310	0.16395	560.0	27.0	558.0	18.0	580.0	140.0	558.0	18.0	0.4
VLC04_108	73.10	1.34	0.72800	0.05800	0.09070	0.00310	0.09681	552.0	33.0	559.0	18.0	490.0	170.0	559.0	18.0	1.3
VLC04_98	104.60	1.49	0.75000	0.04200	0.09160	0.00330	0.26210	576.0	25.0	565.0	19.0	580.0	120.0	565.0	19.0	1.9
VLC04_59	229.00	3.46	0.79900	0.03100	0.09190	0.00260	0.43150	593.0	18.0	569.0	16.0	713.0	77.0	569.0	16.0	4.0
VLC04_67	82.30	2.05	0.79000	0.04400	0.09420	0.00330	0.07249	594.0	24.0	582.0	19.0	650.0	130.0	582.0	19.0	2.0
VLC04_95	75.90	0.91	0.82800	0.03800	0.09490	0.00320	0.25320	611.0	22.0	584.0	19.0	734.0	92.0	584.0	19.0	4.4
VLC04_72	102.10	1.04	0.77000	0.04800	0.09620	0.00340	0.31771	580.0	26.0	591.0	20.0	520.0	120.0	591.0	20.0	1.9
VLC04_34	210.00	2.08	0.77500	0.03100	0.09630	0.00280	0.18823	583.0	18.0	593.0	16.0	575.0	95.0	593.0	16.0	1.7
VLC04_54	259.00	10.49	0.80000	0.03700	0.09640	0.00390	0.64199	595.0	21.0	593.0	23.0	620.0	79.0	593.0	23.0	0.3
VLC04_68	93.00	0.87	0.77800	0.05000	0.09700	0.00380	0.18440	583.0	29.0	596.0	22.0	490.0	170.0	596.0	22.0	2.2
VLC04_7	223.00	1.69	0.81400	0.04100	0.09830	0.00450	0.63041	600.0	23.0	604.0	26.0	595.0	86.0	604.0	26.0	0.7
VLC04_50	108.20	1.97	0.84300	0.03800	0.09900	0.00320	0.25170	620.0	21.0	608.0	18.0	670.0	100.0	608.0	18.0	1.9
VLC04_48	159.00	1.49	0.83000	0.04500	0.09940	0.00470	0.28818	609.0	25.0	614.0	27.0	570.0	130.0	614.0	27.0	0.8
VLC04_91	256.00	4.54	0.86700	0.04000	0.10050	0.00420	0.71263	630.0	22.0	616.0	24.0	635.0	69.0	616.0	24.0	2.2
VLC04_82	295.00	2.89	0.86800	0.03600	0.10090	0.00330	0.29973	631.0	19.0	622.0	20.0	666.0	76.0	622.0	20.0	1.4
VLC04_39	132.00	0.43	0.91200	0.04300	0.10390	0.00320	0.37088	656.0	22.0	637.0	19.0	730.0	99.0	637.0	19.0	2.9
VLC04_93	127.00	0.69	0.92800	0.03400	0.10710	0.00300	0.12871	666.0	17.0	655.0	18.0	720.0	100.0	655.0	18.0	1.7
VLC04_37	267.00	1.32	0.98500	0.05400	0.10990	0.00490	0.74706	695.0	28.0	671.0	29.0	806.0	75.0	671.0	29.0	3.5
VLC04_32	51.90	0.81	0.95400	0.07300	0.11120	0.00480	0.04966	681.0	38.0	678.0	28.0	740.0	170.0	678.0	28.0	0.4
VLC04_38	336.00	1.89	0.93900	0.03300	0.11070	0.00330	0.67598	672.0	17.0	678.0	19.0	647.0	52.0	678.0	19.0	0.9
VLC04_70	53.00	1.98	0.95900	0.07400	0.11110	0.00450	0.20335	671.0	37.0	678.0	26.0	650.0	150.0	678.0	26.0	1.0
VLC04_11	618.00	6.14	1.00400	0.05900	0.11210	0.00550	0.84850	703.0	29.0	684.0	32.0	826.0	61.0	684.0	32.0	2.7
VLC04_23	1224.00	82.00	1.03500	0.05600	0.11440	0.00480	0.70408	720.0	28.0	698.0	28.0	772.0	84.0	698.0	28.0	3.1
VLC04_84	34.60	3.57	0.96300	0.07200	0.11530	0.00540	0.16419	686.0	37.0	702.0	31.0	640.0	160.0	702.0	31.0	2.3
VLC04_6	69.40	2.23	0.95100	0.06100	0.11570	0.00420	0.22809	681.0	33.0	708.0	24.0	670.0	130.0	708.0	24.0	4.0
VLC04_29	110.00	1.05	1.00500	0.04400	0.12000	0.00350	0.25304	705.0	22.0	730.0	20.0	601.0	86.0	730.0	20.0	3.5
VLC04_73	48.60	0.73	1.13300	0.08600	0.12650	0.00460	0.06880	757.0	42.0	767.0	26.0	700.0	170.0	767.0	26.0	1.3
VLC04_100	164.00	4.78	1.25300	0.04900	0.13870	0.00520	0.54203	827.0	22.0	836.0	29.0	849.0	81.0	836.0	29.0	1.1
VLC04_33	191.00	1.98	1.35300	0.05100	0.14510	0.00430	0.37723	869.0	22.0	873.0	24.0	945.0	77.0	945.0	77.0	7.6
VLC04_79	169.00	1.93	1.99900	0.07800	0.20590	0.00470	0.27317	1116.0	25.0	1206.0	25.0	945.0	75.0	945.0	75.0	27.6
VLC04_52	83.30	2.57	1.64700	0.09500	0.16850	0.00900	0.53914	999.0	36.0	1001.0	50.0	970.0	110.0	970.0	110.0	3.2
VLC04_88	22.70	1.24	1.97000	0.12000	0.19300	0.01000	0.01252	1109.0	40.0	1144.0	54.0	980.0	150.0	980.0	150.0	16.7
VLC04_15	150.00	0.54	1.63400	0.08100	0.16160	0.00800	0.48455	988.0	31.0	963.0	44.0	1008.0	91.0	1008.0	91.0	4.5
VLC04_17	113.00	1.38	1.80000	0.06500	0.17880	0.00480	0.20315	1040.0	23.0	1060.0	26.0	1013.0	74.0	1013.0	74.0	4.6
VLC04_41	250.00	1.53	1.63900	0.04400	0.15720	0.00470	0.53568	982.0	17.0	943.0	27.0	1022.0	52.0	1022.0	52.0	7.7
VLC04_43	120.00	1.53	1.82700	0.07000	0.17670	0.00610	0.26892	1057.0	26.0	1047.0	33.0	1025.0	87.0	1025.0	87.0	2.1
VLC04_8	132.00	7.40	1.84000	0.12000	0.17700	0.01100	0.79544	1057.0	45.0	1052.0	64.0	1053.0	86.0	1053.0	86.0	0.1
VLC04_36	201.00	2.06	2.00600	0.06000	0.20080	0.00540	0.59745	1124.0	20.0	1179.0	29.0	1057.0	53.0	1057.0	53.0	11.5
VLC04_47	144.00	1.27	1.74700	0.09600	0.16720	0.00980	0.74333	1036.0	37.0	993.0	54.0	1065.0	83.0	1065.0	83.0	6.8
VLC04_77	356.00	2.06	1.89900	0.04400	0.18330	0.00410	0.54135	1081.0	15.0	1087.0	23.0	1066.0	47.0	1066.0	47.0	2.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
VLC04_71	102.00	1.28	2.07000	0.07900	0.19380	0.00610	0.36337	1135.0	26.0	1141.0	33.0	1081.0	99.0	1081.0	99.0	5.6
VLC04_111	138.00	1.61	2.42600	0.07500	0.24040	0.00660	0.56076	1246.0	22.0	1392.0	34.0	1081.0	53.0	1081.0	53.0	28.8
VLC04_18	343.00	6.06	1.94000	0.11000	0.18130	0.00870	0.87441	1092.0	37.0	1071.0	47.0	1087.0	49.0	1087.0	49.0	1.5
VLC04_49	180.00	1.44	2.21300	0.09700	0.20310	0.00950	0.51565	1190.0	31.0	1189.0	51.0	1172.0	92.0	1172.0	92.0	1.5
VLC04_2	134.00	1.48	1.93000	0.07400	0.17610	0.00550	0.48093	1086.0	26.0	1048.0	29.0	1199.0	76.0	1199.0	76.0	12.6
VLC04_78	85.10	3.02	1.75000	0.20000	0.14700	0.01400	0.93068	1003.0	72.0	878.0	76.0	1212.0	99.0	1212.0	99.0	27.6
VLC04_74	149.00	1.95	2.56200	0.07900	0.22420	0.00530	0.47024	1288.0	22.0	1307.0	29.0	1230.0	53.0	1230.0	53.0	6.3
VLC04_80	253.00	3.36	2.65000	0.17000	0.23000	0.01300	0.93318	1316.0	48.0	1328.0	66.0	1252.0	47.0	1252.0	47.0	6.1
VLC04_28	345.00	7.08	2.34900	0.08900	0.20220	0.00650	0.31256	1224.0	27.0	1186.0	35.0	1254.0	74.0	1254.0	74.0	5.4
VLC04_51	317.00	5.34	2.73200	0.07000	0.23510	0.00700	0.62239	1337.0	20.0	1359.0	37.0	1282.0	45.0	1282.0	45.0	6.0
VLC04_20	123.00	1.27	2.80000	0.10000	0.23730	0.00810	0.70263	1354.0	27.0	1375.0	43.0	1327.0	50.0	1327.0	50.0	3.6
VLC04_87	123.60	2.18	2.96000	0.12000	0.24020	0.00800	0.60030	1391.0	31.0	1390.0	41.0	1393.0	63.0	1393.0	63.0	0.2
VLC04_46	104.00	1.65	2.69000	0.15000	0.21100	0.01000	0.60256	1318.0	41.0	1233.0	55.0	1404.0	96.0	1404.0	96.0	12.2
VLC04_109	302.00	1.62	2.28900	0.08500	0.19170	0.00570	0.62219	1208.0	25.0	1134.0	32.0	1414.0	62.0	1414.0	62.0	19.8
VLC04_61	144.60	2.11	3.02000	0.12000	0.24400	0.00960	0.82829	1405.0	29.0	1404.0	49.0	1418.0	42.0	1418.0	42.0	1.0
VLC04_83	67.50	2.00	3.49000	0.16000	0.28500	0.01100	0.50965	1517.0	35.0	1611.0	55.0	1431.0	82.0	1431.0	82.0	12.6
VLC04_64	103.10	2.33	3.49000	0.12000	0.27800	0.00650	0.53957	1527.0	26.0	1580.0	33.0	1444.0	54.0	1444.0	54.0	9.4
VLC04_16	112.00	1.21	3.29000	0.11000	0.25840	0.00730	0.36143	1477.0	27.0	1480.0	37.0	1449.0	76.0	1449.0	76.0	2.1
VLC04_62	47.40	0.99	2.49000	0.19000	0.19900	0.01500	0.77719	1281.0	58.0	1161.0	82.0	1494.0	90.0	1494.0	90.0	22.3
VLC04_25	194.00	2.48	3.70800	0.09700	0.28400	0.00770	0.61851	1569.0	21.0	1610.0	38.0	1505.0	46.0	1505.0	46.0	7.0
VLC04_57	132.00	0.68	2.79000	0.11000	0.20960	0.00890	0.58145	1352.0	29.0	1224.0	47.0	1585.0	71.0	1585.0	71.0	22.8
VLC04_21	166.00	2.61	4.05000	0.13000	0.28700	0.00780	0.57442	1639.0	26.0	1624.0	39.0	1642.0	47.0	1642.0	47.0	1.1
VLC04_55	95.40	0.50	2.97000	0.11000	0.21300	0.01100	0.57938	1395.0	30.0	1242.0	56.0	1683.0	74.0	1683.0	74.0	26.2
VLC04_90	32.10	0.60	4.77000	0.18000	0.32100	0.01200	0.43181	1779.0	33.0	1790.0	60.0	1737.0	63.0	1737.0	63.0	3.1
VLC04_103	62.90	0.90	4.50000	0.13000	0.30080	0.00900	0.57800	1726.0	25.0	1693.0	44.0	1777.0	53.0	1777.0	53.0	4.7
VLC04_30	58.60	1.14	4.97000	0.15000	0.33500	0.00870	0.33168	1810.0	25.0	1861.0	42.0	1781.0	66.0	1781.0	66.0	4.5
VLC04_4	235.00	2.21	5.25000	0.16000	0.35000	0.01000	0.65792	1858.0	26.0	1932.0	48.0	1808.0	39.0	1808.0	39.0	6.9
VLC04_45	32.80	1.01	4.37000	0.25000	0.27000	0.01200	0.44183	1723.0	42.0	1536.0	63.0	1877.0	95.0	1877.0	95.0	18.2
VLC04_14	368.00	5.10	5.30000	0.15000	0.32400	0.01000	0.67209	1867.0	25.0	1805.0	49.0	1929.0	42.0	1929.0	42.0	6.4
VLC04_9	457.00	3.73	5.14000	0.19000	0.30700	0.01300	0.87956	1839.0	31.0	1720.0	66.0	2010.0	31.0	2010.0	31.0	14.4
VLC04_12	182.00	1.33	5.50000	0.31000	0.32500	0.01500	0.72213	1887.0	49.0	1813.0	72.0	2051.0	64.0	2051.0	64.0	11.6
VLC04_81	29.60	0.76	7.36000	0.26000	0.43300	0.01400	0.28184	2154.0	33.0	2320.0	60.0	2085.0	70.0	2085.0	70.0	11.3
VLC04_3	58.30	1.15	5.27000	0.28000	0.30100	0.01900	0.71123	1872.0	46.0	1684.0	93.0	2090.0	71.0	2090.0	71.0	19.4
VLC04_56	289.00	0.59	26.13000	0.46000	0.73400	0.01400	0.78539	3349.0	17.0	3558.0	52.0	3247.0	21.0	3247.0	21.0	9.6
MK01DZ: Petaca Fm., Pre-Neogene (n=115), (19.68°S, 64.23°W)																
MK01DZ-004	912.70	0.48	0.12620	0.00200	0.01768	0.00018	0.28569	120.7	1.8	113.0	1.1	271.0	17.0	113.0	1.1	6.4
MK01DZ-006	294.00	1.10	0.13810	0.00240	0.01986	0.00021	0.22332	131.3	2.2	126.8	1.3	213.0	24.0	126.8	1.3	3.4
MK01DZ-012	180.20	0.65	0.24930	0.00480	0.03444	0.00046	0.12105	225.9	3.9	218.3	2.9	348.0	26.0	218.3	2.9	3.4
MK01DZ-025	313.30	0.93	0.28460	0.00360	0.04042	0.00043	0.28586	254.2	2.9	255.4	2.7	249.0	18.0	255.4	2.7	0.5
MK01DZ-036	279.20	0.55	0.37040	0.00570	0.04994	0.00046	0.47984	319.8	4.2	314.1	2.8	379.0	21.0	314.1	2.8	1.8
MK01DZ-081	73.80	1.10	0.45420	0.00840	0.06116	0.00077	0.08354	380.8	5.7	382.6	4.7	360.0	36.0	382.6	4.7	0.5
MK01DZ-110	381.10	1.41	0.48730	0.00710	0.06458	0.00069	0.34797	402.9	4.8	403.4	4.1	416.0	20.0	403.4	4.1	0.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK01DZ-060	190.90	0.38	0.81800	0.04600	0.07045	0.00092	0.65770	603.0	26.0	438.8	5.5	1269.0	91.0	438.8	5.5	27.2
MK01DZ-053	181.60	8.71	0.58560	0.00710	0.07599	0.00062	0.34225	468.5	4.5	472.1	3.7	446.0	15.0	472.1	3.7	0.8
MK01DZ-079	182.20	1.46	0.60500	0.00600	0.07765	0.00084	0.43252	480.3	3.8	482.0	5.0	480.0	15.0	482.0	5.0	0.4
MK01DZ-018	305.00	3.16	0.79800	0.01300	0.07910	0.00130	0.29764	595.6	7.3	490.8	7.8	1040.0	29.0	490.8	7.8	17.6
MK01DZ-082	151.00	0.81	0.61610	0.00930	0.08080	0.00100	0.22346	487.2	5.8	500.8	6.1	454.0	28.0	500.8	6.1	2.8
MK01DZ-020	356.00	3.10	0.70680	0.00780	0.08290	0.00100	0.45398	543.3	4.6	513.3	6.2	671.0	16.0	513.3	6.2	5.5
MK01DZ-049	222.60	0.64	0.67710	0.00670	0.08343	0.00070	0.11180	525.5	4.1	516.5	4.2	552.0	16.0	516.5	4.2	1.7
MK01DZ-008	227.10	1.07	0.67400	0.00760	0.08365	0.00078	0.46962	523.6	4.7	517.8	4.6	547.0	14.0	517.8	4.6	1.1
MK01DZ-061	320.00	9.30	0.65580	0.00770	0.08390	0.00100	0.22061	512.0	4.7	519.2	6.2	480.0	17.0	519.2	6.2	1.4
MK01DZ-055	50.40	1.01	0.69700	0.01300	0.08440	0.00120	0.21647	536.3	7.9	522.4	7.1	590.0	34.0	522.4	7.1	2.6
MK01DZ-027	55.80	0.99	0.67100	0.01300	0.08500	0.00110	0.42800	520.9	8.1	525.8	6.4	516.0	17.0	525.8	6.4	0.9
MK01DZ-107	156.40	9.60	0.68000	0.01300	0.08670	0.00120	0.71780	526.4	7.5	535.8	7.3	507.0	15.0	535.8	7.3	1.8
MK01DZ-091	87.10	1.40	0.81500	0.03800	0.08740	0.00140	0.06689	603.0	21.0	540.1	8.2	860.0	85.0	540.1	8.2	10.4
MK01DZ-075	76.80	1.00	0.72700	0.01200	0.08840	0.00110	0.17692	554.6	7.2	546.7	6.4	588.0	21.0	546.7	6.4	1.4
MK01DZ-047	188.00	1.78	0.75280	0.00940	0.08890	0.00100	0.38106	569.6	5.4	549.1	5.9	640.0	16.0	549.1	5.9	3.6
MK01DZ-071	161.20	2.94	0.71200	0.01100	0.08960	0.00120	0.42536	546.6	6.7	553.3	7.1	525.0	16.0	553.3	7.1	1.2
MK01DZ-064	123.30	0.90	0.81500	0.01000	0.08984	0.00097	0.38546	605.8	5.3	554.5	5.7	808.0	13.0	554.5	5.7	8.5
MK01DZ-046	55.90	2.15	0.75700	0.01400	0.09151	0.00092	0.08796	572.9	8.1	564.4	5.5	611.0	26.0	564.4	5.5	1.5
MK01DZ-104	160.50	0.70	0.73880	0.00870	0.09167	0.00084	0.36479	561.5	5.1	565.4	4.9	556.0	17.0	565.4	4.9	0.7
MK01DZ-113	61.90	0.94	0.74600	0.01200	0.09180	0.00110	0.20435	565.6	7.1	566.4	6.4	555.0	25.0	566.4	6.4	0.1
MK01DZ-106	65.60	0.57	0.79700	0.01500	0.09530	0.00150	0.50885	594.9	8.5	586.6	9.0	607.0	23.0	586.6	9.0	1.4
MK01DZ-080	208.00	1.34	0.79310	0.00780	0.09603	0.00077	0.72756	592.8	4.4	591.0	4.5	603.0	10.0	591.0	4.5	0.3
MK01DZ-001	73.20	0.72	0.85200	0.01600	0.09613	0.00098	0.12358	625.0	8.8	591.7	5.8	745.0	27.0	591.7	5.8	5.3
MK01DZ-016	291.00	0.68	0.84400	0.01100	0.09710	0.00110	0.70140	622.1	6.1	597.6	6.6	722.0	10.0	597.6	6.6	3.9
MK01DZ-096	127.40	2.27	0.83200	0.01100	0.09720	0.00140	0.49487	614.6	5.9	598.0	8.1	674.0	16.0	598.0	8.1	2.7
MK01DZ-037	345.00	0.78	0.81070	0.00510	0.09834	0.00083	0.33401	602.8	2.8	604.6	4.9	610.0	13.0	604.6	4.9	0.3
MK01DZ-102	274.00	0.92	0.81310	0.00700	0.09846	0.00096	0.50210	604.1	3.9	605.3	5.6	624.0	11.0	605.3	5.6	0.2
MK01DZ-013	216.30	3.03	0.83750	0.00880	0.09850	0.00100	0.45063	617.5	4.9	605.4	6.1	660.0	14.0	605.4	6.1	2.0
MK01DZ-093	174.70	3.07	0.81600	0.01100	0.09890	0.00130	0.62464	605.6	6.4	607.9	7.4	611.0	14.0	607.9	7.4	0.4
MK01DZ-089	185.00	0.64	0.83600	0.01400	0.09910	0.00160	0.63069	617.5	7.5	609.2	9.2	650.0	15.0	609.2	9.2	1.3
MK01DZ-116	80.00	3.13	0.85100	0.01200	0.10220	0.00110	0.42092	624.7	6.7	627.3	6.3	621.0	16.0	627.3	6.3	0.4
MK01DZ-034	265.00	2.67	1.05900	0.01400	0.10250	0.00100	0.41265	733.3	6.8	628.8	5.8	1059.0	16.0	628.8	5.8	14.3
MK01DZ-070	75.70	1.46	0.85000	0.01600	0.10260	0.00140	0.00147	624.0	8.7	629.7	8.2	615.0	32.0	629.7	8.2	0.9
MK01DZ-040	127.30	0.75	0.88770	0.00930	0.10416	0.00096	0.16623	645.7	5.1	638.7	5.6	671.0	18.0	638.7	5.6	1.1
MK01DZ-058	42.80	0.34	0.85800	0.01700	0.10440	0.00140	0.18229	629.6	9.4	640.1	7.9	601.0	23.0	640.1	7.9	1.7
MK01DZ-087	129.00	0.54	0.91000	0.01100	0.10580	0.00110	0.33600	656.8	5.9	648.2	6.3	691.0	17.0	648.2	6.3	1.3
MK01DZ-051	155.00	1.97	0.90000	0.01100	0.10730	0.00093	0.46132	652.3	6.0	657.0	5.4	644.0	13.0	657.0	5.4	0.7
MK01DZ-095	303.00	1.90	1.00300	0.01300	0.10760	0.00210	0.64080	705.3	6.4	659.0	12.0	839.0	19.0	659.0	12.0	6.6
MK01DZ-112	123.60	1.61	0.90400	0.01200	0.10780	0.00110	0.37155	653.3	6.6	659.7	6.2	622.0	17.0	659.7	6.2	1.0
MK01DZ-094	262.00	1.10	0.90800	0.01000	0.10800	0.00110	0.63325	655.8	5.4	660.9	6.5	660.0	14.0	660.9	6.5	0.8
MK01DZ-045	22.90	2.41	0.96400	0.02700	0.10810	0.00200	0.29527	686.0	14.0	661.0	12.0	766.0	36.0	661.0	12.0	3.6
MK01DZ-099	175.80	1.57	0.90300	0.01000	0.10877	0.00096	0.25463	653.3	5.6	665.6	5.6	630.0	13.0	665.6	5.6	1.9
MK01DZ-109	30.50	1.43	1.11200	0.02800	0.11080	0.00190	0.31543	758.0	14.0	677.0	11.0	1012.0	36.0	677.0	11.0	10.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK01DZ-117	241.70	2.49	0.95860	0.00760	0.11108	0.00085	0.29666	683.0	3.8	679.0	4.9	687.0	13.0	679.0	4.9	0.6
MK01DZ-073	53.80	0.86	0.95700	0.01500	0.11120	0.00120	0.29860	681.3	7.8	679.8	6.9	692.0	19.0	679.8	6.9	0.2
MK01DZ-029	254.00	0.86	0.99000	0.01100	0.11470	0.00130	0.36802	698.7	5.5	699.9	7.6	692.0	18.0	699.9	7.6	0.2
MK01DZ-076	55.80	0.94	1.04100	0.01400	0.11930	0.00120	0.37543	724.1	7.2	726.3	6.7	714.0	17.0	726.3	6.7	0.3
MK01DZ-021	181.40	0.68	1.50100	0.05300	0.12050	0.00190	0.57972	931.0	21.0	733.0	11.0	1456.0	47.0	733.0	11.0	21.3
MK01DZ-024	42.60	0.77	1.14800	0.02400	0.12850	0.00200	0.04273	777.0	11.0	779.0	11.0	791.0	23.0	779.0	11.0	0.3
MK01DZ-111	110.90	0.88	1.21500	0.01900	0.12950	0.00240	0.56672	807.4	8.5	785.0	14.0	854.0	17.0	785.0	14.0	2.8
MK01DZ-035	100.60	1.18	1.15700	0.01300	0.12970	0.00130	0.18018	781.9	6.2	786.3	7.5	769.0	18.0	786.3	7.5	0.6
MK01DZ-057	189.00	0.88	1.29000	0.01200	0.14020	0.00100	0.52185	841.6	5.1	845.8	5.6	839.0	10.0	845.8	5.6	0.5
MK01DZ-030	15.50	1.49	1.65000	0.05900	0.14180	0.00330	0.40348	990.0	22.0	855.0	19.0	1293.0	33.0	855.0	19.0	13.6
MK01DZ-019	164.50	1.32	1.46800	0.02100	0.14650	0.00180	0.46393	916.9	8.8	881.0	10.0	1017.0	16.0	881.0	10.0	3.9
MK01DZ-022	214.40	1.74	1.54200	0.01500	0.15500	0.00150	0.43830	947.1	5.8	929.0	8.5	990.0	11.0	929.0	8.5	1.9
MK01DZ-100	87.70	2.47	1.55100	0.02100	0.16180	0.00190	0.53638	950.1	8.5	967.0	11.0	933.0	14.0	933.0	11.0	1.8
MK01DZ-050	204.80	2.63	1.63700	0.01200	0.16390	0.00130	0.49895	984.4	4.6	978.1	7.1	996.6	7.8	996.6	7.8	1.9
MK01DZ-101	176.80	1.19	1.82000	0.01500	0.18290	0.00140	0.56854	1053.2	5.6	1082.5	7.6	1000.8	7.7	1000.8	7.7	8.2
MK01DZ-083	88.65	1.39	1.81400	0.02300	0.17620	0.00290	0.66332	1051.4	8.0	1046.0	16.0	1033.0	16.0	1033.0	16.0	1.3
MK01DZ-118	102.00	2.77	1.84400	0.01600	0.18150	0.00160	0.25537	1061.8	5.7	1075.0	8.5	1036.0	14.0	1036.0	14.0	3.8
MK01DZ-043	126.70	1.70	1.73000	0.02100	0.16910	0.00130	0.49160	1020.1	7.9	1007.3	7.3	1048.0	12.0	1048.0	12.0	3.9
MK01DZ-066	196.00	1.00	1.78900	0.01600	0.17300	0.00140	0.52369	1042.7	6.1	1028.7	7.8	1058.0	12.0	1058.0	12.0	2.8
MK01DZ-059	65.35	0.78	1.84600	0.02700	0.17880	0.00270	0.49403	1061.5	9.5	1060.0	15.0	1065.0	17.0	1065.0	17.0	0.5
MK01DZ-054	128.40	1.52	1.89000	0.02400	0.18360	0.00210	0.63389	1077.2	8.4	1086.0	11.0	1068.8	9.2	1068.8	9.2	1.6
MK01DZ-009	74.20	2.80	1.77000	0.02100	0.16970	0.00140	0.34899	1035.0	7.8	1010.5	7.8	1071.0	14.0	1071.0	14.0	5.6
MK01DZ-074	313.00	1.50	1.91100	0.03700	0.18170	0.00280	0.81806	1084.0	13.0	1076.0	15.0	1092.0	14.0	1092.0	14.0	1.5
MK01DZ-078	62.00	0.50	1.82000	0.02700	0.17500	0.00230	0.60872	1051.7	9.8	1039.0	13.0	1102.0	16.0	1102.0	16.0	5.7
MK01DZ-056	137.50	1.02	2.34000	0.02100	0.21250	0.00210	0.60299	1224.1	6.4	1242.0	11.0	1205.0	12.0	1205.0	12.0	3.1
MK01DZ-026	116.20	1.92	2.28600	0.02100	0.20650	0.00190	0.58722	1207.6	6.6	1210.0	10.0	1207.0	11.0	1207.0	11.0	0.2
MK01DZ-062	132.00	1.13	2.76600	0.02400	0.23860	0.00210	0.41446	1347.8	6.2	1379.0	11.0	1297.0	11.0	1297.0	11.0	6.3
MK01DZ-032	413.20	0.98	2.44500	0.02100	0.21000	0.00240	0.75998	1255.5	6.1	1228.0	13.0	1298.0	7.2	1298.0	7.2	5.4
MK01DZ-085	99.00	2.04	2.61900	0.03300	0.22440	0.00260	0.53079	1305.2	9.2	1305.0	14.0	1317.0	15.0	1317.0	15.0	0.9
MK01DZ-092	113.30	1.87	2.73700	0.04700	0.23070	0.00330	0.72234	1338.0	13.0	1338.0	18.0	1336.0	12.0	1336.0	12.0	0.1
MK01DZ-119	37.54	0.29	2.97200	0.06400	0.24830	0.00340	0.59250	1400.0	16.0	1430.0	17.0	1339.0	22.0	1339.0	22.0	6.8
MK01DZ-017	450.80	3.39	2.48500	0.03100	0.20620	0.00260	0.79058	1266.9	9.1	1210.0	14.0	1358.5	9.5	1358.5	9.5	10.9
MK01DZ-039	162.00	1.35	2.66000	0.10000	0.21480	0.00670	0.97361	1317.0	28.0	1253.0	36.0	1420.0	16.0	1420.0	16.0	11.8
MK01DZ-052	43.30	2.25	2.97700	0.04700	0.24100	0.00430	0.44710	1404.0	13.0	1391.0	22.0	1425.0	21.0	1425.0	21.0	2.4
MK01DZ-067	43.80	3.30	3.19900	0.03000	0.25330	0.00260	0.31150	1456.5	7.2	1457.0	13.0	1454.0	12.0	1454.0	12.0	0.2
MK01DZ-031	282.90	2.15	2.69000	0.11000	0.21010	0.00820	0.98312	1317.0	32.0	1227.0	44.0	1479.4	9.9	1479.4	9.9	17.1
MK01DZ-098	339.00	1.66	2.55700	0.07700	0.20060	0.00720	0.97061	1285.0	22.0	1177.0	39.0	1492.0	15.0	1492.0	15.0	21.1
MK01DZ-042	85.50	1.13	3.74600	0.03100	0.28200	0.00220	0.55326	1581.7	6.5	1601.0	11.0	1558.3	8.7	1558.3	8.7	2.7
MK01DZ-015	102.00	1.45	4.05000	0.14000	0.29180	0.00690	0.89929	1639.0	29.0	1649.0	34.0	1628.0	28.0	1628.0	28.0	1.3
MK01DZ-103	142.70	1.15	3.97500	0.03400	0.28710	0.00300	0.65242	1628.9	6.9	1627.0	15.0	1638.0	11.0	1638.0	11.0	0.7
MK01DZ-086	120.10	1.38	4.30200	0.05200	0.30760	0.00340	0.79459	1693.0	10.0	1729.0	17.0	1651.8	8.9	1651.8	8.9	4.7
MK01DZ-007	155.50	1.07	3.36500	0.02800	0.23980	0.00210	0.53718	1495.9	6.5	1385.0	11.0	1658.5	8.5	1658.5	8.5	16.5
MK01DZ-048	62.40	1.04	4.11500	0.04400	0.29120	0.00300	0.60607	1656.8	8.7	1647.0	15.0	1671.0	12.0	1671.0	12.0	1.4

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK01DZ-010	89.90	0.77	4.00500	0.04600	0.28240	0.00380	0.73690	1634.7	9.4	1606.0	19.0	1672.1	8.8	1672.1	8.8	4.0
MK01DZ-069	249.90	0.80	4.20300	0.02100	0.29570	0.00180	0.59798	1674.5	4.0	1669.9	8.8	1673.7	7.2	1673.7	7.2	0.2
MK01DZ-014	136.10	1.47	4.17700	0.04800	0.28880	0.00350	0.59145	1670.1	9.2	1641.0	17.0	1711.0	12.0	1711.0	12.0	4.1
MK01DZ-114	105.00	0.61	4.54300	0.03800	0.31270	0.00250	0.43063	1738.5	6.9	1754.0	12.0	1713.3	9.0	1713.3	9.0	2.4
MK01DZ-105	185.90	0.68	4.44800	0.02800	0.30940	0.00240	0.61451	1721.3	5.3	1738.0	12.0	1717.8	7.9	1717.8	7.9	1.2
MK01DZ-038	16.59	0.34	4.38200	0.07800	0.30180	0.00500	0.42367	1710.0	15.0	1700.0	25.0	1748.0	17.0	1748.0	17.0	2.7
MK01DZ-033	87.00	0.78	4.39600	0.03400	0.29880	0.00190	0.45676	1712.1	6.5	1685.1	9.6	1750.0	8.2	1750.0	8.2	3.7
MK01DZ-108	85.70	1.32	4.82100	0.04000	0.32850	0.00220	0.43751	1789.1	6.7	1831.0	11.0	1751.5	9.3	1751.5	9.3	4.5
MK01DZ-065	93.00	0.80	5.20200	0.05500	0.34220	0.00300	0.74779	1852.2	9.0	1897.0	14.0	1820.7	7.5	1820.7	7.5	4.2
MK01DZ-115	66.30	0.48	4.86300	0.04700	0.31610	0.00300	0.43777	1796.2	8.1	1770.0	15.0	1820.7	8.9	1820.7	8.9	2.8
MK01DZ-090	173.70	0.65	4.98100	0.05200	0.32140	0.00290	0.91669	1815.5	9.0	1796.0	14.0	1845.8	8.1	1845.8	8.1	2.7
MK01DZ-072	232.00	2.80	5.31200	0.05300	0.34010	0.00320	0.83727	1870.2	8.5	1887.0	15.0	1851.3	6.2	1851.3	6.2	1.9
MK01DZ-044	145.00	0.84	5.45700	0.04400	0.34310	0.00350	0.75081	1893.5	7.0	1901.0	17.0	1893.2	8.2	1893.2	8.2	0.4
MK01DZ-005	94.80	0.73	5.00400	0.05800	0.30720	0.00340	0.54766	1819.5	9.9	1727.0	17.0	1922.0	11.0	1922.0	11.0	10.1
MK01DZ-011	58.50	0.56	5.44200	0.08900	0.33180	0.00540	0.65534	1891.0	14.0	1851.0	27.0	1925.8	9.3	1925.8	9.3	3.9
MK01DZ-023	77.90	1.06	5.05000	0.11000	0.30760	0.00580	0.83725	1829.0	19.0	1728.0	29.0	1933.0	14.0	1933.0	14.0	10.6
MK01DZ-088	30.14	0.73	5.61800	0.08700	0.33730	0.00330	0.36728	1917.0	13.0	1875.0	16.0	1969.0	17.0	1969.0	17.0	4.8
MK01DZ-028	68.00	0.62	6.21000	0.05200	0.37230	0.00330	0.69002	2005.5	7.3	2040.0	16.0	1972.2	7.5	1972.2	7.5	3.4
MK01DZ-002	256.60	2.64	5.91300	0.06200	0.34400	0.00410	0.75199	1963.8	8.9	1906.0	20.0	2023.1	9.0	2023.1	9.0	5.8
MK01DZ-077	75.70	0.40	5.65300	0.08600	0.31270	0.00440	0.64350	1925.0	13.0	1754.0	22.0	2102.0	11.0	2102.0	11.0	16.6
MK01DZ-120	337.80	1.66	7.66000	0.12000	0.36060	0.00600	0.69444	2190.0	15.0	1989.0	30.0	2383.0	14.0	2383.0	14.0	16.5
MK01DZ-003	156.00	1.02	9.77500	0.09400	0.43150	0.00370	0.84929	2413.4	8.9	2312.0	17.0	2491.3	6.3	2491.3	6.3	7.2
MK02DZ: Tariquia Fm., Oligocene-Miocene (n=118), (19.68°S, 64.23°W)																
MK02DZ_75	132.40	1.10	0.04110	0.00190	0.00602	0.00014	0.17354	40.9	1.9	38.7	0.9	335.0	62.0	38.7	0.9	5.4
MK02DZ_65	234.80	0.87	0.15450	0.00440	0.02179	0.00031	0.19881	145.8	3.8	139.0	2.0	273.0	44.0	139.0	2.0	4.7
MK02DZ_4	407.00	0.82	0.28890	0.00320	0.04054	0.00042	0.46812	257.7	2.5	256.2	2.6	267.0	16.0	256.2	2.6	0.6
MK02DZ_53	311.00	0.76	0.31560	0.00330	0.04447	0.00030	0.31407	278.4	2.6	280.5	1.8	264.0	13.0	280.5	1.8	−0.8
MK02DZ_13	65.10	0.82	0.34070	0.00900	0.04718	0.00064	0.00466	298.3	6.7	297.1	3.9	322.0	41.0	297.1	3.9	0.4
MK02DZ_110	594.00	3.96	0.51580	0.00830	0.05791	0.00098	0.84185	422.0	5.6	362.9	6.0	764.1	8.8	362.9	6.0	14.0
MK02DZ_33	138.50	1.18	0.57080	0.00870	0.07177	0.00082	0.34566	458.3	5.6	446.8	4.9	519.0	20.0	446.8	4.9	2.5
MK02DZ_41	325.00	0.74	0.64700	0.02300	0.07500	0.00200	0.03959	506.0	14.0	466.0	12.0	675.0	32.0	466.0	12.0	7.9
MK02DZ_69	76.30	1.27	0.62800	0.01000	0.07998	0.00080	0.10608	494.5	6.4	496.0	4.8	488.0	25.0	496.0	4.8	−0.3
MK02DZ_2	298.00	0.79	0.70900	0.01800	0.08030	0.00140	0.49216	546.0	10.0	497.9	8.1	737.0	31.0	497.9	8.1	8.8
MK02DZ_116	224.80	1.39	0.73600	0.01200	0.08060	0.00150	0.54870	559.7	6.9	499.9	9.1	835.0	28.0	499.9	9.1	10.7
MK02DZ_93	148.00	1.34	0.65800	0.01100	0.08140	0.00120	0.71080	514.1	6.8	504.6	7.4	561.0	18.0	504.6	7.4	1.8
MK02DZ_48	227.00	2.46	0.90700	0.01900	0.08370	0.00100	0.50829	655.0	10.0	518.1	6.0	1155.0	24.0	518.1	6.0	20.9
MK02DZ_18	180.90	1.64	0.66900	0.00980	0.08421	0.00089	0.40613	519.9	6.0	521.2	5.3	497.0	18.0	521.2	5.3	−0.3
MK02DZ_108	142.00	1.02	0.68670	0.00960	0.08449	0.00086	0.29518	530.5	5.8	522.8	5.1	563.0	20.0	522.8	5.1	1.5
MK02DZ_24	136.60	1.42	0.67930	0.00780	0.08475	0.00058	0.27253	526.2	4.7	524.4	3.4	526.0	14.0	524.4	3.4	0.3
MK02DZ_47	165.10	1.71	0.68160	0.00750	0.08504	0.00083	0.58485	527.5	4.5	526.1	4.9	532.0	16.0	526.1	4.9	0.3
MK02DZ_10	46.90	1.56	0.69800	0.02800	0.08580	0.00200	0.23842	537.0	17.0	531.0	12.0	624.0	77.0	531.0	12.0	1.1
MK02DZ_85	139.80	1.12	0.68020	0.00930	0.08613	0.00082	0.39262	526.6	5.6	532.6	4.9	512.0	18.0	532.6	4.9	−1.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK02DZ_101	50.93	0.99	0.72300	0.01800	0.08660	0.00140	0.28014	552.0	11.0	535.5	8.3	613.0	34.0	535.5	8.3	3.0
MK02DZ_45	100.00	1.18	0.70700	0.01200	0.08720	0.00100	0.36961	542.6	7.1	539.1	6.1	549.0	20.0	539.1	6.1	0.6
MK02DZ_23	511.00	5.24	0.71800	0.01100	0.08799	0.00094	0.47819	549.1	6.3	543.6	5.6	584.0	20.0	543.6	5.6	1.0
MK02DZ_17	559.40	5.30	0.71410	0.00560	0.08801	0.00059	0.48969	547.1	3.3	543.7	3.5	560.9	8.7	543.7	3.5	0.6
MK02DZ_8	404.60	1.10	0.83140	0.00990	0.08906	0.00091	0.33905	614.3	5.5	549.9	5.4	857.0	16.0	549.9	5.4	10.5
MK02DZ_67	246.00	1.05	0.74320	0.00830	0.09176	0.00077	0.52999	564.0	4.8	565.9	4.5	550.0	12.0	565.9	4.5	−0.3
MK02DZ_99	83.70	1.24	0.74800	0.01200	0.09220	0.00100	0.18129	566.6	7.1	568.3	6.0	553.0	22.0	568.3	6.0	−0.3
MK02DZ_120	118.60	2.23	0.77100	0.01100	0.09245	0.00084	0.43444	581.7	6.3	570.0	5.0	620.0	19.0	570.0	5.0	2.0
MK02DZ_111	14.77	0.92	0.87100	0.03400	0.09370	0.00220	0.14294	635.0	19.0	577.0	13.0	861.0	58.0	577.0	13.0	9.1
MK02DZ_32	162.90	1.29	0.77430	0.00840	0.09410	0.00070	0.42855	582.0	4.8	579.7	4.1	589.0	12.0	579.7	4.1	0.4
MK02DZ_96	112.50	1.40	0.79140	0.00890	0.09474	0.00086	0.37653	591.7	5.0	583.5	5.1	621.0	12.0	583.5	5.1	1.4
MK02DZ_103	186.00	0.80	0.84400	0.01200	0.09480	0.00160	0.54031	621.1	6.7	583.9	9.5	754.0	21.0	583.9	9.5	6.0
MK02DZ_2	166.80	0.87	0.79500	0.01600	0.09480	0.00200	0.44873	593.8	8.9	584.0	12.0	606.0	24.0	584.0	12.0	1.7
MK02DZ_84	115.00	3.24	0.79190	0.00790	0.09527	0.00097	0.02709	592.1	4.5	586.6	5.7	611.0	21.0	586.6	5.7	0.9
MK02DZ_79	222.70	1.81	0.78800	0.01300	0.09540	0.00100	0.54387	590.8	7.7	587.1	6.0	615.0	16.0	587.1	6.0	0.6
MK02DZ_1	98.20	0.33	0.78160	0.00990	0.09568	0.00078	0.35081	586.1	5.6	589.0	4.6	582.0	15.0	589.0	4.6	−0.5
MK02DZ_46	158.40	1.32	0.79080	0.00810	0.09571	0.00075	0.51255	591.4	4.6	589.2	4.4	611.0	13.0	589.2	4.4	0.4
MK02DZ_51	233.10	1.53	0.79500	0.00700	0.09667	0.00077	0.14829	593.8	3.9	594.9	4.5	601.0	14.0	594.9	4.5	−0.2
MK02DZ_66	156.40	0.78	0.83100	0.01100	0.09751	0.00074	0.11674	613.6	5.9	599.8	4.4	644.0	19.0	599.8	4.4	2.2
MK02DZ_70	348.00	1.61	0.81540	0.00580	0.09784	0.00061	0.63580	605.4	3.3	601.7	3.6	619.4	8.4	601.7	3.6	0.6
MK02DZ_15	105.40	1.08	0.84300	0.01100	0.09814	0.00074	0.17793	620.3	5.9	603.5	4.3	694.0	18.0	603.5	4.3	2.7
MK02DZ_98	303.60	0.85	0.82640	0.00590	0.09866	0.00075	0.31330	612.0	3.4	606.5	4.4	630.1	9.7	606.5	4.4	0.9
MK02DZ_89	90.40	1.32	0.84300	0.01300	0.09900	0.00110	0.38926	620.3	7.1	608.2	6.4	694.0	17.0	608.2	6.4	2.0
MK02DZ_100	129.70	2.07	0.83200	0.02500	0.09970	0.00210	0.69782	614.0	14.0	612.0	12.0	627.0	32.0	612.0	12.0	0.3
MK02DZ_55	166.30	1.64	0.82870	0.00960	0.10016	0.00075	0.32901	612.6	5.3	615.3	4.4	605.0	15.0	615.3	4.4	−0.4
MK02DZ_118	252.00	0.86	0.86300	0.01500	0.10210	0.00160	0.61845	631.3	8.1	626.7	9.3	636.0	18.0	626.7	9.3	0.7
MK02DZ_109	341.50	1.30	0.87300	0.01400	0.10210	0.00140	0.69339	636.8	7.6	626.8	7.9	693.0	20.0	626.8	7.9	1.6
MK02DZ_54	115.30	1.87	0.90300	0.01300	0.10272	0.00078	0.01193	652.8	6.7	630.3	4.5	734.0	24.0	630.3	4.5	3.4
MK02DZ_92	14.80	−260.00	0.85500	0.03400	0.10400	0.00220	0.02489	625.0	18.0	637.0	13.0	615.0	54.0	637.0	13.0	−1.9
MK02DZ_94	327.00	3.08	0.90320	0.00790	0.10657	0.00085	0.53027	653.3	4.2	652.7	5.0	656.7	9.2	652.7	5.0	0.1
MK02DZ_29	36.70	0.76	0.91800	0.01900	0.10840	0.00130	0.02647	663.0	10.0	663.3	7.6	688.0	30.0	663.3	7.6	0.0
MK02DZ_104	431.00	1.09	0.95500	0.01700	0.10970	0.00250	0.86994	680.1	8.8	671.0	15.0	722.0	17.0	671.0	15.0	1.3
MK02DZ_25	122.40	1.69	1.02100	0.01200	0.11690	0.00100	0.18878	714.1	6.0	712.7	6.0	731.0	14.0	712.7	6.0	0.2
MK02DZ_119	398.00	2.11	1.14700	0.01300	0.12560	0.00180	0.71085	775.8	6.2	762.0	10.0	836.0	14.0	762.0	10.0	1.8
MK02DZ_59	74.10	2.05	1.22700	0.03600	0.12860	0.00300	0.60488	812.0	16.0	780.0	17.0	939.0	24.0	780.0	17.0	3.9
MK02DZ_58	171.20	0.45	1.23400	0.03300	0.12870	0.00140	0.20310	815.0	15.0	780.3	8.2	916.0	46.0	780.3	8.2	4.3
MK02DZ_80	103.10	1.95	1.24000	0.01600	0.12880	0.00130	0.27914	818.7	7.3	780.8	7.3	907.0	17.0	780.8	7.3	4.6
MK02DZ_18	120.80	1.20	1.35300	0.03900	0.13420	0.00250	0.73998	868.0	17.0	812.0	14.0	1017.0	23.0	812.0	14.0	6.5
MK02DZ_102	49.20	0.83	1.66400	0.03900	0.15680	0.00350	0.37508	998.0	15.0	939.0	19.0	1111.0	29.0	939.0	19.0	5.9
MK02DZ_76	74.54	2.23	1.56400	0.02200	0.15710	0.00220	0.50419	955.5	8.7	940.0	12.0	991.0	15.0	940.0	12.0	1.6
MK02DZ_82	114.30	0.57	1.58900	0.01500	0.15830	0.00140	0.52379	965.8	5.8	947.5	7.7	1005.2	8.6	947.5	7.7	1.9
MK02DZ_10	13.60	1.01	1.61200	0.05900	0.16430	0.00450	0.62713	973.0	23.0	981.0	25.0	954.0	24.0	954.0	24.0	−2.8
MK02DZ_107	64.70	1.46	1.58200	0.02100	0.16010	0.00170	0.27036	963.8	8.2	957.2	9.3	983.0	17.0	983.0	17.0	2.6

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK02DZ_88	159.30	1.78	1.71000	0.01600	0.16970	0.00110	0.41069	1011.8	6.0	1010.4	6.3	1021.0	12.0	1021.0	12.0	1.0
MK02DZ_19	17.83	1.06	1.68400	0.05000	0.16900	0.00260	0.02208	1004.0	19.0	1007.0	14.0	1028.0	48.0	1028.0	48.0	2.0
MK02DZ_35	320.00	1.63	1.71800	0.01400	0.17010	0.00120	0.66002	1015.8	4.9	1012.8	6.5	1028.7	8.2	1028.7	8.2	1.5
MK02DZ_7	92.50	1.20	1.75700	0.03100	0.17170	0.00320	0.70145	1029.0	11.0	1021.0	17.0	1041.0	16.0	1041.0	16.0	1.9
MK02DZ_21	456.00	1.76	1.75500	0.01400	0.17220	0.00140	0.66991	1028.8	5.2	1024.1	8.0	1047.9	7.8	1047.9	7.8	2.3
MK02DZ_78	154.00	2.07	1.72400	0.01500	0.16850	0.00140	0.34922	1017.3	5.5	1003.5	7.6	1050.0	10.0	1050.0	10.0	4.4
MK02DZ_39	93.50	1.47	1.65700	0.01900	0.16240	0.00180	0.52808	993.8	7.3	970.2	9.7	1054.0	12.0	1054.0	12.0	8.0
MK02DZ_56	286.00	1.25	1.82300	0.01300	0.17650	0.00120	0.58026	1053.4	4.7	1048.0	6.4	1057.6	7.0	1057.6	7.0	0.9
MK02DZ_12	115.60	2.25	1.77000	0.02000	0.17330	0.00160	0.49332	1035.2	7.0	1030.2	8.5	1058.0	12.0	1058.0	12.0	2.6
MK02DZ_113	83.30	1.21	1.79500	0.01800	0.17310	0.00120	0.34358	1043.4	6.4	1029.2	6.8	1083.0	13.0	1083.0	13.0	5.0
MK02DZ_40	78.00	1.34	1.87800	0.02400	0.17950	0.00190	0.43850	1072.8	8.6	1064.0	10.0	1086.0	10.0	1086.0	10.0	2.0
MK02DZ_81	34.90	1.37	1.69800	0.03000	0.16430	0.00180	0.19442	1008.0	12.0	981.0	10.0	1087.0	18.0	1087.0	18.0	9.8
MK02DZ_61	181.00	0.79	1.91200	0.01700	0.18050	0.00190	0.59024	1085.2	5.9	1070.0	10.0	1122.0	11.0	1122.0	11.0	4.6
MK02DZ_50	97.60	0.76	2.04300	0.01900	0.18950	0.00160	0.45129	1129.5	6.3	1118.8	8.4	1158.7	9.6	1158.7	9.6	3.4
MK02DZ_37	177.60	1.70	2.04500	0.02000	0.18850	0.00170	0.59611	1131.8	6.5	1113.1	9.2	1158.9	9.4	1158.9	9.4	4.0
MK02DZ_9	116.00	0.80	2.19500	0.01600	0.20110	0.00140	0.37652	1179.2	5.0	1181.3	7.5	1175.4	9.9	1175.4	9.9	−0.5
MK02DZ_14	226.00	10.46	2.23600	0.01700	0.20360	0.00160	0.68543	1192.3	5.2	1194.4	8.5	1186.1	6.1	1186.1	6.1	−0.7
MK02DZ_72	172.00	1.21	2.15600	0.03900	0.19690	0.00280	0.87928	1166.0	13.0	1158.0	15.0	1191.0	12.0	1191.0	12.0	2.8
MK02DZ_114	328.00	4.80	2.30600	0.02400	0.20760	0.00200	0.71823	1213.7	7.3	1216.0	11.0	1224.7	9.4	1224.7	9.4	0.7
MK02DZ_31	224.00	1.71	2.29000	0.01800	0.20500	0.00180	0.74231	1209.0	5.6	1202.1	9.6	1224.9	6.7	1224.9	6.7	1.9
MK02DZ_63	136.90	1.40	2.32500	0.01800	0.20800	0.00160	0.42603	1219.5	5.6	1218.0	8.6	1229.0	12.0	1229.0	12.0	0.9
MK02DZ_77	134.00	2.94	2.33300	0.02300	0.20510	0.00230	0.60534	1222.0	6.9	1202.0	12.0	1254.0	15.0	1254.0	15.0	4.1
MK02DZ_42	109.80	2.19	2.30400	0.03400	0.20130	0.00230	0.57098	1213.0	10.0	1182.0	12.0	1267.0	13.0	1267.0	13.0	6.7
MK02DZ_68	198.30	1.26	1.90100	0.02300	0.16640	0.00120	0.35957	1083.0	8.0	992.3	6.7	1274.0	17.0	1274.0	17.0	22.1
MK02DZ_34	318.50	4.10	2.21900	0.02500	0.19420	0.00260	0.52729	1186.9	8.0	1144.0	14.0	1281.0	13.0	1281.0	13.0	10.7
MK02DZ_90	153.00	3.53	2.51900	0.03000	0.21700	0.00230	0.76007	1276.7	8.8	1266.0	12.0	1284.0	10.0	1284.0	10.0	1.4
MK02DZ_44	79.50	1.63	2.71900	0.03300	0.23310	0.00230	0.61475	1333.2	8.9	1351.0	12.0	1309.0	12.0	1309.0	12.0	−3.2
MK02DZ_38	128.40	0.54	2.65100	0.02000	0.22390	0.00160	0.39826	1315.3	5.5	1302.5	8.6	1338.6	8.6	1338.6	8.6	2.7
MK02DZ_3	227.00	4.15	2.57100	0.05000	0.21780	0.00510	0.87893	1292.0	15.0	1270.0	27.0	1348.0	11.0	1348.0	11.0	5.8
MK02DZ_71	19.06	1.88	2.61900	0.05700	0.21750	0.00350	0.35648	1304.0	16.0	1271.0	19.0	1382.0	22.0	1382.0	22.0	8.0
MK02DZ_27	185.10	0.57	2.72000	0.04200	0.22030	0.00310	0.75804	1333.0	12.0	1287.0	17.0	1418.0	10.0	1418.0	10.0	9.2
MK02DZ_97	34.68	1.07	2.86600	0.04900	0.23070	0.00320	0.37258	1372.0	13.0	1338.0	17.0	1434.0	18.0	1434.0	18.0	6.7
MK02DZ_86	383.00	1.55	2.24600	0.04500	0.17650	0.00460	0.96941	1194.0	14.0	1047.0	25.0	1479.0	11.0	1479.0	11.0	29.2
MK02DZ_57	23.66	0.73	4.05500	0.08100	0.28670	0.00490	0.44143	1644.0	16.0	1624.0	25.0	1665.0	14.0	1665.0	14.0	2.5
MK02DZ_30	148.20	0.78	4.26200	0.02500	0.29930	0.00210	0.60081	1685.8	4.8	1688.0	11.0	1689.2	7.4	1689.2	7.4	0.1
MK02DZ_22	78.50	1.19	4.13800	0.03200	0.28880	0.00260	0.66862	1661.6	6.3	1635.0	13.0	1701.0	10.0	1701.0	10.0	3.9
MK02DZ_112	74.10	0.90	4.13600	0.03200	0.28670	0.00280	0.48306	1662.7	6.4	1626.0	14.0	1709.1	8.5	1709.1	8.5	4.9
MK02DZ_28	166.20	1.59	4.32300	0.04300	0.29840	0.00250	0.67386	1697.1	8.2	1683.0	13.0	1710.0	10.0	1710.0	10.0	1.6
MK02DZ_60	122.80	1.17	3.93900	0.04200	0.27110	0.00340	0.79186	1622.4	8.9	1548.0	17.0	1710.5	8.2	1710.5	8.2	9.5
MK02DZ_106	188.00	3.12	4.41800	0.03500	0.30510	0.00260	0.82227	1715.3	6.6	1717.0	13.0	1712.5	6.7	1712.5	6.7	−0.3
MK02DZ_117	254.00	1.95	4.47200	0.02600	0.30320	0.00230	0.56416	1725.5	4.8	1708.0	11.0	1742.0	6.6	1742.0	6.6	2.0
MK02DZ_3	122.00	2.13	4.28000	0.09700	0.28860	0.00560	0.90410	1688.0	18.0	1634.0	28.0	1753.0	16.0	1753.0	16.0	6.8
MK02DZ_115	131.00	1.52	4.68100	0.04500	0.31450	0.00300	0.63629	1763.3	8.1	1764.0	15.0	1764.0	10.0	1764.0	10.0	0.0

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK02DZ_20	67.50	0.74	5.32600	0.04700	0.34240	0.00310	0.70863	1872.6	7.6	1898.0	15.0	1855.4	6.7	1855.4	6.7	−2.3
MK02DZ_91	145.30	0.69	5.15800	0.04500	0.32500	0.00250	0.48405	1846.3	7.6	1814.0	12.0	1879.6	8.9	1879.6	8.9	3.5
MK02DZ_6	339.20	3.19	5.79200	0.05700	0.34730	0.00350	0.68678	1944.9	8.5	1921.0	17.0	1968.5	7.5	1968.5	7.5	2.4
MK02DZ_52	179.60	9.25	6.04800	0.03400	0.35560	0.00230	0.61033	1982.6	5.0	1961.0	11.0	2000.5	5.7	2000.5	5.7	2.0
MK02DZ_87	257.00	2.29	5.91800	0.05100	0.33520	0.00260	0.75242	1963.5	7.4	1863.0	13.0	2068.6	7.0	2068.6	7.0	9.9
MK02DZ_26	47.30	1.36	7.29300	0.06100	0.40030	0.00330	0.45464	2148.5	7.6	2170.0	15.0	2134.5	8.7	2134.5	8.7	−1.7
MK02DZ_11	35.10	0.49	7.61400	0.07100	0.40680	0.00330	0.50423	2185.9	8.4	2200.0	15.0	2178.1	9.4	2178.1	9.4	−1.0
MK02DZ_16	46.00	1.04	7.73200	0.07800	0.40510	0.00410	0.71779	2199.6	9.1	2192.0	19.0	2204.4	8.4	2204.4	8.4	0.6
MK02DZ_62	35.10	0.77	11.69000	0.14000	0.47330	0.00580	0.76203	2579.0	11.0	2497.0	25.0	2638.5	9.0	2638.5	9.0	5.4
MK02DZ_36	113.50	1.30	12.87900	0.07900	0.50210	0.00320	0.66333	2670.6	5.8	2623.0	14.0	2704.0	5.3	2704.0	5.3	3.0
MK02DZ_49	97.40	9.00	13.28000	0.20000	0.49650	0.00610	0.87025	2699.0	14.0	2598.0	26.0	2782.7	8.3	2782.7	8.3	6.6
MK02DZ_83	378.00	1.28	18.00400	0.09500	0.59990	0.00450	0.70572	2989.8	5.1	3029.0	18.0	2966.3	4.2	2966.3	4.2	−2.1
MK02DZ_73	113.30	0.96	16.88000	0.64000	0.51900	0.02000	0.98192	2918.0	37.0	2688.0	84.0	3089.7	5.7	3089.7	5.7	13.0
MK03DZ: Tariquia Fm., Miocene (n=108), (19.7°S, 64.22°W)																
MK03DZ_7	113.60	0.74	0.02970	0.00250	0.00339	0.00013	0.00332	30.2	2.4	21.8	0.8	780.0	88.0	21.8	0.8	27.8
MK03DZ_111	1306.00	4.04	0.02771	0.00058	0.00414	0.00006	0.18354	27.8	0.6	26.6	0.4	176.0	34.0	26.6	0.4	4.0
MK03DZ_59	606.00	1.04	0.02802	0.00082	0.00422	0.00008	0.13465	28.1	0.8	27.2	0.5	218.0	43.0	27.2	0.5	3.2
MK03DZ_51	627.00	2.35	0.05060	0.00420	0.00443	0.00007	0.55854	49.9	4.1	28.5	0.4	1190.0	160.0	28.5	0.4	42.9
MK03DZ_86	155.50	1.06	0.31100	0.00660	0.04215	0.00047	0.22033	274.7	5.1	266.2	2.9	349.0	40.0	266.2	2.9	3.1
MK03DZ_5	126.90	1.11	0.30610	0.00590	0.04244	0.00052	0.27875	271.0	4.6	267.9	3.2	281.0	24.0	267.9	3.2	1.1
MK03DZ_2	231.00	1.56	0.39150	0.00450	0.05327	0.00040	0.08733	335.4	3.3	334.5	2.5	345.0	14.0	334.5	2.5	0.3
MK03DZ_53	608.00	1.04	0.79600	0.02400	0.06045	0.00092	0.15563	594.0	13.0	378.3	5.6	1545.0	51.0	378.3	5.6	36.3
MK03DZ_88	514.40	1.46	0.61580	0.00750	0.06332	0.00093	0.64037	487.1	4.7	396.6	5.8	937.0	19.0	396.6	5.8	18.6
MK03DZ_17	487.00	0.81	0.72810	0.00820	0.06749	0.00051	0.43772	555.2	4.8	421.0	3.1	1160.0	16.0	421.0	3.1	24.2
MK03DZ_69	182.40	1.13	0.72800	0.01700	0.06920	0.00310	0.84345	555.0	10.0	434.0	19.0	1106.0	45.0	434.0	19.0	21.8
MK03DZ_100	62.70	0.83	0.56400	0.01300	0.07260	0.00110	0.25488	455.8	9.0	452.0	6.7	488.0	31.0	452.0	6.7	0.8
MK03DZ_37	267.50	7.70	0.59200	0.01200	0.07500	0.00110	0.78202	471.7	7.6	466.2	6.4	515.0	33.0	466.2	6.4	1.2
MK03DZ_63	290.00	1.85	0.59760	0.00800	0.07561	0.00088	0.32652	475.6	5.1	469.8	5.3	503.0	24.0	469.8	5.3	1.2
MK03DZ_90	136.60	0.51	0.59350	0.00850	0.07654	0.00084	0.38194	472.8	5.4	475.4	5.0	477.0	18.0	475.4	5.0	−0.5
MK03DZ_105	337.60	7.20	0.60690	0.00710	0.07658	0.00070	0.53404	481.5	4.5	475.7	4.2	495.0	13.0	475.7	4.2	1.2
MK03DZ_32	351.00	1.77	0.78100	0.02600	0.07710	0.00320	0.90739	585.0	15.0	479.0	19.0	1033.0	29.0	479.0	19.0	18.1
MK03DZ_81	207.00	1.52	0.61000	0.00680	0.07772	0.00081	0.20377	483.4	4.3	482.5	4.8	496.0	16.0	482.5	4.8	0.2
MK03DZ_9	85.90	1.69	0.62600	0.01000	0.07786	0.00081	0.21547	493.3	6.5	483.3	4.8	537.0	24.0	483.3	4.8	2.0
MK03DZ_25	195.00	2.86	0.64490	0.00840	0.07836	0.00089	0.01793	505.2	5.2	486.3	5.3	618.0	27.0	486.3	5.3	3.7
MK03DZ_49	84.70	0.76	0.64900	0.01300	0.07934	0.00093	0.24810	507.3	8.1	492.1	5.5	571.0	21.0	492.1	5.5	3.0
MK03DZ_98	187.00	0.73	0.64420	0.00950	0.07966	0.00098	0.68871	505.4	6.0	494.0	5.8	535.0	12.0	494.0	5.8	2.3
MK03DZ_56	45.40	1.17	0.64600	0.01300	0.08180	0.00100	0.27249	505.8	7.9	507.0	6.2	522.0	34.0	507.0	6.2	−0.2
MK03DZ_12	90.70	2.31	0.65590	0.00900	0.08217	0.00097	0.07023	511.9	5.5	509.0	5.8	527.0	25.0	509.0	5.8	0.6
MK03DZ_101	271.00	0.80	0.67770	0.00920	0.08403	0.00073	0.34591	526.0	5.4	520.1	4.3	551.0	14.0	520.1	4.3	1.1
MK03DZ_19	300.00	4.97	0.69080	0.00820	0.08626	0.00071	0.57442	533.1	4.9	533.3	4.2	553.0	13.0	533.3	4.2	0.0
MK03DZ_47	193.00	1.54	0.72270	0.00980	0.08630	0.00110	0.43428	552.0	5.7	533.7	6.5	641.0	22.0	533.7	6.5	3.3
MK03DZ_33	113.90	0.39	0.72600	0.01200	0.08723	0.00087	0.41770	553.8	7.0	539.1	5.2	611.0	18.0	539.1	5.2	2.7

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK03DZ_30	90.70	1.06	0.71100	0.01200	0.08738	0.00080	0.18950	547.0	6.9	540.0	4.7	569.0	19.0	540.0	4.7	1.3
MK03DZ_34	285.20	1.71	0.84800	0.01300	0.08890	0.00190	0.19934	623.3	7.2	549.0	11.0	924.0	62.0	549.0	11.0	11.9
MK03DZ_3	456.00	2.46	0.74140	0.00710	0.08945	0.00065	0.35650	563.7	4.2	552.3	3.8	612.0	15.0	552.3	3.8	2.0
MK03DZ_75	21.28	0.90	0.78100	0.03000	0.08950	0.00230	0.06710	589.0	18.0	553.0	14.0	801.0	54.0	553.0	14.0	6.1
MK03DZ_43	559.00	1.42	0.78300	0.01500	0.09000	0.00160	0.87585	586.7	8.7	557.0	9.1	684.0	13.0	557.0	9.1	5.1
MK03DZ_60	154.00	0.53	0.74320	0.00790	0.09070	0.00081	0.32063	564.7	4.5	559.6	4.8	595.0	15.0	559.6	4.8	0.9
MK03DZ_61	507.00	1.89	0.75510	0.00640	0.09086	0.00064	0.41640	571.1	3.7	560.6	3.8	620.0	12.0	560.6	3.8	1.8
MK03DZ_112	138.00	0.64	0.83800	0.01500	0.09170	0.00120	0.32766	617.1	8.4	566.7	7.2	815.0	31.0	566.7	7.2	8.2
MK03DZ_119	209.00	0.80	0.74910	0.00960	0.09227	0.00086	0.37030	567.5	5.6	568.9	5.1	556.0	17.0	568.9	5.1	−0.2
MK03DZ_118	333.00	5.52	0.75430	0.00530	0.09241	0.00063	0.27939	570.6	3.1	569.7	3.7	568.0	10.0	569.7	3.7	0.2
MK03DZ_15	692.00	0.57	0.80500	0.02100	0.09300	0.00200	0.87976	599.0	12.0	573.0	12.0	704.0	18.0	573.0	12.0	4.3
MK03DZ_67	75.70	0.65	0.86700	0.03000	0.09460	0.00270	0.02787	633.0	16.0	582.0	16.0	838.0	60.0	582.0	16.0	8.1
MK03DZ_21	333.00	7.07	0.81990	0.00680	0.09542	0.00093	0.46917	607.9	3.8	587.5	5.5	665.0	14.0	587.5	5.5	3.4
MK03DZ_11	87.10	0.76	0.82800	0.01800	0.09560	0.00220	0.69302	612.2	9.9	588.0	13.0	705.0	24.0	588.0	13.0	4.0
MK03DZ_91	361.00	2.29	0.80200	0.01400	0.09780	0.00150	0.52938	597.7	7.9	602.9	9.0	584.0	22.0	602.9	9.0	−0.9
MK03DZ_85	75.30	2.06	0.83400	0.01400	0.09880	0.00120	0.31175	615.2	7.8	607.4	7.2	632.0	19.0	607.4	7.2	1.3
MK03DZ_13	38.86	0.97	0.83500	0.01800	0.09970	0.00140	0.10864	617.0	10.0	612.7	8.2	632.0	30.0	612.7	8.2	0.7
MK03DZ_99	467.00	8.10	0.83670	0.00680	0.10034	0.00080	0.38021	617.2	3.8	616.4	4.7	623.0	11.0	616.4	4.7	0.1
MK03DZ_36	75.40	0.43	0.83800	0.01900	0.10090	0.00120	0.23643	618.0	11.0	619.6	7.1	594.0	32.0	619.6	7.1	−0.3
MK03DZ_35	220.00	2.12	0.85910	0.00740	0.10167	0.00091	0.43023	629.5	4.1	624.2	5.3	639.3	9.9	624.2	5.3	0.8
MK03DZ_94	427.00	0.93	0.89430	0.00910	0.10193	0.00090	0.62099	648.5	4.9	625.7	5.3	712.0	11.0	625.7	5.3	3.5
MK03DZ_76	61.00	1.63	0.85000	0.01300	0.10240	0.00140	0.15110	624.4	7.3	628.3	8.2	619.0	18.0	628.3	8.2	−0.6
MK03DZ_41	99.40	2.05	0.85400	0.01100	0.10259	0.00079	0.04963	627.2	5.9	629.5	4.6	618.0	18.0	629.5	4.6	−0.4
MK03DZ_8	56.10	1.66	0.89400	0.01600	0.10280	0.00110	0.36749	648.1	8.4	631.0	6.6	725.0	20.0	631.0	6.6	2.6
MK03DZ_16	156.00	0.81	0.89100	0.01500	0.10401	0.00091	0.43856	646.5	8.2	637.8	5.3	688.0	19.0	637.8	5.3	1.3
MK03DZ_24	196.40	1.78	0.88610	0.00820	0.10520	0.00100	0.56868	644.8	4.5	644.7	6.1	645.0	12.0	644.7	6.1	0.0
MK03DZ_110	10.39	0.37	1.03300	0.03800	0.10620	0.00270	0.09438	721.0	18.0	650.0	16.0	949.0	59.0	650.0	16.0	9.8
MK03DZ_73	224.00	0.80	1.06000	0.01300	0.10910	0.00140	0.45673	733.8	6.4	667.5	8.4	917.0	27.0	667.5	8.4	9.0
MK03DZ_20	7.15	−210.00	1.17500	0.07500	0.11250	0.00320	0.12601	783.0	35.0	687.0	19.0	1130.0	120.0	687.0	19.0	12.3
MK03DZ_108	107.30	1.74	1.04500	0.01500	0.11540	0.00120	0.25174	725.7	7.5	704.2	6.9	794.0	22.0	704.2	6.9	3.0
MK03DZ_120	24.07	2.17	1.81000	0.11000	0.12130	0.00250	0.07847	1048.0	38.0	738.0	14.0	1770.0	120.0	738.0	14.0	29.6
MK03DZ_71	213.00	1.66	1.32600	0.02700	0.12190	0.00310	0.64076	859.0	11.0	741.0	18.0	1181.0	22.0	741.0	18.0	13.7
MK03DZ_55	36.60	34.70	1.27900	0.03000	0.12530	0.00270	0.23374	836.0	14.0	761.0	16.0	1024.0	38.0	761.0	16.0	9.0
MK03DZ_89	248.00	2.36	1.15660	0.00960	0.12885	0.00085	0.34007	780.2	4.5	781.3	4.9	781.9	9.5	781.3	4.9	−0.1
MK03DZ_18	183.60	3.55	1.57900	0.04000	0.15520	0.00340	0.87763	960.0	16.0	929.0	19.0	1037.0	16.0	929.0	19.0	3.2
MK03DZ_91	145.70	2.45	1.63500	0.05100	0.16320	0.00370	0.89867	982.0	19.0	978.0	21.0	967.0	20.0	967.0	20.0	−1.1
MK03DZ_39	180.00	4.68	1.58300	0.01400	0.16020	0.00110	0.41524	963.5	5.5	958.0	6.2	976.0	13.0	976.0	13.0	1.8
MK03DZ_106	41.24	1.03	1.72200	0.02700	0.17340	0.00310	0.23671	1016.0	10.0	1030.0	17.0	1006.0	23.0	1006.0	23.0	−2.4
MK03DZ_40	83.00	0.65	1.82200	0.02100	0.17910	0.00160	0.32474	1053.8	7.3	1061.9	8.8	1040.0	14.0	1040.0	14.0	−2.1
MK03DZ_58	123.50	1.48	1.91800	0.01600	0.18330	0.00160	0.24843	1088.0	5.3	1084.9	8.5	1086.0	13.0	1086.0	13.0	0.1
MK03DZ_22	120.40	2.71	1.88300	0.02500	0.17880	0.00160	0.56763	1074.4	8.9	1060.2	9.0	1110.0	15.0	1110.0	15.0	4.5
MK03DZ_78	82.30	1.26	1.75600	0.02000	0.16620	0.00190	0.22842	1029.2	7.5	991.0	11.0	1111.0	22.0	1111.0	22.0	10.8
MK03DZ_64	38.20	2.60	2.21600	0.03300	0.20180	0.00270	0.48804	1186.0	10.0	1185.0	15.0	1182.0	22.0	1182.0	22.0	−0.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
MK03DZ_96	246.00	1.62	2.10900	0.04100	0.19050	0.00290	0.30293	1151.0	13.0	1124.0	16.0	1189.0	26.0	1189.0	26.0	5.5
MK03DZ_107	119.30	3.90	2.13100	0.01900	0.19300	0.00160	0.58067	1158.6	6.1	1137.7	8.5	1194.5	9.4	1194.5	9.4	4.8
MK03DZ_72	83.10	1.27	2.24900	0.02500	0.20300	0.00170	0.43095	1196.0	7.9	1191.2	9.1	1206.0	14.0	1206.0	14.0	1.2
MK03DZ_93	68.40	0.97	2.17900	0.04800	0.19610	0.00220	0.49633	1173.0	15.0	1154.0	12.0	1213.0	29.0	1213.0	29.0	4.9
MK03DZ_1	207.00	1.26	2.25400	0.01700	0.20290	0.00170	0.55607	1198.4	5.2	1190.7	9.3	1213.4	7.6	1213.4	7.6	1.9
MK03DZ_45	97.50	2.20	1.95800	0.05900	0.17640	0.00350	0.60311	1099.0	20.0	1047.0	19.0	1226.0	40.0	1226.0	40.0	14.6
MK03DZ_27	127.40	0.99	2.36200	0.01600	0.21060	0.00140	0.28081	1230.9	4.8	1231.9	7.4	1232.3	8.7	1232.3	8.7	0.0
MK03DZ_82	179.00	0.62	2.19600	0.02800	0.19360	0.00260	0.14250	1180.4	8.7	1140.0	14.0	1239.0	12.0	1239.0	12.0	8.0
MK03DZ_87	706.00	1.19	2.02000	0.12000	0.17400	0.01000	0.98289	1115.0	41.0	1030.0	55.0	1286.0	13.0	1286.0	13.0	19.9
MK03DZ_95	30.40	1.10	2.30400	0.08100	0.19790	0.00520	0.51413	1211.0	25.0	1163.0	28.0	1333.0	43.0	1333.0	43.0	12.8
MK03DZ_97	228.20	1.70	2.78400	0.02900	0.23380	0.00290	0.71108	1351.0	7.8	1354.0	15.0	1356.4	8.0	1356.4	8.0	0.2
MK03DZ_80	134.00	2.20	2.86700	0.02900	0.23610	0.00220	0.57332	1372.7	7.6	1366.0	12.0	1382.3	8.5	1382.3	8.5	1.2
MK03DZ_4	72.00	2.12	2.87800	0.03000	0.23790	0.00190	0.44157	1377.7	7.8	1376.0	10.0	1390.0	11.0	1390.0	11.0	1.0
MK03DZ_42	446.00	1.22	2.83100	0.01600	0.23330	0.00150	0.59961	1364.2	4.2	1351.7	7.8	1391.4	5.7	1391.4	5.7	2.9
MK03DZ_46	50.30	0.38	2.57000	0.04800	0.21010	0.00260	0.17711	1292.0	13.0	1229.0	14.0	1399.0	27.0	1399.0	27.0	12.2
MK03DZ_38	60.70	2.00	3.30700	0.03700	0.25610	0.00220	0.42279	1483.0	8.9	1470.0	11.0	1499.0	11.0	1499.0	11.0	1.9
MK03DZ_74	98.40	1.30	3.40500	0.03000	0.26280	0.00250	0.54039	1506.3	7.2	1504.0	13.0	1511.0	11.0	1511.0	11.0	0.5
MK03DZ_77	164.60	2.14	3.66200	0.02500	0.27320	0.00200	0.49576	1563.7	5.2	1557.0	10.0	1563.2	7.5	1563.2	7.5	0.4
MK03DZ_44	156.20	1.43	3.59400	0.02300	0.26870	0.00210	0.46806	1548.0	5.2	1534.0	11.0	1569.9	7.4	1569.9	7.4	2.3
MK03DZ_48	46.20	0.51	3.92700	0.07400	0.28300	0.00400	0.66966	1620.0	15.0	1606.0	20.0	1648.0	19.0	1648.0	19.0	2.5
MK03DZ_14	66.10	0.52	4.19000	0.13000	0.28710	0.00900	0.90639	1669.0	26.0	1625.0	45.0	1734.0	11.0	1734.0	11.0	6.3
MK03DZ_117	356.00	3.84	3.81000	0.13000	0.26010	0.00870	0.98282	1588.0	28.0	1488.0	45.0	1734.0	6.4	1734.0	6.4	14.2
MK03DZ_79	112.40	0.73	4.56700	0.03700	0.30700	0.00260	0.68847	1742.9	6.7	1725.0	13.0	1761.1	6.7	1761.1	6.7	2.0
MK03DZ_52	57.48	1.03	4.38800	0.06300	0.29650	0.00350	0.41449	1709.0	12.0	1674.0	17.0	1766.0	16.0	1766.0	16.0	5.2
MK03DZ_23	484.00	0.64	3.32000	0.20000	0.22300	0.01400	0.99069	1476.0	48.0	1295.0	72.0	1769.8	8.6	1769.8	8.6	26.8
MK03DZ_66	196.50	2.77	4.22000	0.09000	0.28340	0.00430	0.82883	1676.0	18.0	1608.0	22.0	1771.0	15.0	1771.0	15.0	9.2
MK03DZ_26	66.00	0.83	4.72400	0.04200	0.31340	0.00240	0.50889	1772.0	7.6	1757.0	12.0	1792.7	9.1	1792.7	9.1	2.0
MK03DZ_57	119.00	2.32	5.32700	0.05500	0.33130	0.00320	0.63871	1873.7	8.9	1844.0	16.0	1903.0	10.0	1903.0	10.0	3.1
MK03DZ_92	255.60	2.11	6.16300	0.03600	0.36810	0.00250	0.55527	1999.1	5.1	2021.0	12.0	1979.9	6.2	1979.9	6.2	−2.1
MK03DZ_70	144.90	1.61	6.12000	0.13000	0.34700	0.00850	0.92764	1991.0	20.0	1919.0	41.0	2056.0	10.0	2056.0	10.0	6.7
MK03DZ_28	148.40	1.32	6.49200	0.04200	0.36430	0.00250	0.62618	2044.5	5.6	2002.0	12.0	2086.9	6.7	2086.9	6.7	4.1
MK03DZ_10	67.30	0.82	6.57500	0.05900	0.36670	0.00340	0.50536	2056.6	7.8	2014.0	16.0	2095.0	10.0	2095.0	10.0	3.9
MK03DZ_104	74.50	0.99	6.93100	0.05800	0.38110	0.00290	0.49721	2102.1	7.4	2081.0	14.0	2128.2	7.8	2128.2	7.8	2.2
MK03DZ_65	87.30	1.28	7.08400	0.06000	0.37770	0.00330	0.59440	2121.5	7.6	2067.0	16.0	2172.7	6.7	2172.7	6.7	4.9
MK03DZ_62	144.90	0.83	5.64000	0.16000	0.30090	0.00960	0.96060	1920.0	25.0	1695.0	48.0	2179.0	16.0	2179.0	16.0	22.2
MK03DZ_113	107.60	1.25	9.33000	0.24000	0.37460	0.00820	0.96990	2366.0	23.0	2049.0	38.0	2647.6	7.5	2647.6	7.5	22.6
MK03DZ_102	231.50	1.89	8.46000	0.34000	0.33700	0.01200	0.97531	2274.0	37.0	1868.0	57.0	2668.0	11.0	2668.0	11.0	30.0
RA03DZ: Guandacay Fm., Miocene (n=113), (19.81°S, 64.21°W)																
RA03DZ_68	210.10	1.44	0.26020	0.00430	0.03678	0.00039	0.22823	235.3	3.6	232.9	2.4	271.0	21.0	232.9	2.4	1.0
RA03DZ_101	338.00	1.51	0.27330	0.00380	0.03879	0.00034	0.21767	245.7	3.1	245.3	2.1	256.0	19.0	245.3	2.1	0.2
RA03DZ_12	811.70	1.16	0.29740	0.00450	0.04088	0.00054	0.82656	264.3	3.5	258.3	3.3	334.0	15.0	258.3	3.3	2.3
RA03DZ_48	188.60	0.97	0.39470	0.00630	0.05334	0.00046	0.05726	338.2	4.5	335.0	2.8	344.0	24.0	335.0	2.8	0.9

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RA03DZ_69	194.00	0.72	0.39920	0.00620	0.05394	0.00062	0.37037	340.8	4.5	338.7	3.8	376.0	21.0	338.7	3.8	0.6
RA03DZ_62	134.70	1.89	0.49050	0.00830	0.06242	0.00077	0.27167	406.0	5.8	390.3	4.7	505.0	25.0	390.3	4.7	3.9
RA03DZ_11	308.40	1.16	0.68940	0.00880	0.06330	0.00110	0.22429	532.2	5.3	395.7	6.5	1175.0	22.0	395.7	6.5	25.6
RA03DZ_10	824.00	2.00	0.89700	0.03100	0.07100	0.00180	0.79276	648.0	16.0	442.0	11.0	1430.0	110.0	442.0	11.0	31.8
RA03DZ_59	113.70	0.95	0.65600	0.02200	0.07400	0.00160	0.04172	512.0	13.0	460.1	9.5	748.0	44.0	460.1	9.5	10.1
RA03DZ_114	232.00	3.47	0.64600	0.01300	0.07583	0.00064	0.33647	506.4	7.7	471.1	3.8	656.0	27.0	471.1	3.8	7.0
RA03DZ_78	204.20	1.36	0.62700	0.00830	0.07646	0.00060	0.10951	494.8	5.0	474.9	3.6	595.0	23.0	474.9	3.6	4.0
RA03DZ_104	83.50	0.64	0.66190	0.00950	0.08024	0.00093	0.23522	515.5	5.8	497.5	5.6	594.0	20.0	497.5	5.6	3.5
RA03DZ_80	198.30	2.31	0.66770	0.00960	0.08210	0.00100	0.50214	519.0	5.8	508.5	6.0	589.0	13.0	508.5	6.0	2.0
RA03DZ_25	25.54	0.59	1.17800	0.05100	0.08210	0.00170	0.25839	788.0	23.0	508.6	9.9	1719.0	73.0	508.6	9.9	35.5
RA03DZ_74	225.90	1.53	0.67010	0.00920	0.08230	0.00080	0.31270	520.5	5.6	509.8	4.8	574.0	20.0	509.8	4.8	2.1
RA03DZ_103	209.00	2.37	0.66860	0.00970	0.08300	0.00100	0.34429	519.6	5.9	514.0	5.9	526.0	21.0	514.0	5.9	1.1
RA03DZ_71	43.70	1.06	0.67100	0.01600	0.08340	0.00120	0.02627	520.7	9.9	516.4	7.1	549.0	35.0	516.4	7.1	0.8
RA03DZ_4	107.80	1.48	0.67290	0.00820	0.08346	0.00078	0.07027	522.3	5.0	516.7	4.6	554.0	20.0	516.7	4.6	1.1
RA03DZ_89	50.30	1.14	0.67600	0.01900	0.08390	0.00110	0.23307	523.0	12.0	519.2	6.5	557.0	44.0	519.2	6.5	0.7
RA03DZ_58	138.50	1.45	0.69130	0.00850	0.08397	0.00087	0.28333	533.4	5.1	519.7	5.2	603.0	19.0	519.7	5.2	2.6
RA03DZ_38	75.70	0.73	0.73400	0.01800	0.08430	0.00220	0.43526	558.0	10.0	522.0	13.0	697.0	31.0	522.0	13.0	6.5
RA03DZ_34	462.00	9.62	0.67670	0.00530	0.08468	0.00052	0.34527	524.7	3.2	524.0	3.1	540.0	11.0	524.0	3.1	0.1
RA03DZ_79	156.30	0.25	0.68700	0.01100	0.08468	0.00081	0.28395	530.5	6.7	524.0	4.8	557.0	22.0	524.0	4.8	1.2
RA03DZ_40	151.60	1.36	0.68870	0.00890	0.08580	0.00100	0.25484	531.7	5.4	530.5	5.9	563.0	19.0	530.5	5.9	0.2
RA03DZ_51	45.30	1.06	0.69900	0.01800	0.08610	0.00130	0.20330	537.0	11.0	532.6	7.9	549.0	40.0	532.6	7.9	0.8
RA03DZ_100	48.09	0.84	0.68600	0.01300	0.08640	0.00120	0.13838	530.1	7.7	533.9	7.2	534.0	33.0	533.9	7.2	−0.7
RA03DZ_20	39.20	0.87	0.69000	0.01500	0.08660	0.00150	0.05052	532.3	9.3	535.5	8.6	538.0	33.0	535.5	8.6	−0.6
RA03DZ_113	32.50	1.09	0.73200	0.01700	0.08710	0.00150	0.05359	557.0	9.8	538.2	9.2	674.0	40.0	538.2	9.2	3.4
RA03DZ_46	198.10	1.61	0.70820	0.00790	0.08711	0.00082	0.33419	543.5	4.7	538.4	4.9	572.0	16.0	538.4	4.9	0.9
RA03DZ_111	378.00	16.50	0.73200	0.02900	0.08850	0.00240	0.98554	557.0	16.0	547.0	14.0	601.0	32.0	547.0	14.0	1.8
RA03DZ_105	247.00	1.50	0.71200	0.00720	0.08861	0.00080	0.22738	545.8	4.3	547.3	4.7	546.0	16.0	547.3	4.7	−0.3
RA03DZ_9	77.80	1.16	0.73300	0.01300	0.08890	0.00100	0.19854	557.7	7.8	549.0	6.1	591.0	28.0	549.0	6.1	1.6
RA03DZ_98	37.20	1.01	0.74300	0.02000	0.08910	0.00180	0.24501	563.0	12.0	551.0	11.0	598.0	38.0	551.0	11.0	2.1
RA03DZ_66	147.00	1.00	0.71470	0.00850	0.08935	0.00088	0.33663	547.4	5.0	551.6	5.2	539.0	19.0	551.6	5.2	−0.8
RA03DZ_31	552.00	3.88	0.73270	0.00530	0.08938	0.00044	0.12577	558.1	3.1	551.8	2.6	582.1	9.6	551.8	2.6	1.1
RA03DZ_119	46.70	0.70	0.73800	0.01900	0.08990	0.00150	0.10907	561.0	11.0	554.7	8.9	629.0	31.0	554.7	8.9	1.1
RA03DZ_86	202.00	2.32	0.74630	0.00920	0.09000	0.00100	0.35832	566.6	5.2	555.5	6.0	609.0	19.0	555.5	6.0	2.0
RA03DZ_26	164.10	0.73	0.77290	0.00900	0.09032	0.00087	0.52876	581.2	5.1	557.4	5.1	669.0	13.0	557.4	5.1	4.1
RA03DZ_88	73.00	1.88	0.74400	0.01700	0.09030	0.00130	0.19365	564.0	10.0	557.4	7.9	593.0	28.0	557.4	7.9	1.2
RA03DZ_118	107.70	1.55	0.73220	0.00960	0.09054	0.00083	0.12596	557.5	5.6	558.7	4.9	555.0	17.0	558.7	4.9	−0.2
RA03DZ_60	178.20	0.76	0.74540	0.00900	0.09062	0.00091	0.51282	565.3	5.2	559.2	5.4	594.0	20.0	559.2	5.4	1.1
RA03DZ_28	310.00	3.39	0.73280	0.00800	0.09072	0.00088	0.25068	558.1	4.7	559.8	5.2	571.0	18.0	559.8	5.2	−0.3
RA03DZ_67	153.20	0.65	0.74230	0.00870	0.09116	0.00080	0.25876	563.5	5.0	562.3	4.7	589.0	14.0	562.3	4.7	0.2
RA03DZ_95	269.00	4.66	0.75400	0.00900	0.09280	0.00059	0.29011	570.9	5.1	572.0	3.5	573.0	14.0	572.0	3.5	−0.2
RA03DZ_5	140.90	1.21	0.76900	0.01100	0.09285	0.00093	0.49020	578.9	6.1	572.3	5.5	616.0	15.0	572.3	5.5	1.1
RA03DZ_18	80.20	1.64	0.76800	0.01100	0.09370	0.00120	0.15439	580.2	6.3	577.3	7.0	588.0	22.0	577.3	7.0	0.5
RA03DZ_107	241.00	1.75	0.79100	0.01100	0.09396	0.00093	0.60699	591.6	6.0	578.9	5.5	657.0	16.0	578.9	5.5	2.1

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RA03DZ_81	80.70	0.88	1.81800	0.03600	0.09530	0.00120	0.18678	1051.0	13.0	586.9	6.8	2202.0	26.0	586.9	6.8	44.2
RA03DZ_72	305.00	1.26	0.79370	0.00830	0.09600	0.00064	0.36043	593.1	4.7	590.9	3.8	604.0	15.0	590.9	3.8	0.4
RA03DZ_23	372.80	10.88	0.80300	0.00680	0.09615	0.00069	0.34430	598.4	3.8	591.8	4.0	626.0	10.0	591.8	4.0	1.1
RA03DZ_44	124.50	0.78	0.82800	0.01100	0.09620	0.00110	0.12236	612.1	6.3	591.9	6.3	673.0	20.0	591.9	6.3	3.3
RA03DZ_96	342.40	2.33	0.84350	0.00700	0.09933	0.00070	0.11976	621.0	3.8	610.5	4.1	660.0	16.0	610.5	4.1	1.7
RA03DZ_57	285.00	0.67	0.83790	0.00770	0.09964	0.00071	0.27322	617.8	4.2	612.3	4.2	642.0	13.0	612.3	4.2	0.9
RA03DZ_87	370.60	0.82	0.85280	0.00690	0.09974	0.00059	0.35161	626.0	3.8	612.8	3.4	667.0	11.0	612.8	3.4	2.1
RA03DZ_8	193.30	1.68	0.82510	0.00820	0.10001	0.00083	0.21741	610.7	4.6	614.4	4.8	611.0	12.0	614.4	4.8	−0.6
RA03DZ_115	126.30	0.38	1.12300	0.01600	0.10000	0.00130	0.15678	764.3	7.9	614.5	7.5	1237.0	23.0	614.5	7.5	19.6
RA03DZ_33	503.00	7.40	0.86950	0.00870	0.10166	0.00075	0.50054	635.9	4.6	624.9	4.2	676.0	12.0	624.9	4.2	1.7
RA03DZ_39	202.00	1.77	0.86620	0.00780	0.10203	0.00072	0.38682	633.4	4.2	626.3	4.2	662.0	11.0	626.3	4.2	1.1
RA03DZ_92	8.62	−40.00	1.02200	0.07300	0.10260	0.00330	0.24399	705.0	37.0	629.0	19.0	973.0	74.0	629.0	19.0	10.8
RA03DZ_56	98.90	1.71	0.85600	0.01200	0.10270	0.00110	0.37114	627.8	6.5	629.9	6.4	630.0	16.0	629.9	6.4	−0.3
RA03DZ_21	168.90	2.23	0.87500	0.01300	0.10420	0.00190	0.17652	637.8	7.0	639.0	11.0	641.0	16.0	639.0	11.0	−0.2
RA03DZ_42	269.00	2.59	0.92500	0.01500	0.10480	0.00130	0.63750	664.5	7.9	642.2	7.4	745.0	19.0	642.2	7.4	3.4
RA03DZ_120	210.00	2.18	0.90280	0.00810	0.10713	0.00096	0.47045	653.0	4.3	656.0	5.6	652.0	11.0	656.0	5.6	−0.5
RA03DZ_3	300.00	0.81	0.94200	0.01300	0.10730	0.00110	0.04382	673.5	6.6	657.0	6.3	737.0	23.0	657.0	6.3	2.4
RA03DZ_32	228.50	4.07	1.06600	0.02300	0.11050	0.00150	0.56862	736.0	11.0	675.5	8.7	954.0	26.0	675.5	8.7	8.2
RA03DZ_24	136.40	2.01	0.97200	0.01800	0.11110	0.00170	0.64131	689.0	9.1	679.0	9.8	735.0	13.0	679.0	9.8	1.5
RA03DZ_19	177.80	2.06	1.04100	0.01100	0.11520	0.00120	0.17517	724.0	5.6	703.6	7.0	792.0	15.0	703.6	7.0	2.8
RA03DZ_61	26.80	0.92	1.14000	0.02200	0.12150	0.00180	0.20217	771.0	10.0	741.0	10.0	860.0	31.0	741.0	10.0	3.9
RA03DZ_37	43.30	1.32	1.14400	0.03600	0.12200	0.00240	0.68810	772.0	17.0	742.0	14.0	871.0	28.0	742.0	14.0	3.9
RA03DZ_13	119.30	0.84	1.15900	0.01400	0.12790	0.00120	0.41861	781.0	6.5	775.9	6.8	797.0	18.0	775.9	6.8	0.7
RA03DZ_50	55.93	1.12	1.16800	0.01900	0.12970	0.00180	0.25682	785.9	9.2	786.0	10.0	786.0	16.0	786.0	10.0	0.0
RA03DZ_64	137.50	1.93	1.21400	0.01500	0.13360	0.00130	0.25600	806.4	6.7	808.4	7.6	806.0	18.0	808.4	7.6	−0.2
RA03DZ_7	35.50	0.92	1.67300	0.03700	0.14980	0.00240	0.51740	997.0	14.0	900.0	13.0	1204.0	24.0	900.0	13.0	9.7
RA03DZ_47	105.80	1.40	1.48300	0.01700	0.15090	0.00150	0.58639	923.0	7.2	906.0	8.2	958.0	13.0	906.0	8.2	1.8
RA03DZ_106	42.88	1.38	1.51000	0.02200	0.15390	0.00190	0.23339	936.0	8.8	922.0	10.0	984.0	22.0	922.0	10.0	1.5
RA03DZ_55	137.20	2.73	1.53400	0.01800	0.15690	0.00140	0.30796	943.8	7.1	939.6	7.9	965.0	15.0	939.6	7.9	0.4
RA03DZ_35	320.00	3.13	1.61900	0.02400	0.15750	0.00190	0.67025	976.9	9.4	943.0	11.0	1042.0	15.0	943.0	11.0	3.5
RA03DZ_116	70.80	1.17	1.60600	0.02200	0.15780	0.00150	0.41683	972.1	8.5	944.7	8.6	1040.0	12.0	944.7	8.6	2.8
RA03DZ_109	60.60	1.04	1.65600	0.02000	0.16630	0.00170	0.21293	991.2	7.6	991.4	9.5	1003.0	20.0	1003.0	20.0	1.2
RA03DZ_112	227.00	4.81	1.67200	0.02600	0.16570	0.00200	0.79989	997.3	9.8	988.0	11.0	1023.0	14.0	1023.0	14.0	3.4
RA03DZ_30	276.00	0.92	1.67700	0.01900	0.16450	0.00220	0.77603	999.5	7.2	981.0	12.0	1045.0	12.0	1045.0	12.0	6.1
RA03DZ_73	390.00	2.55	1.75600	00.01600	0.17110	0.00160	0.90046	1029.0	5.8	1017.9	9.0	1050.5	7.3	1050.5	7.3	3.1
RA03DZ_36	53.21	1.78	1.78600	0.02500	0.17570	0.00250	0.19801	1044.4	8.7	1043.0	14.0	1051.0	21.0	1051.0	21.0	0.8
RA03DZ_17	144.60	1.50	1.77600	0.01600	0.17270	0.00140	0.38708	1036.2	5.9	1027.0	7.7	1055.0	11.0	1055.0	11.0	2.7
RA03DZ_49	153.60	1.33	1.63300	0.04000	0.15880	0.00210	0.48399	982.0	15.0	950.0	11.0	1058.0	23.0	1058.0	23.0	10.2
RA03DZ_102	228.00	1.82	1.76800	0.01300	0.17050	0.00110	0.38210	1033.7	4.9	1014.9	5.9	1078.7	9.3	1078.7	9.3	5.9
RA03DZ_90	78.20	0.97	1.69600	0.02500	0.16380	0.00150	0.33316	1006.5	9.4	977.9	8.4	1079.0	15.0	1079.0	15.0	9.4
RA03DZ_53	170.00	0.71	1.86200	0.01200	0.17790	0.00110	0.30430	1067.4	4.4	1055.6	6.2	1090.3	8.6	1090.3	8.6	3.2
RA03DZ_108	45.40	0.97	1.88000	0.03000	0.17790	0.00220	0.38734	1073.0	11.0	1055.0	12.0	1101.0	14.0	1101.0	14.0	4.2
RA03DZ_22	61.00	1.19	1.99000	0.02900	0.18820	0.00200	0.43739	1111.1	9.7	1113.0	11.0	1110.0	14.0	1110.0	14.0	−0.3

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RA03DZ_43	79.10	0.91	1.93800	0.02800	0.17930	0.00260	0.67700	1093.5	9.9	1065.0	14.0	1155.0	10.0	1155.0	10.0	7.8
RA03DZ_94	112.40	1.26	2.12700	0.01900	0.19560	0.00180	0.43647	1158.3	5.9	1151.7	9.5	1175.0	12.0	1175.0	12.0	2.0
RA03DZ_65	287.00	1.31	2.18100	0.02200	0.19740	0.00200	0.71543	1174.7	7.1	1161.0	11.0	1204.0	10.0	1204.0	10.0	3.6
RA03DZ_6	348.00	2.76	1.81200	0.03600	0.16130	0.00140	0.16044	1051.0	13.0	963.7	7.5	1220.0	32.0	1220.0	32.0	21.0
RA03DZ_99	59.00	1.31	2.29500	0.03000	0.20120	0.00200	0.35287	1211.6	8.8	1182.0	11.0	1256.0	19.0	1256.0	19.0	5.9
RA03DZ_54	49.31	2.45	2.23300	0.05100	0.19750	0.00260	0.51421	1191.0	16.0	1162.0	14.0	1271.0	31.0	1271.0	31.0	8.6
RA03DZ_45	83.90	1.05	2.92000	0.02500	0.23990	0.00220	0.38889	1387.9	6.7	1386.0	12.0	1387.7	9.3	1387.7	9.3	0.1
RA03DZ_83	85.70	0.51	2.32900	0.03500	0.19200	0.00270	0.58235	1221.0	11.0	1132.0	15.0	1397.0	14.0	1397.0	14.0	19.0
RA03DZ_1	22.75	0.42	3.14600	0.07500	0.24660	0.00470	0.26290	1446.0	17.0	1421.0	24.0	1473.0	27.0	1473.0	27.0	3.5
RA03DZ_111	14.67	0.74	4.04200	0.08900	0.29610	0.00480	0.27538	1644.0	18.0	1672.0	24.0	1616.0	27.0	1616.0	27.0	−3.5
RA03DZ_85	200.80	1.33	3.22000	0.06500	0.21800	0.00450	0.86155	1464.0	16.0	1271.0	24.0	1749.0	16.0	1749.0	16.0	27.3
RA03DZ_2	47.10	0.93	4.59500	0.05400	0.30650	0.00390	0.59223	1749.0	10.0	1723.0	19.0	1767.0	13.0	1767.0	13.0	2.5
RA03DZ_91	58.00	0.56	5.27100	0.05500	0.32770	0.00260	0.31200	1864.7	9.0	1827.0	13.0	1897.0	10.0	1897.0	10.0	3.7
RA03DZ_93	68.20	0.98	5.60900	0.07700	0.33320	0.00500	0.87152	1917.0	12.0	1853.0	24.0	2001.0	13.0	2001.0	13.0	7.4
RA03DZ_63	125.50	0.50	6.70600	0.04500	0.35810	0.00210	0.49592	2073.0	6.0	1973.0	9.8	2183.7	7.4	2183.7	7.4	9.6
RA03DZ_97	35.30	1.20	7.79100	0.07400	0.41210	0.00440	0.33681	2206.5	8.5	2224.0	20.0	2198.4	9.9	2198.4	9.9	−1.2
RA03DZ_15	105.50	2.87	6.58700	0.04800	0.33860	0.00230	0.49871	2057.2	6.4	1880.0	11.0	2241.0	9.4	2241.0	9.4	16.1
RA03DZ_76	158.00	0.99	7.94700	0.05800	0.39860	0.00400	0.76583	2224.7	6.6	2162.0	18.0	2274.6	7.7	2274.6	7.7	5.0
RA03DZ_77	282.00	3.06	10.03200	0.05700	0.44960	0.00290	0.61302	2438.2	5.2	2393.0	13.0	2474.9	6.0	2474.9	6.0	3.3
RA03DZ_110	203.00	1.60	9.49700	0.09700	0.42370	0.00380	0.81431	2386.5	9.3	2277.0	17.0	2485.7	5.4	2485.7	5.4	8.4
RA03DZ_52	15.84	0.87	10.82000	0.28000	0.44300	0.01000	0.77462	2507.0	23.0	2368.0	46.0	2610.0	18.0	2610.0	18.0	9.3
RA03DZ_117	130.00	2.37	8.29000	0.11000	0.34440	0.00370	0.83435	2264.0	12.0	1908.0	18.0	2612.2	7.5	2612.2	7.5	27.0
RA03DZ_75	134.00	5.90	17.18000	0.39000	0.58600	0.01200	0.93526	2945.0	22.0	2971.0	48.0	2936.4	8.8	2936.4	8.8	−1.2

Analysis ID	U ppm	U/Th	207Pb / 235U	2σ error	206Pb / 238U	2σ error	rho	207Pb/ 235U Age	2σ error (Ma)	206Pb/ 238U Age	2σ error (Ma)	207Pb/ 206Pb Age	2σ error (Ma)	Best Age	2σ error (Ma)	Discordance (%)
RIO AZERO																
BT01T: Tariquia, Miocene (n=37), (19.66°S, 64.04°W)																
BT01T_30	450.00	2.79	0.01886	0.00060	0.00289	0.00004	0.06529	19.0	0.6	18.6	0.2	135.0	36.0	18.6	0.2	2.0
BT01T_29	151.50	2.94	0.01780	0.00100	0.00293	0.00007	0.08060	17.9	1.0	18.8	0.5	322.0	88.0	18.8	0.5	5.2
BT01T_13	171.00	1.63	0.01970	0.00091	0.00293	0.00007	0.05057	19.8	0.9	18.9	0.5	305.0	55.0	18.9	0.5	4.7
BT01T_3	328.00	3.35	0.01976	0.00060	0.00295	0.00005	0.32272	19.9	0.6	19.0	0.3	150.0	23.0	19.0	0.3	4.3
BT01T_14	261.00	2.90	0.01825	0.00066	0.00296	0.00006	0.02251	18.4	0.7	19.1	0.4	247.0	52.0	19.1	0.4	3.9
BT01T_10	429.00	2.95	0.01923	0.00046	0.00300	0.00004	0.12065	19.3	0.5	19.3	0.3	155.0	27.0	19.3	0.3	0.3
BT01T_5	64.20	1.27	0.01890	0.00170	0.00303	0.00008	0.07620	19.3	1.6	19.5	0.5	540.0	110.0	19.5	0.5	1.1
BT01T_6	115.00	1.65	0.01960	0.00150	0.00303	0.00009	0.09508	19.7	1.5	19.5	0.6	278.0	82.0	19.5	0.6	0.9
BT01T_8	634.00	7.70	0.01981	0.00058	0.00305	0.00004	0.12413	19.9	0.6	19.6	0.3	139.0	28.0	19.6	0.3	1.5
BT01T_4	1190.00	8.50	0.01961	0.00040	0.00305	0.00005	0.42093	19.7	0.4	19.7	0.3	116.0	23.0	19.7	0.3	0.3
BT01T_19	365.00	4.98	0.02003	0.00068	0.00308	0.00004	0.14139	20.1	0.7	19.8	0.3	194.0	43.0	19.8	0.3	1.7
BT01T_2	269.00	2.88	0.02040	0.00065	0.00308	0.00005	0.23604	20.5	0.7	19.8	0.4	206.0	29.0	19.8	0.4	3.2
BT01T_33	94.30	1.69	0.02190	0.00140	0.00311	0.00008	0.00630	21.9	1.4	20.0	0.5	470.0	110.0	20.0	0.5	8.6
BT01T_31	472.00	2.52	0.01981	0.00068	0.00313	0.00006	0.24461	19.9	0.7	20.1	0.4	134.0	34.0	20.1	0.4	1.0
BT01T_1	243.00	1.58	0.02001	0.00071	0.00315	0.00007	0.20842	20.2	0.7	20.3	0.4	188.0	33.0	20.3	0.4	0.2
BT01T_24	183.00	2.61	0.02082	0.00083	0.00316	0.00006	0.08038	20.9	0.8	20.3	0.4	214.0	42.0	20.3	0.4	2.8
BT01T_27	199.00	2.16	0.02051	0.00090	0.00317	0.00006	0.11002	20.6	0.9	20.4	0.4	280.0	65.0	20.4	0.4	1.0
BT01T_28	116.00	1.53	0.02070	0.00110	0.00318	0.00008	0.06981	20.8	1.1	20.5	0.5	371.0	79.0	20.5	0.5	1.6
BT01T_16	184.00	2.80	0.02024	0.00080	0.00320	0.00006	0.11604	20.3	0.8	20.6	0.4	163.0	37.0	20.6	0.4	1.2
BT01T_15	213.00	2.53	0.02055	0.00074	0.00320	0.00006	0.09242	20.7	0.7	20.6	0.4	232.0	43.0	20.6	0.4	0.0
BT01T_22	166.00	1.98	0.02250	0.00110	0.00321	0.00007	0.10002	22.6	1.1	20.6	0.4	308.0	60.0	20.6	0.4	8.7
BT01T_25	189.00	2.68	0.02019	0.00077	0.00322	0.00007	0.02754	20.3	0.8	20.7	0.4	233.0	39.0	20.7	0.4	2.1
BT01T_32	171.00	3.49	0.02307	0.00092	0.00322	0.00007	0.09051	23.2	0.9	20.7	0.5	382.0	52.0	20.7	0.5	10.5
BT01T_9	507.00	3.14	0.02047	0.00055	0.00322	0.00005	0.16274	20.6	0.5	20.7	0.3	145.0	35.0	20.7	0.3	0.7
BT01T_21	172.30	0.94	0.02460	0.00170	0.00325	0.00009	0.25317	24.3	1.6	20.9	0.6	497.0	94.0	20.9	0.6	13.9
BT01T_7	209.00	1.12	0.02240	0.00093	0.00326	0.00007	0.03717	22.5	0.9	21.0	0.4	280.0	44.0	21.0	0.4	6.7
BT01T_37	109.00	1.72	0.02130	0.00130	0.00326	0.00009	0.13524	21.4	1.3	21.0	0.6	295.0	69.0	21.0	0.6	1.9
BT01T_23	131.00	2.10	0.02110	0.00130	0.00326	0.00010	0.14814	21.2	1.3	21.0	0.7	266.0	52.0	21.0	0.7	0.9
BT01T_20	120.70	3.11	0.02120	0.00100	0.00328	0.00008	0.15984	21.2	1.0	21.1	0.5	319.0	63.0	21.1	0.5	0.6
BT01T_36	143.40	2.00	0.02270	0.00110	0.00328	0.00009	0.15733	22.8	1.1	21.1	0.6	349.0	60.0	21.1	0.6	7.4
BT01T_26	157.00	1.99	0.02150	0.00120	0.00330	0.00007	0.03424	21.6	1.1	21.2	0.4	272.0	63.0	21.2	0.4	1.8
BT01T_18	100.00	1.87	0.02320	0.00170	0.00335	0.00008	0.11453	23.2	1.7	21.5	0.5	443.0	83.0	21.5	0.5	7.2
BT01T_17	90.00	1.89	0.02050	0.00130	0.00336	0.00009	0.03062	20.6	1.2	21.6	0.6	254.0	49.0	21.6	0.6	5.0
BT01T_11	135.00	2.33	0.02440	0.00120	0.00340	0.00008	0.08665	24.4	1.2	21.9	0.5	419.0	53.0	21.9	0.5	10.3
BT01T_34	186.00	2.08	0.02216	0.00084	0.00341	0.00007	0.19378	22.3	0.8	22.0	0.4	277.0	51.0	22.0	0.4	1.3
BT01T_12	136.00	1.77	0.02130	0.00110	0.00342	0.00008	0.02860	21.4	1.1	22.0	0.5	296.0	66.0	22.0	0.5	2.7
BT01T_35	152.80	2.31	0.02150	0.00110	0.00344	0.00008	0.17506	21.6	1.0	22.1	0.5	253.0	39.0	22.1	0.5	2.4