

Lucerne Section

Sample Name: 09-SFB-38			Isotopic Ratios					Apparent Ages (Ma)									
Upper Freshwater Molasse (13.5 ± 1 Ma)																	
Grain #	U (ppm)	U/Th	207Pb	2σ error	206Pb	2σ error	Error	235U	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
			235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
SFB38_1	338.00	1.35	0.3294	0.0045	0.04616	0.00067	0.481	289	3.5	290.9	4.1	282	30	290.9	4.1	0.7	Single Age
SFB38_2	216.00	1.85	0.5742	0.0055	0.07494	0.00063	0.644	461	3.6	465.8	3.8	446	18	465.8	3.8	1.0	Single Age
SFB38_3	231.00	1.80	0.3588	0.0062	0.04823	0.00083	0.525	311.1	4.6	303.6	5.1	354	40	303.6	5.1	2.4	Single Age
SFB38_4	649.00	3.11	0.3869	0.0039	0.05284	0.00051	0.459	332.1	2.8	332	3.1	332	23	332.0	3.1	0.0	Single Age
SFB38_5	175.80	4.77	0.5541	0.0060	0.07255	0.00058	0.492	447.5	3.9	451.5	3.5	447	21	451.5	3.5	0.9	Single Age
SFB38_6	31.10	59.80	0.3870	0.0230	0.05240	0.00200	0.737	331	17	329	12	410	100	329.0	12.0	0.6	Rim
SFB38_6	62.50	10.92	0.5940	0.0150	0.07760	0.00210	0.429	475	10	482	13	459	65	482.0	13.0	1.5	Core
SFB38_7	484.00	4.30	0.3810	0.0150	0.05240	0.00220	0.874	331	12	329	13	372	32	329.0	13.0	0.6	Rim
SFB38_7	247.00	1.69	0.6100	0.0130	0.07760	0.00180	0.806	483	8	482	11	483	34	482.0	11.0	0.2	Core
SFB38_8	273.60	0.72	0.3189	0.0040	0.04497	0.00041	0.377	280.9	3.1	283.5	2.5	267	29	283.5	2.5	0.9	Single Age
SFB38_9	450.00	1.78	0.6471	0.0054	0.08109	0.00076	0.479	506.6	3.4	502.6	4.6	531	20	502.6	4.6	0.8	Single Age
SFB38_11	614.00	7.44	0.5211	0.0082	0.06740	0.00120	0.799	425.5	5.5	420.2	7.3	436	23	420.2	7.3	1.2	Single Age
SFB38_12	151.00	1.26	0.3613	0.0069	0.04873	0.00083	0.605	313.4	5	306.7	5.1	355	36	306.7	5.1	2.1	Single Age
SFB38_13	459.20	3.16	0.3134	0.0024	0.04391	0.00033	0.313	276.8	1.8	277	2	277	20	277.0	2.0	0.1	Single Age
SFB38_14	82.10	1.92	0.3014	0.0073	0.04193	0.00060	0.218	267.3	5.7	264.8	3.7	276	66	264.8	3.7	0.9	Single Age
SFB38_15	132.40	1.29	0.3942	0.0047	0.05339	0.00051	0.258	337.3	3.4	335.3	3.1	338	33	335.3	3.1	0.6	Single Age
SFB38_17	150.30	4.01	0.6529	0.0059	0.08224	0.00068	0.497	510.1	3.6	509.4	4	522	19	509.4	4.0	0.1	Single Age
SFB38_18	607.00	1.98	0.5633	0.0092	0.07000	0.00110	0.541	453.3	5.9	436.1	6.9	522	31	436.1	6.9	3.8	Single Age
SFB38_19	203.50	2.09	0.5557	0.0091	0.07220	0.00120	0.607	450	6	449.5	7	458	33	449.5	7.0	0.1	Single Age
SFB38_20	459.00	1.69	0.3900	0.0041	0.05291	0.00071	0.593	334.3	3	332.3	4.3	354	24	332.3	4.3	0.6	Single Age
SFB38_21	171.00	3.41	0.5446	0.0092	0.06960	0.00074	0.368	441.1	6	433.7	4.4	485	35	433.7	4.4	1.7	Single Age
SFB38_22	174.00	1.47	0.3296	0.0074	0.04600	0.00110	0.476	288.9	5.6	289.6	6.7	282	54	289.6	6.7	0.2	Single Age
SFB38_23	228.40	4.01	0.7140	0.0130	0.08367	0.00069	0.565	546.7	7.3	518	4.1	667	30	518.0	4.1	5.2	Single Age
SFB38_24	241.60	4.89	0.7330	0.0180	0.08660	0.00130	0.454	557	11	535.6	7.7	631	42	535.6	7.7	3.8	Single Age
SFB38_25	938.00	2.90	0.2399	0.0041	0.03329	0.00046	0.429	218.3	3.4	211.1	2.9	289	38	211.1	2.9	3.3	Rim
SFB38_25	305.00	1.40	0.3289	0.0051	0.04380	0.00056	0.362	288.6	3.9	276.3	3.5	373	35	276.3	3.5	4.3	Core
SFB38_26	415.00	5.60	0.5596	0.0050	0.07182	0.00047	0.158	451.1	3.2	447.1	2.8	470	18	447.1	2.8	0.9	Single Age
SFB38_27	357.00	3.93	0.2853	0.0035	0.03982	0.00039	0.065	254.8	2.8	251.7	2.4	281	29	251.7	2.4	1.2	Single Age
SFB38_28	2100.00	10.42	0.7193	0.0050	0.08543	0.00061	0.726	550.2	2.9	528.4	3.6	650	10	528.4	3.6	4.0	Single Age
SFB38_29	360.70	13.00	0.5490	0.0110	0.06850	0.00150	0.714	443.8	7	428.3	9	536	41	428.3	9.0	3.5	Rim
SFB38_29	86.00	1.93	0.9030	0.0240	0.10130	0.00270	0.412	653	13	622	16	763	55	622.0	16.0	4.7	Core
SFB38_30	290.00	2.70	0.2944	0.0040	0.04175	0.00050	0.174	261.9	3.1	263.6	3.1	254	39	263.6	3.1	0.6	Single Age
SFB38_31	380.30	1.94	0.3251	0.0058	0.04474	0.00061	0.317	285.6	4.5	282.1	3.8	305	34	282.1	3.8	1.2	Single Age
SFB38_32	524.00	2.04	0.4202	0.0039	0.05672	0.00048	0.489	356.1	2.8	355.6	2.9	359	20	355.6	2.9	0.1	Single Age
SFB38_33	327.50	1.33	0.3272	0.0047	0.04526	0.00052	0.134	287.3	3.6	285.3	3.2	313	40	285.3	3.2	0.7	Single Age
SFB38_35	255.00	2.23	0.6760	0.0120	0.08065	0.00091	0.431	524	7.1	500	5.4	638	31	500.0	5.4	4.6	Single Age
SFB38_36	374.00	1.27	0.3680	0.0160	0.04285	0.00078	0.125	317	12	270.4	4.8	660	100	DISC	DISC	14.7	Single Age
SFB38_37	168.60	1.22	1.5790	0.0180	1.5680	0.00150	0.528	961.4	7.1	939	8.5	1015	22	1015.0	22.0	7.5	Single Age
SFB38_38	165.20	2.93	0.3248	0.0053	0.04515	0.00039	0.012	285.4	4	284.6	2.4	292	36	284.6	2.4	0.3	Single Age
SFB38_40	51.60	1.18	11.6800	0.1400	0.47550	0.00530	0.690	2579	11	2507	23	2638	17	2638.0	17.0	5.0	Single Age
SFB38_41	195.00	1.45	0.3445	0.0046	0.04790	0.00050	0.492	300.4	3.5	301.6	3.1	270	29	301.6	3.1	0.4	Single Age
SFB38_42	105.80	1.37	0.8660	0.0170	0.09700	0.00180	0.482	632.6	9.1	596	11	742	43	596.0	11.0	5.8	Single Age
SFB38_43	982.00	1.81	0.3280	0.0052	0.04547	0.00074	0.766	287.9	3.9	286.6	4.5	306	26	286.6	4.5	0.5	Single Age
SFB38_44	506.00	1.38	0.3889	0.0037	0.05290	0.00037	0.514	333.5	2.7	332.3	2.3	336	18	332.3	2.3	0.4	Single Age
SFB38_45	336.00	10.79	0.4410	0.0170	0.05780	0.00170	0.344	371	12	362	10	438	72	362.0	10.0	2.4	Rim
SFB38_45	88.00	1.16	1.1440	0.0180	1.12600	0.00220	0.467	773.9	8.5	765	12	806	37	765.0	12.0	1.2	Core
SFB38_47	104.80	1.06	0.3421	0.0047	0.04738	0.00049	0.123	298.6	3.5	298.4	3	298	37	298.4	3.0	0.1	Single Age
SFB38_48	446.00	1.93	0.3390	0.0027	0.04684	0.00027	0.435	296.3	2.1	295.1	1.7	313	17	295.1	1.7	0.4	Single Age
SFB38_49	1610.00	2.15	0.3150	0.0039	0.04343	0.00052	0.759	277.9	3	274	3.2	307	20	274.0	3.2	1.4	Single Age
SFB38_51	228.00	1.10	0.4106	0.0063	0.05579	0.00059	0.433	349.2	4.5	350	3.6	321	33	350.0	3.6	0.2	Single Age
SFB38_52	198.00	2.44	0.3678	0.0042	0.05069	0.00045	0.112	317.9	3.1	319.1	2.8	313	33	319.1	2.8	0.4	Single Age
SFB38_53	447.00	1.85	0.7820	0.0100	0.09500	0.00130	0.702	586.5	5.9	584.8	7.6	594	21	584.8	7.6	0.3	Rim
SFB38_53	137.30	1.16	0.8600	0.0150	1.02500	0.00110	0.440	629.5	7.9	628.7	6.7	625	34	628.7	6.7	0.1	Core
SFB38_54	226.60	2.30	0.3379	0.0039	0.04659	0.00034	0.195	295.8	2.9	293.5	2.1	309	27	293.5	2.1	0.8	Single Age
SFB38_55	512.00	0.79	0.3344	0.0033	0.04606	0.00038	0.639	292.8	2.5	290.3	2.4	313	18	290.3	2.4	0.9	Single Age
SFB38_56	72.10	1.26	0.3523	0.0064	0.04815	0.00048	0.169	306.1	4.8	303.5	2.9	323	42	303.5	2.9	0.8	Single Age
SFB38_57	95.40	1.98	6.7000	0.3900	0.29880	0.00820	0.772	2065	49	1685	41	2453	64	DISC	DISC	31.3	Rim

SFB38_102	196.00	5.40	0.6040	0.0130	0.07750	0.00100	0.408	479.4	8.1	481.3	6.2	475	43	481.3	6.2	0.4	Single Age
SFB38_103	396.80	1.85	0.3195	0.0036	0.04451	0.00041	0.372	281.4	2.8	280.7	2.5	292	24	280.7	2.5	0.2	Single Age
SFB38_104	190.00	4.48	0.5550	0.0100	0.07100	0.00130	0.626	448.3	6.6	442.1	7.9	504	38	442.1	7.9	1.4	Single Age
SFB38_105	251.00	4.56	0.6691	0.0061	0.08297	0.00067	0.349	520.4	3.8	513.8	4	550	22	513.8	4.0	1.3	Single Age
SFB38_106	241.00	6.80	0.5620	0.0100	0.07266	0.00084	0.029	452.3	6.7	452.1	5	462	39	452.1	5.0	0.0	Single Age
SFB38_108	110.40	3.18	0.5563	0.0091	0.07120	0.00075	0.045	448.7	5.9	443.4	4.5	475	35	443.4	4.5	1.2	Single Age
SFB38_109	307.00	0.70	0.3208	0.0046	0.04412	0.00043	0.130	282.4	3.5	278.3	2.7	311	34	278.3	2.7	1.5	Single Age
SFB38_110	753.00	3.30	0.3252	0.0033	0.04465	0.00039	0.504	285.8	2.5	281.6	2.4	315	18	281.6	2.4	1.5	Single Age
SFB38_111	156.00	4.72	0.5674	0.0071	0.07283	0.00087	0.201	456.2	4.6	453.1	5.2	506	33	453.1	5.2	0.7	Single Age
SFB38_112	603.00	1.40	0.3205	0.0030	0.04426	0.00029	0.487	282.8	2.2	279.2	1.8	333	19	279.2	1.8	1.3	Single Age
SFB38_113	209.40	4.68	0.5872	0.0076	0.07491	0.00065	0.173	468.9	4.8	465.6	3.9	495	30	465.6	3.9	0.7	Single Age
SFB38_114	693.00	1.26	0.3197	0.0023	0.04449	0.00026	0.338	281.7	1.8	280.6	1.6	300	18	280.6	1.6	0.4	Single Age
SFB38_115	465.00	4.90	0.5469	0.0089	0.06940	0.00110	0.354	442.8	5.8	432.7	6.6	519	39	432.7	6.6	2.3	Rim
SFB38_115	492.70	1.04	0.6920	0.0084	0.08578	0.00097	0.452	533.9	5	530.5	5.8	571	26	530.5	5.8	0.6	Core
SFB38_116	568.00	4.08	0.3283	0.0083	0.04570	0.00100	0.828	288.2	6.4	287.8	6.4	306	51	287.8	6.4	0.1	Rim
SFB38_116	90.80	0.37	0.7960	0.0110	0.09620	0.00120	0.245	594.5	6.1	591.8	7.2	601	37	591.8	7.2	0.5	Core
SFB38_117	180.20	1.33	0.9540	0.0160	0.11076	0.00082	0.426	677.3	6.5	677.1	4.7	698	30	677.1	4.7	0.0	Single Age
SFB38_118	245.70	2.40	0.3384	0.0040	0.04722	0.00039	0.308	295.8	3.1	297.4	2.4	297	26	297.4	2.4	0.5	Single Age
SFB38_119	422.90	6.57	0.5436	0.0061	0.07016	0.00058	0.217	440.7	4	437.1	3.5	484	28	437.1	3.5	0.8	Single Age
SFB38_120	1556.00	105.30	0.3877	0.0062	0.05024	0.00062	0.461	332.7	4.5	316	3.8	474	31	316.0	3.8	5.0	Single Age

Sample Name: 09-SFB-11																	
Upper Freshwater Molasse (14 ± 1 Ma)		Isotopic Ratios						Apparent Ages (Ma)									
Grain #	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age or
09SFB11-1	-	-	0.40239	9.6	0.04229	7.2	0.75	323.0	26.9	248.9	17.6	899	137.9	DISC	DISC	22.9	Single Age
09SFB11-2	-	-	0.58645	2	0.07209	1.7	0.85	459.2	7.4	437.9	7.2	567	24.1	437.9	7.2	4.6	Single Age
09SFB11-3	-	-	0.32959	1.9	0.04596	1.5	0.79	286.2	4.7	286.2	4.2	286	27.6	286.2	4.2	0.0	Single Age
09SFB11-4	-	-	0.30935	2.2	0.04151	1.8	0.82	277.6	5.4	266.4	4.7	373	27.2	266.4	4.7	4.0	Single Age
09SFB11-5	-	-	0.51932	5.8	0.05705	1.7	0.29	426.2	20.4	359.1	5.9	807	119.5	DISC	DISC	15.7	Single Age
09SFB11-6	-	-	0.3262	3.7	0.04303	3	0.81	284.5	9.2	269.3	7.9	411.3	49.9	269.3	7.9	5.3	Single Age
09SFB11-7	-	-	0.56375	2.5	0.06943	2	0.8	453.4	9.2	432.1	8.4	563.2	33	432.1	8.4	4.7	Single Age
09SFB11-8	-	-	0.03264	24.1	0.00438	24.1	1	32.2	7.7	27.8	6.7	373.3	27.2	DISC	DISC	13.7	Single Age
09SFB11-9	-	-	0.57422	3.6	0.07388	2.4	0.67	461.8	13.4	460.8	10.7	466.9	60.9	460.8	10.7	0.2	Single Age
09SFB11-10	-	-	0.5114	2.3	0.06602	1.9	0.83	424.0	8.0	417.6	7.7	459.4	29.1	417.6	7.7	1.5	Single Age
09SFB11-11	-	-	0.34331	2.1	0.04698	1.6	0.76	303.5	5.5	300.2	4.7	328.8	29.7	300.2	4.7	1.1	Single Age
09SFB11-12	-	-	0.57718	1.8	0.07168	1.3	0.72	463.6	6.7	447.4	5.6	544.8	26.4	447.4	5.6	3.5	Single Age
09SFB11-13	-	-	0.31056	3.6	0.0409	3.2	0.89	276.5	8.8	260.4	8.2	415.2	38.5	260.4	8.2	5.8	Single Age
09SFB11-15	-	-	0.45212	3.4	0.0568	3.1	0.91	375.1	10.7	352.2	10.6	519.4	28.8	352.2	10.6	6.1	Single Age
09SFB11-16	-	-	0.26383	2.5	0.03449	2	0.8	237.3	5.3	218.1	4.3	431.7	33.8	218.1	4.3	8.1	Single Age
09SFB11-17	-	-	0.27221	2.3	0.03695	1.9	0.83	247.9	5.1	237.5	4.4	347	29.7	237.5	4.4	4.2	Single Age
09SFB11-18	-	-	0.52228	3.9	0.05056	1.5	0.38	425.6	13.7	317.0	4.6	1066.5	74.1	DISC	DISC	25.5	Single Age
09SFB11-19	-	-	0.35419	2.2	0.04816	1.8	0.82	308.8	5.9	304.2	5.4	343.5	29.7	304.2	5.4	1.5	Single Age
09SFB11-20	-	-	0.94058	2.8	0.11398	1.4	0.5	685.6	14.1	712.6	9.5	598.1	52.9	712.6	9.5	-3.9	Single Age
09SFB11-21	-	-	0.32356	2.3	0.04481	1.7	0.74	290.6	5.8	289.3	4.8	301.7	34.5	289.3	4.8	0.4	Single Age
09SFB11-22	-	-	0.70514	2.1	0.08845	1.7	0.81	542.0	8.9	546.6	8.9	523	26.5	546.6	8.9	-0.8	Single Age
09SFB11-23	-	-	27.06053	21.1	0.24114	21	1	3385.6	231.0	1392.6	268.5			DISC	DISC	58.9	Single Age
09SFB11-24	-	-	0.25555	6.8	0.03115	6.6	0.97	239.6	14.6	205.8	13.4	585.6	39.6	DISC	DISC	14.1	Single Age
09SFB11-25	-	-	1.74155	3.5	0.0579	2.2	0.63	1028.4	22.9	365.2	7.8	2967.2	44.3	DISC	DISC	64.5	Single Age
09SFB11-26	-	-	0.18237	4.2	0.02164	4	0.95	186.2	7.2	152.1	6.0	643.6	28.2	DISC	DISC	18.3	Single Age
09SFB11-27	-	-	0.28646	2.8	0.03946	2.4	0.86	257.5	6.4	251.3	5.9	313.7	34.4	251.3	5.9	2.4	Single Age
09SFB11-28	-	-	0.20166	5.7	0.02561	4.4	0.77	193.1	10.1	169.2	7.4	495.7	83.7	DISC	DISC	12.4	Single Age
09SFB11-29	-	-	0.53148	2.7	0.06486	2.1	0.78	426.2	9.4	397.8	8.1	582.9	37.4	397.8	8.1	6.7	Single Age
09SFB11-30	-	-	0.78667	2	0.09401	1.7	0.85	594.3	9.0	585.4	9.5	628.3	21.7	585.4	9.5	1.5	Single Age
09SFB11-31	-	-	0.72687	2.1	0.08872	1.6	0.76	555.4	9.0	548.8	8.4	582.5	28.5	548.8	8.4	1.2	Single Age
09SFB11-32	-	-	0.372	2.8	0.04711	1.8	0.64	320.2	7.7	295.7	5.2	502.1	49.2	295.7	5.2	7.7	Single Age
09SFB11-33	-	-	4.9458	3.9	0.04709	3.1	0.79	1821.3	33.6	300.5	9.1			DISC	DISC	83.5	Single Age
09SFB11-34	-	-	0.33519	2.8	0.04567	1.9	0.68	296.5	7.2	291.2	5.4	338.5	48.3	291.2	5.4	1.8	Single Age
09SFB11-35	-	-	0.84112	2	0.10303	1.8	0.9	603.3	9.1	610.9	10.5	575	19.7	610.9	10.5	-1.3	Single Age
09SFB11-36	-	-	0.4868	3.7	0.05857	3	0.81	394.6	12.2	358.3	10.5	613.5	46	358.3	10.5	9.2	Single Age
09SFB11-37	-	-	0.40866	2	0.05325	1.7	0.85	340.1	5.8	325.9	5.4	438.7	22.4	325.9	5.4	4.2	Single Age
09SFB11-38	-	-	0.26145	3.3	0.02967	2.6	0.79	234.0	6.9	186.8	4.8	738.7	42.9	DISC	DISC	20.2	Single Age
09SFB11-39	-	-	0.21139	3	0.02256	2.2	0.73	196.2	5.4	145.0	3.2	867.2	44.1	DISC	DISC	26.1	Single Age
09SFB11-40	-	-	0.24071	4.3	0.02952	3.2	0.74	211.6	8.2	180.6	5.7	572.3	64.3	DISC	DISC	14.7	Single Age
09SFB11-41	-	-	0.34802	2.3	0.04816	1.8	0.78	300.6	6.0	300.2	5.3	303.4	32.3	300.2	5.3	0.1	Single Age
09SFB11-42	-	-	0.32287	2.3	0.04468	1.7	0.74	285.5	5.7	283.3	4.7	303.4	36.9	283.3	4.7	0.8	Single Age
09SFB11-43	-	-	0.55658	1.7	0.07193	1.3	0.76	456.0	6.3	455.8	5.7	457.3	24.6	455.8	5.7	0.0	Single Age
09SFB11-44	-	-	0.35074	2.3	0.04769	1.7	0.74	306.6	6.1	301.8	5.0	343.3	36.6	301.8	5.0	1.6	Single Age
09SFB11-45	-	-	0.38627	2	0.05267	1.4	0.7	330.1	5.7	329.1	4.5	336.9	32	329.1	4.5	0.3	Single Age
09SFB11-46	-	-	0.37197	4.4	0.05123	2	0.45	320.0	12.1	320.8	6.3	314.1	91.2	320.8	6.3	-0.2	Single Age
09SFB11-47	-	-	2.39222	1.8	0.16044	1.6	0.89	1247.8	13.0	968.6	14.4	1768.3	14.7	DISC	DISC	45.2	Single Age
09SFB11-48	-	-	0.49702	2.2	0.06502	1.7	0.77	406.9	7.4	402.8	6.6	430.1	31.5	402.8	6.6	1.0	Single Age
09SFB11-49	-	-	0.34259	3.2	0.04834	1.8	0.56	299.0	8.3	304.2	5.3	259	63.2	304.2	5.3	-1.7	Single Age
09SFB11-50	-	-	0.31751	2.2	0.04327	1.6	0.73	277.4	5.4	270.3	4.2	338.1	34.4	270.3	4.2	2.6	Single Age
09SFB11-51	-	-	0.68433	7.1	0.02113	3.7	0.52	528.0	29.7	134.3	4.9	3085.7	100.8	DISC	DISC	74.6	Single Age
09SFB11-52	-	-	0.30986	4.2	0.03996	3.9	0.93	265.3	9.9	243.6	9.3	461.9	33.6	243.6	9.3	8.2	Single Age
09SFB11-53	-	-	0.34352	1.9	0.0459	1.2	0.63	299.1	4.9	288.5	3.4	382.6	34.1	288.5	3.4	3.5	Single Age
09SFB11-54	-	-	0.33021	2.4	0.04603	1.7	0.71	292.4	6.1	293.0	4.9	286.9	39.4	293.0	4.9	-0.2	Single Age
09SFB11-55	-	-	0.48043	5.6	0.05941	2.5	0.45	393.2	18.4	366.4	8.9	554.2	113	366.4	8.9	6.8	Single Age
09SFB11-56	-	-	2.43265	3.7	0.20645	2.6	0.7	1288.7	27.4	1266.4	30.0	1326	53.2	1326.0	53.2	4.5	Single Age
09SFB11-57	-	-	0.72216	3	0.08011	2.5	0.83	538.2	12.6	481.5	11.6	786.6	36.1	DISC	DISC	10.5	Single Age
09SFB11-58	-	-	1.1481	5.8	0.11796	5.1	0.88	724.9	30.5	655.6	31.9	945.7	58.4	655.6	31.9	9.6	Single Age
09SFB11-59	-	-	0.29314	2.8	0.04083	2.4	0.86	261.2	6.5	258.2	6.1	288.5	32.3	258.2	6.1	1.1	Single Age
09SFB11-60	-	-	0.67782	2.1	0.08492	1.3	0.62	524.5	8.6	524.3	6.5	525.5	37.7	524.3	6.5	0.0	Single Age
09SFB11-61	-	-	0.36399	2.3	0.04916	1.7	0.74	313.1	6.2	307.0	5.1	358.6	36.6	307.0	5.1	1.9	Single Age
09SFB11-62	-	-	0.68734	1.9	0.08586	1.5	0.79	529.9	7.9	529.5	7.6	531.9	26.5	529.5	7.6	0.1	Single Age
09SFB11-63	-	-	0.50228	2.2	0.06661	1.8	0.82	410.9	7.5	412.9	7.2	399.6	27.1	412.9	7.2	-0.5	Single Age
09SFB11-64	-	-	0.51497	3	0.06148	2.7	0.9	424.4	10.5	387.4	10.2	630.3	30.4	387.4	10.2	8.7	Single Age
09SFB11-65	-	-	0.33876	2	0.04687	1.6	0.8	294.9	5.1	293.8	4.6	303.7	27.6	293.8	4.6	0.4	Single Age
09SFB11-66	-	-	0.74223	2	0.09124	1.6	0.8	564.2	8.7	563.4	8.6	567.3	26.3	563.4	8.6	0.1	Single Age
09SFB11-67	-	-	0.32862	2	0.04551	1.7	0.85	286.1	5.0	284.2	4.7	301.9	25.3	284.2	4.7	0.7	Single Age
09SFB11-68	-	-	0.32452	2.5	0.04162	1.6	0.64	282.3	6.2	259.7	4.1	474.1	42.6	259.7	4.1	8.0	Single Age
09SFB11-69	-	-	0.33471	2	0.04623	1.6	0.8	296.0	5.1	294.4	4.6	307.9	27.5	294.4	4.6	0.5	Single Age
09SFB11-70	-	-	0.39688	5.4	0.04897	5.1	0.94	329.7	15.3	298.1	14.9	559	39.7	298.1	14.9	9.6	Single Age
09SFB11-71	-	-	0.53221	2.5	0.06856	1.9	0.76	432.9	8.9	427.1	7.9	464.2	35.9	427.1	7.9	1.3	Single Age
09SFB11-72	-	-	0.34129	2.1	0.04665	1.5	0.71	300.6	5.5	296.6	4.3	331.5	34.3	296.6	4.3	1.3	Single Age
09SFB11-73	-	-	0.42914	2.6	0.05714	1.9	0.73	369.1	8.1	365.7	6.8	390.8	41	365.7	6.8	0.9	Single Age
09SFB11-74	-	-	0.54191	2.8	0.06475	1.9	0.68	438.2	10.0	402.8	7.4	628.7	43.7	402.8	7.4	8.1	Single Age
09SFB11-75	-	-	0.34479	2.1	0.04775	1.8											

09SFB11-86	-	-	0.32686	2.4	0.04436	1.8	0.75	291.0	6.1	284.0	5.0	347.4	36.6	284.0	5.0	2.4	Single Age
09SFB11-87	-	-	0.75165	3.1	0.09207	1.3	0.42	547.5	13.2	541.0	6.7	574.9	62.1	541.0	6.7	1.2	Single Age
09SFB11-88	-	-	0.41371	1.7	0.05656	1.1	0.65	351.0	5.1	354.1	3.8	331.2	29.8	354.1	3.8	-0.9	Single Age
09SFB11-89	-	-	0.56642	2	0.07235	1.7	0.85	459.1	7.4	454.4	7.5	482.9	24.4	454.4	7.5	1.0	Single Age
09SFB11-90	-	-	1.61459	2.7	0.15204	2.1	0.78	980.4	17.1	918.6	18.0	1121.7	34.3	1121.7	34.3	18.1	Single Age
09SFB11-91	-	-	0.78603	2.3	0.09155	1.7	0.74	588.9	10.3	564.7	9.2	683.5	32.4	564.7	9.2	4.1	Single Age
09SFB11-92	-	-	0.68056	3.2	0.08519	2.8	0.87	531.4	13.3	532.3	14.3	527.4	33.2	532.3	14.3	-0.2	Single Age
09SFB11-93	-	-	0.36097	2.6	0.04712	2	0.77	318.7	7.1	303.0	5.9	435	36	303.0	5.9	4.9	Single Age
09SFB11-94	-	-	0.17921	3	0.02406	2.4	0.8	162.3	4.5	148.3	3.5	372	41.1	148.3	3.5	8.6	Single Age
09SFB11-95	-	-	0.55142	1.8	0.06993	1.4	0.78	445.1	6.5	434.7	5.9	499.1	26.7	434.7	5.9	2.3	Single Age
09SFB11-96	-	-	0.59727	2.8	0.07372	2	0.71	473.3	10.6	456.0	8.8	558.1	42	456.0	8.8	3.7	Single Age
09SFB11-97	-	-	4.74802	2	0.29503	1.7	0.85	1797.7	17.0	1705.5	25.5	1906.6	18.1	1906.6	18.1	10.5	Single Age
09SFB11-98	-	-	0.61492	2.1	0.07493	1.6	0.76	484.1	8.1	462.8	7.1	586.4	30.7	462.8	7.1	4.4	Single Age
09SFB11-99	-	-	0.32888	1.9	0.04509	1.5	0.79	289.5	4.8	285.2	4.2	324.5	25.2	285.2	4.2	1.5	Single Age
09SFB11-100	-	-	0.5584	2.3	0.06979	1.7	0.74	450.9	8.4	435.3	7.2	531	35.4	435.3	7.2	3.5	Single Age
09SFB11-101	-	-	0.33105	2.2	0.04569	1.6	0.73	290.6	5.6	288.2	4.5	309.3	34.5	288.2	4.5	0.8	Single Age
09SFB11-103	-	-	0.30971	2.5	0.04281	1.8	0.72	272.5	6.0	268.7	4.7	305.8	39.2	268.7	4.7	1.4	Single Age
09SFB11-104	-	-	0.41298	3	0.05264	2.6	0.87	367.0	9.3	348.2	8.8	487.7	33.5	348.2	8.8	5.1	Single Age
09SFB11-105	-	-	0.35869	1.9	0.04742	1.4	0.74	313.8	5.1	301.5	4.1	406.4	29.4	301.5	4.1	3.9	Single Age
09SFB11-106	-	-	0.58303	2.1	0.07016	1.7	0.81	475.5	8.0	447.4	7.4	613.3	28.3	447.4	7.4	5.9	Single Age
09SFB11-107	-	-	0.71528	2.3	0.08639	1.6	0.7	544.7	9.7	530.3	8.2	605.4	37.2	530.3	8.2	2.6	Single Age
09SFB11-108	-	-	0.33759	2.1	0.04639	1.3	0.62	292.4	5.3	289.0	3.7	319.5	39.1	289.0	3.7	1.2	Single Age
09SFB11-109	-	-	1.23606	12.7	0.02296	9.1	0.72	780.1	71.6	137.0	12.3	3872.8	141.2	DISC	DISC	82.4	Single Age
09SFB11-110	-	-	0.43346	2.3	0.05634	2	0.87	367.7	7.1	355.6	6.9	444.6	24.6	355.6	6.9	3.3	Single Age
09SFB11-111	-	-	0.33762	2.4	0.04699	1.4	0.58	295.7	6.2	296.4	4.1	290.3	44	296.4	4.1	-0.2	Single Age
09SFB11-112	-	-	0.38106	2.1	0.05162	1.5	0.71	330.7	5.9	327.7	4.8	351.9	32	327.7	4.8	0.9	Single Age
09SFB11-113	-	-	0.67202	3.1	0.08472	1.9	0.61	511.4	12.5	511.2	9.3	512.1	53.6	511.2	9.3	0.0	Single Age
09SFB11-114	-	-	0.53399	4.2	0.06651	2.6	0.62	448.1	15.3	430.7	10.8	538.6	73.9	430.7	10.8	3.9	Single Age
09SFB11-115	-	-	0.48365	1.8	0.06301	1.5	0.83	396.8	5.9	389.6	5.7	439.3	22.4	389.6	5.7	1.8	Single Age
09SFB11-116	-	-	0.36041	2.2	0.0475	1.6	0.73	311.9	5.9	298.4	4.7	413.5	33.9	298.4	4.7	4.3	Single Age
09SFB11-117	-	-	0.41686	1.9	0.05666	1.5	0.79	357.6	5.7	359.7	5.2	344.1	25.1	359.7	5.2	-0.6	Single Age
09SFB11-118	-	-	0.35037	2.1	0.04791	1.5	0.71	308.0	5.6	305.0	4.5	330.5	32.1	305.0	4.5	1.0	Single Age
09SFB11-119	-	-	0.33715	1.6	0.04716	1.3	0.81	292.6	4.1	294.3	3.7	278.7	20.8	294.3	3.7	-0.6	Single Age
09SFB11-120	-	-	1.85181	16.4	0.01713	16.4	1	672.8	84.1	65.8	9.1	DISC	DISC	DISC	DISC	91.7	Single Age
09SFB11-121	-	-	0.0335	4.3	0.00486	2.5	0.58	32.8	1.4	30.8	0.8	194.8	83.5	30.6	0.6	6.7	Single Age
09SFB11-122	-	-	0.44222	2.9	0.05491	2.5	0.86	356.2	8.7	327.8	8.0	545.2	3.1	327.8	8.0	8.0	Single Age
09SFB11-123	-	-	0.32058	1.8	0.04455	1.4	0.78	282.9	4.5	281.5	3.9	294	27.6	281.5	3.9	0.5	Single Age
09SFB11-124	-	-	0.37884	1.7	0.05193	1.4	0.82	327.8	4.8	328.2	4.5	325.2	22.9	328.2	4.5	-0.1	Single Age
09SFB11-125	-	-	0.56144	2.6	0.07193	2.1	0.81	458.6	9.6	455.0	9.2	476.3	35.8	455.0	9.2	0.8	Single Age
09SFB11-126	-	-	0.56173	1.4	0.07244	1.2	0.86	452.1	5.1	450.3	5.2	461.7	17.8	450.3	5.2	0.4	Single Age
09SFB11-127	-	-	0.75527	3.2	0.0661	1.5	0.47	577.0	14.2	417.9	6.1	1266.2	55.6	DISC	DISC	27.6	Single Age
09SFB11-128	-	-	0.52911	3.3	0.06696	2.6	0.79	443.7	11.9	432.3	10.9	503.7	44.6	432.3	10.9	2.6	Single Age
09SFB11-129	-	-	0.62169	4.4	0.07742	2.2	0.5	507.2	17.7	500.2	10.6	539	85.3	500.2	10.6	1.4	Single Age
09SFB11-130	-	-	1.62469	1.9	0.16058	1.6	0.84	955.6	11.8	926.0	13.8	1024.6	22.4	1024.6	22.4	9.6	Single Age
09SFB11-131	-	-	0.35205	2.3	0.04613	1.5	0.65	305.5	6.1	289.9	4.3	426.5	38.3	289.9	4.3	5.1	Single Age
09SFB11-132	-	-	0.31535	1.7	0.04349	1.4	0.82	276.4	4.1	272.4	3.7	311.2	22.9	272.4	3.7	1.4	Single Age
09SFB11-133	-	-	8.92746	2.8	0.08261	1.8	0.64	2329.9	25.9	511.3	8.9	DISC	DISC	DISC	DISC	78.1	Single Age
09SFB11-134	-	-	0.30047	3.3	0.04068	2.5	0.76	263.8	7.7	253.9	6.2	353	48.1	253.9	6.2	3.8	Single Age
09SFB11-135	-	-	4.30098	3.4	0.28363	2.8	0.82	1694.0	28.4	1610.4	40.0	1799.1	36.8	1799.1	36.8	10.5	Single Age
09SFB11-136	-	-	0.58601	2.6	0.07446	1.6	0.62	472.1	9.9	467.4	7.2	494.7	44.7	467.4	7.2	1.0	Single Age
09SFB11-138	-	-	0.37081	2.9	0.04526	1.8	0.62	320.1	8.0	285.2	5.0	582.6	50.8	DISC	DISC	10.9	Single Age
09SFB11-139	-	-	0.64793	1.9	0.08059	1.4	0.74	506.7	7.6	499.0	6.7	541.4	28.6	499.0	6.7	1.5	Single Age
09SFB11-140	-	-	0.30974	6.9	0.03638	6.3	0.91	266.9	16.3	223.7	13.9	665.5	63.3	DISC	DISC	16.2	Single Age
09SFB11-141	-	-	8.63306	3.3	0.42533	2.2	0.67	2300.1	30.5	2284.6	42.5	2313.8	41.7	2313.8	41.7	1.3	Single Age
09SFB11-142	-	-	0.70819	2.6	0.08786	2	0.77	551.7	11.1	552.8	10.6	547	35.3	552.8	10.6	-0.2	Single Age
09SFB11-143	-	-	0.5767	7.7	0.0615	7.3	0.95	474.4	29.6	396.9	28.2	868.9	54.8	DISC	DISC	16.3	Single Age
09SFB11-144	-	-	0.77981	3	0.09384	1.9	0.63	575.0	13.3	565.4	10.3	613.2	50.5	565.4	10.3	1.7	Single Age
09SFB11-145	-	-	77.24869	4	0.66872	2.7	0.68	4422.1	40.9	3288.4	69.9	DISC	DISC	DISC	DISC	25.6	Single Age
09SFB11-146	-	-	0.33525	4	0.04047	2.8	0.7	295.8	10.3	258.0	7.1	606.4	61.8	DISC	DISC	12.8	Single Age
09SFB11-147	-	-	0.61273	2.2	0.0778	1.9	0.86	488.5	8.6	486.8	8.9	496.4	24.5	486.8	8.9	0.3	Single Age

Sample Name: 09-SFB-07			Isotopic Ratios							Apparent Ages (Ma)									Discordance*	Rim, Core or
Upper Freshwater Molasse (15.5 ± 1 Ma)																				
Grain #	U (ppm)	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	%				
			235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age			
SFB07_1	232.1	2.17	0.3501	0.0039	0.04839	0.00039	0.43	304.7	2.9	304.6	2.4	311	14	304.6	2.4	0.0	Single Age			
SFB07_2	101.3	1.29	0.378	0.0079	0.04756	0.00061	0.24005	326.6	6.1	299.5	3.8	503	27	299.5	3.8	8.3	Single Age			
SFB07_3	470	90.00	0.439	0.013	0.0588	0.0013	0.7532	369.1	9	368	8.2	363	18	368.0	8.2	0.3	Rim			
SFB07_3	113.5	1.46	0.734	0.019	0.0914	0.002	0.73886	560	11	564	12	546	19	564.0	12.0	-0.7	Core			
SFB07_4	557	1.28	0.3396	0.0052	0.04659	0.00067	0.79498	296.8	3.9	293.6	4.1	329	15	293.6	4.1	1.1	Single Age			
SFB07_5	384	0.94	0.5745	0.0048	0.07443	0.00056	0.43317	460.8	3.1	462.8	3.4	453	12	462.8	3.4	-0.4	Single Age			
SFB07_6	666	3.43	0.3492	0.0031	0.04835	0.00047	0.66764	304.1	2.4	304.4	2.9	299.1	9.3	304.4	2.9	-0.1	Single Age			
SFB07_7	1550	2.60	0.3409	0.0036	0.04645	0.00046	0.7116	297.8	2.7	292.7	2.8	355	12	292.7	2.8	1.7	Single Age			
SFB07_8	663	2.37	0.3321	0.0068	0.04528	0.00084	0.51547	291.1	5.2	285.5	5.2	312	24	285.5	5.2	1.9	Rim			
SFB07_8	527	1.51	0.3655	0.0053	0.04976	0.00077	0.67311	316.3	3.9	313	4.8	344	16	313.0	4.8	1.0	Core			
SFB07_10	744	0.75	0.3151	0.004	0.04366	0.00064	0.80143	278.1	3.1	275.5	3.9	311	12	275.5	3.9	0.9	Single Age			
SFB07_11	827	2.92	0.343	0.0033	0.04748	0.00049	0.75948	299.4	2.5	299	3	316.5	8.8	299.0	3.0	0.1	Single Age			
SFB07_12	536	1.60	0.3464	0.0038	0.0484	0.00054	0.71068	302	2.9	304.7	3.3	298	13	304.7	3.3	-0.9	Single Age			
SFB07_13	253.9	1.12	0.3366	0.0038	0.04719	0.00048	0.32929	294.5	2.9	297.2	2.9	298	16	297.2	2.9	-0.9	Single Age			
SFB07_14	167.1	5.08	6.625	0.052	0.3742	0.0031	0.78422	2062	6.9	2049	15	2080.6	6.7	2080.6	6.7	1.5	Single Age			
SFB07_15	33.9	0.86	3.284	0.069	0.2602	0.0047	0.94829	1475	17	1490	24	1462	15	1462.0	15.0	-1.9	Single Age			
SFB07_16	851	2.35	0.3407	0.0022	0.04756	0.00039	0.45095	297.7	1.7	299.5	2.4	292.8	9.3	299.5	2.4	-0.6	Single Age			
SFB07_17	271	1.63	0.3554	0.0038	0.04807	0.00053	0.17071	308.7	2.9	302.6	3.3	352	19	302.6	3.3	2.0	Single Age			
SFB07_18	424.8	1.22	0.3418	0.0037	0.04716	0.0004	0.48987	298.5	2.8	297	2.5	310	13	297.0	2.5	0.5	Single Age			
SFB07_19	589	1.74	4.82	0.23	0.28	0.013	0.97949	1781	41	1590	67	1993	11	DISC	DISC	20.2	Single Age			
SFB07_20	121.7	3.61	0.76	0.018	0.0936	0.0021	0.85725	575	10	576	13	574	15	576.0	13.0	-0.2	Single Age			
SFB07_21	613	1.90	0.3275	0.0032	0.04539	0.00045	0.74276	287.9	2.5	286.1	2.8	303	12	286.2	2.8	0.6	Single Age			
SFB07_22	524	2.78	0.4166	0.0065	0.05315	0.00064	0.52645	353.6	4.6	333.8	3.9	489	25	333.8	3.9	5.6	Single Age			
SFB07_23	256	1.49	0.37	0.0053	0.04994	0.00071	0.54636	319.5	3.9	314.1	4.4	368	21	314.1	4.4	1.7	Single Age			
SFB07_24	937	3.61	6.0006	0.0055	0.07615	0.00068	0.82261	477.5	3.5	473.1	4.1	500.2	7.5	473.1	4.1	0.9	Single Age			
SFB07_25	252	3.12	0.618	0.016	0.0804	0.0018	0.47749	488	10	498	11	458	23	498.0	11.0	-2.0	Rim			
SFB07_25	129	3.61	2.726	0.072	0.194	0.0039	0.76261	1334	20	1142	21	1658	16	DISC	DISC	31.1	Core			
SFB07_26	559	2.49	0.3498	0.0049	0.04831	0.00062	0.80678	304.4	3.7	304.6	3.7	313	11	304.6	3.7	-0.1	Single Age			
SFB07_27	232	0.74	5.229	0.099	0.3316	0.0059	0.95907	1858	17	1845	29	1870.7	7.5	1870.7	7.5	1.4	Single Age			
SFB07_28	546	2.10	0.4448	0.0042	0.04744	0.00054	0.58731	300.8	3.2	298.8	3.3	325	13	298.8	3.3	0.7	Single Age			
SFB07_29	379.1	1.05	0.3576	0.0043	0.04957	0.00051	0.40889	310.3	3.2	311.9	3.2	299	17	311.9	3.2	-0.5	Single Age			
SFB07_30	522	1.84	0.4021	0.0057	0.05266	0.00074	0.40134	343.9	4.3	330.8	4.5	449	20	330.8	4.5	3.8	Single Age			
SFB07_31	74.2	1.81	0.3228	0.0052	0.0446	0.0006	0.54934	283.9	4	281.2	3.7	326	21	281.2	3.7	1.0	Single Age			
SFB07_32	1570	2.91	0.2934	0.0073	0.02972	0.00094	0.93148	261.1	5.8	188.8	5.9	974	18	DISC	DISC	27.7	Single Age			
SFB07_33	182.6	1.26	0.92	0.15	0.3748	0.0053	0.82457	2338	16	2051	25	2596.2	8.4	DISC	DISC	21.0	Single Age			
SFB07_35	2020	147.00	0.344	0.014	0.0459	0.0017	0.92381	300	10	289	11	373	24	289.0	11.0	3.7	Rim			
SFB07_35	268	1.48	0.889	0.026	0.1066	0.003	0.92062	645	14	653	18	612	13	653.0	18.0	-1.2	Core			
SFB07_36	75.89	1.31	1.925	0.021	0.1855	0.0018	0.2078	1089	7.3	1097	9.7	1067	12	1067.0	12.0	-2.8	Single Age			
SFB07_37	1690	2.31	0.2822	0.009	0.0365	0.0013	0.96393	252.2	7.1	231	8.3	399	14	231.0	8.3	8.4	Single Age			
SFB07_38	381.4	0.79	0.3376	0.0032	0.0472	0.00043	0.4699	295.3	2.4	297.3	2.7	284	12	297.3	2.7	-0.7	Single Age			
SFB07_39	838	3.27	0.328	0.0038	0.04497	0.0006	0.78862	288	2.9	283.6	3.7	329	9.8	283.6	3.7	1.5	Single Age			
SFB07_40	465	1.63	0.3429	0.0066	0.0459	0.0011	0.82758	299.3	5	289	6.5	391	24	289.0	6.5	3.4	Single Age			
SFB07_41	192.5	1.21	0.3645	0.0039	0.04991	0.00051	0.34759	315.5	2.9	314	3.1	322	17	314.0	3.1	0.5	Single Age			
SFB07_42	1200	2.54	0.3183	0.0026	0.04382	0.00043	0.63553	280.5	2	276.4	2.6	317.1	9.3	276.4	2.6	1.5	Single Age			

SFB07_43	1710	0.59	0.2874	0.0083	0.0367	0.0013	0.93908	256.3	6.6	232.3	8.2	517	28	232.3	8.2	9.4	Single Age
SFB07_44	149.7	1.06	0.3291	0.0045	0.04559	0.00045	0.32197	288.7	3.4	287.4	2.8	302	18	287.4	2.8	0.5	Single Age
SFB07_45	267.5	8.71	0.6101	0.0074	0.07825	0.00086	0.71077	484	4.5	485.6	5.1	470	11	485.6	5.1	-0.3	Single Age
SFB07_47	380	5.73	0.6242	0.0062	0.08012	0.00081	0.48063	492.3	3.8	496.8	4.8	485	15	496.8	4.8	-0.9	Single Age
SFB07_48	752	2.21	0.3172	0.0035	0.04357	0.00041	0.6724	279.7	2.7	274.9	2.5	335	11	274.9	2.5	1.7	Single Age
SFB07_49	150	0.64	0.3345	0.0057	0.04555	0.00061	0.10384	292.9	4.4	287.1	3.7	363	32	287.1	3.7	2.0	Single Age
SFB07_50	910	2.09	0.332	0.0067	0.0454	0.0013	0.86243	292	5.4	286	7.9	355	28	286.0	7.9	2.1	Single Age
SFB07_52	773	2.35	0.3333	0.0043	0.0457	0.00054	0.65318	292	3.3	288	3.3	334	15	288.0	3.3	1.4	Single Age
SFB07_53	67.3	1.57	0.3496	0.0066	0.04832	0.00073	0.15565	304.3	4.9	304.2	4.5	290	35	304.2	4.5	0.0	Single Age
SFB07_54	353	6.75	0.3606	0.0077	0.0503	0.0011	0.81777	312.4	5.8	316.5	6.5	288	17	316.5	6.5	-1.3	Single Age
SFB07_55	1307	3.32	0.3213	0.0027	0.04452	0.00036	0.61301	282.9	2.1	280.8	2.2	316.8	8.4	280.8	2.2	0.7	Single Age
SFB07_56	405	2.39	0.3733	0.0064	0.04944	0.00087	0.63068	322	4.7	311	5.3	399	26	311.0	5.3	3.4	Single Age
SFB07_57	376	0.96	0.598	0.0066	0.078	0.001	0.76286	475.8	4.2	483.9	6.1	447	15	483.9	6.1	-1.7	Single Age
SFB07_58	1594	1.91	0.2902	0.004	0.03945	0.00065	0.75152	258.7	3.1	249.4	4	358	17	249.4	4	3.6	Single Age
SFB07_59	213.2	2.33	0.323	0.0041	0.0447	0.00046	0.45117	284.1	3.1	281.9	2.8	309	13	281.9	2.8	0.8	Single Age
SFB07_60	165.6	0.69	0.3965	0.0068	0.05206	0.00056	0.19998	338.9	4.9	327.1	3.5	444	31	327.1	3.5	3.5	Single Age
SFB07_61	1103	3.46	0.3492	0.0084	0.04541	0.00098	0.84595	303.8	6.3	286.2	6	460	21	286.2	6.0	5.8	Single Age
SFB07_62	410	2.41	0.4	0.01	0.04719	0.00068	0.62879	342.2	7.6	297.2	4.2	661	38	DISC	DISC	13.2	Single Age
SFB07_64	80.3	1.12	0.751	0.016	0.0909	0.0016	0.70493	567.9	9.3	560.9	9.5	632	22	560.9	9.5	1.2	Single Age
SFB07_65	348	2.23	0.3265	0.0049	0.0443	0.0006	0.65455	286.8	3.8	279.4	3.7	303	16	279.4	3.7	2.6	Single Age
SFB07_66	1084	3.16	0.3322	0.0028	0.04582	0.00042	0.67756	291.2	2.1	288.8	2.6	304.2	9.8	288.8	2.6	0.8	Single Age
SFB07_67	61.6	1.66	0.3288	0.007	0.04573	0.00056	0.30931	288.4	5.4	288.2	3.5	286	27	288.2	3.5	0.1	Single Age
SFB07_68	181	2.21	7.14	0.22	0.3202	0.0085	0.94592	2130	27	1789	42	2464	14	DISC	DISC	27.4	Single Age
SFB07_69	16.96	0.99	1.059	0.021	0.1215	0.0021	0.079429	733	10	739	12	731	27	739	12.0	-0.8	Single Age
SFB07_70	758	2.68	0.3776	0.0049	0.04655	0.00075	0.82501	295.2	3.7	293.3	4.6	315	8.2	293.3	4.6	0.6	Single Age
SFB07_71	181.4	119.80	0.4626	0.0081	0.06006	0.00087	0.034812	385.9	5.6	377.1	5.6	433	25	377.1	5.6	2.3	Rim
SFB07_71	162.3	8.43	1.185	0.037	0.096	0.0021	0.77122	793	17	591	12	1407	24	DISC	DISC	25.5	Core
SFB07_72	287	1.47	0.3276	0.0054	0.04457	0.00054	0.55862	287.6	4.2	281.1	3.3	358	23	281.1	3.3	2.3	Single Age
SFB07_73	2017	4.40	0.5831	0.0088	0.06938	0.00097	0.7103	466.2	5.6	432.3	5.9	644	19	432.3	5.9	7.3	Single Age
SFB07_74	255	2.12	1.824	0.015	0.1798	0.0015	0.66501	1054	5.5	1066	8.2	1034.5	8.2	1034.5	8.2	-3.0	Single Age
SFB07_75	545	1.57	0.3209	0.0057	0.04338	0.0006	0.59059	282.5	4.4	273.8	3.7	330	18	273.8	3.7	3.1	Single Age
SFB07_76	105.4	1.78	0.3224	0.0045	0.04541	0.00042	0.3808	283.6	3.4	286.3	2.6	251	16	286.3	2.6	-1.0	Single Age
SFB07_77	603	2.34	0.3233	0.0037	0.04441	0.00052	0.51809	284.4	2.9	280.1	3.2	315	17	280.1	3.2	1.5	Single Age
SFB07_78	770	1.04	0.3029	0.0082	0.0419	0.0013	0.89661	268.5	6.4	264.8	7.9	316	14	264.8	7.9	1.4	Single Age
SFB07_79	129	1.21	0.3617	0.021	0.4731	0.0095	0.95143	2492	19	2495	42	2495.9	7.9	2495.9	7.9	0.0	Single Age
SFB07_80	459	1.25	0.3529	0.0049	0.04808	0.00059	0.55281	306.8	3.7	302.5	3.6	325	18	302.7	3.6	1.3	Single Age
SFB07_81	424	1.64	0.3377	0.0039	0.04688	0.00042	0.55451	295.4	2.9	295.3	2.6	304	13	295.3	2.6	0.0	Single Age
SFB07_82	743	1.11	0.3415	0.0032	0.04038	0.00045	0.3007	298.2	2.4	255.2	2.8	643	23	DISC	DISC	14.4	Single Age
SFB07_83	565	2.95	0.3535	0.0069	0.04912	0.00093	0.89656	307.7	5.1	309.1	5.7	307	12	309.1	5.7	-0.5	Single Age
SFB07_84	863	1.64	0.3218	0.004	0.04467	0.00065	0.83548	289.6	3	281.7	4	307	12	281.7	4.0	0.7	Single Age
SFB07_85	888	1.66	0.3289	0.0044	0.04378	0.00053	0.59721	299.2	3.4	276.2	3.3	394	20	276.2	3.3	4.5	Single Age
SFB07_86	105.8	1.71	0.3274	0.0059	0.04581	0.00051	0.28588	288	4.6	288.7	3.2	304	20	288.7	3.2	-0.2	Single Age
SFB07_87	390	1.48	0.3514	0.0056	0.04839	0.00069	0.72487	305.7	4.2	304.6	4.3	314	14	304.6	4.3	0.4	Single Age
SFB07_88	343	1.03	0.4941	0.0043	0.06574	0.0006	0.61694	407.6	2.9	410.4	3.6	398	10	410.4	3.6	-0.7	Single Age
SFB07_89	1360	2.77	0.339	0.012	0.0412	0.0012	0.79814	295.5	9.3	260.4	7.4	612	39	DISC	DISC	11.9	Single Age
SFB07_90	575	2.85	0.349	0.0045	0.04828	0.00072	0.65377	303.9	3.4	303.9	4.4	316	14	303.9	4.4	0.0	Single Age
SFB07_91	63	0.90	0.879	0.015	0.1059	0.0013	0.43788	640.2	8.1	648.7	7.6	601	20	648.7	7.6	-1.3	Single Age
SFB07_93	341	5.66	0.5955	0.0046	0.077	0.00066	0.50056	474.6	2.9	478.2	3.9	471.3	9.8	478.2	3.9	-0.8	Single Age
SFB07_94	210	3.88	0.3421	0.0045	0.04753	0.00051	0.35427	298.6	3.4	299.3	3.1	302	19	299.3	3.1	-0.2	Single Age
SFB07_96	206	1.91	0.3416	0.0059	0.04702	0.0005	0.26509	298.2	4.4	296.2	3.1	310	18	296.2	3.1	0.7	Single Age
SFB07_97	1264	1.19	0.2935	0.0035	0.03814	0.00044	0.64587	261.3	2.7	241.3	2.8	394	15	241.3	2.8	7.7	Single Age
SFB07_98	1890	2.38	0.233	0.016	0.0284	0.0026	0.98071	212	13	180	16	571	72	DISC	DISC	15.1	Single Age
SFB07_100	809	1.93	0.3266	0.0072	0.04423	0.00089	0.815	286.8	5.5	279	5.5	370	20	279.0	5.5	2.7	Single Age
SFB07_101	638	13.30	0.5372	0.0079	0.0693	0.0011	0.87527	437	5.1	431.9	6.9	463	11	431.9	6.9	1.2	Single Age
SFB07_102	759	1.52	0.3231	0.0043	0.04474	0.00071	0.7356	284.2	3.3	282.1	4.4	313	18	282.1	4.4	0.7	Single Age
SFB07_103	282	0.94	0.3504	0.0046	0.04868	0.00056	0.35644	304.9	3.5	306.9	3.4	301	14	306.9	3.4	-0.7	Single Age
SFB07_104	954	1.99	0.3281	0.0039	0.04334	0.00058	0.73322	288.1	3	273.5	3.6	397	10	273.5	3.6	5.1	Single Age
SFB07_105	710	3.20	0.42	0.12	0.051	0.014	0.98986	349	8.2	320	85	562	35	DISC	DISC	8.3	Rim
SFB07_105	415.4	1.22	1.257	0.019	0.1367	0.0018	0.36593	827.3	8.2	826	10	829	18	826	10.0	0.2	Core
SFB07_106	246	2.23	0.3615	0.0055	0.04958	0.00054	0.49286	313.2	4.1	311.9	3.3	335	21	311.9	3.3	0.4	Single Age
SFB07_107	983	2.27	0.941	0.034	0.1031	0.0041	0.96922	672	18	632	24	827	10	632.0	24.0	6.0	Single Age
SFB07_108	390	27.30	0.601	0.04	0.0753	0.0047	0.97589	477	26	468	28	504	23	468.0	28.0	1.9	Rim
SFB07_108	151.1	1.09	2.133	0.03	0.1927	0.0032	0.61285	1159	9.6	1136	17	1206	17	1206.0	17.0	5.8	Core
SFB07_109	251	13.67	0.415	0.0053	0.05622	0.0007	0.56372	352.8	3.7	352.6	4.3	352	13	352.6	4.3	0.1	Single Age
SFB07_110	350.5	1.69	0.3273	0.0034	0.04533	0.00044	0.30453	287.5	2.6	285.8	2.7	289	15	285.8	2.7	0.6	Single Age
SFB07_111	940	1.46	0.3259	0.0038	0.04077	0.00056	0.67501	286.4	2.9	257.6	3.4	543	15	DISC	DISC	10.1	Single Age
SFB07_112	726.6	2.40	0.3302	0.0029	0.0456	0.00044	0.57816	289.6	2.3	287.5	2.7	303.5	9.7	287.5	2.7	0.7	Single Age
SFB07_113	477	1.13	0.34	0.0047	0.04722	0.0007	0.6888	297	3.6	297.4	4.3	291	15	297.4	4.3	-0.1	Single Age
SFB07_114	558	7.57	0.341	0.0041	0.04717	0.00061	0.60239	297.8	3.1	297.1	3.7	284	15	297.1	3.7	0.2	Single Age
SFB07_115	533	2.43	0.3294	0.0074	0.0448	0.0011	0.33697	288.9	5.6	282.3	6.9	336	21	282.3	6.9	2.3	Single Age
SFB07_116	179.5	2.29	1.662	0.026	0.165	0.0026	0.79512	994	10	987	14	1003	10	1003.0	10.0	1.6	Single Age
SFB07_117	475	1.34	1.086	0.025	0.1202	0.0026	0.										

SFB14_3	242	28.7	0.4063	0.0089	0.0537	0.0013	0.50578	346.1	6.4	337.2	7.8	415	34	337.2	7.8	2.6	Rim
SFB14_3	114	0.763	1.865	0.021	0.1781	0.0022	0.50698	1069	7.5	1056	12	1102	11	1102.0	11.0	4.2	Core
SFB14_4	99.5	1.0568	0.7533	0.009	0.09255	0.00089	0.32599	569.9	5.2	570.6	5.2	575	18	570.6	5.2	-0.1	Single Age
SFB14_5	240	1.636	0.5863	0.0069	0.07544	0.0007	0.69002	468.3	4.4	468.8	4.2	476	11	468.8	4.2	-0.1	Single Age
SFB14_6	1054	1.031	0.2514	0.0057	0.0344	0.001	0.94216	227.6	4.6	218.2	6.4	320	18	218.2	6.4	4.1	Single Age
SFB14_7	693	2.02	0.3101	0.0037	0.04329	0.00025	0.59396	274.8	2.8	273.2	1.5	299	12	273.2	1.5	0.6	Single Age
SFB14_8	280	1.177	0.3207	0.0056	0.04546	0.00076	0.76589	283.1	4.5	286.6	4.7	288	18	286.6	4.7	-1.2	Single Age
SFB14_9	1450	1.781	0.289	0.0038	0.03979	0.00055	0.93653	257.7	3	251.5	3.4	319.6	7.6	251.5	3.4	2.4	Single Age
SFB14_10	103.5	1.856	0.8831	0.0086	0.1063	0.00096	0.30478	642.5	4.7	651.2	5.6	624	12	651.2	5.6	-1.4	Single Age
SFB14_11	697	2.37	0.3111	0.005	0.04339	0.00079	0.80447	275	3.9	273.8	4.9	300	15	273.8	4.9	0.4	Single Age
SFB14_12	178	2.2	0.89	0.017	0.1047	0.002	0.6484	645.6	9.2	642	11	664	18	642.0	11.0	0.6	Single Age
SFB14_13	558	5.5	0.3123	0.0058	0.04373	0.00079	0.84441	275.9	4.4	275.9	4.8	292	12	275.9	4.8	0.0	Single Age
SFB14_14	803	183	0.3414	0.0048	0.04691	0.00051	0.34728	298.2	3.6	295.5	3.2	317	15	295.5	3.2	0.9	Single Age
SFB14_15	187	1.788	0.335	0.0046	0.04684	0.00061	0.50684	293.3	3.5	295.1	3.8	295	17	295.1	3.8	-0.6	Single Age
SFB14_16	148	1.64	1.861	0.018	0.1829	0.0016	0.74917	1067	6.5	1082.4	8.6	1031.1	9.6	1031.1	9.6	-5.0	Single Age
SFB14_17	281	2.14	0.3315	0.0051	0.04669	0.00051	0.79796	290.6	3.9	294.2	3.2	293	20	294.2	3.2	-1.2	Single Age
SFB14_18	357	6.73	0.576	0.01	0.0742	0.0012	0.67579	461.9	6.6	461.5	7.3	464	17	461.5	7.3	0.1	Single Age
SFB14_19	62.9	0.654	0.3142	0.0054	0.0443	0.00089	0.20141	277.3	4.2	279.4	5.5	298	23	279.4	5.5	-0.8	Single Age
SFB14_20	205.6	27.4	0.3964	0.0049	0.05433	0.00044	0.38945	338.9	3.6	341.1	2.7	342	17	341.1	2.7	-0.6	Single Age
SFB14_21	229	5.66	0.648	0.024	0.0821	0.0026	0.89963	506	14	509	15	514	20	509.0	15.0	-0.6	Rim
SFB14_21	195.9	2.297	1.497	0.043	0.1534	0.0035	0.9375	428	17	920	19	956	16	956.0	16.0	3.8	Core
SFB14_22	375	18.7	0.578	0.011	0.0738	0.0024	0.61423	963.4	6.8	459	14	466	55	459.0	14.0	0.9	Rim
SFB14_22	188.5	1.31	6.59	0.057	0.3454	0.0026	0.7335	2058	7.6	1912	12	2207	7.4	2207.0	7.4	13.4	Core
SFB14_23	474	2.89	0.3265	0.0044	0.0458	0.00058	0.65365	286.8	3.4	288.7	3.6	285	12	288.7	3.6	-0.7	Single Age
SFB14_24	417	2.38	0.3222	0.0043	0.04635	0.00066	0.45877	291.2	3.3	292	4	286	12	292.0	4.0	-0.3	Single Age
SFB14_25	97.4	0.9386	0.5998	0.0098	0.07332	0.00094	0.32428	457.6	6.3	456.1	5.6	485	22	456.1	5.6	0.3	Single Age
SFB14_26	106.6	1.342	0.3159	0.0044	0.04421	0.00038	0.13342	278.7	3.4	278.8	2.3	276	19	278.8	2.3	0.0	Single Age
SFB14_27	173.2	1.395	0.377	0.0055	0.05172	0.00048	0.4803	324.7	4.1	325.1	2.9	325	15	325.1	2.9	-0.1	Single Age
SFB14_28	940	52	0.417	0.017	0.0558	0.002	0.93439	353	12	350	12	376	17	350.0	12.0	0.8	Rim
SFB14_28	108.6	2.467	2.109	0.052	0.1604	0.003	0.84383	1154	18	959	17	1540	17	DISC	DISC	37.7	Core
SFB14_29	159	6.1	0.635	0.043	0.0801	0.0048	0.9775	495	27	496	28	503	24	496.0	28.0	-0.2	Single Age
SFB14_30	176	5.19	0.5668	0.007	0.07328	0.00075	0.73623	455.7	4.5	456.5	4.4	445.6	9.2	456.5	4.4	-0.2	Single Age
SFB14_31	234.1	1.395	0.55	0.011	0.0712	0.0016	0.92512	445	7.5	443.5	9.8	467.7	9.2	443.5	9.8	0.3	Single Age
SFB14_32	381	3.029	0.715	0.013	0.0887	0.0017	0.9123	547.4	7.7	549	10	547	10	548.0	10.0	-0.1	Single Age
SFB14_33	123	3.48	0.6944	0.0091	0.08663	0.00097	0.38781	536.2	5.6	535.5	5.7	543	14	535.5	5.7	0.1	Single Age
SFB14_33	35.7	1.719	3.834	0.043	0.0805	0.0013	0.48352	159.9	9.1	490.1	7.7	3682	14	DISC	DISC	68.8	Single Age
SFB14_34	497	2.77	0.3318	0.0058	0.04603	0.00078	0.82423	290.8	4.4	290.1	4.8	289.2	9.6	290.1	4.8	0.2	Single Age
SFB14_35	497	2.77	0.3318	0.0058	0.04603	0.00078	0.82423	290.8	4.4	290.1	4.8	289.2	9.6	290.1	4.8	0.2	Single Age
SFB14_36	102.7	0.954	0.3206	0.0041	0.04518	0.00047	0.048873	282.3	3.1	284.8	2.9	280	21	284.8	2.9	-0.9	Single Age
SFB14_37	647	5.89	0.2738	0.0023	0.03863	0.00024	0.13891	245.7	1.9	244.3	1.5	270	13	244.3	1.5	0.6	Single Age
SFB14_38	565.1	1.467	0.2892	0.004	0.04024	0.00045	0.63097	257.9	3.2	254.3	2.8	289	13	254.3	2.8	1.4	Single Age
SFB14_39	111.9	1.636	0.3596	0.0051	0.05032	0.00066	0.50384	311.8	3.8	316.4	4.1	315	18	316.4	4.1	-1.5	Single Age
SFB14_40	196.9	3.18	0.5683	0.0072	0.07386	0.00066	0.51653	456.8	4.6	459.3	3.9	457	14	459.3	3.9	-0.5	Single Age
SFB14_41	200	1.91	0.3563	0.0053	0.04956	0.00048	0.34693	309.3	4	311.8	3	334	36	311.8	3.0	-0.8	Single Age
SFB14_42	354.3	10.4	0.5475	0.0083	0.06875	0.00059	0.3727	443.1	5.4	428.6	3.6	520	29	428.6	3.6	3.3	Single Age
SFB14_43	200	1.227	0.3222	0.0063	0.04362	0.00052	0.20356	283.4	4.8	275.2	3.2	333	43	275.2	3.2	2.9	Single Age
SFB14_44	247.6	3.02	5.909	0.079	0.3303	0.0051	0.39161	1962	11	1840	25	2096	39	2096.0	39.0	12.2	Single Age
SFB14_45	319	9.4	0.553	0.014	0.0729	0.0014	0.71553	446.8	9.1	453.6	8.2	465	33	453.6	8.2	-1.5	Single Age
SFB14_46	87.7	0.96	0.3578	0.0085	0.0506	0.00082	0.24895	310.4	6.3	318.2	5	261	59	318.2	5.0	-2.5	Single Age
SFB14_47	130	0.54	0.207	0.02	0.0227	0.0039	0.53429	191	17	145	25	860	350	DISC	DISC	24.1	Rim
SFB14_47	55.69	1.526	0.307	0.0098	0.04118	0.00069	0.02848	271.5	7.6	260.1	4.3	334	79	260.1	4.3	4.2	Core
SFB14_48	54	0.555	0.1806	0.0096	0.02607	0.00073	0.15484	169.2	7.9	165.9	4.6	270	120	165.9	4.6	2.0	Single Age
SFB14_49	368	45.8	0.4002	0.0057	0.05369	0.00081	0.32402	341.7	4.1	337.1	5	373	37	337.1	5.0	1.3	Rim
SFB14_49	354	3.98	0.5691	0.0074	0.07308	0.0006	0.35116	457.3	4.8	454.7	3.6	484	29	454.7	3.6	0.6	Core
SFB14_50	392	2.29	0.341	0.0038	0.04745	0.00041	0.57025	297.8	2.9	298.8	2.5	307	24	298.8	2.5	-0.3	Single Age
SFB14_51	1049	1.843	0.3196	0.0031	0.04436	0.00037	0.63287	281.6	2.4	279.8	2.3	301	17	279.8	2.3	0.6	Single Age
SFB14_52	370.9	3.41	0.8278	0.0076	0.099	0.00094	0.41548	612.2	4.2	608.5	5.5	636	21	608.5	5.5	0.6	Single Age
SFB14_53	2150	1.52	0.277	0.03	0.0343	0.0029	0.92445	248	24	217	18	555	97	DISC	DISC	12.5	Rim
SFB14_53	283	1.673	0.3547	0.0055	0.04898	0.00052	0.27688	308.1	4.1	308.3	3.2	312	39	308.3	3.2	-0.1	Core
SFB14_54	1323	1.52	0.2053	0.0065	0.02551	0.00064	0.22223	187.8	4.4	162.3	4	550	49	DISC	DISC	13.6	Single Age
SFB14_55	199	21.2	0.451	0.014	0.0537	0.001	0.44089	378	10	336.9	6.3	649	58	DISC	DISC	10.9	Single Age
SFB14_56	215.8	0.7823	0.3177	0.0039	0.04403	0.00042	0.16953	280	3	278.1	2.7	287	33	278.1	2.7	0.7	Single Age
SFB14_57	297	11.65	0.5561	0.0051	0.07151	0.00045	0.13018	448.9	3.3	445.2	2.7	482	22	445.2	2.7	0.8	Single Age
SFB14_58	230	4.21	0.5494	0.006	0.07086	0.00083	0.26632	444.4	4	441.3	5	468	31	441.3	5.0	0.7	Single Age
SFB14_59	559	16.5	0.488	0.024	0.0653	0.0029	0.91454	403	16	408	17	390	45	408.0	17.0	-1.2	Rim
SFB14_59	553	1.666	0.7993	0.0098	0.096	0.0013	0.57881	596.3	5.5	591.1	7.4	629	29	591.1	7.4	0.9	Rim
SFB14_59	371	1.181	0.927	0.014	0.11	0.0015	0.56825	666.1	7.4	672.5	8.8	663	26	672.5	8.8	-1.0	Core
SFB14_60	64	0.2663	0.776	0.013	0.03821	0.00066	0.11352	583.8	7.2	241.7	4.1	2314	38	DISC	DISC	58.6	Single Age
SFB14_61	412	8.35	0.556	0.0062	0.07213	0.0005	0.83839	448.8	4	449	3	455	19	449.0	3.0	0.0	Single Age
SFB14_62	360	14.7	0.4051	0.0056	0.05508	0.00072	0.23382	345.2	4	345.6	4.4	339	38	345.6	4.4	-0.1	Rim
SFB14_62	275.2	3.36	0.679	0.017	0.0842	0.0014	0.8511	526	10	521.4	8.2	528	33	521.4	8.2	0.9	Core
SFB14_63	583	1.378	0.3223	0.0037	0.04427	0.00035	0.43822	283.6	2.8	279.2	2.2	339	25	279.2	2.2	1.6	Single Age
SFB1																	

SFB14_99	922	1.519	0.3103	0.004	0.04206	0.00044	0.70498	275.2	3.1	265.6	2.7	335	24	265.6	2.7	3.5	Single Age
SFB14_100	1250	7.8	0.3215	0.0043	0.04429	0.00045	0.54032	282.9	3.3	279.3	2.8	321	23	279.3	2.8	1.3	Single Age
SFB14_101	705	1.571	0.3573	0.0032	0.04869	0.00039	0.5557	310.1	2.4	306.5	2.4	339	19	306.5	2.4	1.2	Single Age
SFB14_102	181.2	1.535	0.3324	0.0059	0.04592	0.0006	0.18391	291.2	4.5	289.4	3.7	296	40	289.4	3.7	0.6	Single Age
SFB14_103	484	1.951	0.3351	0.004	0.04635	0.0004	0.36097	293.4	3	292.1	2.4	298	27	292.1	2.4	0.4	Single Age
SFB14_104	231.6	0.688	0.3622	0.0048	0.04986	0.00041	0.046555	313.7	3.6	314.2	2.4	305	30	314.2	2.4	-0.2	Single Age
SFB14_105	832	2.534	0.3416	0.0026	0.0466	0.00027	0.34558	298.3	2	293.6	1.7	322	21	293.6	1.7	1.6	Single Age
SFB14_106	59	0.73	0.775	0.022	0.0946	0.0024	0.49335	582	12	583	14	585	55	583.0	14.0	-0.2	Single Age
SFB14_107	207	3.11	0.3924	0.0066	0.05406	0.00045	0.093656	335.9	4.8	339.4	2.8	317	38	339.4	2.8	-1.0	Single Age
SFB14_108	333.3	1.057	0.3075	0.0046	0.04239	0.00047	0.47023	272.1	3.6	267.6	2.9	302	36	267.6	2.9	1.7	Single Age
SFB14_109	682	0.689	0.2987	0.0067	0.03972	0.00084	0.89345	265.3	5.3	251.1	5.2	404	24	251.1	5.2	5.4	Single Age
SFB14_110	54.8	1.782	0.3067	0.0078	0.04223	0.00062	0.13759	271.3	6	266.6	3.8	314	72	266.6	3.8	1.7	Single Age
SFB14_111	289.2	2.76	8.29	0.2	0.371	0.0074	0.54712	2261	22	2033	35	2470	13	2470.0	13.0	17.7	Single Age
SFB14_112	248	1.56	1.905	0.029	0.1837	0.0024	0.84158	1085	9.9	1087	13	1092	15	1092.0	15.0	0.5	Single Age
SFB14_113	647	2.88	0.3033	0.0034	0.04201	0.00031	0.49268	268.9	2.7	265.3	1.9	295	23	265.3	1.9	1.3	Single Age
SFB14_114	170.4	1.365	1.052	0.015	0.1134	0.0015	0.55515	729.7	7.5	692.2	8.6	840	31	692.2	8.6	5.1	Single Age
SFB14_115	672	1.353	0.5737	0.0083	0.07019	0.00099	0.75524	460.2	5.3	437.3	6	573	18	437.3	6.0	5.0	Single Age
SFB14_116	798	14.1	0.35	0.006	0.04732	0.00082	0.61602	304.7	4.5	298	5.1	344	32	298.0	5.1	2.2	Rim
SFB14_116	180.5	4.03	0.546	0.011	0.0702	0.0011	0.36399	442.7	7.2	437.3	6.6	414	47	437.3	6.6	1.1	Core
SFB14_117	250	1.71	0.3224	0.0048	0.04428	0.00049	0.46029	284.1	3.6	279.3	3	307	29	279.3	3.0	1.7	Single Age
SFB14_118	218	2.187	0.3372	0.0048	0.04747	0.00041	0.25413	294.9	3.6	298.9	2.5	290	31	298.9	2.5	-1.4	Single Age
SFB14_119	133.2	1.43	0.717	0.011	0.0883	0.0012	0.56873	548.8	6.8	545.5	7.2	579	31	545.5	7.2	0.6	Single Age
SFB14_120	99.3	72	0.316	0.024	0.0396	0.0019	0.6146	278	19	250	12	600	130	DISC	DISC	10.1	Rim
SFB14_120	276	3.31	0.79	0.019	0.0926	0.0016	0.81895	590	11	570.5	9.1	699	27	570.5	9.1	3.3	Core

Sample Name:		09-SFB-49																					
Upper Marine Molasse (19 ± 1 Ma)				Isotopic Ratios								Apparent Ages (Ma)											
		U	U/Th	207Pb	2σ error	206Pb	2σ error	Error		207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or				
Grain #		(ppm)		235U	(abs.)	238U	(abs.)	Corr.		235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age				
SFB49_05	122	2.293		0.708	0.011	0.08653	0.00095	0.006765	543.2	6.3	535	5.6	585	38	535.0	5.6	1.5	Single Age					
SFB49_09	446	2.78		0.3496	0.0062	0.04517	0.00054	0.38204	304.9	4.6	284.8	3.3	461	37	284.8	3.3	6.6	Single Age					
SFB49_13	61.5	0.998		1.188	0.067	0.04939	0.0009	0.32398	786	30	310.8	5.5	2553	87	DISC	DISC	60.5	Single Age					
SFB49_15	28.8	0.934		1.478	0.07	0.0518	0.0011	0.39248	915	27	325.6	6.9	2886	73	DISC	DISC	64.4	Single Age					
SFB49_16	1320	7.13		0.2761	0.0095	0.0287	0.0014	0.077364	247.5	7.6	182.4	8.5	980	140	DISC	DISC	26.3	Rim					
SFB49_16	403.5	2.013		0.3416	0.0033	0.04607	0.00036	0.10925	298.3	2.5	290.7	2.2	352	25	290.7	2.2	2.5	Core					
SFB49_21	212	3.75		0.55	0.0059	0.07133	0.00079	0.43163	444.9	3.9	444.1	4.7	431	29	444.1	4.7	0.2	Single Age					
SFB49_23	656	1.41		0.3362	0.0045	0.04571	0.00056	0.52699	294.2	3.4	288.1	3.4	338	26	288.1	3.4	2.1	Single Age					
SFB49_24	1162	1.497		0.2978	0.0028	0.04078	0.00037	0.63948	264.6	2.2	257.7	2.3	316	19	257.7	2.3	2.6	Single Age					
SFB49_30	1655	23.38		0.402	0.0032	0.05332	0.00043	0.56641	343	23	334.9	2.6	397	15	334.9	2.6	2.4	Single Age					
SFB49_31	502	2.87		0.3781	0.0055	0.04954	0.00059	0.068103	325.6	4.1	311.7	3.6	428	34	311.7	3.6	4.3	Single Age					
SFB49_32	1448	4.16		0.621	0.024	0.0742	0.0023	0.92893	490	15	461	14	631	31	461.0	14.0	5.9	Single Age					
SFB49_33	483.9	3.08		0.3352	0.0037	0.04619	0.00032	0.098328	293.5	2.8	291.1	2	299	30	291.1	2.0	0.8	Single Age					
SFB49_34	204	0.851		0.3681	0.0043	0.04992	0.00039	0.14694	318.2	3.2	314	2.4	341	27	314.0	2.4	1.3	Single Age					
SFB49_35	356	1.962		0.3251	0.0042	0.04439	0.0004	0.14928	285.7	3.2	280	2.5	323	33	280.0	2.5	2.0	Single Age					
SFB49_36	473	3.06		0.3714	0.0062	0.05046	0.00043	0.012912	320.5	4.4	317.3	2.7	319	22	317.3	2.7	1.0	Single Age					
SFB49_41	156.4	2.489		0.815	0.023	0.054	0.0017	0.46807	604	13	339	10	1788	52	DISC	DISC	43.9	Single Age					
SFB49_47	316.2	2.018		0.327	0.0041	0.04544	0.00043	0.18505	287.2	3.2	286.5	2.6	284	31	286.5	2.6	0.2	Single Age					
SFB49_50	75.4	1.334		1.206	0.04	0.0487	0.001	0.036226	802	18	306.2	6.4	2647	55	DISC	DISC	61.8	Single Age					
SFB49_51	71.3	1.447		1.771	0.026	0.1729	0.0018	0.53142	1034	9.4	1027.8	9.8	1066	24	1066.0	24.0	3.6	Single Age					
SFB49_53	220	0.995		0.3321	0.0065	0.04526	0.00046	0.62613	291	4.9	285.3	2.9	338	36	285.3	2.9	2.0	Single Age					
SFB49_54	109.1	21.67		1.052	0.028	0.04628	0.00073	0.54135	729	13	291.6	4.5	2510	39	DISC	DISC	60.0	Single Age					
SFB49_56	1356	1.041		0.3149	0.0036	0.04306	0.00041	0.7038	277.9	2.8	271.7	2.5	324	19	271.7	2.5	2.2	Single Age					
SFB49_59	280	1.865		0.3442	0.0091	0.04711	0.00062	0.005017	300.1	6.8	296.8	3.8	332	67	296.8	3.8	1.1	Single Age					
SFB49_64	1873	1.961		0.3	0.01	0.02797	0.00095	0.6508	267.7	8.2	177.8	6	1150	63	DISC	DISC	33.6	Single Age					
SFB49_65	853	1.008		0.3284	0.0038	0.04546	0.00043	0.43031	288.2	2.9	286.6	2.7	309	19	286.6	2.7	0.6	Single Age					
SFB49_68	233	3.17		0.67	0.016	0.0806	0.0012	0.48671	520	9.7	499.5	7.1	620	40	499.5	7.1	3.9	Single Age					
SFB49_72	83.1	4.24		0.987	0.06	0.04487	0.00092	0.65043	690	29	282.9	5.7	2422	83	DISC	DISC	59.0	Single Age					
SFB49_73	288	0.765		0.816	0.012	0.0964	0.0012	0.41437	605.5	7	593.2	6.9	663	31	593.2	6.9	2.0	Single Age					
SFB49_74	30.27	0.2158		1.46	0.041	0.0545	0.0013	0.52098	914	17	342.1	7.9	2787	44	DISC	DISC	62.6	Single Age					
SFB49_75	539	1.493		0.4213	0.0064	0.04652	0.00047	0.24632	356.9	4.6	293.1	2.9	805	36	DISC	DISC	17.9	Single Age					
SFB49_77	676	27.2		0.433	0.011	0.055	0.002	0.50141	365	8	345	12	478	73	345.0	12.0	5.5	Rim					
SFB49_77	368	0.807		0.846	0.011	0.0972	0.0014	0.40637	622.4	6.1	598	8.1	708	33	598.0	8.1	3.9	Core					
SFB49_85	2920	2.28		0.282	0.012	0.026	0.0011	0.64626	252.2	9.8	165.3	7.1	1224	61	DISC	DISC	34.5	Rim					
SFB49_85	297	1.55		0.5165	0.0067	0.0646	0.00094	0.26327	422.7	4.5	403.5	5.7	530	37	403.5	5.7	4.5	Core					
SFB49_87	30	0.1982		1.35	0.039	0.0471	0.0012	0.17361	865	17	296.5	7.5	2891	54	DISC	DISC	65.7	Single Age					
SFB49_88	532	1.227		0.2853	0.0075	0.03951	0.00082	0.64553	254.7	5.9	249.8	5.1	313	47	249.8	5.1	1.9	Single Age					
SFB49_89	443	3.91		0.5487	0.0098	0.0705	0.0012	0.5252	444	6.4	439	7.1	456	35	439.0	7.1	1.1	Rim					
SFB49_89	375	0.9034		0.996	0.013	0.1116	0.001	0.098082	701.5	6.7	682.2	6.1	748	34	682.2	6.1	2.8	Core					
SFB49_92	141.9	2.68		0.577	0.011	0.0725	0.0011	0.23622	461.9	7.2	450.8	6.4	502	42	450.8	6.4	2.4	Single Age					
SFB49_93	182.4	1.891		0.9	0.033	0.049	0.0015	0.41168	650	18	308.5	9.1	2134	39	DISC	DISC	52.5	Single Age					
SFB49_99	1917	1.487		0.3046	0.0027	0.04186	0.00037	0.61155	270	21	264.3	2.3	323	18	264.3	2.3	2.1	Single Age					
SFB49_104	300.5	1.684		0.3341	0.0044	0.04619	0.00034	0.21329	292.6	3.4	291.1	2.1	301	31	291.1	2.1	0.5	Single Age					
SFB49_105	892	0.648		0.624	0.018	0.074	0.0023	0.939	491	11	460	14	651	22	460.0	14.0	6.3	Single Age					
SFB49_106	530	1.273		0.3267	0.0059	0.04262	0.0006	0.1788	287	4.5	269	3.7	426	37	269.0	3.7	6.3	Single Age					
SFB49_107	851	1.77		1.312	0.029	0.1302	0.0025	0.90911	850	13	789	15	1010	19	789.0	15.0	7.2	Single Age					
SFB49_110	189	1.114		0.594	0.01	0.07587	0.00074	0.13022	473.3	6.5	471.4	4.4	490	34	471.4	4.4	0.4	Single Age					
SFB49_119	44.5	0.772		1.523	0.045	0.0467	0.0012	0.27642	937	18	294.1	7.6	3112	51	DISC	DISC	68.6	Single Age					
SFB49_120	101.9	0.734		1.314	0.043	0.05584	0.00077	0.55896	851	19	350.2	4.7	2556	45	DISC	DISC	58.8	Single Age					
SFB49_2_1	367	4.72		0.5338	0.0095	0.0683	0.0012	0.28768	433.9	6.2	426	7.2	488	29	426.0	7.2	1.8	Single Age					
SFB49_2_7	106.9	0.2841		0.407	0.01	0.0526	0.00079	0.13215	345.8	7.3	330.4	4.8	442	52	330.4	4.8	4.5	Single Age					
SFB49_2_8	85.1	0.973		1.698	0.023	0.1652	0.0018	0.007856	1007	8.6	985.4	9.8	1049	23	1049.0	23.0	6.1	Single Age					
SFB49_2_14	556	1.227		0.3032	0.0059	0.0406	0.00088	0.58361	269.1	4.7	256.5	5.4	315	43	256.5	5.4	4.7	Single Age					
SFB49_2_16	88.3	0.731		0.3659	0.0072	0.05057	0.00068	0.098271	316.2	5.4	318	4.2	306	45	318.0	4.2	0.6	Single Age					
SFB49_2_23	11.39	0.99		no value	NAN	no value	NAN	#VALUE!	no value	NAN	no value	NAN	no value	NAN	4426	46	#VALUE!	#VALUE!	#VALUE!	Single Age			
SFB49_2_41	325	1.571		0.3436	0.0047	0.0476	0.00047	0.43578	299.8	3.5	299.8	2.9	302	29	299.8	2.9	0.0	Single Age					
SFB49_2_43	975	10.2		0.593	0.012	0.0757	0.0015	0.65382	472.7	7.7	470.6	8.8	500	32	470.6	8.8	0.4	Rim					
SFB49_2_43	136.3	0.582		0.931	0.014	0.1091	0.0012	0.52989	668	7.2	667.8	7.2	672	31	667.8	7.2	0.0	Core					
SFB49_2_45	287	1.321		0.3881	0.0043	0.05292	0.00037	0.25771	332.9	3.1	332.4	2.3	334	24	332.4	2.3	0.2	Single Age					

09SFB29-18	280	3.7	0.3368	0.012	0.0463	0.0011	0.60045	294.4	9.2	291.5	6.5	303	22	291.5	6.5	1.0	Single Age
09SFB29-19	950	4.84	0.3213	0.012	0.0445	0.0012	0.81137	283.4	9.0	280.6	7.2	291	19	280.6	7.2	1.0	Single Age
09SFB29-20	277	2.098	0.488	0.015	0.0644	0.0017	0.78301	403.1	10.0	403.0	10.0	414	24	403.0	10.0	0.0	Single Age
09SFB29-21	170	16.8	0.79	0.025	0.0937	0.0027	0.75457	590.0	14.0	577.0	16.0	626	27	577.0	16.0	2.2	Single Age
09SFB29-22	353	3.57	0.3667	0.013	0.0496	0.0015	0.61678	316.8	9.5	312.3	9.0	363	31	312.3	9.0	1.4	Single Age
09SFB29-23	303	1.174	0.873	0.02	0.1054	0.0029	0.74123	636.4	11.0	645.0	17.0	634	21	645.0	17.0	-1.4	Single Age
09SFB29-24	1,342	0.825	31.5	2.3	0.311	0.024	0.74451	3523.0	69.0	1720.0	120.0	4792	41	DISC	DISC	64.1	Single Age
09SFB29-25	503	6.39	0.3026	0.011	0.0427	0.0014	0.72879	268.2	8.9	269.8	8.8	279	25	269.8	8.8	-0.6	Single Age
09SFB29-26	626	2.898	0.334	0.013	0.0463	0.0016	0.68978	293.1	9.8	291.9	10.0	321	30	291.9	10.0	0.4	Single Age
09SFB29-27	236	1.8	0.594	0.02	0.076	0.0021	0.68771	472.0	13.0	472.0	13.0	468	31	472.0	13.0	0.0	Single Age
09SFB29-28	288	3.64	0.3561	0.012	0.0497	0.0015	0.56338	308.9	9.3	312.8	9.5	336	28	312.8	9.5	-1.3	Single Age
09SFB29-29	239	1.244	0.325	0.014	0.0456	0.0015	0.60862	285.2	11.0	287.2	9.4	279	33	287.2	9.4	-0.7	Single Age
09SFB29-30	357	3.04	0.55	0.13	0.0516	0.002	0.89087	390.0	57.0	324.0	12.0	560	200	DISC	DISC	16.9	Single Age
09SFB29-31	489	22.4	0.455	0.026	0.0594	0.0026	0.82552	378.0	17.0	372.0	16.0	399	32	372.0	16.0	1.6	Single Age
09SFB29-32	898	16.52	1.364	0.034	0.1407	0.004	0.91548	872.0	14.0	848.0	23.0	917	11	848.0	23.0	2.8	Single Age
09SFB29-33	316	3.766	0.619	0.018	0.0782	0.0021	0.80228	488.3	11.0	485.0	12.0	488	14	485.0	12.0	0.7	Single Age
09SFB29-34	105.1	1.29	0.3199	0.013	0.0453	0.0014	0.50352	281.0	10.0	285.7	8.7	275	34	285.7	8.7	-1.5	Single Age
09SFB29-35	391	82.5	0.409	0.014	0.0558	0.0015	0.71328	348.0	9.9	349.8	9.4	318	24	349.8	9.4	-0.5	Single Age
09SFB29-36	874	7.49	0.3379	0.012	0.0475	0.0013	0.72472	296.1	9.3	299.0	8.2	285	22	299.0	8.2	-1.0	Single Age
09SFB29-37	825	2.04	0.552	0.023	0.041	0.0014	0.67822	446.0	15.0	258.8	8.7	1551	47	DISC	DISC	42.0	Single Age
09SFB29-38	339	1.9	1.084	0.036	0.1195	0.0038	0.88415	747.0	17.0	727.0	22.0	777	20	727.0	22.0	2.7	Single Age
09SFB29-39	327	2.357	0.3563	0.012	0.0491	0.0015	0.59533	309.2	9.2	308.6	8.9	333	26	308.6	8.9	0.2	Single Age
09SFB29-40	944	2.2	0.2998	0.011	0.042	0.0014	0.70672	266.0	8.7	265.4	8.7	262	19	265.4	8.7	0.2	Single Age
09SFB29-41	515	2.086	0.3741	0.013	0.0513	0.0016	0.7059	322.3	9.5	322.5	9.6	335	23	322.5	9.6	-0.1	Single Age
09SFB29-42	324	10.75	0.604	0.016	0.0774	0.0021	0.68709	479.1	10.0	480.0	13.0	482	25	480.0	13.0	-0.2	Single Age
09SFB29-43	308	1.849	0.3243	0.012	0.0454	0.0015	0.58563	284.9	9.0	286.0	9.0	297	25	286.0	9.0	-0.4	Single Age
09SFB29-44	166.7	1.204	5.41	0.14	0.3188	0.0094	0.88639	1886.0	23.0	1781.0	46.0	1999	17	1999.0	17.0	10.9	Single Age
09SFB29-45	1157	2.92	0.3261	0.012	0.0446	0.0014	0.82112	286.4	8.9	281.0	8.7	327	20	281.0	8.7	1.9	Single Age
09SFB29-46	522	2.159	0.3411	0.012	0.0471	0.0015	0.78585	297.6	9.4	296.4	9.1	318	21	296.4	9.1	0.4	Single Age
09SFB29-47	714	3.05	0.3276	0.012	0.0453	0.0014	0.68427	287.4	9.2	285.4	8.4	291	20	285.4	8.4	0.7	Single Age
09SFB29-48	204	2.161	0.3149	0.013	0.0449	0.0014	0.60438	277.6	9.7	282.9	8.4	281	30	282.9	8.4	-1.9	Single Age
09SFB29-49	248	5.98	0.572	0.017	0.0746	0.0022	0.65461	458.5	11.0	464.0	13.0	502	26	464.0	13.0	-1.2	Single Age
09SFB29-50	213.4	5.3	0.571	0.017	0.0726	0.0022	0.64706	458.0	11.0	451.0	13.0	489	25	451.0	13.0	1.5	Single Age
09SFB29-51	599	2.401	0.405	0.015	0.0549	0.0017	0.70927	345.0	11.0	344.3	11.0	352	27	344.3	11.0	0.2	Single Age
09SFB29-52	1093	3.58	0.3402	0.012	0.0462	0.0016	0.79608	297.1	8.9	291.3	9.6	333	21	291.3	9.6	2.0	Single Age
09SFB29-53	633	0.448	0.35	0.052	0.0574	0.003	0.80473	376.0	11.0	359.0	12.0	505	26	359.0	12.0	4.5	Single Age
09SFB29-54	131.6	2.06	0.369	0.016	0.052	0.0015	0.62016	318.1	12.0	326.5	9.3	264	38	326.5	9.3	-2.6	Single Age
09SFB29-55	314	2.03	0.3441	0.013	0.0475	0.0015	0.76708	300.7	9.8	299.1	9.1	290	20	299.1	9.1	0.5	Single Age
09SFB29-56	294	4.72	0.707	0.041	0.0836	0.0056	0.96177	541.0	24.0	516.0	34.0	652	26	516.0	34.0	4.6	Single Age
09SFB29-57	130	1.51	0.738	0.021	0.0906	0.0024	0.58542	561.0	12.0	559.0	14.0	606	25	559.0	14.0	0.4	Single Age
09SFB29-58	325	2.961	0.3283	0.012	0.0464	0.0014	0.63007	288.0	9.0	292.0	8.5	272	26	292.0	8.5	-1.4	Single Age
09SFB29-59	220	10.49	1.818	0.077	0.1444	0.0052	0.88258	1048.0	28.0	872.0	29.0	1445	27	DISC	DISC	39.7	Single Age
09SFB29-60	166.4	1.262	0.334	0.014	0.0456	0.0015	0.46297	293.1	11.0	287.6	9.2	346	33	287.6	9.2	1.9	Single Age
09SFB29-61	912	3.17	0.3361	0.012	0.0466	0.0014	0.72525	293.9	8.8	293.3	8.4	294	21	293.3	8.4	0.2	Single Age
09SFB29-62	133.9	1.413	0.857	0.025	0.1024	0.0027	0.64216	627.0	14.0	628.0	16.0	616	27	628.0	16.0	-0.2	Single Age
09SFB29-63	272	2.05	0.744	0.022	0.0911	0.0026	0.70414	565.0	13.0	562.0	15.0	598	20	562.0	15.0	0.5	Single Age
09SFB29-64	252	1.797	0.3307	0.013	0.0451	0.0013	0.50257	289.6	10.0	284.3	7.8	365	27	284.3	7.8	1.8	Single Age
09SFB29-65	223.5	3.078	0.3524	0.013	0.0488	0.0016	0.563	306.1	9.8	308.9	9.9	321	29	306.8	9.9	-0.2	Single Age
09SFB29-66	565	8.24	0.3358	0.012	0.0466	0.0015	0.70357	293.6	9.3	293.3	9.5	312	25	293.3	9.5	0.1	Single Age
09SFB29-67	354	2.652	0.352	0.014	0.0482	0.0015	0.61601	306.7	11.0	303.4	9.3	314	36	303.4	9.3	1.1	Single Age
09SFB29-68	18.98	1.721	0.18	0.019	0.0255	0.0014	0.22506	166.0	17.0	162.1	9.1	639	98	162.1	9.1	2.3	Single Age
09SFB29-69	1170	4.37	0.274	0.022	0.02078	0.0013	0.75283	243.0	17.0	132.6	7.9	1486	69	DISC	DISC	45.4	Single Age
09SFB29-70	812	2.921	0.3573	0.013	0.0495	0.0015	0.74386	309.8	9.6	311.5	9.3	303	22	311.5	9.3	-0.5	Single Age
09SFB29-71	97.8	11.33	6.22	0.16	0.3596	0.0093	0.87945	2003.0	23.0	1978.0	44.0	2033	16	2033.0	16.0	2.7	Single Age
09SFB29-72	272	14.9	0.661	0.03	0.0829	0.0032	0.87815	513.0	18.0	513.0	19.0	518	31	513.0	19.0	0.0	Single Age
09SFB29-73	263	2.38	0.287	0.014	0.0403	0.0015	0.46031	255.3	11.0	254.7	9.2	271	37	254.7	9.2	0.2	Single Age
09SFB29-74	179	1.61	0.353	0.015	0.0491	0.0015	0.4839	308.6	11.0	309.0	9.3	328	39	309.0	9.3	-0.1	Single Age
09SFB29-75	78.1	2.87	0.326	0.016	0.045	0.0015	0.32162	285.9	12.0	283.8	9.4	375	46	283.8	9.4	0.7	Single Age
09SFB29-76	352	8.05	0.578	0.016	0.073	0.0021	0.6598	464.9	10.0	454.0	12.0	512	21	454.0	12.0	2.3	Single Age
09SFB29-77	84.8	2.22	3.42	0.18	0.23	0.01	0.92928	1495.0	41.0	1328.0	54.0	1758	25	DISC	DISC	24.5	Single Age
09SFB29-78	166.9	2.015	0.289	0.014	0.0411	0.0014	0.50691	258.5	11.0	259.8	8.6	307	39	259.8	8.6	-0.5	Single Age
09SFB29-79	351	1.86	0.3362	0.013	0.0469	0.0015	0.71352	293.9	9.6	295.3	9.1	288	23	295.3	9.1	-0.5	Single Age
09SFB29-80	196	0.844	3.05	0.15	0.0707	0.0026	0.38774	1418.0	39.0	440.0	16.0	3554	50	DISC	DISC	69.0	Single Age
09SFB29-81	45	5.04	1.243	0.042	0.132	0.0036	0.53579	101.0	19.0	799.0	20.0	854	36	799.0	20.0	2.2	Single Age
09SFB29-82	19.52	1.171	1.901	0.078	0.176	0.0048	0.59201	882.0	27.0	1044.0	26.0	1115	33	1115.0	33.0	6.4	Single Age
09SFB29-83	690	1.587	0.778	0.023	0.0939	0.0026	0.75785	583.0	13.0	578.0	15.0	601	18	578.0	15.0	0.9	Single Age
09SFB29-84	214	2.65	0.356	0.015	0.0471	0.0015	0.52995	308.4	11.0	296.5	9.0	307	35	296.5	9.0	3.9	Single Age
09SFB29-85	428	2.038	0.433	0.015	0.0551	0.0017	0.74119	365.5	10.0	345.5	10.0	501	27	345.5	10.0	5.5	Single Age
09SFB29-86	557	1.725	0.3415	0.013	0.0469	0.0015	0.74852	298.7	9.5	295.6	8.9	306	23	295.6	8.9	1.0	Single Age
09SFB29-87	84.3	1.443	0.416	0.019	0.0519	0.0019	0.52535	352.0	14.0	326.0	12.0	532	51	326.0	12.0	7.4	Single Age
09SFB29-88	213																

SFB05_35	243	24.1	5.63	0.13	0.3441	0.0058	0.83054	1920	20	1906	28	1961	24	1961.0	24.0	2.8	Single Age
SFB05_36	517.5	1.87	0.8415	0.0099	0.0993	0.0012	0.75741	619.7	5.5	610.1	7	653	18	610.1	7.0	1.5	Single Age
SFB05_37	883	1.427	0.3131	0.0027	0.04351	0.00038	0.58023	276.9	2.1	274.5	2.3	309	18	274.5	2.3	0.9	Single Age
SFB05_40	970	1.871	0.3076	0.0031	0.04289	0.0004	0.67776	272.3	2.4	270.7	2.5	283	17	270.7	2.5	0.6	Single Age
SFB05_41	6620	2.6	0.1974	0.006	0.01459	0.00079	0.3295	182.9	5	93.4	5	1602	99	DISC	DISC	48.9	Rim
SFB05_41	804	1.661	0.3335	0.006	0.04644	0.00079	0.59688	292.2	4.5	292.6	4.9	303	37	292.6	4.9	-0.1	Core
SFB05_42	1498	3.499	0.2519	0.0059	0.03323	0.00094	0.75607	228	4.8	210.7	5.9	420	38	210.7	5.9	7.6	Single Age
SFB05_43	537	1.85	0.3361	0.0047	0.04682	0.00067	0.64156	294.5	3.5	294.9	4.1	292	27	294.9	4.1	-0.1	Single Age
SFB05_44	462.4	0.669	0.3132	0.0032	0.04376	0.00034	0.52147	276.9	2.6	276.1	2.1	282	22	276.1	2.1	0.3	Single Age
SFB05_46	158.7	1.267	0.849	0.016	0.09889	0.00088	0.47794	623.6	8.8	607.9	5.2	687	33	607.9	5.2	2.5	Single Age
SFB05_47	318	1.8	0.346	0.0058	0.04767	0.00072	0.42739	301.5	4.4	300.2	4.4	311	33	300.2	4.4	0.4	Single Age
SFB05_49	1077	1.341	0.3224	0.0035	0.04484	0.00056	0.67075	283.7	2.7	282.7	3.5	316	21	282.7	3.5	0.4	Single Age
SFB05_50	103.1	1.509	0.3136	0.0053	0.04429	0.00051	0.041537	276.8	4.1	279.4	3.1	258	45	279.4	3.1	-0.9	Single Age
SFB05_51	807	1.523	0.3251	0.0034	0.04504	0.00038	0.46655	285.8	2.6	284	2.3	321	23	284.0	2.3	0.6	Single Age
SFB05_52	1364	1.689	0.3127	0.002	0.04226	0.00028	0.36378	276.3	1.5	266.8	1.7	375	17	266.8	1.7	3.4	Single Age
SFB05_53	828	1.84	0.3363	0.0072	0.0462	0.0011	0.53926	294.3	5.5	291.4	6.9	360	54	291.4	6.9	1.0	Single Age
SFB05_54	612	2.68	0.2865	0.0041	0.03943	0.00043	0.55873	255.7	3.2	249.3	2.7	327	31	249.3	2.7	2.5	Single Age
SFB05_56	512.4	2.379	0.3303	0.0077	0.04505	0.00054	0.4831	289.7	5.9	284.1	3.4	348	41	284.1	3.4	1.9	Single Age
SFB05_57	263.6	9.59	0.508	0.013	0.063	0.0011	0.17049	416.8	9	394	6.7	564	54	394.0	6.7	5.5	Single Age
SFB05_59	205.1	5.64	0.571	0.013	0.07332	0.00092	0.31664	458.4	8.6	456.1	5.6	472	53	456.1	5.6	0.5	Single Age
SFB05_60	536	2.56	0.5114	0.0097	0.0644	0.0012	0.69371	419.2	6.5	402.5	7.3	496	29	402.5	7.3	4.0	Single Age
SFB05_62	7970	6.01	0.1573	0.0098	0.017	0.0016	0.72332	148.3	8.7	108.7	9.9	860	130	DISC	DISC	26.7	Rim
SFB05_62	799	2.087	0.3325	0.0063	0.04455	0.00082	0.61089	291.4	4.8	281	5.1	371	31	281.0	5.1	3.6	Core
SFB05_63	910	2.07	0.3094	0.0045	0.04275	0.00062	0.7749	273.6	3.5	269.9	3.8	303	22	269.9	3.8	1.4	Single Age
SFB05_64	429	3.28	0.5315	0.0088	0.06868	0.00083	0.47104	432.7	5.9	428.2	5	467	34	428.2	5.0	1.0	Single Age
SFB05_65	254	0.728	0.3192	0.0068	0.04435	0.00073	0.67388	281	5.3	279.7	4.5	288	36	279.7	4.5	0.5	Single Age
SFB05_66	551	1.818	0.3434	0.0041	0.04436	0.00049	0.30849	299.7	3.1	279.8	3	459	29	279.8	3.0	6.6	Single Age
SFB05_67	126	1.36	0.3167	0.005	0.04393	0.0005	0.029947	279.2	3.8	277.1	3.1	295	47	277.1	3.1	0.8	Single Age
SFB05_68	93.3	0.974	0.3084	0.009	0.04211	0.00073	0.01	272.6	7	265.9	4.5	321	71	265.9	4.5	2.5	Single Age
SFB05_69	277	1.253	0.3447	0.0042	0.04773	0.0004	0.26879	300.6	3.2	300.6	2.5	301	27	300.6	2.5	0.0	Single Age
SFB05_70	850	1.686	0.425	0.028	0.04329	0.0006	0.5	357	20	273.2	3.7	900	150	DISC	DISC	23.5	Single Age
SFB05_71	101.8	1.398	0.3207	0.0075	0.04504	0.00061	0.2894	282.2	5.7	284	3.8	271	58	284.0	3.8	-0.6	Single Age
SFB05_72	203	3.274	0.3394	0.0051	0.04674	0.00046	0.32831	296.6	3.9	294.5	2.8	299	37	294.5	2.8	0.7	Single Age
SFB05_73	340	14.8	0.353	0.033	0.0485	0.005	0.97156	306	24	305	3.1	327	53	DISC	DISC	0.3	Rim
SFB05_73	130.1	0.9183	0.925	0.016	0.1064	0.0011	0.43646	665	8.3	651.7	6.6	702	33	651.7	6.6	2.0	Core
SFB05_74	253	1.171	1.226	0.021	0.1334	0.0028	0.79886	612	9.5	807	16	811	31	807.0	16.0	0.6	Single Age
SFB05_75	1110	47.8	0.4	0.02	0.0551	0.0026	0.90253	341	15	346	16	318	53	346.0	16.0	-1.5	Rim
SFB05_75	332	9.98	0.5937	0.0066	0.07674	0.00076	0.61703	473.1	4.2	476.6	4.8	470	21	476.6	4.6	-0.7	Core
SFB05_76	415	2.979	0.169	0.01	0.0242	0.00068	0.25676	158.4	9	154.1	4.3	220	140	154.1	4.3	2.7	Rim
SFB05_76	462	0.976	0.3239	0.0033	0.04452	0.00052	0.54743	284.9	2.5	280.8	3.2	303	26	280.8	3.2	1.4	Core
SFB05_77	213.1	1.63	0.3503	0.0066	0.04783	0.00074	0.41971	304.8	5	301.2	4.6	329	40	301.2	4.6	1.2	Single Age
SFB05_78	499	13.26	0.943	0.015	0.1078	0.0016	0.81955	674.2	8.1	659.8	9.1	709	19	659.8	9.1	2.1	Single Age
SFB05_79	819	1.635	0.3	0.0051	0.03989	0.00069	0.46251	266.3	4	252.1	4.3	369	43	252.1	4.3	5.3	Rim
SFB05_79	544	1.274	0.327	0.0046	0.045	0.0005	0.26302	287.2	3.5	283.8	3.1	299	35	283.8	3.1	1.2	Core
SFB05_80	287	1.757	0.3399	0.0044	0.04665	0.00053	0.29189	297	3.3	293.9	3.3	321	34	293.9	3.3	1.0	Single Age
SFB05_81	395	1.78	0.3923	0.0071	0.05384	0.0007	0.33398	336	5.2	338.1	4.3	322	35	338.1	4.3	-0.6	Single Age
SFB05_82	907	1.951	0.349	0.012	0.04302	0.00071	0.59857	303.9	9.2	271.5	4.4	559	58	DISC	DISC	10.7	Single Age
SFB05_83	849	2.17	0.2956	0.0036	0.04047	0.00053	0.7726	262.9	2.8	255.7	3.3	301	20	255.7	3.3	2.7	Single Age
SFB05_85	224	2.88	2.269	0.071	0.1905	0.0041	0.65213	1201	22	1124	22	1327	49	1327.0	49.0	15.3	Single Age
SFB05_86	105	2.264	0.3146	0.0062	0.04333	0.0004	0.078754	277.6	4.8	273.4	2.5	347	47	273.4	2.5	1.5	Single Age
SFB05_87	117.7	1.65	0.839	0.021	0.099	0.0014	0.48867	618	11	608.7	8.1	643	52	608.7	8.1	1.5	Single Age
SFB05_88	211.3	1.375	0.3243	0.0056	0.04493	0.00044	0.23941	285.1	4.3	283.3	2.7	291	41	283.3	2.7	0.6	Single Age
SFB05_89	660	2.046	0.3434	0.0048	0.0466	0.00061	0.54965	299.7	3.6	293.6	3.8	334	28	293.6	3.8	2.0	Single Age
SFB05_90	79.6	1.56	0.3158	0.0077	0.04413	0.00055	0.16526	278.3	5.9	278.3	3.4	260	52	278.3	3.4	0.0	Single Age
SFB05_92	157.4	1.654	0.3944	0.007	0.05235	0.00062	0.14896	337.4	5.1	328.9	3.8	398	45	328.9	3.8	2.5	Single Age
SFB05_93	2350	4.02	0.2582	0.0048	0.03419	0.00056	0.88334	233.8	4	216.7	3.5	400	20	216.7	3.5	7.3	Single Age
SFB05_94	113.5	2.588	0.313	0.0056	0.04359	0.00057	0.14101	276.4	4.4	275	3.5	288	47	275.0	3.5	0.5	Single Age
SFB05_95	1478	1.096	0.3329	0.007	0.0387	0.00061	0.038807	292.4	5.5	244.7	3.8	711	56	DISC	DISC	16.3	Single Age
SFB05_96	867	2.065	0.3074	0.0043	0.04243	0.00054	0.84889	272.6	3.5	267.9	3.3	304	18	267.9	3.3	1.7	Single Age
SFB05_97	181.9	0.728	0.635	0.01	0.075	0.001	0.1179	498.7	6.4	466.2	6	611	45	466.2	6.0	6.5	Single Age
SFB05_98	51.9	0.9	1.186	0.02	0.127	0.0016	0.19398	793.7	9.4	770.7	9.1	846	37	770.7	9.1	2.9	Single Age
SFB05_99	104.8	1.682	0.3165	0.0073	0.04386	0.00063	0.25169	279.6	5.5	276.7	3.9	269	55	276.7	3.9	1.0	Single Age
SFB05_100	710	3.002	0.3414	0.0029	0.04663	0.0004	0.60003	298.2	2.2	293.8	2.5	328	18	293.8	2.5	1.5	Single Age
SFB05_101	561.9	1.023	0.6722	0.0093	0.0777	0.0013	0.71396	522	5.6	482.7	7.8	688	32	482.7	7.8	7.5	Single Age
SFB05_102	437	1.231	0.3458	0.0056	0.04615	0.00044	0.45023	301.4	4.2	290.8	2.7	398	39	290.8	2.7	3.5	Single Age
SFB05_103	267	2.2	0.3479	0.0062	0.04742	0.00064	0.32002	303	4.7	298.6	3.9	311	40	298.6	3.9	1.5	Single Age
SFB05_104	267.4	0.9586	0.3349	0.0046	0.04588	0.00049	0.32902	293.7	3.6	289.2	3	331	36	289.2	3.0	1.5	Single Age
SFB05_105	37	1.106	0.68	0.018	0.0836	0.001	0.20594	526	11	517.4	6	544	63	517.4	6.0	1.6	Single Age
SFB05_106	670	25.7	0.2628	0.0071	0.0354	0.0012	0.80618	236.8	5.7	224.2	7.6	343	48	224.2	7.6	5.3	Rim
SFB05_106	338	1.91	0.73	0.01	0.0869	0.0012	0.83048	556.2	5.9	537.2	7.3	619	19	537.2	7.3	3.4	Core
SFB05_107	662	3.116	0.3233	0.0039	0.04434	0.0005	0.62439	284.4	3	279.7	3.1	304	23	279.7	3.1	1.7	Single Age
SFB05_108	1162	8.1	0.2545	0.003	0.03505	0.0004											

SFB33_20	320	9.2	0.5787	0.0092	0.0742	0.0012	0.79114	463.4	5.9	461.6	7.5	479	13	461.6	7.5	0.4	Single Age
SFB33_21	331	4.74	0.373	0.016	0.0514	0.0019	0.83671	324	11	323	12	322	15	323.0	12.0	0.3	Rim
SFB33_21	257.8	3.398	0.5598	0.0084	0.07255	0.00083	0.75631	451.3	5.5	451.5	5	451	13	451.5	5.0	0.0	Core
SFB33_22	1010	2.781	0.288	0.0076	0.0391	0.001	0.94935	256.8	6	247.1	6.4	368	14	247.1	6.4	3.8	Single Age
SFB33_23	445.8	1.596	0.3085	0.0041	0.04253	0.00053	0.67702	273	3.2	268.5	3.3	295	14	268.5	3.3	1.6	Single Age
SFB33_24	237	7.57	0.6026	0.0064	0.07701	0.00058	0.29453	479.4	3.9	478.2	3.4	487	13	478.2	3.4	0.3	Single Age
SFB33_25	189	3.94	0.715	0.021	0.0893	0.0023	0.91933	548	13	551	14	511	13	551.0	14.0	-0.5	Single Age
SFB33_26	638	1.85	0.3003	0.0042	0.04103	0.00078	0.86798	266.5	3	259.2	4.8	361	12	259.2	4.8	2.7	Single Age
SFB33_27	449	2.146	0.322	0.0035	0.0451	0.0006	0.68995	283.4	2.7	284.4	3.7	283	15	284.4	3.7	-0.4	Single Age
SFB33_28	1360	4	0.3089	0.0036	0.04298	0.00042	0.71552	273.7	2.9	271.2	2.6	293	8.6	271.2	2.6	0.9	Single Age
SFB33_29	130.8	1.389	0.3366	0.0055	0.04678	0.00065	0.51916	294.4	4.2	294.7	4	286	21	294.7	4.0	-0.1	Single Age
SFB33_30	238.4	2.172	0.3439	0.0054	0.04761	0.00039	0.23506	300.1	4	299.8	2.4	301	19	299.8	2.4	0.1	Single Age
SFB33_31	276.1	5.21	0.584	0.013	0.0754	0.0011	0.45352	466.7	8.1	468.8	6.5	479	23	468.8	6.5	-0.4	Rim
SFB33_31	920	8.3	2.157	0.075	0.1694	0.0043	0.93193	1165	24	1009	24	1501	21	DISC	DISC	32.8	Core
SFB33_32	122	1.256	0.3229	0.0046	0.04426	0.00039	0.37488	284	3.5	279.2	2.4	332	17	279.2	2.4	1.7	Single Age
SFB33_34	267.1	1.273	0.3247	0.0034	0.04581	0.00033	0.31019	285.5	2.6	288.7	2	269	14	288.7	2.0	-1.1	Single Age
SFB33_35	183	2.334	0.3665	0.0045	0.0521	0.00055	0.36523	317	3.3	327.4	3.3	266	20	327.4	3.3	-3.3	Single Age
SFB33_36	244	1.736	0.3211	0.004	0.04484	0.00046	0.38549	282.7	3.1	282.7	2.8	281	15	282.7	2.8	0.0	Single Age
SFB33_37	104.8	1.362	0.3417	0.0065	0.0474	0.0005	0.22409	298.3	4.9	298.5	3.1	302	23	298.5	3.1	-0.1	Single Age
SFB33_38	354	19.12	0.5725	0.0093	0.0732	0.0011	0.81888	460.4	5.8	455.5	6.7	462	11	455.5	6.7	1.1	Single Age
SFB33_39	1120	1.169	0.2782	0.0022	0.03853	0.00029	0.89242	249.2	1.8	243.7	1.8	295.5	7.5	243.7	1.8	2.2	Single Age
SFB33_40	2591	1.537	0.2945	0.0022	0.04055	0.00027	0.54117	262.1	1.7	256.3	1.7	312	10	256.3	1.7	2.2	Single Age
SFB33_41	154	9.8	0.674	0.022	0.0855	0.0024	0.75146	526	15	529	14	524	44	529.0	14.0	-0.6	Rim
SFB33_41	41.94	2.132	1.071	0.026	0.1212	0.0016	0.24232	739	13	737.3	8.9	726	52	737.3	8.9	0.2	Core
SFB33_42	355	2.507	0.3537	0.0053	0.04813	0.00056	0.43746	307.4	3.9	303	3.4	343	31	303.0	3.4	1.4	Single Age
SFB33_43	4840	2.18	0.2044	0.0069	0.0263	0.0011	0.95479	188.7	5.8	167.1	6.6	448	25	DISC	DISC	11.4	Rim
SFB33_43	743	1.815	0.3017	0.0049	0.03789	0.00095	0.79373	267.6	3.8	239.7	5.9	546	30	DISC	DISC	10.4	Core
SFB33_44	180.9	1.116	0.3246	0.0072	0.04462	0.00063	0.24537	285.2	5.5	281.4	3.9	298	55	281.4	3.9	1.3	Single Age
SFB33_45	66.4	1.086	0.3185	0.0072	0.04356	0.00061	0.080175	280.5	5.6	274.9	3.7	341	57	274.9	3.7	2.0	Single Age
SFB33_46	1942	1.585	0.3357	0.0031	0.04535	0.00033	0.56334	293.9	2.4	285.9	2	364	18	285.9	2.0	2.7	Single Age
SFB33_47	398	1.63	0.3392	0.0038	0.04689	0.00046	0.3435	296.9	2.8	295.4	2.8	307	28	295.4	2.8	0.5	Single Age
SFB33_48	318	2.022	0.3119	0.0087	0.04214	0.00098	0.32188	275.5	6.7	266.1	6.1	334	64	266.1	6.1	3.4	Single Age
SFB33_49	806	0.846	0.72	0.065	0.04235	0.00057	0.30245	544	37	267.4	3.5	1910	150	DISC	DISC	50.8	Single Age
SFB33_50	115.6	3.02	0.5526	0.0098	0.07098	0.00079	0.27344	464.4	6.2	442	4.8	457	42	442.0	4.8	1.0	Single Age
SFB33_51	492	1.555	0.5316	0.0038	0.04589	0.00038	0.50947	290.7	2.9	289.2	2.3	296	24	289.2	2.3	0.5	Single Age
SFB33_52	227	1.39	0.623	0.0087	0.07135	0.00078	0.34042	481.5	5.4	444.3	4.7	724	25	444.3	4.7	9.6	Single Age
SFB33_53	481	1.496	0.3404	0.0046	0.04682	0.00046	0.47189	287.4	3.5	293.7	2.8	319	31	293.7	2.8	1.2	Single Age
SFB33_54	294.7	2.87	0.572	0.0053	0.07409	0.00064	0.44833	459.2	3.4	460.7	3.8	457	21	460.7	3.8	-0.3	Single Age
SFB33_55	236	1.239	0.3308	0.0044	0.04598	0.00042	0.12109	290.1	3.3	289.8	2.6	304	35	289.8	2.6	0.1	Single Age
SFB33_56	692	19.2	0.647	0.026	0.0788	0.0017	0.83553	506	16	489	10	597	57	489.0	10.0	3.4	Rim
SFB33_56	60.9	1.023	4.83	0.11	0.2994	0.0052	0.66903	1790	19	1688	26	1893	34	1893.0	34.0	10.8	Core
SFB33_57	377	2.75	0.3093	0.0043	0.04267	0.00045	0.53775	273.6	3.3	269.4	2.8	307	26	269.4	2.8	1.5	Single Age
SFB33_58	912	2.638	0.2811	0.003	0.03874	0.00035	0.30356	251.8	2.3	245	2.1	337	18	245.0	2.1	2.7	Single Age
SFB33_59	208.7	4.151	0.5707	0.0086	0.07302	0.00075	0.17007	458.3	5.6	454.3	4.5	462	39	454.3	4.5	0.9	Single Age
SFB33_60	446	1.239	0.3703	0.0062	0.04664	0.00042	0.41799	319.7	4.6	293.8	2.6	495	34	293.8	2.6	8.1	Single Age
SFB33_61	160.4	0.77	1.605	0.021	0.1588	0.0018	0.71094	972	8.1	950	10	1002	22	1002.0	22.0	5.2	Single Age
SFB33_62	3548	7.5	0.2266	0.0057	0.02787	0.00049	0.28291	207.3	4.7	177.2	3.1	547	60	DISC	DISC	14.5	Rim
SFB33_62	1020	2.507	0.3323	0.0066	0.04556	0.00086	0.79439	291.1	5.1	287.2	5.3	325	23	287.2	5.3	1.3	Core
SFB33_63	172.9	3.88	0.583	0.009	0.07453	0.00084	0.33923	466.2	5.7	463.4	5	460	33	463.4	5.0	0.6	Single Age
SFB33_64	911	1.605	0.3181	0.0027	0.04354	0.00032	0.53531	280.4	2.1	274.7	2	322	20	274.7	2.0	2.0	Single Age
SFB33_65	368	1.706	0.3397	0.0046	0.04612	0.00052	0.62699	297.4	3.4	290.6	3.2	352	25	290.6	3.2	2.3	Single Age
SFB33_66	417.9	1.208	0.3275	0.0042	0.04552	0.00045	0.59114	287.5	3.2	286.9	2.8	283	26	286.9	2.8	0.2	Single Age
SFB33_67	519	2.247	0.3343	0.0036	0.04587	0.00035	0.58436	292.8	2.7	289.1	2.1	307	20	289.1	2.1	1.3	Single Age
SFB33_68	194	1.283	0.603	0.014	0.07265	0.00065	0.16034	478.4	8.5	452.1	3.9	585	49	452.1	3.9	5.5	Single Age
SFB33_69	32.3	0.675	1.849	0.045	0.1787	0.0025	0.23975	1062	16	1060	14	1096	54	1096.0	54.0	3.3	Single Age
SFB33_70	541	1.565	0.3539	0.0042	0.04909	0.00039	0.49223	307.5	3.1	308.9	2.4	308	23	308.9	2.4	-0.5	Single Age
SFB33_71	558	3.75	0.5927	0.0091	0.0764	0.0011	0.60581	472.5	5.8	474.8	6.6	468	33	474.8	6.6	-0.5	Rim
SFB33_71	285	1.31	0.877	0.017	0.1015	0.0018	0.79194	638.9	9.3	623	11	679	22	623.0	11.0	2.5	Core
SFB33_72	815	0.793	0.3276	0.0036	0.04522	0.00047	0.70101	287.7	2.7	285.1	2.9	317	16	285.1	2.9	0.9	Single Age
SFB33_73	120.3	1.327	0.3259	0.0068	0.04408	0.00042	0.18022	286.2	5.2	278.1	2.6	343	50	278.1	2.6	2.8	Single Age
SFB33_74	433	1.2098	0.3477	0.0034	0.04775	0.00037	0.28207	303.3	2.5	301	2.3	317	23	301.0	2.3	0.8	Single Age
SFB33_75	1049	1.397	0.2909	0.0031	0.03912	0.00041	0.66717	259.2	2.4	247.4	2.6	354	20	247.4	2.6	4.6	Single Age
SFB33_76	179	1.167	0.3213	0.0053	0.04414	0.00047	0.38058	282.8	4.1	278.4	2.9	296	39	278.4	2.9	1.6	Single Age
SFB33_77	246.9	1.326	0.3564	0.0045	0.04894	0.00044	0.018508	309.4	3.4	308	2.7	300	33	308.0	2.7	0.5	Single Age
SFB33_78	218	1.071	0.3353	0.006	0.04652	0.00077	0.40608	293.5	4.6	293.1	4.7	315	42	293.1	4.7	0.1	Single Age
SFB33_79	585	1.162	0.3384	0.0058	0.04645	0.00067	0.63009	295.9	4.4	292.7	4.1	316	30	292.7	4.1	1.1	Single Age
SFB33_81	544	1.92	0.3405	0.0024	0.04696	0.00033	0.29808	297.5	1.8	295.8	2	308	19	295.8	2.0	0.6	Single Age
SFB33_82	132	1.936	0.3129	0.0054	0.04399	0.00051	0.3426	276.2	4.2	277.5	3.2	254	40	277.5	3.2	-0.5	Single Age
SFB33_83	886	1.913	0.3129	0.0054	0.03649	0.00059	-0.29905	276.3	4.2	231	3.7	674	61	DISC	DISC	16.4	Single Age
SFB33_84	553.3	2.001	0.3255	0.0054	0.0448	0.00034	0.1549	286.1	4.1	282.5	2.1	318	39	282.5	2.1	1.3	Single Age
SFB33_85	418	2.45	0.3438	0.0041	0.04724	0.00047	0.34092	300	3.1	297.6	2.9	312	28	297.6	2.9	0.8	Single Age
SFB33_86	475	4.5	0.6141	0.0073	0.07818	0.00065	0.3516	486</									

09SFB33-20	187	11.35	0.5958	0.015	0.07626	0.0019	0.49452	475.0	9.6	473.7	12.0	496	16	473.7	12.0	0.3	Single Age
09SFB33-21	141	8.1	0.467	0.018	0.0635	0.0024	0.79415	388.9	12.0	396.5	15.0	359	19	396.5	15.0	-2.0	Single Age
09SFB33-22	130.2	2.11	0.607	0.03	0.0762	0.0032	0.90707	482.0	19.0	473.0	19.0	536	29	473.0	19.0	1.9	Single Age
09SFB33-23	999	5.02	0.3382	0.014	0.04648	0.0019	0.73487	295.8	11.0	292.8	12.0	328	12	292.8	12.0	1.0	Single Age
09SFB33-24	530	4.66	0.3169	0.014	0.04337	0.0019	0.64156	279.4	11.0	273.7	12.0	342	14	273.7	12.0	2.0	Single Age
09SFB33-25	278	11.44	0.601	0.018	0.0762	0.0024	0.88417	477.5	12.0	473.3	14.0	508	15	473.3	14.0	0.9	Single Age
09SFB33-26	567	62.7	0.708	0.025	0.0858	0.0027	0.8794	542.0	15.0	530.0	16.0	608	22	530.0	16.0	2.2	Single Age
09SFB33-27	266	1.87	1.12	0.13	0.0911	0.0061	0.85153	729.0	51.0	561.0	36.0	1334	84	DISC	DISC	23.0	Single Age
09SFB33-28	266	1.636	0.324	0.014	0.04365	0.0018	0.38225	284.9	11.0	275.4	11.0	385	20	275.4	11.0	3.3	Single Age
09SFB33-29	215	10.9	0.5606	0.016	0.0724	0.0021	0.63085	451.7	10.0	450.3	12.0	480	15	450.3	12.0	0.3	Single Age
09SFB33-30	299	6.28	0.412	0.017	0.04363	0.002	0.75195	349.7	12.0	275.2	12.0	905	23	DISC	DISC	21.3	Single Age
09SFB33-31	16.46	5.77	0.945	0.038	0.1095	0.0042	0.6225	675.0	19.0	669.0	24.0	691	48	669.0	24.0	0.9	Single Age
09SFB33-32	24.76	1.044	0.132	0.018	0.00848	0.0018	0.01	125.0	16.0	54.5	12.0	1850	170	DISC	DISC	56.4	Single Age
09SFB33-33	20.6	9.9	1.061	0.035	0.1297	0.0035	0.53232	735.0	16.0	786.0	20.0	622	34	786.0	20.0	-6.9	Single Age
09SFB33-34	230	2.104	0.3942	0.015	0.05229	0.0019	0.2866	337.2	11.0	328.6	12.0	384	25	328.6	12.0	2.6	Single Age
09SFB33-35	293	1.926	0.607	0.028	0.0801	0.0038	0.94438	480.0	18.0	496.0	23.0	426	16	496.0	23.0	-3.3	Single Age
09SFB33-36	580	19.3	0.593	0.017	0.0756	0.0022	0.80212	472.1	11.0	469.5	13.0	484	13	469.5	13.0	0.6	Single Age
09SFB33-37	134	1.67	1.571	0.055	0.1607	0.0049	0.90849	961.0	22.0	960.0	27.0	981	13	981.0	13.0	2.1	Single Age
09SFB33-38	96.1	3.62	0.578	0.017	0.0745	0.0021	0.3446	463.0	11.0	463.3	13.0	476	27	463.3	13.0	-0.1	Single Age
09SFB33-39	256.7	3.02	0.3231	0.014	0.04501	0.0019	0.43802	284.2	11.0	283.8	12.0	292	17	283.8	12.0	0.1	Single Age
09SFB33-40	460	4.83	0.3375	0.014	0.04611	0.0019	0.44166	295.6	11.0	290.6	11.0	359	20	290.6	11.0	1.7	Single Age
09SFB33-41	276	3.35	0.3022	0.015	0.04063	0.002	0.75537	268.5	12.0	256.7	13.0	371	24	256.7	13.0	4.4	Single Age
09SFB33-42	342.8	3.363	0.3249	0.014	0.04594	0.0019	0.49294	285.6	11.0	289.5	11.0	264	15	289.5	11.0	-1.4	Single Age
09SFB33-43	71.8	2.562	0.811	0.082	0.087	0.0059	0.96189	585.0	45.0	536.0	35.0	739	77	536.0	35.0	8.4	Single Age
09SFB33-44	295.3	3.959	0.3248	0.014	0.0447	0.0019	0.53025	285.5	11.0	281.9	12.0	329	25	281.9	12.0	1.3	Single Age
09SFB33-45	109.8	2.753	1.935	0.026	0.1872	0.0033	0.53866	1092.9	9.1	1106.0	18.0	1061	14	1061.0	14.0	-4.2	Single Age
09SFB33-46	390	3.25	0.3696	0.015	0.04629	0.0019	0.57934	319.3	11.0	291.7	12.0	517	20	291.7	12.0	8.6	Single Age
09SFB33-47	269	2.394	0.477	0.017	0.061	0.0023	0.8093	395.4	12.0	381.7	14.0	453	20	381.7	14.0	3.5	Single Age
09SFB33-48	221.5	2.213	0.3118	0.015	0.04314	0.0019	0.56351	275.4	11.0	272.2	12.0	278	16	272.2	12.0	1.2	Single Age
09SFB33-49	1220	28.7	0.0531	0.003	0.96425	0.0034	0.96425	346.0	15.0	334.0	18.0	433	17	334.0	18.0	3.5	Single Age
09SFB33-50	518	4.09	0.544	0.018	0.0505	0.0022	0.01	440.8	12.0	317.8	14.0	1114	77	DISC	DISC	27.9	Single Age
09SFB33-52	246	4.24	0.57	0.018	0.0714	0.0023	0.63653	458.6	12.0	444.3	14.0	539	21	444.3	14.0	3.1	Single Age
09SFB33-53	334	3.77	0.342	0.015	0.04554	0.002	0.59665	298.5	11.0	287.1	12.0	380	21	287.1	12.0	3.8	Single Age
09SFB33-54	386	10.42	0.3339	0.015	0.04614	0.002	0.54134	292.4	11.0	290.8	12.0	286	14	290.8	12.0	0.5	Single Age
09SFB33-55	801	3.02	0.3282	0.014	0.0404	0.0022	0.58746	288.1	11.0	255.2	13.0	528	40	DISC	DISC	11.4	Single Age
09SFB33-56	129	6.73	0.495	0.019	0.0632	0.0026	0.6748	407.8	13.0	395.0	16.0	504	26	395.0	16.0	3.1	Single Age
09SFB33-57	522	4.498	0.3805	0.015	0.04931	0.002	0.72798	327.8	11.0	310.3	13.0	427	18	310.3	13.0	5.3	Single Age
09SFB33-58	366	1.352	0.548	0.018	0.0529	0.0028	0.76609	443.1	12.0	332.0	17.0	1140	40	DISC	DISC	25.1	Single Age
09SFB33-59	619	3.301	0.7197	0.016	0.08695	0.0021	0.71777	550.3	9.5	537.4	12.0	598	10	537.4	12.0	2.3	Single Age
09SFB33-60	107.6	4.32	0.772	0.022	0.1024	0.0026	0.79678	581.0	13.0	628.0	15.0	417	20	628.0	15.0	-8.1	Single Age
09SFB33-61	469	13.9	0.842	0.03	0.099	0.0034	0.9023	620.0	17.0	608.0	20.0	667	15	608.0	20.0	1.9	Single Age
09SFB33-62	313.7	2.57	0.3561	0.015	0.04518	0.002	0.57389	309.1	11.0	284.8	12.0	495	17	284.8	12.0	7.9	Single Age
09SFB33-63	353	2.382	0.3327	0.014	0.04572	0.0019	0.62826	291.5	11.0	288.1	12.0	306	14	288.1	12.0	1.2	Single Age
09SFB33-64	569	0.973	0.3899	0.017	0.04896	0.002	0.78755	333.9	12.0	308.1	12.0	537	28	308.1	12.0	7.7	Single Age
09SFB33-65	183	8.5	0.823	0.038	0.103	0.0036	0.55295	607.0	21.0	632.0	21.0	504	33	632.0	21.0	-4.1	Single Age
09SFB33-66	383	2.143	0.503	0.018	0.06818	0.0021	0.40344	413.0	12.0	425.1	12.0	375	39	425.1	12.0	-2.9	Single Age
09SFB33-67	717	10.67	0.443	0.022	0.0543	0.0027	0.70068	371.0	16.0	341.0	17.0	559	23	341.0	17.0	8.1	Single Age
09SFB33-69	395.8	4.74	0.8603	0.017	0.0779	0.0024	0.22737	514.0	10.0	483.6	14.0	623	25	483.6	14.0	6.0	Single Age
09SFB33-70	229	4.92	1.022	0.054	0.1122	0.005	0.96185	710.0	27.0	685.0	29.0	792	25	685.0	29.0	3.5	Single Age
09SFB33-71	1322	3.218	0.3274	0.015	0.04275	0.002	0.53763	287.4	11.0	269.9	12.0	415	22	269.9	12.0	6.1	Single Age
09SFB33-72	57.8	5.73	0.577	0.025	0.0718	0.0022	0.57767	462.0	16.0	446.9	13.0	518	47	446.9	13.0	3.3	Single Age
09SFB33-73	601	31.6	0.7193	0.017	0.0896	0.0023	0.67468	550.0	10.0	552.9	13.0	516	14	552.9	13.0	-0.5	Single Age
09SFB33-74	705	6.16	0.39	0.024	0.034	0.0037	0.66029	333.0	17.0	215.0	23.0	1310	140	DISC	DISC	35.4	Single Age
09SFB33-75	397	3.7	0.335	0.015	0.04648	0.0021	0.73388	293.2	12.0	292.8	13.0	285	20	292.8	13.0	0.1	Single Age
09SFB33-76	312.4	1.446	0.4084	0.015	0.05386	0.002	0.41032	347.5	11.0	338.2	12.0	389	19	338.2	12.0	2.7	Single Age
09SFB33-77	76.9	3.761	0.543	0.025	0.04399	0.002	0.47383	441.0	17.0	277.5	12.0	1409	59	DISC	DISC	37.1	Single Age
09SFB33-78	132.3	2.647	0.3588	0.015	0.04814	0.002	0.24202	311.1	11.0	303.1	12.0	367	26	303.1	12.0	2.6	Single Age
09SFB33-79	301.6	6.33	0.636	0.025	0.0664	0.0025	0.034374	499.0	15.0	414.0	15.0	924	78	DISC	DISC	17.0	Single Age
09SFB33-80	104.2	2.623	0.318	0.015	0.04383	0.002	0.23945	280.2	12.0	276.5	12.0	331	22	276.5	12.0	1.3	Single Age
09SFB33-81	312	14.85	0.862	0.027	0.1089	0.0029	0.84941	633.0	14.0	666.0	17.0	500	20	666.0	17.0	-5.2	Single Age
09SFB33-82	409	3.74	0.365	0.015	0.04982	0.002	0.4666	315.8	11.0	313.4	12.0	339	21	313.4	12.0	0.8	Single Age
09SFB33-83	72	5.87	0.518	0.036	0.0678	0.005	0.52484	420.0	23.0	422.0	30.0	545	73	422.0	30.0	-0.5	Single Age
09SFB33-84	53.7	6.95	1.119	0.028	0.1299	0.0027	0.52831	762.0	13.0	787.0	15.0	706	27	787.0	15.0	-3.3	Single Age
09SFB33-85	788	2.249	0.3605	0.015	0.0491	0.002	0.54485	312.4	11.0	309.0	12.0	321	17	309.0	12.0	1.1	Single Age
09SFB33-86	132.8	1.768	0.434	0.018	0.0599	0.0025	0.13117	365.9	12.0	375.0	15.0	303	58	375.0	15.0	-2.5	Single Age
09SFB33-87	59.9	1.794	0.463	0.027	0.05842	0.002	0.36336	385.0	18.0	366.0	12.0	461	71	366.0	12.0	4.9	Single Age
09SFB33-88	1270	3.421	0.1632	0.015	0.01663	0.0019	0.070897	153.4	13.0	106.3	12.0	994	89	DISC	DISC	30.7	Single Age
09SFB33-89	220.9	2.07	0.675	0.022	0.0834	0.0024	0.81652	523.0	13.0	516.6	15.0	563	23	516.6	15.0	1.2	Single Age
09SFB33-90	221	3.91	0.3433	0.015	0.04743	0.0019	0.45168	299.5	11.0	298.7	12.0	325	17	298.7	12.0	0.3	Single Age
09SFB33-91	421	5.74	0.4871	0.015	0.06345	0.002	0.67625	402.8	10.0	396.6	12.0	448	12	396.6	12.0		

09SFB33-132	263	4.27	0.5916	0.016	0.07435	0.0021	0.57155	471.7	10.0	462.3	12.0	508	15	462.3	12.0	2.0	Single Age
09SFB33-133	45.6	2.52	0.3286	0.017	0.04524	0.002	0.10449	288.1	13.0	285.2	12.0	323	41	285.2	12.0	1.0	Single Age
09SFB33-134	210.2	1.973	0.3175	0.014	0.04369	0.0019	0.36543	279.9	11.0	275.6	12.0	331	17	275.6	12.0	1.5	Single Age
09SFB33-135	697	3.8	0.3402	0.015	0.04677	0.002	0.65477	297.2	11.0	294.6	12.0	312	14	294.6	12.0	0.9	Single Age
09SFB33-136	612	2.84	0.3403	0.014	0.04721	0.0019	0.57808	297.3	11.0	297.4	12.0	324	18	297.4	12.0	0.0	Single Age
09SFB33-137	649	22	0.5861	0.015	0.07649	0.0021	0.58072	468.2	9.7	475.1	12.0	448	16	475.1	12.0	-1.5	Single Age
09SFB33-138	152.1	2.042	0.3248	0.015	0.04439	0.0019	0.1804	285.5	11.0	280.0	12.0	324	26	280.0	12.0	1.9	Single Age
09SFB33-139	407	5.99	0.648	0.024	0.0808	0.0027	0.90693	506.0	15.0	501.0	16.0	520	18	501.0	16.0	1.0	Single Age
09SFB33-140	413	4.02	0.3625	0.015	0.04732	0.002	0.58887	314.0	11.0	298.0	12.0	432	18	298.0	12.0	5.1	Single Age
09SFB33-141	1020	45.1	0.622	0.017	0.0803	0.0024	0.84441	491.2	11.0	498.0	14.0	466	15	498.0	14.0	-1.4	Single Age
09SFB33-142	285	10	6.2	0.7	0.279	0.025	0.99512	1980.0	100.0	1580.0	130.0	2416	55	DISC	DISC	34.6	Single Age
09SFB33-143	172.9	1.857	0.3365	0.015	0.04561	0.0019	0.30465	294.3	12.0	287.5	12.0	347	34	287.5	12.0	2.3	Single Age
09SFB33-144	410	13.12	0.5597	0.016	0.07202	0.0021	0.63824	451.2	10.0	448.2	13.0	467	16	448.2	13.0	0.7	Single Age
09SFB33-145	496	9.44	0.63	0.021	0.0807	0.0025	0.85072	496.6	13.0	500.2	15.0	492	20	500.2	15.0	-0.7	Single Age
09SFB33-146	416	9.37	0.5753	0.015	0.0731	0.002	0.46728	461.4	9.7	454.8	12.0	490	13	454.8	12.0	1.4	Single Age

Sample Name:		09-SFB-08																					
Lower Freshwater		Molasse lib (21 ± 1 Ma)		Isotopic Ratios					Apparent Ages (Ma)														
Grain #	U		U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or					
	(ppm)	U/Th		235U	(abs.)	238U	(abs.)	Corr.			235U	(Ma)	238U	(Ma)									
SFB08_1	524	3.189	0.3371	0.0035	0.04605	0.00033	0.53981	295	2.7	290.2	2	319	22	290.2	2.0	1.6	Single Age						
SFB08_2	764	1.57	0.3361	0.0025	0.04618	0.00032	0.59651	294.2	1.9	291	1.9	319	13	291.0	1.9	1.1	Single Age						
SFB08_3	1360	10.42	0.686	0.012	0.0824	0.0013	0.92914	530.4	7	510.1	7.7	624	15	510.1	7.7	3.8	Single Age						
SFB08_4	319	1.366	1.0637	0.0065	0.12006	0.00085	0.55714	735.5	3.2	731.5	4.8	750	13	731.5	4.8	0.5	Single Age						
SFB08_5	1076	2.321	0.3246	0.0043	0.03447	0.00046	0.13725	285.4	3.3	218.4	2.9	865	38	DISC	DISC	23.5	Single Age						
SFB08_6	20.48	0.3868	3.339	0.052	0.07484	0.00097	0.37978	1489	12	465.2	5.8	3576	24	DISC	DISC	68.8	Single Age						
SFB08_7	168.7	1.344	0.3162	0.0034	0.04311	0.00035	0.3963	279.2	2.6	272.1	2.1	319	26	272.1	2.1	2.5	Single Age						
SFB08_8	621	6.5	0.372	0.016	0.0421	0.0015	0.53116	320	12	265.6	9	765	57	DISC	DISC	17.0	Single Age						
SFB08_9	479	6.75	1.907	0.025	0.1787	0.0026	0.66069	1083	8.8	1060	14	1117	18	1117.0	18.0	5.1	Rim						
SFB08_9	89.2	2.788	2.132	0.022	0.1979	0.0019	0.58986	1159	7.2	1165.2	9.9	1156	16	1156.0	16.0	-0.8	Core						
SFB08_10	1580	9.2	0.577	0.014	0.0734	0.002	0.96333	462.3	9.3	456	12	498	16	456.0	12.0	1.4	Rim						
SFB08_10	80.2	0.998	0.802	0.012	0.09755	0.00078	0.48512	597.5	6.9	600	4.6	578	30	600.0	4.6	-0.4	Core						
SFB08_11	5150	2.184	0.906	0.08	0.0259	0.0035	-0.5101	653	44	165	22	3330	230	DISC	DISC	74.7	Rim						
SFB08_11	2159	1.787	0.395	0.021	0.039	0.0004	0.42322	337	15	246.6	2.5	993	92	DISC	DISC	26.8	Core						
SFB08_12	3160	3.61	0.2221	0.0094	0.0283	0.001	-0.27402	203.6	7.8	180	6.3	427	97	DISC	DISC	11.6	Rim						
SFB08_12	699	1.959	0.3379	0.0055	0.04583	0.00069	0.87515	298.1	4.2	289.9	4.3	341	16	289.9	4.3	2.4	Core						
SFB08_13	371	1.683	0.3438	0.004	0.04729	0.00044	0.51548	300	3	297.9	2.7	313	23	297.9	2.7	3.7	Single Age						
SFB08_14	267	1.95	0.369	0.0042	0.04999	0.00055	0.33007	318.9	3.1	314.4	3.3	337	26	314.4	3.3	1.4	Single Age						
SFB08_15	2177	1.95	0.195	0.01	0.02426	0.00093	0.828	107.7	8.5	154.5	5.9	559	52	DISC	DISC	14.5	Rim						
SFB08_15	671	2.255	0.3281	0.0035	0.0432	0.00033	0.45022	288.1	2.7	272.6	2	414	22	272.6	2.0	5.4	Core						
SFB08_16	329.6	1.08	0.3159	0.0062	0.04358	0.00069	0.70964	279.2	4.7	274.9	4.2	296	31	274.9	4.2	1.5	Single Age						
SFB08_17	500	6.21	1.398	0.014	0.1399	0.0011	0.73814	887.9	5.9	844.1	6.5	1000	15	844.1	6.5	4.9	Rim						
SFB08_17	327.7	4.84	1.613	0.018	0.1591	0.0014	0.72717	975.2	7	951.5	7.6	1023	15	1023.0	15.0	7.0	Core						
SFB08_18	219	4.08	0.5108	0.0073	0.0686	0.001	0.53696	418.9	4.9	427.4	6.1	412	34	427.4	6.1	-2.0	Single Age						
SFB08_19	693	1.15	0.3339	0.0044	0.04443	0.0003	0.53137	292.4	3.3	280.2	1.9	389	27	280.2	1.9	4.2	Single Age						
SFB08_21	763	2.5	0.3329	0.0029	0.04606	0.00028	0.53576	291.7	2.2	290.3	1.7	307	17	290.3	1.7	0.5	Single Age						
SFB08_22	997	1.09	0.336	0.0053	0.0412	0.00093	0.30347	294.7	3.8	260.3	5.7	574	51	DISC	DISC	11.7	Single Age						
SFB08_23	219	1.38	0.3535	0.0053	0.04706	0.00044	0.59553	307.2	4	296.5	2.7	363	29	296.5	2.7	3.5	Single Age						
SFB08_24	309	1.9	0.3327	0.0042	0.04607	0.0004	0.67668	291.5	3.2	290.4	2.5	299	20	290.4	2.5	0.4	Single Age						
SFB08_25	602	1.472	0.3246	0.0029	0.04455	0.00042	0.2109	285.4	2.2	281	2.6	326	24	281.0	2.6	1.5	Single Age						
SFB08_26	304.5	1.035	0.6824	0.0064	0.08447	0.00081	0.39103	528.2	3.8	522.7	4.8	534	23	522.7	4.8	1.0	Single Age						
SFB08_27	761	108	0.4135	0.0055	0.05562	0.00069	0.29551	351.4	3.9	348.9	4.2	356	31	348.9	4.2	0.7	Rim						
SFB08_27	205	4.3	0.5304	0.0056	0.06972	0.00075	0.63847	432	3.7	434.4	4.5	410	23	434.4	4.5	-0.6	Core						
SFB08_28	662	2.49	0.382	0.0043	0.05157	0.00052	0.66503	328.5	3.1	324.1	3.2	374	20	324.1	3.2	1.3	Single Age						
SFB08_29	1180	1.345	0.318	0.0044	0.04398	0.00051	0.22262	280.4	3.4	277.5	3.1	311	31	277.5	3.1	1.0	Single Age						
SFB08_30	1747	3.261	0.312	0.003	0.04251	0.00032	0.52009	275.7	2.3	268.4	2	348	18	268.4	2.0	2.6	Single Age						
SFB08_31	416.5	1.618	0.3268	0.004	0.04481	0.00035	0.70997	287	3	282.9	2.2	311	21	282.9	2.2	1.4	Single Age						
SFB08_32	79.7	0.968	1.651	0.017	0.1651	0.0014	0.56298	989.6	6.6	984.8	7.7	1007	19	1007.0	19.0	2.2	Single Age						
SFB08_33	620	2.83	0.3566	0.0038	0.04891	0.00037	0.52256	309.6	2.8	307.8	2.2	326	20	307.8	2.2	0.6	Single Age						
SFB08_34	364	1.32	0.3229	0.0036	0.04557	0.0004	0.62999	288.7	2.7	287.2	2.5	295	21	287.2	2.5	0.5	Single Age						
SFB08_35	451	1.441	0.3283	0.0037	0.04442	0.00041	0.54377	283.6	2.8	280.1	2.5	306	20	280.1	2.5	1.2	Single Age						
SFB08_36	389	2.42	0.4005	0.0043	0.047	0.00051	0.10085	342	3.1	296	3.2	679	31	DISC	DISC	13.5	Single Age						
SFB08_37	2270	1.961	0.298	0.0023	0.03989	0.00025	0.48108	264.8	1.8	252.2	1.5	386	14	252.2	1.5	4.8	Single Age						
SFB08_38	577	31.2	0.3786	0.0089	0.0493	0.0013	0.66817	325.9	6.5	310.5	8.3	414	54	310.5	8.3	4.7	Rim						
SFB08_38	318.5	0.985	0.8445	0.0094	0.1005	0.																	

SFB08_83	216	1.318	0.3577	0.0034	0.04979	0.0004	0.4504	310.8	2.6	313.2	2.5	305	24	313.2	2.5	-0.8	Single Age
SFB08_84	528	109	0.3402	0.0092	0.04681	0.00094	0.6435	297.3	7	294.9	5.8	305	46	294.9	5.8	0.8	Rim
SFB08_84	67.9	1.826	1.91	0.023	0.1845	0.0016	0.67953	1084	8	1091.5	8.9	1066	18	1066.0	18.0	-2.4	Core
SFB08_85	2230	4.37	0.3289	0.0022	0.04493	0.00035	0.74702	288.7	1.7	283.3	2.1	339	11	283.3	2.1	1.9	Single Age
SFB08_86	350	2.237	0.3806	0.0037	0.05032	0.00037	0.41058	327.5	2.7	316.5	2.3	416	22	316.5	2.3	3.4	Single Age
SFB08_87	391	2.066	0.3497	0.0047	0.04771	0.00056	0.69761	304.4	3.6	300.4	3.5	327	23	300.4	3.5	1.3	Single Age
SFB08_88	195.4	0.869	0.8766	0.008	0.10281	0.00068	0.32992	639	4.3	630.9	4	663	21	630.9	4.0	1.3	Single Age
SFB08_89	796	2.558	0.336	0.0028	0.04585	0.0003	0.59702	294.1	2.1	289	1.9	346	14	289.0	1.9	1.7	Single Age
SFB08_90	517	1.179	0.3257	0.0025	0.04493	0.00032	0.41861	286.2	1.9	283.3	2	332	16	283.3	2.0	1.0	Single Age
SFB08_92	1910	2.705	0.2547	0.0058	0.03515	0.0008	0.95522	230.3	4.7	222.7	5	304	18	222.7	5.0	3.3	Single Age
SFB08_93	287	0.889	0.2728	0.0049	0.03893	0.00063	0.52828	244.7	3.9	246.2	3.9	228	31	246.2	3.9	-0.6	Single Age
SFB08_94	248	5.38	0.752	0.018	0.0831	0.0014	0.80539	569	11	514.8	8.1	804	30	514.8	8.1	9.5	Single Age
SFB08_96	228	1.008	0.8515	0.0063	0.09992	0.00083	0.46441	625.4	3.5	613.9	4.9	660	20	613.9	4.9	1.8	Single Age
SFB08_97	260.8	4.83	0.8106	0.0086	0.09805	0.00094	0.43106	602.7	4.8	603	5.5	601	23	603.0	5.5	0.0	Rim
SFB08_97	192.7	5.81	0.87	0.013	0.10415	0.00085	0.47701	637	7.8	638.7	4.9	607	30	638.7	4.9	-0.3	Core
SFB08_99	579	1.352	0.3182	0.0023	0.04361	0.00041	0.57483	280.5	1.7	275.2	2.5	298	20	275.2	2.5	1.9	Single Age
SFB08_100	208	1.11	0.5444	0.0058	0.07004	0.0006	0.40977	441.2	3.8	436.4	3.6	474	24	436.4	3.6	1.1	Single Age
SFB08_101	3060	2.929	0.208	0.015	0.0269	0.0022	0.98449	190	13	171	14	456	25	DISC	DISC	10.0	Single Age
SFB08_102	238	5.28	0.6239	0.0056	0.07928	0.00049	0.3571	492.2	3.5	491.8	2.9	489	20	491.8	2.9	0.1	Single Age
SFB08_103	787	1.97	0.3334	0.0036	0.0441	0.00038	0.041303	292.1	2.8	278.2	2.4	395	27	278.2	2.4	4.8	Single Age
SFB08_104	925	1.953	0.3139	0.0034	0.04219	0.0003	0.1988	277.2	2.6	266.4	1.9	358	21	266.4	1.9	3.9	Single Age
SFB08_105	1791	1.4	0.3252	0.0043	0.04207	0.00046	0.78128	286.2	3.4	265.6	2.8	461	19	265.6	2.8	7.2	Single Age
SFB08_108	2415	7.41	0.274	0.011	0.0372	0.0011	0.7338	246.1	8.9	235.5	6.9	344	49	235.5	6.9	4.3	Rim
SFB08_108	206	1.697	0.3943	0.0092	0.05071	0.00066	0.6241	337.2	6.7	318.9	4	455	36	318.9	4.0	5.4	Core
SFB08_109	258.5	3.96	0.629	0.019	0.0666	0.0011	0.4368	495	12	415.5	6.8	898	60	DISC	DISC	16.1	Single Age
SFB08_110	817	2.522	0.3386	0.0035	0.042	0.00056	0.56749	296.1	2.7	265.2	3.4	556	29	DISC	DISC	10.4	Single Age
SFB08_111	191	5.39	0.5766	0.007	0.0742	0.00069	0.57503	462.1	4.5	461.4	4.1	458	21	461.4	4.1	0.2	Single Age
SFB08_112	964	3.361	0.5869	0.053	0.3539	0.0036	0.78074	1957	7.9	1953	17	1959	15	1959.0	15.0	0.3	Single Age
SFB08_113	96.9	0.724	1.142	0.012	0.12868	0.00094	0.33302	773.2	5.9	780.3	5.4	777	25	780.3	5.4	-0.9	Single Age
SFB08_114	794.6	2.911	0.3267	0.0024	0.04428	0.00028	0.38045	287	1.9	279.3	1.7	346	18	279.3	1.7	2.7	Single Age
SFB08_115	418	1.194	0.3362	0.0039	0.04656	0.00054	0.7392	294.2	3	293.4	3.3	317	19	293.4	3.3	0.3	Single Age
SFB08_116	239	6.04	2.19	0.014	0.2016	0.0013	0.71283	1178	4.3	1183.6	7.1	1169.6	9.2	1169.6	9.2	-1.2	Single Age
SFB08_117	564	1.86	0.3273	0.0025	0.04472	0.00026	0.38078	287.5	1.9	282	1.6	320	18	282.0	1.6	1.9	Single Age
SFB08_119	309.4	1.938	0.3678	0.004	0.05041	0.00041	0.39527	318	2.9	317	2.5	328	23	317.0	2.5	0.3	Single Age
SFB08_120	1189	2.241	0.3141	0.0029	0.03995	0.00042	0.741177	277.3	2.2	252.5	2.6	496	14	252.5	2.6	8.9	Single Age
09-SFB-13																	
Upper Freshwater Molasse lib (20.5 ± 1 Ma)																	
Sample Name:			Isotopic Ratios					Apparent Ages (Ma)									
U																	
U/Th																	
Grain #																	
(ppm)																	
			207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
			235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
09SFB13_b1	337.00	2.07	0.3363	0.0051	0.04655	0.00055	0.344	294.2	3.8	293.3	3.4	319	33	293.3	3.4	0.3	Single Age
09SFB13_b2	488.00	2.76	0.3556	0.0077	0.04878	0.00048	0.286	308.7	5.7	307	3	338	47	307.0	3.0	0.6	Single Age
09SFB13_b3	81.90	0.95	0.8030	0.0190	0.09770	0.00120	0.259	598	11	600.7	7.1	594	50	600.7	7.1	-0.5	Single Age
09SFB13_b4	343.00	1.13	0.2902	0.0068	0.03370	0.00130	0.588	258.7	5.4	213.8	7.9	634	72	DISC	DISC	17.4	Single Age
09SFB13_b5	186.00	1.64	0.3252	0.0070	0.04560	0.00058	0.310	286.5	5.5	287.4	3.6	283	47	287.4	3.6	-0.3	Single Age
09SFB13_b6	560.00	1.58	0.3401	0.0046	0.04632	0.00053	0.368	297.2	3.5	291.9	3.3	357	29	291.9	3.3	1.8	Single Age
09SFB13_b7	1670.00	9.25	0.2922	0.0069	0.03849	0.00052	0.590	260.2	5.4	243.5	3.2	429	44	243.5	3.2	6.4	Single Age
09SFB13_b8	293.00	1.98	0.3234	0.0048	0.04452	0.00031	0.083	284.5	3.7	280.8	1.9	334	39	280.8	1.9	1.3	Single Age
09SFB13_b9	489.00	1.21	0.3318	0.0030	0.04655	0.00038	0.457	291.2	2.2	293.3	2.4	292	20	293.3	2.4	-0.7	Single Age
09SFB13_b10	1530.00	2.72	0.3377	0.0061	0.04654	0.00081	0.733	295.2	4.7	293.2	5	328	26	293.2	5.0	0.7	Single Age
09SFB13_b11	720.00	0.73	0.3452	0.0062	0.03307	0.00082	0.077	301	4.7	209.7	5.1	1062	59	DISC	DISC	30.3	Single Age
09SFB13_b12	16.78	0.14	1.8090	0.0530	0.04830	0.00140	0.013	1055	21	304	8.8	3259	74	DISC	DISC	71.2	Single Age
09SFB13_b13	423.00	1.46	0.3276	0.0084	0.04413	0.00085	0.120	287.7	6.5	278.4	5.3	278	74	278.4	5.3	3.2	Single Age
09SFB13_b14	526.00	1.59	0.3370	0.0047	0.04677	0.00057	0.652	294.8	3.5	294.7	3.5	291	24	294.7	3.5	0.0	Single Age
09SFB13_b15	289.00	1.69	0.3415	0.0046	0.04790	0.00044	0.266	298.2	3.5	301.6	2.7	273	29	301.6	2.7	-1.1	Single Age
09SFB13_b16	325.00	1.84	0.7690	0.0110	0.09330	0.00120	0.729	580.5	6.2	575	6.8	612	21	575.0	6.8	0.9	Single Age
09SFB13_b17	1480.00	3.11	0.3430	0.0120	0.04610	0.00120	0.373	299.6	8.8	290.8	7.3	356	64	290.8	7.3	2.9	Single Age
09SFB13_b18	384.00	2.56	0.3441	0.0045	0.04692	0.00046	0.414	300.7	3.5	295.6	2.8	339	28	295.6	2.8	1.7	Single Age
09SFB13_b19	294.00	1.63	0.3574	0.0062	0.04897	0.00065	0.345	310.1	4.6	308.2	4	322	35	308.2	4.0	0.6	Single Age
09SFB13_b20	661.00	2.30	0.3355	0.0037	0.04701	0.00047	0.641	294.1	2.9	296.1	2.9	293	24	296.1	2.9	-0.7	Single Age
09SFB13_b21	1084.00	1.21	0.2781	0.0058	0.03530	0.00047	0.522	249	4.6	223.6	5	465	44	DISC	DISC	10.2	Single Age
09SFB13_b22	126.60	1.75	0.3104	0.0057	0.04337	0.00051	0.205	274.3	4.4	273.7	3.1	281	42	273.7	3.1	0.2	Single Age
09SFB13_b23	360.00	2.15	0.5740	0.0460	0.04655	0.00061	0.602	455	29	293.3	3.8	1330	140	DISC	DISC	35.5	Single Age
09SFB13_b24	672.00	1.48	0.3359	0.0043	0.04641	0.00040	0.140	294	3.3	292.4	2.4	302	25	292.4	2.4	0.5	Single Age
09SFB13_b26	666.00	1.69	0.3426	0.0037	0.04710	0.00044	0.681	299.1	2.8	296.7	2.7	333	23	296.7	2.7	0.8	Single Age
09SFB13_b27	196.00	2.12	0.3289	0.0048	0.04671	0.00044	0.310	288.6	3.6	294.3	2.7	242	34	294.3	2.7	-2.0	Single Age
09SFB13_b28	241.00	2.16	0.3170	0.0059	0.04371	0.00044	0.234	279.5	4.6	275.8	2.7	303	42				

09SFB13-28	160	5.309	0.3286	0.0094	0.0453	0.0012	0.51673	289.0	7.3	285.5	7.2	333	32	285.5	7.2	1.2	Single Age
09SFB13-29	218	2.23	0.3298	0.0094	0.0452	0.0011	0.49995	289.8	7.0	285.2	6.6	347	34	285.2	6.6	1.6	Single Age
09SFB13-30	477	2.09	0.325	0.0072	0.0452	0.0011	0.64761	285.5	5.5	285.1	6.9	313	25	285.1	6.9	0.1	Single Age
09SFB13-31	1737	3.96	0.407	0.012	0.053	0.0018	0.82329	346.2	8.8	334.0	11.0	436	24	334.0	11.0	3.5	Single Age
09SFB13-32	858	2.172	0.3197	0.0064	0.0444	0.0011	0.74698	281.5	4.9	280.6	6.6	306	16	280.6	6.6	0.3	Single Age
09SFB13-33	121	3.63	0.3131	0.0098	0.0435	0.0011	0.50633	276.0	7.5	274.4	7.1	294	34	274.4	7.1	0.6	Single Age
09SFB13-34	577	2.978	0.3339	0.0076	0.046	0.001	0.72955	292.2	5.8	289.8	6.2	292	18	289.8	6.2	0.8	Single Age
09SFB13-35	32.8	5.26	0.329	0.02	0.0441	0.0012	0.36373	288.0	16.0	277.8	7.5	478	54	277.8	7.5	3.5	Single Age
09SFB13-36	153.3	1.881	0.325	0.01	0.0444	0.0011	0.45463	285.8	8.1	280.0	7.0	325	35	280.0	7.0	2.0	Single Age
09SFB13-37	105.2	1.957	0.317	0.0096	0.0448	0.0011	0.39505	280.9	7.4	282.5	6.5	293	32	282.5	6.5	-0.6	Single Age
09SFB13-38	623	3.91	0.3218	0.0076	0.0445	0.001	0.80558	283.0	5.8	280.3	6.2	309	17	280.3	6.2	1.0	Single Age
09SFB13-39	611	1.789	0.3292	0.0076	0.0457	0.0012	0.8237	288.6	5.8	287.9	7.3	304	17	287.9	7.3	0.2	Single Age
09SFB13-40	347.7	3.89	0.3221	0.0074	0.0455	0.0012	0.71674	283.2	5.7	287.0	7.6	278	25	287.0	7.6	-1.3	Single Age
09SFB13-41	644	2.653	0.3476	0.0089	0.048	0.001	0.79302	302.5	6.7	301.9	6.2	305	16	301.9	6.2	0.2	Single Age
09SFB13-42	118.4	1.38	0.322	0.01	0.0454	0.0011	0.46126	283.6	7.8	285.6	6.7	300	33	285.6	6.7	-0.8	Single Age
09SFB13-43	315	2.579	0.3312	0.0087	0.0468	0.0013	0.69989	290.1	6.6	294.6	7.9	252	22	294.6	7.9	-1.6	Single Age
09SFB13-44	389	3.593	0.3327	0.0078	0.046	0.0011	0.74363	291.3	5.9	290.5	6.7	292	13	290.5	6.7	0.3	Single Age
09SFB13-45	1190	3.08	0.3448	0.0072	0.0472	0.0012	0.804	300.5	5.4	297.2	7.3	319	19	297.2	7.3	1.1	Single Age
09SFB13-46	212	1.995	0.3107	0.0078	0.0441	0.0011	0.66065	275.1	5.9	278.2	6.9	238	21	278.2	6.9	-1.1	Single Age
09SFB13-47	652	1.872	0.3358	0.0066	0.0467	0.0011	0.717	293.8	5.0	293.9	6.5	299	23	293.9	6.5	0.0	Single Age
09SFB13-48	288.9	2.133	0.327	0.0084	0.0451	0.0011	0.69584	287.7	6.5	284.1	6.7	304	27	284.1	6.7	1.3	Single Age
09SFB13-49	191	2.243	0.869	0.021	0.1026	0.0026	0.82139	634.0	11.0	629.0	15.0	641	20	629.0	15.0	0.8	Single Age
09SFB13-50	516	2.665	0.3268	0.0089	0.0461	0.0013	0.71175	286.7	6.8	290.2	7.7	287	26	290.2	7.7	-1.2	Single Age
09SFB13-51	200.3	2.156	0.3263	0.0084	0.0452	0.0012	0.71317	286.3	6.5	285.0	7.2	320	26	285.0	7.2	0.5	Single Age
09SFB13-52	177.4	1.639	0.3198	0.0088	0.0446	0.0012	0.57439	282.3	7.0	281.2	7.3	303	29	281.2	7.3	0.4	Single Age
09SFB13-53	224	5	0.556	0.013	0.0727	0.0016	0.64704	448.4	8.3	452.5	9.8	424	21	452.5	9.8	-0.9	Single Age
09SFB13-54	362	8.02	0.595	0.017	0.0761	0.0019	0.59695	473.0	11.0	473.0	12.0	484	23	473.0	12.0	0.0	Single Age
09SFB13-55	451.7	2.277	0.3382	0.0089	0.0461	0.001	0.61587	295.4	6.7	290.4	6.3	343	24	290.4	6.3	1.7	Single Age
09SFB13-56	968	5.798	0.3502	0.0073	0.0479	0.0012	0.83449	304.6	5.5	301.3	7.4	323	16	301.3	7.4	1.1	Single Age
09SFB13-57	296	1.533	1.043	0.03	0.1179	0.0032	0.8613	724.0	15.0	718.0	19.0	738	16	718.0	19.0	0.8	Single Age
09SFB13-58	858	2.42	0.3214	0.0073	0.0438	0.0011	0.67074	282.7	5.6	276.1	7.0	355	17	276.1	7.0	2.3	Single Age
09SFB13-59	486	3.45	0.333	0.011	0.0463	0.0018	0.61228	291.6	8.7	292.0	11.0	287	42	292.0	11.0	-0.1	Single Age
09SFB13-60	153	3.178	0.3397	0.0098	0.0467	0.0013	0.52221	296.5	7.4	294.4	8.0	337	34	294.4	8.0	0.7	Single Age
09SFB13-61	1477	3.35	0.335	0.0074	0.0458	0.0012	0.73721	293.1	5.6	288.4	7.1	335	16	288.4	7.1	1.3	Single Age
09SFB13-62	1500	4.413	0.3496	0.0075	0.0479	0.0012	0.61231	305.6	5.6	301.5	7.1	351	17	301.5	7.1	1.3	Single Age
09SFB13-63	350	3.99	0.3448	0.0096	0.0467	0.0012	0.62968	301.3	7.4	300.4	7.6	309	24	300.4	7.6	0.3	Single Age
09SFB13-64	771	17.83	0.3285	0.0079	0.0476	0.0012	0.75425	288.9	6.0	293.8	7.3	264	20	293.8	7.3	-1.6	Single Age
09SFB13-65	416	1.026	0.3324	0.009	0.0446	0.0011	0.59681	291.0	6.8	281.0	6.7	374	31	281.0	6.7	3.4	Single Age
09SFB13-66	883	2.23	0.3405	0.0086	0.0463	0.0012	0.7837	297.2	6.5	291.5	7.5	361	20	291.5	7.5	1.9	Single Age
09SFB13-67	542	2.787	0.404	0.016	0.0442	0.0015	0.34199	344.0	11.0	280.3	9.6	853	80	DISC	DISC	18.5	Single Age
09SFB13-68	724	2.79	0.2682	0.007	0.0398	0.0012	0.73412	241.1	5.6	251.6	7.7	273	25	251.6	7.7	-4.4	Single Age
09SFB13-69	634	3.234	0.3383	0.0072	0.0464	0.0011	0.60628	295.6	5.5	292.4	7.1	327	20	292.4	7.1	1.1	Single Age
09SFB13-70	1470	25.54	0.555	0.018	0.0717	0.0027	0.85071	448.0	11.0	446.0	16.0	452	22	446.0	16.0	0.4	Single Age
09SFB13-71	501	3.449	0.3447	0.0076	0.0474	0.0011	0.7255	301.1	5.8	298.4	6.8	341	19	298.4	6.8	0.9	Single Age
09SFB13-72	513	1.921	0.3507	0.0091	0.0481	0.0012	0.67519	304.9	6.8	303.0	7.4	329	26	303.0	7.4	0.6	Single Age
09SFB13-73	268.1	4.57	0.335	0.008	0.0469	0.0012	0.65825	293.1	6.1	295.4	7.4	308	26	295.4	7.4	-0.8	Single Age
09SFB13-74	517	3.37	0.3435	0.0088	0.0487	0.0012	0.75063	299.4	6.7	306.4	7.3	257	17	306.4	7.3	-2.3	Single Age
09SFB13-75	145.9	1.59	0.584	0.017	0.0735	0.002	0.59361	466.0	11.0	458.0	12.0	470	28	458.0	12.0	1.7	Single Age
09SFB13-76	539	1.316	0.3388	0.0088	0.0455	0.0012	0.71262	297.4	6.9	286.8	7.5	359	24	286.8	7.5	3.6	Single Age
09SFB13-77	93.1	2.262	0.327	0.013	0.0446	0.0012	0.55126	286.0	10.0	281.2	7.7	359	40	281.2	7.7	1.7	Single Age
09SFB13-78	165.2	3.451	0.58	0.017	0.0738	0.002	0.73224	465.0	11.0	459.0	12.0	477	20	459.0	12.0	1.3	Single Age
09SFB13-79	243	2.215	0.3244	0.0092	0.04487	0.00099	0.69059	284.8	7.1	282.9	6.1	283	23	282.9	6.1	0.7	Single Age
09SFB13-80	211	1.41	0.907	0.023	0.1069	0.0027	0.77471	656.0	13.0	655.0	16.0	664	16	655.0	16.0	0.2	Single Age
09SFB13-81	422	3.297	0.337	0.0083	0.0469	0.0012	0.66835	294.5	6.3	295.3	7.4	324	18	295.3	7.4	-0.3	Single Age
09SFB13-82	728	2.08	0.3315	0.007	0.0452	0.0012	0.74577	290.4	5.3	284.7	7.1	350	19	284.7	7.1	2.0	Single Age
09SFB13-83	469	3.382	0.3433	0.009	0.0483	0.0013	0.72523	300.1	6.7	303.7	8.2	290	24	303.7	8.2	-1.2	Single Age
09SFB13-84	189.6	2.935	0.906	0.022	0.1055	0.003	0.76254	654.0	12.0	646.0	17.0	683	20	646.0	17.0	1.2	Single Age
09SFB13-85	174.8	0.583	0.304	0.011	0.0422	0.001	0.56765	268.7	8.4	266.2	6.3	273	27	266.2	6.3	0.9	Single Age
09SFB13-86	87.1	2.87	0.336	0.011	0.0465	0.0013	0.48523	293.3	8.7	292.8	8.3	343	42	292.8	8.3	0.2	Single Age
09SFB13-87	270.3	1.848	0.327	0.013	0.045	0.0014	0.53775	286.6	9.7	283.4	8.6	286	42	283.4	8.6	1.1	Single Age
09SFB13-88	390	3.552	0.795	0.019	0.0961	0.0028	0.83348	593.0	10.0	591.0	16.0	608	14	591.0	16.0	0.3	Single Age
09SFB13-89	345	3.217	0.3334	0.0093	0.0467	0.0012	0.68385	291.7	7.0	294.4	7.4	300	22	294.4	7.4	-0.9	Single Age
09SFB13-90	516	2.828	0.3363	0.0083	0.0456	0.0012	0.63916	294.1	6.3	287.1	7.6	369	29	287.1	7.6	2.4	Single Age
09SFB13-91	148	3.2	0.346	0.014	0.0486	0.0014	0.59497	301.0	11.0	306.0	8.9	323	38	306.0	8.9	-1.7	Single Age
09SFB13-92	120.7	3.273	0.321	0.01	0.0455	0.0014	0.4961	282.4	7.7	287.6	8.5	246	25	287.6	8.5	-1.8	Single Age
09SFB13-93	262.5	1.99	0.3315	0.0091	0.0452	0.0011	0.63632	291.1	6.8	284.9	6.7	310	24	284.9	6.7	2.1	Single Age
09SFB13-94	415	1.77	0.3456	0.0083	0.0473	0.0014	0.71052	301.1	6.3	297.6	8.5	352	25	297.6	8.5	1.2	Single Age
09SFB13-95	1012	2.182	0.3273	0.0072	0.0449	0.001	0.77983	287.2	5.5	283.2	6.4	323	19	283.2	6.4	1.4	Single Age
09SFB13-96	22.9	2.977	3.89	0.12	0.0726	0.0021	0.59876	1613.0	25.0	451.0	13.0	3861	25	DISC	DISC	72.0	Single Age
09SFB13-97	255	2.249	0.58	0.017	0.0755	0.0021	0.70933	465.0	11.0	469.0	12.0	464	21	469.0	12.0	-0.9	Single Age
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09SFB13-139	561	3.69	0.3372	0.0076	0.0471	0.0012	0.83316	295.5	5.7	296.5	7.5	315	17	296.5	7.5	-0.3	Single Age
09SFB13-140	579	3.327	0.3395	0.0077	0.0459	0.0011	0.70136	296.5	5.9	289.5	6.9	351	19	289.5	6.9	2.4	Single Age
Sample Name: 09-SFB-21			Isotopic Ratios					Apparent Ages (Ma)									
Lower Freshwater Molasse Ila (22.5 ± 1 Ma)			207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
Grain #	U (ppm)	U/Th	235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
SFB21_01	608	2.43	0.3558	0.0037	0.04896	0.00037	0.4273	309	2.7	308.1	2.3	326	12	308.1	2.3	0.3	Single Age
SFB21_03	1333	15.71	0.5608	0.0061	0.07198	0.00071	0.73673	451.9	3.9	448.1	4.3	483	10	448.1	4.3	0.8	Single Age
SFB21_04	159.9	1.947	1.015	0.015	0.115	0.0014	0.81716	710.7	7.7	701.9	8	755	13	701.9	8.0	1.2	Single Age
SFB21_05	1555	43.9	0.8597	0.0051	0.10201	0.00062	0.60619	629.9	2.8	626.2	3.6	645.4	7.9	626.2	3.6	0.6	Single Age
SFB21_06	401	1.49	0.3334	0.0088	0.04613	0.0009	0.46859	292.1	6.7	290.7	5.6	305	30	290.7	5.6	0.5	Single Age
SFB21_07	358	3.24	0.7045	0.0083	0.08866	0.00081	0.53227	541.3	5	547.6	4.8	520	12	547.6	4.8	-1.2	Single Age
SFB21_08	634	1.717	0.8227	0.0093	0.09812	0.00096	0.50725	609.4	5.2	603.3	5.7	650	11	603.3	5.7	1.0	Single Age
SFB21_09	173.5	1.314	0.3198	0.007	0.04425	0.00066	0.16161	281.7	5.4	279.1	4	294	28	279.1	4.0	0.9	Single Age
SFB21_10	314	4.43	0.5906	0.0069	0.07495	0.00068	0.46141	471.7	4.3	465.9	4.1	515	15	465.9	4.1	1.2	Single Age
SFB21_11	104	1.564	0.531	0.013	0.04119	0.00065	0.027195	431.8	8.5	260.2	4	1524	36	DISC	DISC	39.7	Single Age
SFB21_12	449	10.01	0.5498	0.0069	0.07197	0.00072	0.11232	444.7	4.5	448	4.4	433	17	448.0	4.4	-0.7	Single Age
SFB21_13	1018	1.677	0.394	0.012	0.04716	0.00079	0.70271	337	8.9	297.1	4.8	625	34	DISC	DISC	11.8	Single Age
SFB21_14	409	6.73	0.802	0.022	0.0929	0.0015	0.89097	597	12	572.4	8.9	709	31	572.4	8.9	4.1	Single Age
SFB21_16	361	1.354	1.132	0.012	0.12695	0.00096	0.58559	768.5	5.6	770.4	5.5	773	12	770.4	5.5	-0.2	Single Age
SFB21_17	1501	4.46	0.541	0.012	0.0687	0.0013	0.87861	438.9	8.3	428.1	8	503	14	428.1	8.0	2.5	Single Age
SFB21_18	309.1	3.414	0.3513	0.0052	0.04825	0.00038	0.091021	305.6	3.9	303.8	2.3	348	22	303.8	2.3	0.6	Single Age
SFB21_19	856	0.969	1.042	0.067	0.0577	0.0013	-0.62247	716	33	361.3	7.9	2090	160	DISC	DISC	49.5	Single Age
SFB21_20	1990	16.65	0.5328	0.004	0.06435	0.00065	0.61957	433.7	2.7	402	4	608	12	402.0	4.0	7.3	Single Age
SFB21_21	500	3.15	0.3298	0.0035	0.04532	0.00049	0.55138	289.4	2.7	285.7	3	313	13	285.7	3.0	1.3	Single Age
SFB21_22	1545	1.251	0.5392	0.0076	0.06193	0.00054	0.35649	437.5	5	387.4	3.3	718	27	DISC	DISC	11.5	Single Age
SFB21_23	74.4	0.46	0.635	0.06	0.04967	0.00098	0.65327	491	38	312.5	6	1380	180	DISC	DISC	36.4	Single Age
SFB21_24	554	1.96	0.3608	0.0048	0.04851	0.0005	0.38062	312.7	3.5	305.4	3.1	362	22	305.4	3.1	2.3	Single Age
SFB21_25	914	2.01	0.3517	0.0034	0.04813	0.00034	0.14166	306	2.5	303	2.1	327.7	9.1	303.0	2.1	1.0	Single Age
SFB21_26	919	5.73	0.5873	0.0047	0.07533	0.00052	0.546	469.1	3	468.2	3.1	482	8.1	468.2	3.1	0.2	Single Age
SFB21_27	383	0.816	0.5932	0.0065	0.07502	0.00059	0.6293	472.7	4.2	466.3	3.5	495.4	9	466.3	3.5	1.4	Single Age
SFB21_28	610	1.714	0.565	0.0071	0.0714	0.001	0.86766	454.6	4.6	444.5	6.3	504.9	8.6	444.5	6.3	2.2	Single Age
SFB21_29	915	2.831	0.3389	0.0037	0.04664	0.00045	0.84711	296.3	2.8	293.8	2.8	315.2	8	293.8	2.8	0.8	Single Age
SFB21_30	820	7.7	0.593	0.022	0.0895	0.0022	0.95566	533	12	546	13	488.3	9.8	546.0	13.0	-2.4	Single Age
SFB21_31	1094	6.7	0.5843	0.0073	0.07204	0.00092	0.76436	467.8	4.6	448.4	5.5	566	12	448.4	5.5	4.1	Single Age
SFB21_32	694	3.38	0.6064	0.0064	0.07771	0.00069	0.90586	481.1	4.1	482.4	4.1	481.6	9.4	482.4	4.1	-0.3	Single Age
SFB21_33	324	1.71	0.649	0.014	0.079	0.0018	0.82588	506.9	8.7	490	11	589	19	490.0	11.0	3.3	Single Age
SFB21_34	349	3.825	0.998	0.03	0.1133	0.0026	0.95269	703	15	692	15	737	16	692.0	15.0	1.6	Single Age
SFB21_35	149	1.983	0.3392	0.0053	0.04687	0.00049	0.19905	296.4	4.1	295.3	3	328	26	295.3	3.0	0.4	Single Age
SFB21_36	215	4.17	0.591	0.0097	0.07577	0.00061	0.35582	471.2	6.2	470.8	3.6	474	21	470.8	3.6	0.1	Single Age
SFB21_37	250	2.63	0.6489	0.0067	0.08237	0.00067	0.20586	508.1	4.1	510.2	4	504	13	510.2	4.0	-0.4	Single Age
SFB21_38	405	2.84	0.5871	0.0058	0.07587	0.00051	0.25004	468.9	3.7	471.4	3	465	12	471.4	3.0	-0.5	Single Age
SFB21_39	870	2.137	0.3598	0.0032	0.04984	0.00039	0.47772	312	24	313.5	2.4	300	12	313.5	2.4	-0.5	Single Age
SFB21_40	852	1.92	4.65	0.14	0.2691	0.0059	0.95684	1761	24	1535	30	2031	22	DISC	DISC	24.4	Single Age
SFB21_41	202	4.49	0.5879	0.0064	0.07526	0.00057	0.1446	469.4	4.1	467.8	3.4	488	16	467.8	3.4	0.3	Single Age
SFB21_42	102.9	0.838	0.583	0.013	0.0715	0.0012	0.12103	466	8.5	445.2	6.9	591	34	445.2	6.9	4.5	Single Age
SFB21_43	808	1.223	0.8211	0.0059	0.09821	0.00078	0.74067	609.1	3.2	603.9	4.6	618.8	8.7	603.9	4.6	0.9	Single Age
SFB21_44	218	1.766	0.3164	0.0061	0.04358	0.0006	0.38309	278.9	4.7	274.9	3.7	303	25	274.9	3.7	1.4	Single Age
SFB21_45	181.3	5.22	0.6831	0.0098	0.0845	0.001	0.51703	528.3	5.9	522.7	6.1	547	15	522.7	6.1	1.1	Single Age
SFB21_46	192	18.1	0.695	0.017	0.0861	0.0016	0.73193	535	10	532	9.2	539	21	532.0	9.2	0.6	Single Age
SFB21_47	25.14	0.411	3.367	0.043	0.2602	0.0032	0.33596	1497	10	1490	16	1493	17	1493.0	17.0	0.2	Single Age
SFB21_48	226.8	1.616	0.2259	0.0022	0.03018	0.00029	0.77802	206.8	1.8	191.7	1.8	383.3	9.1	191.7	1.8	7.3	Single Age
SFB21_49	349	4.16	1.85	0.14	0.123	0.0056	0.8629	1060	49	747	32	1774	56	DISC	DISC	29.5	Single Age
SFB21_50	804	9.11	0.71	0.027	0.0834	0.0037	0.84717	544	16	516	22	683	32	516.0	22.0	5.1	Single Age
SFB21_51	366	2.94	0.742	0.013	0.0896	0.0017	0.88677	562.9	7.8	553	9.9	610	11	553.0	9.9	1.8	Single Age
SFB21_52	470	2.076	0.6289	0.0067	0.07881	0.00053	0.29231	495.3	4.2	489	3.2	532	16	489.0	3.2	1.3	Single Age
SFB21_53	396	8.09	0.5528	0.006	0.07106	0.00055	0.62153	446.7	3.9	442.5	3.3	460.7	9.8	442.5	3.3	0.9	Single Age
SFB21_54	408	1.586	0.746	0.013	0.0898	0.0012	0.48487	565.8	7.8	554.4	7.4	622	14	554.4	7.4	2.0	Single Age
SFB21_55	196.7	5.04	3.73	0.24	0.1906	0.0095	0.95955	1568	54	1140	49	2178	49	DISC	DISC	47.7	Single Age
SFB21_56	171.5	0.2736	6.015	0.038	0.3567	0.0023	0.54067	1978	5.5	1966	11	1987.6	5.9	1987.6	5.9	1.1	Single Age
SFB21_57	373	1.598	0.933	0.081	0.0806	0.0025	0.95678	660	42	500	15	1210	110	DISC	DISC	24.2	Single Age
SFB21_58	1394	2.79	0.326	0.0038	0.03187	0.00086	0.20236	286.5	2.9	202.2	5.4	1079	60	DISC	DISC	29.4	Single Age
SFB21_59	168	1.9	0.3356	0.0054	0.04603	0.00043	0.15997	293.7	4.1	290.1	2.6	337	24	290.1	2.6	1.2	Single Age
SFB21_60	123	1.78	0.5914	0.0087	0.07496	0.0007	0.24979	471.5	5.5	465.9	4.2	495	19	465.9	4.2	1.2	Single Age
SFB21_61	211.9	1.931	0.3616	0.0065	0.04761	0.00048	0.14401	313.2	4.8	299.8	3	422	25	299.8	3.0	4.3	Single Age
SFB21_62	325	2.35	0.5722	0.0082	0.07279	0.00084	0.76503	459.3	5.3	452.9	5	491	17	452.9	5.0	1.4	Single Age
SFB21_63	236.8	0.953	0.851	0.018	0.0967	0.0017	0.58705	624.8	9.6	595	10	728	18	595.0	10.0	4.8	Single Age
SFB21_64	289	0.624	0.3872	0.0044	0.05284	0.00045	0.36376	332.2	3.2	332	2.8	330	12	332.0	2.8	0.1	Single Age
SFB21_65	353.3	0.522	0.5736	0.0071	0.07235	0.00073	0.59431	460.7	4.5	450.3	4.4	485	14	450.3	4.4	2.3	Single Age
SFB21_66	210	2.63	1.529	0.017	0.1567	0.0011	0.53578	942.5	6.9	938.2	6.3	952	11	952.0	11.0	1.4	Single Age
SFB21_67	74.9	22.3	0.965	0.023	0.1096	0.0012	0.038801	685	11	670.2	7	702	24	670.2	7.0	2.2	Single Age
SFB21_68	63.5	1.091	0.81	0.027	0.092	0.0012	0.052523	603	15	567.4	7	713	45	567.4	7.0	5.9	Single Age
SFB21_69	492	1.632	1.687	0.021	0.1658	0.0023	0.83057	1003	8	989	13	1043.1	8.3	1043.1	8.3	5.2	Single Age
SFB21_70																	

SFB21_104	237.4	2.649	0.6012	0.0093	0.07345	0.00079	0.06601	477.7	5.9	457.6	4.9	526	26	457.6	4.9	4.2	Single Age
SFB21_105	426	1.523	0.6251	0.0047	0.07937	0.00048	0.26096	493.3	2.9	492.4	2.9	504	11	492.4	2.9	0.2	Single Age
SFB21_106	582	1.184	0.623	0.015	0.0734	0.00072	0.6871	491.3	9.2	456.6	4.3	675	34	456.6	4.3	7.1	Single Age
SFB21_107	32.9	0.919	0.808	0.028	0.0911	0.0014	0.1184	603	15	562.2	8.1	784	43	562.2	8.1	6.8	Single Age
SFB21_108	597	3.67	0.6817	0.0097	0.07571	0.00065	0.5794	527.6	5.9	470.4	3.9	776	19	DISC	DISC	10.8	Single Age
SFB21_109	577	7.79	0.5824	0.0056	0.07265	0.00055	0.60704	465.9	3.6	452.1	3.3	511	12	452.1	3.3	3.0	Single Age
SFB21_110	471	3.44	0.5972	0.0067	0.07693	0.0008	0.52015	475.3	4.3	477.7	4.8	478	13	477.7	4.8	-0.5	Single Age
SFB21_111	884	1.251	0.5826	0.0063	0.07173	0.00068	0.61717	466.1	4.1	446.6	4.1	550	13	446.6	4.1	4.2	Single Age
SFB21_112	327.2	5.74	0.6113	0.0099	0.07544	0.00099	0.14618	484.2	6.2	468.8	5.9	570	31	468.8	5.9	3.2	Single Age
SFB21_113	246.5	5.69	0.95	0.013	0.1077	0.0012	0.37684	677.8	6.6	659.5	6.9	748	23	659.5	6.9	2.7	Single Age
SFB21_114	1986	2.142	0.321	0.0029	0.04292	0.0004	0.39952	282.6	2.2	270.9	2.5	377	20	270.9	2.5	4.1	Single Age
SFB21_115	987	1.65	0.393	0.008	0.04526	0.00063	0.53958	336.3	5.8	285.3	3.9	706	27	DISC	DISC	15.2	Single Age
SFB21_116	619	1.132	0.5846	0.0049	0.07499	0.00067	0.57021	467.3	3.1	466.1	4	463	9.5	466.1	4.0	0.3	Single Age
SFB21_117	233	10.1	0.585	0.013	0.07371	0.00097	0.41832	467.6	8.3	458.4	5.8	537	27	458.4	5.8	2.0	Single Age
SFB21_118	448	1.481	0.588	0.006	0.07363	0.00045	0.29251	469.4	3.9	458	2.7	522	13	458.0	2.7	2.4	Single Age
SFB21_119	333	14.5	0.61	0.014	0.0764	0.0018	0.62831	482.7	9	475	11	527	25	475.0	11.0	1.6	Single Age
SFB21_120	358	9.41	0.5809	0.0055	0.07428	0.00055	0.48597	464.9	3.6	461.9	3.3	477	12	461.9	3.3	0.6	Single Age
Sample Name: 09-SFB-45			Isotopic Ratios						Apparent Ages (Ma)								
Lower Freshwater Molasse I (27 ± 1 Ma)																	
Grain #	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
SFB45_01	171.8	1.36	1.467	0.025	0.1467	0.0021	0.83019	916	10	882	12	978	12	978.0	12.0	9.8	Single Age
SFB45_02	243.9	1.495	0.3632	0.007	0.04945	0.00069	0.5627	315	5.1	311.1	4.3	326	21	311.1	4.3	1.2	Single Age
SFB45_03	393	0.989	0.704	0.016	0.0728	0.0015	0.57099	540.3	8.8	452.7	9.2	931	43	DISC	DISC	16.2	Single Age
SFB45_04	85.4	0.3849	0.858	0.031	0.0875	0.0015	-0.52357	627	17	540.8	8.7	952	94	DISC	DISC	13.7	Single Age
SFB45_05	587	22.5	0.3909	0.0052	0.05302	0.00075	0.57277	335	3.8	333	4.6	345	16	333.0	4.6	0.6	Single Age
SFB45_06	365	1.867	0.652	0.01	0.0807	0.0016	0.69952	509.6	6.4	500.4	9.6	598	30	500.4	9.6	1.8	Single Age
SFB45_08	578	30	0.7052	0.0061	0.08618	0.00082	0.58134	541.8	3.6	532.9	4.8	568	10	532.9	4.8	1.6	Single Age
SFB45_09	203	0.895	0.3767	0.0066	0.05143	0.00048	0.34473	325	5	323.3	3	320	20	323.3	3.0	0.5	Single Age
SFB45_11	74.2	0.511	1.727	0.027	0.1681	0.0015	-0.006653	1018	9.9	1001.3	8.4	1051	24	1051.0	24.0	4.7	Single Age
SFB45_12	939	36.7	0.4093	0.0091	0.05473	0.00087	0.82639	348.2	6.5	343.5	5.3	373	17	343.5	5.3	1.3	Single Age
SFB45_13	429.2	0.97	0.8852	0.0061	0.10449	0.00074	0.47822	643.7	3.3	640.6	4.3	645	10	640.6	4.3	0.5	Single Age
SFB45_14	78.7	0.729	13.784	0.091	0.5351	0.0042	0.5056	2735	6.2	2705.8	18	2708.4	6.6	2708.4	6.6	-2.1	Single Age
SFB45_15	224.9	1.031	0.6097	0.0088	0.0782	0.00074	0.29411	483.1	5.5	467.4	4.4	552	23	467.4	4.4	3.2	Single Age
SFB45_16	180	1.616	2.366	0.045	0.2077	0.003	0.875	1232	13	1216	16	1243.0	13.0	1243.0	13.0	2.2	Single Age
SFB45_17	327	2.31	0.4293	0.007	0.05422	0.0006	0.15926	362.5	5	340.4	3.7	495	34	340.4	3.7	6.1	Single Age
SFB45_18	214	0.9342	2.208	0.017	0.2014	0.0012	0.51179	1183	5.3	1182.5	6.7	1182.7	7.8	1182.7	7.8	0.0	Single Age
SFB45_19	31.7	0.587	1.63	0.035	0.1577	0.0018	-0.12873	982	13	944	9.8	1074	31	1074.0	31.0	12.1	Single Age
SFB45_20	322	1.71	0.6426	0.0088	0.08062	0.00067	0.46405	503.7	5.5	499.8	4	511	14	499.8	4.0	0.8	Single Age
SFB45_21	136	0.518	5.707	0.084	0.3615	0.0054	0.89237	1931	13	1988	25	1863.7	7.6	1863.7	7.6	-6.7	Single Age
SFB45_22	272	0.497	0.8391	0.009	0.09944	0.00095	-0.085796	618.4	5	611.1	5.6	633	12	611.1	5.6	1.2	Single Age
SFB45_23	1027	0.0266	0.778	0.01	0.092	0.0015	0.9276	583.9	5.6	567.1	9.1	657	11	567.1	9.1	2.9	Single Age
SFB45_24	310	1.572	0.796	0.015	0.0926	0.0011	0.21607	594.1	8.4	570.9	6.5	673	25	570.9	6.5	3.9	Single Age
SFB45_25	480	1.495	0.8097	0.0071	0.09772	0.00064	0.47981	602.2	4	601	3.7	590.8	9.7	601.0	3.7	0.2	Single Age
SFB45_26	331	1.61	2.089	0.022	0.1917	0.0023	0.83214	1145	7.2	1130	13	1163.9	8.5	1163.9	8.5	2.9	Single Age
SFB45_27	132.6	0.711	0.937	0.014	0.1097	0.0017	0.63926	670.6	7.5	670.7	9.6	660	19	670.7	9.6	0.0	Single Age
SFB45_28	173	1.398	1.209	0.018	0.1306	0.0012	0.37066	804.2	8.4	791	7	834	20	791.0	7.0	1.6	Single Age
SFB45_29	155.5	2.34	3.468	0.024	0.2672	0.002	0.312	1520	5.4	1526	10	1500	11	1500.0	11.0	-1.7	Single Age
SFB45_30	130.3	1.086	0.888	0.017	0.1007	0.0021	0.71644	644.6	9.3	618	12	744	18	618.0	12.0	4.1	Single Age
SFB45_31	181.7	1.84	7.124	0.048	0.3791	0.0024	0.66869	2127	6	2074	12	2179.7	5.8	2179.7	5.8	4.8	Single Age
SFB45_32	199.4	4.5	0.731	0.022	0.0894	0.0018	0.088762	556	13	552	11	581	23	552.0	11.0	0.7	Single Age
SFB45_33	157.5	0.659	0.2835	0.0057	0.03843	0.0004	0.17132	253.2	4.5	243.1	2.5	347	28	243.1	2.5	4.0	Single Age
SFB45_34	215	0.7408	1.596	0.019	0.1558	0.0012	0.2563	968.2	7.3	933.4	6.5	1033	15	1033.0	15.0	9.6	Single Age
SFB45_35	698	1.22	0.4174	0.0053	0.05451	0.00059	0.010393	354.1	3.8	342.1	3.6	437	28	342.1	3.6	3.4	Single Age
SFB45_36	533	12.2	0.6945	0.0078	0.08607	0.00076	0.64481	536.1	4.8	532.3	4.5	545	10	532.3	4.5	0.7	Single Age
SFB45_37	627	1.537	0.832	0.011	0.0994	0.0014	0.71998	614.3	6	610.6	8.5	634	13	610.6	8.5	0.6	Single Age
SFB45_38	502	1.061	0.2189	0.0037	0.03044	0.00044	-0.021558	200.9	3.1	193.3	2.8	315	24	193.3	2.8	3.8	Single Age
SFB45_39	193	1.19	0.6202	0.0063	0.07938	0.00057	0.14416	489.8	3.9	492.4	3.4	473	15	492.4	3.4	-0.5	Single Age
SFB45_40	279.1	0.789	1.0073	0.0097	0.11424	0.00094	0.36525	707.4	4.9	697.3	5.4	728	12	697.3	5.4	1.4	Single Age
SFB45_41	217.4	0.89	0.762	0.01	0.08924	0.00082	0.43635	574.9	5.8	551	4.9	666	15	551.0	4.9	4.2	Single Age
SFB45_42	901	0.874	0.7543	0.0054	0.08786	0.00056	0.37298	570.6	3.1	542.9	3.3	686	11	542.9	3.3	4.9	Single Age
SFB45_43	66.4	0.95	4.897	0.061	0.3162	0.0025	0.4108	1802	10	1771	12	1835	16	1835.0	16.0	3.5	Single Age
SFB45_44	297.1	1.692	0.3802	0.0053	0.05246	0.00045	-0.034673	327	3.9	329.6	2.7	323	23	329.6	2.7	-0.8	Single Age
SFB45_45	699	0.911	0.4227	0.0067	0.05312	0.00085	0.66061	358.4	4.9	333.6	5.2	516	17	333.6	5.2	6.9	Single Age
SFB45_46	748	1.61	0.582	0.013	0.0504	0.0017	0.47418	467.1	8.4	317	10	1283	54	DISC	DISC	32.1	Single Age
SFB45_47	268	2.246	0.3495	0.0057	0.04699	0.00046	0.055756	304.2	4.3	296	2.9	383	24	296.0	2.9	2.7	Single Age
SFB45_48	226	9	0.53	0.036	0.0672	0.0044	0.88539	431	24	419	26	530	51	419.0	26.0	2.8	Rim
SFB45_48	42.9	0.437	0.894	0.023	0.1028	0.0017	0.1237	647	13	631	10	726	42	631.0	10.0	2.5	Core
SFB45_49	422	1.227	0.4205	0.0064	0.05662	0.00057	0.44019	356.2	4.6	355	3.5	366	20	355.0	3.5	0.3	Single Age
SFB45_50	621	1.992	0.3547	0.0031	0.04863	0.0003	0.31952	308.2	2.3	306.1	1.8	321	10	306.1	1.8	0.7	Single Age
SFB45_51	175.5	5.58	0.614	0.012	0.0735	0.0013	0.37245	486	7.4	456.9	8	610	33	456.9	8.0	6.0	Single Age
SFB45_52	162	1.598	3.066	0.091	0.2265	0.0025	0.34542	1421	22	1316	13	1605	50	1605.0	50.0	18.0	Single Age

SFB45_91	97.5	0.687	4.5	0.037	0.3067	0.0021	0.40176	1732	6.7	1724	11	1757.2	9.2	1757.2	9.2	1.9	Single Age	
SFB45_92	311	1.265	6.62	0.33	0.31	0.013	0.98383	2053	45	1740	62	2397	18	DISC	DISC	27.4	Single Age	
SFB45_93	166.4	0.744	0.7914	0.0098	0.0946	0.001	0.40996	591.7	5.5	582.6	5.9	645	17	582.6	5.9	1.5	Single Age	
SFB45_94	240	0.902	1.22	0.014	0.1355	0.0018	0.70773	810.3	6.8	819	10	817	13	819.0	10.0	-1.1	Single Age	
SFB45_95	54.9	1.073	0.612	0.016	0.0753	0.001	0.25894	487	9.5	468.1	6	576	37	468.1	6.0	3.9	Single Age	
SFB45_97	290	1.0237	0.274	0.0061	0.03465	0.00038	0.44611	245.7	4.9	219.6	2.4	521	37	DISC	DISC	10.6	Single Age	
SFB45_98	214.2	0.6657	0.7706	0.0087	0.09233	0.00096	0.24468	580.5	4.9	569.3	5.7	641	15	569.3	5.7	1.9	Single Age	
SFB45_99	591	0.771	1.755	0.017	0.1615	0.0013	0.59676	1029	6.3	964.8	7.4	1164	12	1164.0	12.0	17.1	Single Age	
SFB45_100	403	3.55	2.71	0.17	0.1312	0.0042	0.82297	1316	46	794	24	2320	60	DISC	DISC	39.7	Single Age	
SFB45_101	849	1.762	0.3631	0.0052	0.0386	0.0021	0.45941	314.4	3.9	244	13	882	95	DISC	DISC	22.4	Single Age	
SFB45_102	1171	18.8	2.112	0.067	0.1944	0.0077	0.7722	1152	22	1145	41	1174	25	1174.0	25.0	2.5	Rim	
SFB45_102	254	1.67	2.693	0.03	0.2215	0.0024	0.67584	1326	8.2	1290	13	1388	12	1388.0	12.0	7.1	Core	
SFB45_103	348	6.71	3.48	0.25	0.217	0.012	0.98982	1521	53	1271	64	1894	27	DISC	DISC	32.9	Single Age	
SFB45_104	120.2	1.12	1.494	0.017	0.1552	0.0011	0.27853	927.3	7	930.1	6.3	942	12	942.0	12.0	1.3	Single Age	
SFB45_105	353.6	8.8	0.5843	0.0058	0.0724	0.00058	0.40851	467.1	3.7	450.6	3.5	574	14	450.6	3.5	3.5	Single Age	
SFB45_106	258	0.486	10.374	0.066	0.4659	0.0032	0.69167	2469	5.9	2466	14	2472.8	5.2	2472.8	5.2	0.3	Single Age	
SFB45_107	609	2.322	3.318	0.02	0.247	0.0018	0.71885	1485	4.6	1423.1	9.5	1576.6	6.1	1576.6	6.1	9.7	Single Age	
SFB45_108	186	3.85	0.3762	0.0074	0.04939	0.00076	0.39362	324	5.5	310.8	4.7	445	26	310.8	4.7	4.1	Single Age	
SFB45_109	130.3	1.63	1.259	0.026	0.1382	0.0019	0.63936	827	12	834	11	797	17	834.0	11.0	-0.8	Single Age	
SFB45_110	399	10.1	0.7455	0.0077	0.09185	0.00088	0.54236	565.4	4.4	566.5	5.2	568	12	566.5	5.2	-0.2	Single Age	
SFB45_111	253	1.741	0.3748	0.0055	0.04972	0.00063	0.49095	323.1	4	312.8	3.9	413	18	312.8	3.9	3.2	Single Age	
SFB45_112	60.6	0.656	0.638	0.018	0.0797	0.0011	0.16437	500	11	495	6.6	550	34	495.0	6.6	1.0	Single Age	
SFB45_113	406	1.86	0.605	0.015	0.0674	0.0014	0.83642	479.8	9.8	420.7	8.4	787	21	DISC	DISC	12.3	Single Age	
SFB45_114	386	1.413	0.3324	0.0045	0.04508	0.00036	0.34607	291.3	3.4	284.2	2.2	349	14	284.2	2.2	2.4	Single Age	
SFB45_115	101	1.432	0.97	0.013	0.1117	0.0014	0.29914	688.2	6.6	683.4	7.8	723	18	683.4	7.8	0.7	Single Age	
SFB45_116	452	1.167	0.768	0.01	0.0798	0.0012	0.46492	578.2	5.8	494.7	7	941	14	DISC	DISC	14.4	Single Age	
SFB45_117	350	1.802	0.7328	0.0073	0.08946	0.00078	0.56635	558.1	4.3	552.3	4.6	586.8	9.3	552.3	4.6	1.0	Single Age	
SFB45_118	290.9	12.2	0.4498	0.0079	0.0541	0.0011	0.51773	378.2	5.8	339.9	6.8	615	26	DISC	DISC	10.1	Single Age	
SFB45_120	188	1.18	0.596	0.018	0.06063	0.00073	0.38979	474	11	379.5	4.4	959	43	DISC	DISC	19.9	Single Age	
Sample Name:		09-SFB 10b																
Lower Marine Molasse (32 ± 1 Ma)				Isotopic Ratios							Apparent Ages (Ma)							
				207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
Grain #	U (ppm)	U/Th		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
09SFB10b-1	238	2.61		0.369	0.024	0.04903	0.0025	0.16301	317.8	16	308.5	15	392	45	308.5	15.0	2.9	Single Age
09SFB10b-2	151	4.46		0.731	0.023	0.0894	0.0028	0.74161	556.6	13	551.6	16	587	17	551.6	16.0	0.9	Single Age
09SFB10b-3	335	3.85	0.3648	0.02	0.04888	0.0025	0.59376	315.6	15	307.6	15	380	21	307.6	15.0	2.5	Single Age	
09SFB10b-4	666	3.24	0.4947	0.02	0.0637	0.0025	0.64549	408.7	13	398	15	477	17	398.0	15.0	2.6	Single Age	
09SFB10b-5	421	12.06	0.4917	0.02	0.0626	0.0025	0.57828	405.8	14	391.6	15	463	20	391.6	15.0	3.5	Single Age	
09SFB10b-6	942	9.72	0.3603	0.019	0.04897	0.0024	0.57465	312.8	15	308.2	15	347	18	308.2	15.0	1.5	Single Age	
09SFB10b-7	299	3.31	2.416	0.073	0.1994	0.0052	0.86069	1249	21	1172	28	1391	20	1391.0	20.0	15.7	Single Age	
09SFB10b-8	106	2.66	0.649	0.033	0.0801	0.0036	0.86886	506	21	496	22	585	19	496.0	22.0	2.0	Single Age	
09SFB10b-9	870	2.715	0.0428	0.019	0.00588	0.0023	0.079773	42.5	18	37.77	15	328	67	DISC	DISC	11.1	Single Age	
09SFB10b-10	442	13.1	0.4417	0.021	0.0571	0.0025	0.73907	371.2	14	357.9	15	465	20	357.9	15.0	3.6	Single Age	
09SFB10b-11	313	1.244	0.4302	0.021	0.05466	0.0024	0.51016	363	15	343	15	484	30	343.0	15.0	5.5	Single Age	
09SFB10b-12	780	19.9	0.3791	0.019	0.05084	0.0024	0.77788	326.2	14	319.6	15	384	12	319.6	15.0	2.0	Single Age	
09SFB10b-13	70.6	2.918	2.645	0.047	0.2146	0.0042	0.51605	1312	13	1259	22	1391	18	1391.0	18.0	9.5	Single Age	
09SFB10b-14	75.3	1.192	3.93	0.13	0.2299	0.0064	0.91845	1613	27	1336	34	2005	14	DISC	DISC	33.4	Single Age	
09SFB10b-15	62.1	2.72	1.39	0.056	0.0966	0.0027	0.30917	881	23	594.2	16	1710	59	DISC	DISC	32.6	Single Age	
09SFB10b-16	1119	7.38	0.432	0.023	0.0476	0.003	0.28466	365	17	299	19	828	87	DISC	DISC	18.1	Single Age	
09SFB10b-17	1924	3.7	0.349	0.026	0.04093	0.0024	0.87648	303	19	258.6	15	646	65	DISC	DISC	14.7	Single Age	
09SFB10b-18	68.5	3.4	0.776	0.032	0.0945	0.0037	0.77349	583	18	582	22	608	27	582.0	22.0	0.2	Single Age	
09SFB10b-19	290	7.4	0.545	0.029	0.0704	0.0033	0.91523	440	19	438	20	467	19	438.0	20.0	0.5	Single Age	
09SFB10b-20	440	2.574	0.534	0.025	0.0634	0.0027	0.81803	433	16	396.2	17	634	24	396.2	17.0	8.5	Single Age	
09SFB10b-21	298	6.2	0.553	0.024	0.0685	0.0033	0.7314	447	16	427	20	584	30	427.0	20.0	4.5	Single Age	
09SFB10b-22	1050	1.462	0.55	0.039	0.0393	0.0032	0.79186	443	25	248	20	1680	77	DISC	DISC	44.0	Single Age	
09SFB10b-23	393.4	1.75	0.5423	0.02	0.06981	0.0024	0.33152	439.7	13	435	15	474	24	435.0	15.0	1.1	Single Age	
09SFB10b-24	78.4	1.539	11	0.2	0.4515	0.0076	0.75857	2521	17	2401	34	2611	16	2611.0	16.0	8.0	Single Age	
09SFB10b-25	94	1.554	0.499	0.029	0.0533	0.0026	-0.31748	409	20	335	16	850	120	DISC	DISC	18.1	Single Age	
09SFB10b-26	559.7	2.258	0.4149	0.02	0.0546	0.0026	0.72388	353.6	15	342.6	16	426	27	342.6	16.0	3.1	Single Age	
09SFB10b-27	230.8	1.437	1.031	0.034	0.1101	0.0032	0.64964	718	17	673	18	868	35	673.0	18.0	6.3	Single Age	
09SFB10b-28	724	3.57	0.695	0.03	0.0656	0.0033	-0.43914	534	18	409	20	1100	130	DISC	DISC	23.4	Single Age	
09SFB10b-29	96.6	2.73	1.459	0.037	0.1405	0.0039	0.86197	912	16	847	22	1045	17	847.0	22.0	7.1	Single Age	
09SFB10b-30	83.7	1.151	7.15	0.52	0.248	0.017	0.9809	2108	61	1429	89	2911	19	DISC	DISC	50.9	Single Age	
09SFB10b-31																		

09SFB10b-76	532	9.18	0.701	0.058	0.0684	0.0027	-0.24759	533	33	426.2	16	1070	180	DISC	DISC	20.0	Single Age
09SFB10b-77	307	4.18	0.697	0.021	0.0863	0.0027	0.67793	537.8	13	533.5	16	556	16	533.5	16.0	0.8	Single Age
09SFB10b-78	361.3	0.991	0.836	0.022	0.099	0.003	0.61844	616.4	12	608	17	653	21	608.0	17.0	1.4	Single Age
09SFB10b-79	129.6	0.962	0.812	0.044	0.0906	0.0031	0.65825	601	22	559	19	780	58	559.0	19.0	7.0	Single Age
09SFB10b-80	172.8	1.608	5.76	0.16	0.3425	0.0094	0.80189	1939	24	1898	45	2000	20	2000.0	20.0	5.1	Single Age
09SFB10b-81	268	3.47	0.426	0.025	0.0475	0.0024	0.33204	359	18	299.1	15	827	85	DISC	DISC	16.7	Single Age
09SFB10b-82	364.2	5.1	0.582	0.026	0.071	0.0032	0.87961	465	17	442	19	556	23	442.0	19.0	4.9	Single Age
09SFB10b-83	377	1.238	0.3841	0.019	0.05246	0.0024	0.53252	330.6	14	329.6	15	338	21	329.6	15.0	0.3	Single Age
09SFB10b-84	148.8	5.3	0.778	0.023	0.0935	0.0029	0.66898	585.7	14	576	17	639	25	576.0	17.0	1.7	Single Age
09SFB10b-85	744	8.8	0.545	0.031	0.0701	0.0035	0.96711	439	20	436	21	465	20	436.0	21.0	0.7	Single Age
09SFB10b-86	424	3.27	0.618	0.038	0.0639	0.0037	0.92193	487	24	399	22	943	29	DISC	DISC	18.1	Single Age
09SFB10b-87	263.4	1.93	2	0.13	0.1565	0.0075	0.95891	1111	44	941	43	1452	39	DISC	DISC	35.2	Single Age
09SFB10b-88	401.2	1.813	0.3667	0.02	0.04888	0.0024	0.60234	317	15	307.6	15	389	21	307.6	15.0	3.0	Single Age
09SFB10b-89	103.4	2.014	1.079	0.028	0.1204	0.003	0.53757	744	14	732	17	796	22	732.0	17.0	1.6	Single Age
09SFB10b-90	257.7	3.73	0.73	0.021	0.0888	0.0026	0.55416	556.1	12	549.4	15	590	17	549.4	15.0	1.2	Single Age
09SFB10b-91	222	7.32	0.764	0.029	0.0928	0.0029	0.63496	575	16	572	17	604	30	572.0	17.0	0.5	Single Age
09SFB10b-92	483	21.6	0.3871	0.02	0.05183	0.0024	0.71538	332	14	325.7	15	377	20	325.7	15.0	1.9	Single Age
09SFB10b-93	743	4.28	0.5067	0.02	0.0621	0.0024	0.53421	416	13	388.4	15	567	33	388.4	15.0	6.6	Single Age
09SFB10b-94	650	3.485	1.275	0.035	0.1316	0.0036	0.81116	833	16	796	20	944	18	796.0	20.0	4.4	Single Age
09SFB10b-95	252	2.68	1.82	0.033	0.1766	0.0034	0.54805	1053	12	1048	19	1059	17	1059.0	17.0	1.0	Single Age
09SFB10b-96	221	4.78	8.51	0.29	0.429	0.01	0.83343	2295	32	2308	49	2265	31	2265.0	31.0	-1.9	Single Age
09SFB10b-97	171	2.76	1.417	0.083	0.1484	0.0067	0.95669	890	36	890	38	940	29	940.0	29.0	5.3	Single Age
09SFB10b-98	294	1.318	0.801	0.022	0.0942	0.0026	0.56023	596.7	12	581.2	15	654	17	581.2	15.0	2.6	Single Age
09SFB10b-99	377	4.37	0.548	0.02	0.0709	0.0025	0.59948	443.4	13	441.7	15	473	18	441.7	15.0	0.4	Single Age
09SFB10b-100	208	4.06	0.537	0.025	0.0576	0.0027	0.64912	435	17	361	16	830	28	DISC	DISC	17.0	Single Age
09SFB10b-101	218	2.81	0.416	0.023	0.0527	0.0025	0.57631	352.7	16	331.1	15	449	43	331.1	15.0	6.1	Single Age
09SFB10b-102	473	8	0.565	0.043	0.0698	0.003	0.81878	451	25	435	18	508	45	435.0	18.0	3.5	Single Age
09SFB10b-103	314	6.39	0.58	0.049	0.0729	0.0026	0.67086	451	16	453.4	16	472	58	453.4	16.0	-0.5	Single Age
09SFB10b-104	402	4.47	9.18	0.48	0.386	0.015	0.81144	2341	47	2099	72	2546	37	2546.0	37.0	17.6	Single Age
09SFB10b-105	455	0.667	0.721	0.032	0.0874	0.0034	0.8859	552	18	540	20	654	26	540.0	20.0	2.2	Single Age
09SFB10b-106	367	0.872	0.3719	0.02	0.04988	0.0023	0.65809	320.9	15	313.8	14	378	25	313.8	14.0	2.2	Single Age
09SFB10b-107	114.9	3.64	0.581	0.033	0.0545	0.0026	0.29032	463	21	342.3	16	1129	89	DISC	DISC	26.1	Single Age
09SFB10b-108	149.1	3.23	5.09	0.14	0.1021	0.0033	0.84913	1832	23	626	19	3763	13	DISC	DISC	65.8	Single Age
09SFB10b-109	70.4	3.43	0.939	0.065	0.0777	0.0028	0.31486	672	35	482.1	17	1340	120	DISC	DISC	28.3	Single Age
09SFB10b-110	235	9.47	0.553	0.024	0.0677	0.0028	0.76492	446	16	422	17	583	25	422.0	17.0	5.4	Single Age
09SFB10b-111	392	8.62	0.583	0.021	0.0728	0.0025	0.72826	467.2	13	452.8	15	549	18	452.8	15.0	3.1	Single Age
09SFB10b-112	274	2.5	3.061	0.094	0.2148	0.0066	0.84979	1418	24	1257	36	1669	22	DISC	DISC	24.6	Single Age
09SFB10b-113	248	20.2	0.475	0.021	0.0613	0.0025	0.67154	394.5	14	383.8	15	460	20	383.6	15.0	2.8	Single Age
09SFB10b-114	106.4	1.383	0.74	0.026	0.0891	0.0027	0.58303	563	15	551.5	16	599	23	551.5	16.0	2.0	Single Age
09SFB10b-115	313	2.278	0.3364	0.019	0.04556	0.0024	0.58531	294.3	15	287.2	15	345	20	287.2	15.0	2.4	Single Age
09SFB10b-116	596	5.35	0.412	0.023	0.052	0.0027	0.8705	349	17	326.8	17	506	22	326.8	17.0	6.4	Single Age
09SFB10b-117	386	5.02	0.3842	0.02	0.05055	0.0024	0.62917	329.9	14	317.9	15	409	18	317.9	15.0	3.6	Single Age
09SFB10b-118	442	2.34	0.666	0.022	0.083	0.0027	0.70253	517.8	14	513.8	16	543	20	513.8	16.0	0.8	Single Age
09SFB10b-119	516	10.51	0.489	0.021	0.0628	0.0027	0.74047	404.3	14	392.3	16	489	25	392.3	16.0	3.0	Single Age
09SFB10b-120	92.7	2.89	1.177	0.028	0.1268	0.0031	0.5677	789	13	769	18	823	20	769.0	18.0	2.5	Single Age
09SFB10b-121	187	3.37	0.3977	0.021	0.04927	0.0024	0.49571	339.6	15	310	15	555	26	310.0	15.0	8.7	Single Age
09SFB10b-122	119	4.22	1.832	0.035	0.1728	0.0038	0.57736	1056	12	1027	21	1132	19	1132.0	19.0	9.3	Single Age
09SFB10b-123	78.6	1.134	0.776	0.034	0.0894	0.0034	0.75189	581	19	552	20	698	34	552.0	20.0	5.0	Single Age
09SFB10b-124	543	2.66	0.3616	0.019	0.04814	0.0024	0.60165	313.3	14	303.1	15	379	22	303.1	15.0	3.3	Single Age
09SFB10b-125	472	25.9	0.59	0.024	0.0723	0.0028	0.77794	470.3	15	449.7	17	556	23	449.7	17.0	4.4	Single Age
09SFB10b-126	727	85	0.463	0.021	0.0603	0.0026	0.72826	385.8	15	377.4	16	423	21	377.4	16.0	2.2	Single Age
09SFB10b-127	527	7.3	0.653	0.033	0.08	0.0035	0.9149	512	20	496	21	556	27	496.0	21.0	3.1	Single Age
09SFB10b-128	225	3.6	0.56	0.021	0.07238	0.0024	0.44207	450.8	14	451.3	15	446	22	451.3	15.0	-0.1	Single Age
09SFB10b-129	333	5.3	0.702	0.03	0.0808	0.0027	0.75411	538	18	500.7	16	707	42	500.7	16.0	6.9	Single Age
09SFB10b-130	195	10.26	0.632	0.024	0.0788	0.0027	0.69066	496.9	15	488.7	16	544	19	488.7	16.0	1.7	Single Age
09SFB10b-131	1355	3.35	0.2804	0.019	0.03854	0.0023	0.58664	251.4	15	243.7	14	312	22	243.7	14.0	3.1	Single Age
09SFB10b-132	349.9	3.692	0.6157	0.021	0.0758	0.0025	0.55147	486.8	13	470.8	15	561	18	470.8	15.0	3.3	Single Age
09SFB10b-133	527.9	15.03	0.51	0.027	0.0631	0.0028	0.8501	418	18	394.4	17	557	43	394.4	17.0	5.6	Single Age
09SFB10b-134	213.8	5.32	0.583	0.021	0.0716	0.0025	0.35353	466.2	14	445.7	15	567	27	445.7	15.0	4.4	Single Age
09SFB10b-135	1330	14.62	0.515	0.036	0.0637	0.0044	0.95196	418	25	397	27	551	33	397.0	27.0	5.0	Single Age
09SFB10b-136	244.5	8.64	1.837	0.057	0.1259	0.0034	0.79357	1059	20	764	19	1726	32	DISC	DISC	27.9	Single Age
09SFB10b-137	479	7.37	0.5234	0.021	0.0669	0.0025	0.72503	427.9	14	417.3	15	485	15	417.3	15.0	2.5	Single Age
09SFB10b-138	231	3.11	0.606	0.022	0.0743	0.0026	0.69672	480.4	14	461.8	16	573	20	461.8	16.0	3.9	Single Age
09SFB10b-139	372	2.84	0.532	0.029	0.0621	0.0029	0.76001	431	19	388	17	713	38	388.0	17.0	10.0	Single Age
09SFB10b-140	329	7.8	0.589	0.024	0.0675	0.0026	0.35054	472	16	421.1	16	699	45	DISC	DISC	10.8	Single Age
09SFB10b-141	74.8	1.422	8.06	0.2	0.3617	0.0073	0.83994	2238	22	1989	35	2480	13	2480.0	13.0	19.8	Single Age
09SFB10b-142	692	1.3	2.639	0.066	0.16	0.0038	0.8816	1309	19	959	20	1935	18	DISC	DISC	50.4	Single Age
09SFB10b-143	549.5	1.84	0.3931	0.019	0.05131	0.0024	0.50484	336.5	14	322.5	14	433	19	322.5	14.0	4.2	Single Age
09SFB10b-144	130.4	1.825	0.594	0.022	0.0738	0.0025	0.44339	473.3	14	459.2	15	560	23	459.2	15.0	3.0	Single Age
09SFB10b-145	328	71.1	0.426	0.021	0.05646	0.0025	0.55853	361.5	15	354	15	409	24	354.0	15.0	2.1	Single Age
09SFB10b-146	528	11.1	0.4885	0.02	0.0629	0.0025	0.37388	404.5	13	393.9	15	480	29	393.9	15.0	2.6	Single Age
09SFB10b-147	453	6.8	0.726	0.04	0.0799	0.003	0.64294										

09SFB02-33	130.1	1.161	0.88	0.018	0.1035	0.0016	0.41522	640.6	9.6	634.7	9.5	650	23	634.7	9.5	0.9	Single Age
09SFB02-34	463	263	0.462	0.017	0.0633	0.0022	0.68993	385	12	397	13	344	36	397.0	13.0	3.1	Single Age
09SFB02-35	178.9	2.295	0.415	0.015	0.0558	0.0016	0.31918	352.4	10	349.9	9.9	391	47	349.9	9.9	0.7	Single Age
09SFB02-36	131.3	0.3257	0.012	0.04513	0.0014	0.49287	286.1	9.2	284.5	8.5	315	28	284.5	8.5	0.6	Single Age	
09SFB02-37	321	7.32	0.4349	0.013	0.058	0.0015	0.60453	366.5	9.4	363.2	9.2	392	17	363.2	9.2	0.9	Single Age
09SFB02-38	155	5.39	0.575	0.019	0.0735	0.002	0.75368	461	12	457	12	504	27	457.0	12.0	0.9	Single Age
09SFB02-39	117.1	1.134	0.998	0.021	0.1123	0.0018	0.60249	702.2	11	685.9	10	764	17	685.9	10.0	2.3	Single Age
09SFB02-40	299	1.69	0.861	0.018	0.1029	0.0019	0.5606	630.3	9.8	631.2	11	644	18	631.2	11.0	0.1	Single Age
09SFB02-41	548	12.2	0.5862	0.012	0.0752	0.0015	0.66361	468.2	7.8	467.6	9	468	13	467.6	9.0	0.1	Single Age
09SFB02-42	240	16.62	0.605	0.015	0.0767	0.0018	0.612	480.2	9.5	476.1	11	508	24	476.1	11.0	0.9	Single Age
09SFB02-43	117.7	1.605	0.823	0.017	0.096	0.0016	0.68494	609.2	9.3	590.7	9.7	676	16	590.7	9.7	3.0	Single Age
09SFB02-44	194	2.75	0.575	0.029	0.0748	0.003	0.58973	460	19	465	18	437	48	465.0	18.0	1.1	Single Age
09SFB02-45	156.4	22.9	0.741	0.015	0.0911	0.0019	0.55688	562.6	8.7	562.1	11	561	19	562.1	11.0	0.1	Single Age
09SFB02-46	84.7	1.291	0.868	0.024	0.0994	0.0017	0.45465	634	13	610.7	9.8	747	31	610.7	9.8	3.7	Single Age
09SFB02-47	283	3.19	0.603	0.02	0.0771	0.0021	0.59026	479	12	478	13	502	38	478.0	13.0	0.2	Single Age
09SFB02-48	95	2.154	0.767	0.024	0.0934	0.0023	0.61957	577	14	576	14	604	22	576.0	14.0	0.2	Single Age
09SFB02-49	252	12	12.12	0.17	0.4847	0.0062	0.77069	2613	13	2550	27	2668	11	2668.0	11.0	4.4	Single Age
09SFB02-50	386	3.96	0.5721	0.013	0.0738	0.0016	0.64794	459.1	8.6	458.8	9.8	469	15	458.8	9.8	0.1	Single Age
09SFB02-52	161	35.6	9.62	0.32	0.412	0.016	0.83918	2401	32	2220	70	2528	31	2528.0	31.0	12.2	Single Age
09SFB02-53	37	1.113	0.836	0.033	0.0974	0.0025	0.36136	616	18	599	15	678	48	599.0	15.0	2.8	Single Age
09SFB02-54	112	12.5	0.618	0.026	0.0779	0.0029	0.8312	488	16	484	17	545	39	484.0	17.0	0.8	Single Age
09SFB02-55	130	1.486	0.756	0.018	0.0921	0.0021	0.70221	571.9	10	568	12	609	17	568.0	12.0	0.7	Single Age
09SFB02-56	208.4	2.41	1.197	0.02	0.1276	0.0022	0.77922	798.8	9.1	774	12	858	13	774.0	12.0	3.1	Single Age
09SFB02-57	177.7	1.46	0.896	0.031	0.0977	0.0017	0.48049	648	16	601.1	9.9	843	54	601.1	9.9	7.2	Single Age
09SFB02-59	230.1	2.88	0.039	0.0097	0.0061	0.0011	0.1496	38.9	9.5	39.19	6.8	255	52	DISC	DISC	0.7	Single Age
09SFB02-61	240	6.64	0.89	0.03	0.1057	0.0027	0.54749	645	16	647	16	653	31	647.0	16.0	0.3	Single Age
09SFB02-62	153	7.58	0.574	0.015	0.0727	0.0017	0.53775	460	9.5	453.2	9.7	514	21	453.2	9.7	1.5	Single Age
09SFB02-63	404	5.16	0.5684	0.012	0.07236	0.0014	0.49188	456.8	7.9	450.3	8.4	489	24	450.3	8.4	1.4	Single Age
09SFB02-64	171.1	16.24	1.667	0.029	0.1646	0.0031	0.66519	996	11	962	17	1029	13	1029.0	13.0	4.6	Single Age
09SFB02-65	522	3.92	0.785	0.012	0.0957	0.0015	0.60201	588.2	6.9	588.8	8.6	586	12	588.8	8.6	0.1	Single Age
09SFB02-66	52.8	1.358	0.671	0.016	0.0834	0.0017	0.43604	520.9	8.8	516.2	10	570	23	516.2	10.0	0.9	Single Age
09SFB02-67	566	6.23	0.5992	0.014	0.0746	0.0017	0.74575	476.5	8.6	463.8	10	546	15	463.8	10.0	2.7	Single Age
09SFB02-68	250.6	2.106	0.32	0.011	0.04443	0.0012	0.16712	281.8	8.2	280.2	7.4	294	23	280.2	7.4	0.6	Single Age
09SFB02-69	150.8	2.259	0.3431	0.012	0.0451	0.0012	0.47879	299.3	8.8	284.3	7.3	434	23	284.3	7.3	5.0	Single Age
09SFB02-70	121.5	3.13	0.987	0.018	0.1146	0.002	0.20936	696.9	9.3	699.1	12	693	25	699.1	12.0	0.3	Single Age
09SFB02-71	32.59	3.162	0.98	0.025	0.1133	0.0022	0.22489	692	13	692	13	700	29	692.0	13.0	0.0	Single Age
09SFB02-72	262	3.38	2.55	0.21	0.184	0.012	0.96225	1280	61	1085	67	1637	30	DISC	DISC	33.7	Single Age
09SFB02-73	245.4	2.18	5.36	0.13	0.2967	0.007	0.93008	1882	22	1669	35	2109.7	7.8	DISC	DISC	20.9	Single Age
09SFB02-74	154	1.689	0.148	0.014	0.00717	0.0011	0.35714	139.2	13	46.1	6.8	2260	100	DISC	DISC	66.9	Single Age
09SFB02-75	181.3	5.04	0.6209	0.013	0.077	0.0015	0.35054	490.2	7.9	478.3	8.8	554	20	478.3	8.8	2.4	Single Age
09SFB02-76	337	2.07	0.613	0.016	0.0774	0.0019	0.80034	485.4	10	480.5	12	522	16	480.5	12.0	1.0	Single Age
09SFB02-77	192	3.26	0.6859	0.013	0.08565	0.0014	0.56113	530.1	7.9	529.7	8.5	533	17	529.7	8.5	0.1	Single Age
09SFB02-78	327	2.867	0.364	0.012	0.05031	0.0014	0.70356	315.9	9.5	316.4	8.6	316	17	316.4	8.6	0.2	Single Age
09SFB02-79	241	4.52	0.661	0.014	0.0835	0.0017	0.46215	515	8.7	516.7	10	518	18	516.7	10.0	0.3	Single Age
09SFB02-80	662	35.5	0.606	0.022	0.0772	0.002	0.53963	481	14	479.2	12	481	29	479.2	12.0	0.4	Single Age
09SFB02-81	340	15.45	0.6034	0.013	0.0772	0.0017	0.68246	479.8	8	479.4	9.9	485	15	479.4	9.9	0.1	Single Age
09SFB02-83	158	5.31	0.729	0.029	0.0831	0.0027	0.87152	554	17	514	16	718	26	514.0	16.0	7.2	Single Age
09SFB02-84	174	5.62	7.39	0.42	0.33	0.013	0.94009	2153	52	1838	65	2475	30	DISC	DISC	25.7	Single Age
09SFB02-85	189	2.18	0.843	0.014	0.10233	0.0014	0.39353	620.7	7.9	628	8.5	580	14	628.0	8.5	1.2	Single Age
09SFB02-86	392.6	5.94	0.5576	0.012	0.07174	0.0013	0.61646	449.9	7.8	446.6	8.1	468	16	446.6	8.1	0.7	Single Age
09SFB02-87	1207	5.42	0.2565	0.012	0.03472	0.0014	0.84654	231.7	9.6	220	8.7	355	19	220.0	8.7	5.0	Single Age
09SFB02-88	778	1.965	0.5935	0.013	0.0741	0.0016	0.73247	472.9	8.3	460.8	9.3	521	19	460.8	9.3	2.6	Single Age
09SFB02-89	336	3.52	0.657	0.02	0.083	0.0025	0.79781	513	12	514	15	508	20	514.0	15.0	0.2	Single Age
09SFB02-90	92.1	1.69	0.617	0.016	0.0774	0.0015	0.49677	487.4	10	480.8	9.1	526	21	480.8	9.1	1.4	Single Age
09SFB02-91	148.7	8.59	0.6	0.014	0.0762	0.0016	0.52599	476.9	8.8	473.5	9.4	514	26	473.5	9.4	0.7	Single Age
09SFB02-92	241.7	3.36	0.633	0.014	0.0758	0.0019	0.34712	497.9	8.6	470.9	12	618	30	470.9	12.0	5.4	Single Age
09SFB02-93	439.3	2.34	0.0384	0.0097	0.005773	0.0011	0.13009	38.2	9.5	37.11	6.8	214	42	DISC	DISC	2.9	Single Age
09SFB02-94	545	0.989	0.766	0.015	0.0909	0.0018	0.70418	578.5	8.5	562	11	647	16	562.0	11.0	2.9	Single Age
09SFB02-95	348	4.55	0.5302	0.012	0.06755	0.0014	0.29682	431.8	8	421.3	8.4	481	24	421.3	8.4	2.4	Single Age
09SFB02-96	236.8	5.42	0.7401	0.013	0.08693	0.0014	0.67875	541	7.8	537.3	8.4	542	12	537.3	8.4	0.7	Single Age
09SFB02-97	291	3.65	0.3403	0.013	0.04521	0.0014	0.74859	298	10	285	8.7	398	25	285.0	8.7	4.4	Single Age
09SFB02-98	244.4	2.669	0.2603	0.011	0.03637	0.0011	0.27076	234.8	8.7	230.3	7.1	291	31	230.3	7.1	1.9	Single Age
09SFB02-99	340	1.241	0.755	0.014	0.0923	0.0015	0.70625	571.6	8.4	570.2	8.6	593	12	570.2	8.6	0.2	Single Age
09SFB02-100	94.6	2.73	0.3373	0.012	0.04701	0.0012	-0.11152	294.9	8.9	296.1	7.5	289	27	296.1	7.5	0.4	Single Age
09SFB02-101	120	3.193	0.785	0.025	0.0955	0.0025	0.80825	587	14	588	15	613	20	588.0	15.0	0.2	Single Age
09SFB02-102	197	3.173	0.341	0.011	0.04731	0.0013	0.44639	297.8	8.7	297.9	7.8	305	25	297.9	7.8	0.0	Single Age
09SFB02-103	232	2.09	0.3087	0.01	0.04291	0.0012	0.4503	273.5	7.8	270.8	7.7	315	22	270.8	7.7	1.0	Single Age
09SFB02-104	385	2.616	0.341	0.011	0.04716	0.0012	0.44983	297.8	8	297.1	7.5	315	18	297.1	7.5	0.2	Single Age
09SFB02-105	109.3	2.36	3.85	0.19	0.244	0.01	0.96976	1597	40	1402	54	1868	17	DISC	DISC	24.9	Single Age
09SFB02-106	121.3	1.453	1.779	0.022	0.1728	0.0025	0.69039	1037	8	1028	14	1056	12	1056.0	12.0	2.7	Single Age
09SFB02-107	129.2	5.1	0.585	0.014	0.07547	0.0013	0.35984	467	9.2	469	8.1	472	23	469.0	8.1	0.4	Single Age
09SFB02-108	273	1.47	0.776	0.021	0.094	0.0022	0.82209	582	12	579	13	599	20	579.0	13.0	0	

09SFB02-146	233	6.43	0.5834	0.012	0.0754	0.0015	0.61255	466.4	7.8	468.3	8.8	467	16	468.3	8.8	0.4	Single Age
09SFB02-147	14.92	13.71	0.594	0.026	0.0732	0.0023	0.34087	471	16	455	14	546	40	455.0	14.0	3.4	Single Age
09SFB02-148	135	4.74	4.07	0.29	0.254	0.014	0.97748	1641	60	1455	73	1882	35	DISC	DISC	22.7	Single Age
09SFB02-149	503	10.6	0.753	0.057	0.0868	0.0055	0.97504	564	34	535	33	692	30	535.0	33.0	5.1	Single Age
09SFB02-150	186	2.61	0.349	0.026	0.0471	0.0017	-0.087061	296	12	296.5	11	354	78	296.5	11.0	0.2	Single Age
09SFB02-151	448	1.994	0.6279	0.013	0.0793	0.0016	0.74185	494.5	8.4	491.9	9.8	521	14	491.9	9.8	0.5	Single Age
09SFB02-152	212.3	3.088	0.617	0.012	0.0783	0.0016	0.37987	487.8	7.8	486	9.6	507	17	486.0	9.6	0.4	Single Age
09SFB02-153	480	2.05	0.89	0.016	0.1059	0.0016	0.6341	646	8.7	649.5	9.8	653.5	9.9	649.5	9.8	0.5	Single Age
09SFB02-154	419.1	16.6	0.803	0.017	0.0956	0.0018	0.82455	599.3	9.3	589.7	11	637	11	589.7	11.0	1.6	Single Age
09SFB02-155	353	11.8	0.567	0.027	0.0729	0.0032	0.94791	454	18	453	19	485	16	453.0	19.0	0.2	Single Age
09SFB02-156	195	2.052	0.913	0.018	0.1051	0.0017	0.62479	659	9.5	644	10	691	22	644.0	10.0	2.3	Single Age
09SFB02-157	843	15.5	0.3317	0.011	0.04335	0.0012	0.47222	290.8	8.4	273.5	7.6	457	23	273.5	7.6	5.9	Single Age
09SFB02-158	363	5.14	0.763	0.015	0.0932	0.0015	0.6018	575.9	8.6	574.5	9	580	17	574.5	9.0	0.2	Single Age
09SFB02-159	203	3.51	0.824	0.015	0.0991	0.0019	0.70846	610	8.4	609.2	11	624	14	609.2	11.0	0.1	Single Age
09SFB02-160	285.3	1.58	0.891	0.018	0.1075	0.0024	0.59848	646.6	9.6	658	14	601	22	658.0	14.0	1.8	Single Age
09SFB02-161	204	2.565	0.9	0.024	0.098	0.0025	0.68075	653	13	603	14	804	22	603.0	14.0	7.7	Single Age

Sample Name:		09-SFB-43																	
Northern Helvetic Flysch (35 ± 3 Ma)				Isotopic Ratios					Apparent Ages (Ma)										
U		U/Th		207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or	
Grain #	(ppm)			235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age	
SFB43_1	394	16.8		0.6249	0.0082	0.07829	0.00097	0.43504	492.9	5.1	485.9	5.8	527	29	485.9	5.8	1.4	Rim	
SFB43_1	100	5.2		0.6958	0.0094	0.08679	0.00089	0.36384	536.1	5.6	536.5	5.3	522	32	536.5	5.3	-0.1	Core	
SFB43_2	394	0.62		0.782	0.011	0.09477	0.00081	0.58259	588	6.5	583.7	4.7	600	23	583.7	4.7	0.7	Single Age	
SFB43_3	302.7	1.341		0.03778	0.00092	0.005668	0.00079	0.086616	37.65	0.9	36.44	0.5	102	61	36.4	0.5	3.2	Single Age	
SFB43_4	307	1.55		0.8627	0.0075	0.10231	0.00077	0.78616	631.5	4.1	627.9	4.5	645	15	627.9	4.5	0.6	Single Age	
SFB43_5	307.3	39.3		0.344	0.0073	0.04605	0.00061	0.68776	300.2	5.5	290.2	3.7	377	39	290.2	3.7	3.3	Single Age	
SFB43_6	141.9	4.63		0.5092	0.0055	0.06647	0.00048	0.37165	417.8	3.7	414.8	2.9	429	23	414.8	2.9	0.7	Single Age	
SFB43_7	212	1.278		14.08	0.13	0.5063	0.005	0.70257	2755	8.7	2641	21	2838	13	2838.0	13.0	6.9	Single Age	
SFB43_8	578	0.96		0.03549	0.00058	0.005525	0.000058	0.024664	35.4	0.57	35.52	0.37	40	41	35.5	0.4	-0.3	Single Age	
SFB43_9	147	2		0.623	0.017	0.0785	0.0021	0.94707	491	11	487	12	514	18	487.0	12.0	0.8	Single Age	
SFB43_10	279.8	6.8		0.6663	0.0047	0.08158	0.00046	0.37702	518.4	2.9	505.6	2.8	582	16	505.6	2.8	2.5	Single Age	
SFB43_12	318.6	31.2		0.8747	0.0073	0.1027	0.0011	0.46356	638.1	3.9	630.3	6.7	659	22	630.3	6.7	1.2	Rim	
SFB43_12	187	2.03		1.191	0.024	0.1311	0.0022	0.80127	798	11	794	13	808	25	794.0	13.0	0.5	Core	
SFB43_13	750	3.11		0.3134	0.0019	0.04347	0.00028	0.59045	276.8	1.5	274.3	1.8	300	13	274.3	1.8	0.9	Single Age	
SFB43_14	669	0.901		0.7659	0.0082	0.0906	0.0011	0.84397	577.3	4.7	559	6.6	656	15	559.0	6.6	8.6	Single Age	
SFB43_15	409	30.8		0.5461	0.004	0.06942	0.00039	0.52032	442.4	2.6	432.7	2.4	494	15	432.7	2.4	2.2	Single Age	
SFB43_16	320	2.83		0.668	0.018	0.0813	0.0017	0.91721	519	11	504	10	581	25	504.0	10.0	2.9	Single Age	
SFB43_17	161.2	0.98		0.8024	0.0089	0.0969	0.001	0.53507	598.1	5	596	6	601	25	596.0	6.0	0.4	Single Age	
SFB43_18	453	64		0.4362	0.0073	0.05775	0.0007	0.87443	367.4	5.2	361.9	4.3	392	17	361.9	4.3	1.5	Single Age	
SFB43_19	124.2	0.36		0.7143	0.0062	0.08701	0.00065	0.54308	547.7	3.8	537.8	3.8	582	20	537.8	3.8	1.8	Single Age	
SFB43_20	373	9.04		0.588	0.012	0.07497	0.00082	0.84779	469.1	7.4	466	4.9	512	34	466.0	4.9	0.7	Single Age	
SFB43_21	43.3	0.979		0.821	0.015	0.0983	0.0011	0.55256	608.3	8.5	604.3	6.6	626	34	604.3	6.6	0.7	Single Age	
SFB43_22	70.7	1.378		1.705	0.027	0.1646	0.0027	0.62874	1010	10	982	15	1083	28	1083.0	28.0	9.3	Single Age	
SFB43_23	23.2	0.307		0.769	0.015	0.0958	0.0015	0.3013	578.6	8.5	589.8	8.8	533	43	589.8	8.8	-1.9	Single Age	
SFB43_24	218.1	1.32		6.093	0.056	0.3542	0.0033	0.81748	1989	8	1954	16	2025	13	2025.0	13.0	3.5	Single Age	
SFB43_25	1306	78.1		0.3588	0.0028	0.04897	0.00036	0.80855	311.3	2.1	308.2	2.2	340	10	308.2	2.2	1.0	Single Age	
SFB43_26	215	1.1		0.891	0.025	0.1028	0.0013	0.22383	646	13	630.6	7.5	662	39	630.6	7.5	2.4	Single Age	
SFB43_27	231.3	1.89		0.7802	0.005	0.0941	0.00064	0.41744	585.5	2.9	579.7	3.8	608	15	579.7	3.8	1.0	Single Age	
SFB43_28	613	4.18		0.3154	0.003	0.04328	0.00038	0.66283	278.3	2.3	273.1	2.3	325	18	273.1	2.3	1.9	Single Age	
SFB43_29	163	1.227		0.7063	0.0066	0.0842	0.00069	0.33145	542.4	3.9	521.1	4.1	613	18	521.1	4.1	3.9	Single Age	
SFB43_30	248.9	1.488		0.0392	0.0016	0.005561	0.000098	0.42855	39	1.6	35.75	0.63	254	90	35.8	0.6	8.3	Single Age	
SFB43_31	464	4.88		0.3153	0.0028	0.04374	0.00031	0.62992	278.2	2.2	276	1.9	291	16	276.0	1.9	0.8	Single Age	
SFB43_32	175.5	2.652		0.6038	0.005	0.077	0.00061	0.69534	479.6	3.2	478.2	3.7	476	15	478.2	3.7	0.3	Single Age	
SFB43_33	186	1.346		0.0372	0.0018	0.005076	0.00014	-0.01487	37.1	1.7	37.02	0.92	56	92	37.0	0.9	0.2	Rim	
SFB43_33	92.4	0.491		5.092	0.058	0.3204	0.0031	0.8073	1836	9.2	1791	15	1876	12	1876.0	12.0	4.5	Core	
SFB43_34	1068	70		1.123	0.17	0.1161	0.0081	0.99466	809	79	707	47	1070	150	DISC	DISC	12.6	Single Age	
SFB43_35	314	1.258		0.8434	0.0057	0.10032	0.00073	0.47426	621	3.2	616.2	4.3	627	17	616.2	4.3	0.8	Single Age	
SFB43_36	249	5.13		0.5749	0.0083	0.07431	0.00099	0.82216	460.9	5.3	462	5.9	444	18	462.0	5.9	-0.2	Single Age	
SFB43_37	204	0.903		0.7815	0.0081	0.09433	0.00058	0.47586	586.2	4.6	581.1	3.4	598	19	581.1	3.4	0.9	Single Age	
SFB43_38	388	1.821		0.3366	0.003	0.04687	0.00038	0.25411	294.5	2.2	295.3	2.4	284	18	295.3	2.4	-0.3	Single Age	
SFB43_39	42.1	1.68		6.012	0.079	0.3396	0.0046	0.60827	1977	11	1884	22	2067	19	2067.0	19.0	8.9	Single Age	
SFB43_40	340	8.9		0.6277	0.0072	0.08038	0.00082	0.64086	494.6	4.5	498.4	4.9	481	20	498.4	4.9	-0.8	Single Age	
SFB43_41	103.43	0.845		0.836	0.014	0.0986	0.0011	0.57681	617	7.5	606.2	6.5	641	23	606.2	6.5	1.8	Single Age	
SFB43_42	57.89	1.166		1.533	0.015	0.1546	0.0015	0.44731	943.7	5.9	926.8	8.3	981	19	981.0	19.0	5.5	Single Age	
SFB43_43	777	13.56		0.5325	0.0057	0.06805	0.00076	0.76875	433.9	3.8	424.4	4.6	474	14	424.4	4.6	2.2	Single Age	
SFB43_44	550	1.11		0.742	0.035	0.08719	0.00087	0.43129	555	14	538.9	5.2	631	52	538.9	5.2	2.9	Single Age	
SFB43_45	322	2.78		0.6074	0.0064	0.07666	0.00089	0.73301	481.9	4	476.1	5.4	486	24	476.1	5.4	1.2	Single Age	
SFB43_46	494	107		0.469	0.04	0.0617	0.0043	0.93809	390	28	386	26	451	72	386.0	26.0	1.0	Rim	
SFB43_46	74.8	1.125		12.62	0.15	0.4822	0.0059	0.77068	2654	11	2536	26	2739	15	2739.0	15.0	7.4	Core	
SFB43_47	52.3	1.068		11.649	0.075	0.4747	0.0038	0.74071	2576	6	2504	17	2631	9.5	2631.0	9.5	4.8	Single Age	
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SFB43_84	214	1.634	0.951	0.012	0.1028	0.0013	0.015153	678.4	6.3	630.8	7.4	817	30	630.8	7.4	7.0	Core
SFB43_86	1220	15	0.5567	0.0038	0.0712	0.00048	0.61004	449.4	2.5	443.4	2.9	483	14	443.4	2.9	1.3	Single Age
SFB43_87	999	59	0.419	0.011	0.0554	0.0016	0.7895	355.3	7.6	347.5	9.7	380	34	347.5	9.7	2.2	Rim
SFB43_87	100.3	1.487	0.7588	0.0085	0.09191	0.00087	0.44596	573.2	4.9	566.8	5.1	589	23	566.8	5.1	1.1	Core
SFB43_88	46.2	1.184	1.312	0.014	0.1414	0.0012	0.313	850.9	6.1	852.3	6.7	849	24	849.0	6.7	-0.2	Single Age
SFB43_89	855	3.376	0.3496	0.0022	0.04851	0.00032	0.54908	304.6	1.7	305.3	2	310	15	305.3	2.0	-0.2	Single Age
SFB43_90	288	3.52	0.5769	0.0055	0.07386	0.00064	0.58386	462.4	3.6	459.3	3.8	482	18	459.3	3.8	0.7	Single Age
SFB43_91	1127	2.11	0.3253	0.0035	0.04494	0.00038	0.64573	285.9	2.7	283.8	2.2	311	22	283.8	2.2	0.7	Single Age
SFB43_93	285.2	1.842	0.864	0.03	0.0963	0.0016	0.81875	631	16	592.7	9.3	772	50	592.7	9.3	6.1	Single Age
SFB43_94	799	2.98	0.4579	0.0059	0.06031	0.00079	0.81717	382.7	4.1	377.5	4.8	414	19	377.5	4.8	1.4	Single Age
SFB43_95	598	1.984	0.5355	0.007	0.06835	0.00095	0.83224	435.3	4.6	426.2	5.7	494	17	426.2	5.7	2.1	Single Age
SFB43_96	129	1.292	0.862	0.01	0.1027	0.001	0.53759	631	5.5	630.1	6.1	639	24	630.1	6.1	0.1	Single Age
SFB43_97	99	1.294	0.6976	0.008	0.08708	0.00092	0.55647	537.2	4.8	538.2	5.5	530	22	538.2	5.5	-0.2	Single Age
SFB43_98	674	47	0.4282	0.0086	0.0575	0.001	0.86467	361.8	6.1	360.7	6.2	382	24	360.7	6.2	0.3	Rim
SFB43_98	84.2	1.136	1.046	0.012	0.1201	0.0011	0.041204	727.7	5.6	731.4	6.2	728	27	731.4	6.2	-0.5	Core
SFB43_99	159	1.125	0.7997	0.0083	0.09682	0.00071	0.22942	596.5	4.7	595.7	4.1	612	25	595.7	4.1	0.1	Single Age
SFB43_100	135	0.96	0.733	0.011	0.0896	0.0011	0.47869	558.6	6.1	553.1	6.4	580	27	553.1	6.4	1.0	Single Age
SFB43_101	743	3.214	0.3427	0.0022	0.0475	0.00025	0.65255	299.2	1.6	299.1	1.6	297	12	299.1	1.6	0.0	Single Age
SFB43_102	260	1.257	0.03734	0.00098	0.005762	0.000088	0.025078	37.21	0.96	37.04	0.56	30	58	37.0	0.6	0.5	Single Age
SFB43_104	381	1.893	4.018	0.042	0.2389	0.0029	0.82999	1638	8.6	1381	15	1965	11	DISC	DISC	29.7	Single Age
SFB43_105	451	6.3	0.9414	0.008	0.10923	0.00089	0.72961	673.5	4.2	668.3	5.2	682	13	668.3	5.2	0.8	Single Age
SFB43_106	293	2.13	1.792	0.02	0.1721	0.0024	0.41602	1043	7.2	1023	13	1063	27	1063.0	27.0	3.8	Single Age
SFB43_107	59.7	1.148	1.379	0.048	0.1339	0.0018	0.60445	879	20	810	10	1070	53	810.0	10.0	7.8	Single Age
SFB43_108	272	2.16	6.696	0.07	0.3623	0.0038	0.88364	2072	9.2	1993	18	2148.8	8.8	2148.8	8.8	7.3	Single Age
SFB43_109	279	47.8	0.852	0.015	0.0998	0.0013	0.81716	625.5	8	613	7.7	668	24	613.0	7.7	2.0	Single Age
SFB43_110	231	1.647	0.8112	0.006	0.07771	0.00063	0.39774	484.2	3.8	482.4	3.8	477	20	482.4	3.8	0.4	Single Age
SFB43_111	194	1.829	0.6206	0.0096	0.0749	0.00051	0.54906	489.9	6	465.6	3.1	607	29	465.6	3.1	5.0	Single Age
SFB43_112	370	4.18	0.5558	0.0076	0.07037	0.00088	0.86666	448.7	4.9	438.4	5.3	497	16	438.4	5.3	2.3	Single Age
SFB43_113	246	35.6	0.8289	0.0075	0.09964	0.00082	0.36234	612.9	4.2	612.3	4.8	607	22	612.3	4.8	0.1	Single Age
SFB43_114	252	3.556	0.7405	0.0066	0.08983	0.00079	0.51696	562.6	3.9	554.5	4.6	579	17	554.5	4.6	1.4	Single Age
SFB43_115	363.1	0.739	0.777	0.019	0.0895	0.0011	0.5054	583	11	552.5	6.2	682	33	552.5	6.2	5.2	Single Age
SFB43_116	337	5.05	0.57	0.0046	0.07303	0.00049	0.17262	458	3	454.4	2.9	462	19	454.4	2.9	0.8	Single Age
SFB43_117	289	1.963	0.9006	0.0093	0.1053	0.0012	0.71623	651.9	5	645.3	6.9	660	20	645.3	6.9	1.0	Single Age
SFB43_118	341	2.15	0.3352	0.0064	0.04506	0.00058	0.24526	293.5	4.9	284.1	3.6	351	32	284.1	3.6	3.2	Rim
SFB43_118	189.5	1.169	1.052	0.019	0.1163	0.0016	0.79042	729.6	9.3	709.3	9.1	795	22	709.3	9.1	2.8	Core
SFB43_119	385	1.973	0.7909	0.0096	0.0947	0.00077	0.091927	591.5	5.4	583.2	4.6	609	24	583.2	4.6	1.4	Single Age
SFB43_120	497	9.1	0.5808	0.0042	0.07453	0.00051	0.37288	464.9	2.7	463.4	3.1	468	16	463.4	3.1	0.3	Single Age

Thun Section

Sample Name:		OA-13-SFB03																			
Lower Freshwater Molasse I (27 ± 0.5 Ma)		Isotopic Ratios						Apparent Ages (Ma)													
	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or				
Grain #	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age				
SFB03_1	175	1.77	0.781	0.013	0.0933	0.0013	0.29388	586.7	7.5	574.8	7.4	628	40	574.8	7.4	2.0	Single Age				
SFB03_2	286	5.1	5.51	0.069	0.3311	0.0042	0.78121	1904	12	1843	20	1983	19	1983	19	7.1	Single Age				
SFB03_3	207	7.12	0.701	0.012	0.0856	0.001	0.29297	539.6	7.3	529.6	6	560	36	529.6	6	1.9	Single Age				
SFB03_4	290	131.9	0.3703	0.0061	0.05239	0.00057	0.15374	319.7	4.5	329.2	3.5	269	40	329.2	3.5	3.0	Single Age				
SFB03_5	331	1.3	0.749	0.01	0.0916	0.001	0.38519	569.3	5.5	565.1	6.2	571	30	565.1	6.2	0.7	Single Age				
SFB03_6	207	0.709	1.718	0.036	0.1717	0.003	0.61942	1016	13	1021	16	1031	36	1031	36	1.0	Single Age				
SFB03_7	85.6	0.8029	24.12	0.24	0.6511	0.0085	0.66767	3274.2	9.4	3237	34	3304	15	3304	15	2.0	Single Age				
SFB03_8	666	1.531	0.4013	0.0098	0.0498	0.0015	0.75263	342.3	7.1	313.4	9.1	531	41	313.4	9.1	8.4	Single Age				
SFB03_9	132.7	1.633	0.32	0.01	0.04363	0.00086	0.45165	281.2	7.8	275.2	5.3	306	61	275.2	5.3	2.1	Single Age				
SFB03_10	663	95	0.365	0.027	0.0489	0.0028	0.66477	316	20	308	17	380	120	308	17	2.5	Rim				
SFB03_10	325	7.31	0.5217	0.0093	0.0682	0.0011	0.4951	428.9	6	425	6.9	443	41	425	6.9	0.9	Core				
SFB03_11	49.1	2.131	0.287	0.014	0.0379	0.0012	0.21016	255	11	239.6	7.5	430	120	239.6	7.5	6.0	Single Age				
SFB03_12	111.9	0.824	0.684	0.023	0.0841	0.0015	0.29133	529	14	520.4	9	560	66	520.4	9	1.6	Single Age				
SFB03_13	187	1.152	0.56	0.016	0.0721	0.0019	0.63396	451	10	449	11	461	55	449	11	0.4	Single Age				
SFB03_14	128	0.614	0.888	0.016	0.1022	0.0015	0.33092	644.7	8.6	627	8.7	718	43	627	8.7	2.7	Single Age				
SFB03_15	631	18	0.517	0.018	0.0681	0.0018	0.51381	423	12	425	11	417	71	425	11	0.5	Rim				
SFB03_15	237	6.11	0.593	0.015	0.0766	0.0012	0.28562	472.5	9.7	475.9	7.2	474	63	475.9	7.2	0.7	Core				
SFB03_16	164	1.366	0.35	0.012	0.04722	0.00086	0.11813	305	8.6	297.4	5.3	368	76	297.4	5.3	2.5	Single Age				
SFB03_17	85.3	0.853	0.774	0.017	0.0949	0.0014	0.11872	581.2	9.8	586.7	8.1	582	49	586.7	8.1	0.9	Single Age				
SFB03_19	134.4	1.013	4.32	0.085	0.2723	0.0054	0.43226	1701	15	1552	28	1892	42	1892	42	18.0	Single Age				
SFB03_20	84	0.925	5.61	0.18	0.316	0.011	0.72092	1914	27	1767	55	2055	48	2055	48	14.0	Single Age				
SFB03_21	598	3.444	0.3281	0.0058	0.04572	0.00068	0.57836	288.5	4.6	288.1	4.2	304	36	288.1	4.2	0.1	Single Age				
SFB03_22	216	20.2	0.444	0.02	0.0546	0.0021	0.3526	373	14	343	13	520	130	343	13	8.0	Single Age				
SFB03_23	348	12.8	0.53	0.057	0.0662	0.0016	0.34497	431	37	413.1	9.6	520	260	413.1	9.6	4.2	Rim				
SFB03_23	230	1.974	0.745	0.015	0.0909	0.002	0.30397	565.2	8.7	561	12	601	58	561	12	0.7	Core				
SFB03_25	732	2.76	0.3191	0.0067	0.04455	0.00077	0.57481	281.1	5.1	280.9	4.7	288	42	280.9	4.7	0.1	Single Age				
SFB03_26	17.95	1.172	2.88	0.44	0.1612	0.0079	0.66656	1370	120	963	44	2050	190	DISC	DISC	53.0	Single Age				
SFB03_27	921	126	0.408	0.011	0.0567	0.0012	0.48129	346.9	8	355.3	7.1	335	46	355.3	7.1	2.4	Rim				
SFB03_27	203.4	1.026	0.693	0.021	0.0852	0.003	0.47303	534	13	527	18	537	65	527	18	1.3	Core				
SFB03_28	616	5.8	0.3849	0.0086	0.04967	0.0006	0.41076	330.6	6.3	312.5	3.7	456	53	312.5	3.7	5.5	Rim				
SFB03_28	271.2	3	0.511	0.016	0.0688	0.0022	0.6732	419	11	429	13	337	58	429	13	2.4	Core				
SFB03_29	107.9	4.56	0.338	0.011	0.0472	0.0013	0.18209	295	8.2	297.2	8.2	313	80	297.2	8.2	0.7	Single Age				
SFB03_31	104.4	1.843	5.4	0.13	0.3063	0.0073	0.79093	1893	20	1728	38	2074	33	2074	33	16.7	Single Age				
SFB03_32	600	1.462	0.3805	0.0065	0.05129	0.00078	0.47048	327.3	4.7	322.4	4.8	379	37	322.4	4.8	1.5	Single Age				
SFB03_33	239	0.93	0.707	0.027	0.0824	0.0028	0.67598	542	16	510	17	707	59	510	17	5.9	Single Age				
SFB03_34	538	30.2	0.552	0.028	0.062	0.0017	0.60919	446	19	388	10	742	90	DISC	DISC	13.0	Single Age				
SFB03_35	684	3.198	0.3276	0.0065	0.04365	0.00092	0.55588	287.6	4.9	275.4	5.7	392	45	275.4	5.7	4.2	Single Age				
SFB03_36	203.7	10.31	0.3824	0.0072	0.05234	0.00091	0.10035	328.6	5.3	328.8	5.6	332	54	328.8	5.6	0.1	Single Age				
SFB03_37	439	3.284	0.3446	0.0063	0.0465	0.001	0.41663	300.5	4.8	292.6	6.2	398	50	292.6	6.2	2.6	Single Age				
SFB03_38	247	4.8	0.469	0.016	0.061	0.0023	0.48072	390	11	381	14	491	76	381	14	2.3	Single Age				
SFB03_39	231	2.86	0.5685	0.0098	0.074	0.0012	0.40187	457.6	6.2	460	7.1	451	42	460	7.1	0.5	Single Age				
SFB03_40	866	1.95	0.369	0.011	0.0467	0.0012	0.63472	318.5	8.2	294	7.4	511	48	294	7.4	7.7	Single Age				
SFB03_41	463	1.5	0.73	0.012	0.0897	0.0018	0.58891	556.2	6.8	553	10	612	35	553	10	0.6	Single Age				
SFB03_42	76	2.25	0.545	0.027	0.0686	0.0017	0.61515	440	18	428	10	516	80	428	10	2.7	Single Age				
SFB03_43	193	2.81	0.925	0.039	0.1062	0.0045	0.35486	664	21	651	26	760	110	651	26	2.0	Single Age				
SFB03_44	79	2.76	0.691	0.022	0.0823	0.0021	0.23015	533	13	510	13	711	87	510	13	4.3	Single Age				
SFB03_45	276	2.857	0.336	0.019	0.0428	0.0025	0.59526	293	14	270	15	580	110	270	15	7.8	Single Age				
SFB03_46	29.5	2.03	0.423	0.038	0.0511	0.0029	0.31689	356	27	325	17	630	200	325	17	8.7	Single Age				
SFB03_47	650	3.01	0.386	0.011	0.0513	0.0019	0.48247	332.9	8.3	322	12	367	80	322	12	3.3	Single Age				
SFB03_48	161.4	4.33	0.383	0.017	0.0502	0.0024	0.43116	329	13	316	15	500	100	316	15	4.0	Single Age				
SFB03_50	239	7.69	0.744	0.031	0.072	0.0035	0.71612	563	18	448	21	1064	70	DISC	DISC	20.4	Single Age				
SFB03_51	149.6	5.55	0.394	0.02	0.0493	0.0033	0.66407	336	15	310	20	490	110	310	20	7.7	Single Age				
SFB03_52	71.9	1.171	0.431	0.034	0.0494	0.0033	0.74893	362	24	311	20	788	93	DISC	DISC	14.1	Single Age				
SFB03_54	199.2	3.324	0.751	0.018	0.0914	0.0023	0.67765	568	11	566	14	568	44	566	14	0.4	Single Age				
SFB03_55	500	2.64	0.722	0.021	0.0885	0.002	0.69569	555	10	546	12	604	46	546	12	1.6	Single Age				
SFB03_56	165.3	1.223	0.762	0.026	0.0872	0.003	0.69242	576	16	539	18	731	51	539	18	6.4	Single Age				
SFB03_57	31.1	2.426	0.587	0.03	0.0719	0.0019	0.06353	470	20	447	11	550	120	447	11	4.9	Single Age				
SFB03_58	479	4.41	0.344	0.018	0.0462	0.0025	0.764	299	13	291	15	386	80	291	15	2.7	Single Age				
SFB03_59	187	0.978	1.296	0.037	0.1319	0.00															

SFB03_93	92.9	22.7	0.34	0.02	0.0473	0.0031	0.47492	296	15	298	19	320	140	298	19	0.7	Single Age
SFB03_94	142.3	4.87	0.736	0.028	0.0854	0.0039	0.44903	560	16	528	23	727	82	528	23	5.7	Single Age
SFB03_95	315	6.26	0.355	0.011	0.0432	0.0013	0.68541	309.7	8.3	272.6	7.9	623	53	DISC	DISC	12.0	Single Age
SFB03_98	23.5	3.98	0.862	0.099	0.0667	0.0034	0.04619	622	52	416	20	1410	230	DISC	DISC	33.1	Single Age
SFB03_99	273	10.96	0.798	0.016	0.0977	0.0019	0.55906	594.9	9	601	11	591	42	601	11	1.0	Single Age
SFB03_100	75.5	1.766	0.712	0.056	0.0831	0.005	0.60803	543	33	514	30	670	130	514	30	5.3	Single Age
SFB03_101	32.7	1.97	14.21	0.8	0.522	0.032	0.79565	2750	53	2730	140	2786	69	2786	69	2.0	Single Age
SFB03_102	203	4.36	0.932	0.079	0.072	0.0032	0.39231	665	42	448	19	1530	200	DISC	DISC	32.6	Single Age
SFB03_103	254.5	2.595	0.3415	0.0096	0.04668	0.00096	0.6375	297.8	7.3	294.1	5.9	347	50	294.1	5.9	1.2	Single Age
SFB03_104	60.1	4.75	0.704	0.031	0.0854	0.0031	0.45703	542	18	528	18	591	94	528	18	2.6	Single Age
SFB03_105	189	0.984	0.736	0.038	0.0899	0.004	0.75364	561	23	558	24	569	64	558	24	0.5	Single Age
SFB03_106	508	19.6	0.523	0.013	0.0659	0.0018	0.53222	426.5	8.7	412	11	491	53	412	11	3.4	Single Age
SFB03_107	485	1.902	0.2905	0.0059	0.04036	0.00068	0.528	258.9	4.6	255	4.2	274	43	255	4.2	1.5	Single Age
SFB03_108	567	14.69	0.432	0.01	0.0575	0.00096	0.5652	364.5	7.3	360.4	5.8	395	49	360.4	5.8	1.1	Single Age
SFB03_109	306.8	76.8	0.3707	0.007	0.05076	0.00088	0.47511	319.9	5.1	319.1	5.4	342	40	319.1	5.4	0.3	Single Age
SFB03_110	77.1	1.073	0.31	0.012	0.0423	0.0012	0.15715	273.5	9.6	267	7.3	283	90	267	7.3	2.4	Single Age
SFB03_111	223.6	1.47	0.3587	0.0086	0.04769	0.0008	0.28656	311.7	6.2	300.3	4.9	376	57	300.3	4.9	3.7	Single Age
SFB03_112	138	3.07	0.371	0.012	0.04996	0.00095	0.11065	320.1	8.6	314.2	5.8	364	77	314.2	5.8	1.8	Single Age
SFB03_113	481	17.8	0.449	0.015	0.0568	0.0017	0.58026	376	11	356	10	478	61	356	10	5.3	Rim
SFB03_113	112	2.12	0.6	0.031	0.0746	0.0037	0.37448	476	20	464	22	530	120	464	22	2.5	Core
SFB03_114	968	137	0.3935	0.0088	0.0522	0.0014	0.65265	336.7	6.4	328.1	8.6	331	50	328.1	8.6	2.6	Single Age
SFB03_115	301.5	7.96	5.33	0.11	0.3197	0.0059	0.68977	1873	17	1788	29	1943	28	1943	28	8.0	Single Age
SFB03_116	524	3.44	0.3237	0.0051	0.04445	0.00072	0.39283	284.6	3.9	280.8	4.4	320	41	280.8	4.4	1.3	Single Age
SFB03_117	825	41.8	0.43	0.015	0.0581	0.0021	0.50238	363	11	364	13	342	81	364	13	0.3	Rim
SFB03_117	448	17.8	4.2	0.087	0.2744	0.0049	0.59505	1673	17	1563	25	1828	32	1828	32	14.5	Core
SFB03_118	107.2	3.47	0.295	0.015	0.0325	0.0012	0.3973	262	12	206.2	7.8	830	120	DISC	DISC	21.3	Single Age
SFB03_119	429	1.209	0.48	0.011	0.0623	0.0019	0.53357	397.6	7.4	390	11	443	62	390	11	1.9	Single Age
SFB03_120	187.2	1.039	0.2514	0.0077	0.03491	0.00079	0.22344	227.5	6.2	221.2	4.9	271	79	221.2	4.9	2.8	Single Age

Sample Name:		OA-13-SFB04																															
Lower Freshwater Molasse I (26 ± 0.5 Ma)		U		Isotopic Ratios					Apparent Ages (Ma)																								
		U/Th		207Pb		20a error		206Pb		2a error		Error		207Pb		2a error		206Pb		2a error		207Pb		2a error		Best age		2a error		Discordance*		Rim, Core or	
Grain #		(ppm)		235U		(abs.)		238U		(abs.)		Corr.		235U		(Ma)		238U		(Ma)		206Pb		(Ma)		(Ma)		(Ma)		(Ma)		Single Age	
SFB04_1	306	3.66	0.595	0.011	0.0753	0.0011	0.52789	474.6	6.8	468.1	6.7	494	34	468.1	6.7	1.4	Single Age																
SFB04_2	449	0.848	0.853	0.014	0.1025	0.0014	0.15648	626.1	7.4	629.1	8.2	589	36	629.1	8.2	0.5	Single Age																
SFB04_3	34.18	1.345	0.443	0.024	0.057	0.0015	0.12093	370	17	357.4	8.9	430	110	357.4	8.9	3.4	Single Age																
SFB04_4	458	1.46	0.59	0.024	0.072	0.003	0.69544	470	16	448	18	531	81	448	18	4.7	Rim																
SFB04_4	316.4	0.819	0.723	0.022	0.0834	0.0024	0.68912	552	13	516	14	683	47	516	14	6.5	Core																
SFB04_5	295	30.8	0.593	0.021	0.0747	0.0019	0.55867	472	14	464	11	499	60	464	11	1.7	Rim																
SFB04_5	63.5	1.057	0.8	0.028	0.0981	0.0022	0.22546	599	15	603	13	590	83	603	13	0.7	Core																
SFB04_6	421	8.71	0.559	0.023	0.0686	0.0019	0.49305	451	15	428	11	522	87	428	11	5.1	Single Age																
SFB04_7	334	1.32	0.795	0.013	0.0952	0.0021	0.46733	593.8	7.1	586	12	607	44	586	12	1.3	Single Age																
SFB04_9	257	11.9	0.535	0.028	0.0665	0.0029	0.77797	438	20	415	17	576	61	415	17	5.3	Single Age																
SFB04_10	299	1.462	1.695	0.031	0.1663	0.0035	0.64473	1006	12	991	19	1033	33	1033	33	4.1	Single Age																
SFB04_11	843	9.85	0.737	0.026	0.0891	0.0037	0.78004	560	15	550	22	578	58	550	22	1.8	Rim																
SFB04_11	625	12.24	0.84	0.02	0.0999	0.0022	0.5356	619	11	614	13	612	47	614	13	0.8	Core																
SFB04_12	316	9.6	0.524	0.011	0.0668	0.0015	0.57842	427.4	7.4	416.6	8.8	455	41	416.6	8.8	2.5	Single Age																
SFB04_13	92.3	1.738	6.27	0.13	0.3541	0.0072	0.39925	2014	18	1954	34	2070	42	2070	42	5.6	Single Age																
SFB04_14	569	11.76	0.472	0.018	0.0602	0.0025	0.79884	392	13	377	15	453	65	377	15	3.8	Single Age																
SFB04_15	342	5.1	0.884	0.028	0.1029	0.0028	0.42616	643	15	631	16	694	61	631	16	1.9	Rim																
SFB04_15	102.5	0.87	0.99	0.03	0.1137	0.0025	0.09655	698	16	694	15	734	91	694	15	0.6	Core																
SFB04_17	211.3	2.19	0.525	0.011	0.06657	0.00098	0.35245	427.7	7.4	415.4	5.9	470	44	415.4	5.9	2.9	Single Age																
SFB04_18	431	15.9	0.458	0.014	0.06	0.0018	0.568	382	10	376	11	385	50	376	11	1.6	Rim																
SFB04_18	54.6	0.573	0.795	0.049	0.0941	0.004	0.59354	591	28	579	24	661	96	579	24	2.0	Core																
SFB04_19	223.3	32.6	0.562	0.024	0.0706	0.0028	0.45642	458	15	440	17	528	87	440	17	3.9	Single Age																
SFB04_20	106.6	3.73	0.44	0.02	0.0442	0.0018	0.35125	372	14	279	11	962	81	DISC	DISC	25.0	Single Age																
SFB04_21	89.1	2.449	7.74	0.18	0.3361	0.0081	0.68504	2201	21	1866	39	2533	32	DISC	DISC	26.3	Single Age																
SFB04_22	258	1.542	0.504	0.029	0.0567	0.0037	0.68962	413	19	355	23	790	110	DISC	DISC	14.0	Single Age																
SFB04_23	287	2.68	0.807	0.014	0.0939	0.0017	0.48281	600	7.6	578.7	9.8	644	38	578.7	9.8	3.6	Single Age																
SFB04_24	934	12.1	0.386	0.017	0.0481	0.0017	0.87578	331	12	303	11	536	49	303	11	8.5	Single Age																
SFB04_25	631	16.1	0.412	0.013	0.0552	0.0015	0.67512	350.3	9.3	346.3	9.3	376	55	346.3	9.3	1.1	Rim																
SFB04_25	156.6	0.355	0.677	0.023	0.0841	0.0032	0.5152	525	14	520	19	590	82	520	19	1.0	Core																
SFB04_26	501	2.676	0.3319	0.0065	0.04504	0.00074	0.52692	290.8	4.9	284	4.6	343	41	284	4.6	2.3	Single Age																
SFB04_27	181	2.707	0.484	0.015	0.0589	0.0016	0.5203	402.8	9.9	369.1	9.7	621	56	369.1	9.7	8.4	Single Age																
SFB04_28	183.5	2.273	3.114	0.072	0.2121	0.0057	0.73791	1438	17	1239	30	1751	30	DISC	DISC	29.2	Single Age																
SFB04_29	151.7	2.119	0.343	0.018	0.0454	0.0016	0.63088	299	13	286.4	9.7	442	80	286.4	9.7	4.2	Single Age																
SFB04_30	127.7	59.4	0.408	0.016	0.0548	0.0024	0.42455	347	11	344	14	401	88	344	14	0.9	Single Age																
SFB04_31	72.6	0.833	0.716	0.047	0.0825	0.0034	0.64364	547	27	511	20	730	110	511	20	6.6	Single Age																
SFB04_32	31.26	2.034	0.598	0.035	0.0744	0.0027	0.0252	474	23	462	16	540	140	462	16	2.5	Single Age																
SFB04_33	76.1	19	0.583	0.04	0.0545	0.0032	0.59302	463	26	342	20	1120	120	DISC	DISC	26.1	Single Age																
SFB04_34	68.2	3.59	2.93	0.16	0.1354	0.0055	0.46343	1385	42	818	31	2444	89	DISC	DISC	40.9	Single Age																
SFB04_35	265	15.3	0.391	0.024	0.0493	0.0023	0.54424	335	18	310	14	450	140	310	14	7.5	Rim																
SFB04_35	94.9	0.905	4.12	0.16	0.2432	0.007	0.37054	1656	32	1403	36	1986	76	DISC	DISC	29.4	Core																
SFB04_36	85.5	24	0.696	0.049	0.0591	0.0033	0.57153	534	29	370	20	1290	120	DISC	DISC	30.7	Single Age																
SFB04_37	654	16.9	0.4102	0.0066	0.05539	0.00073	0.43958	348.9	4.8	347.2	4.5	364	34	347.2	4.5	0.5	Single Age																
SFB04_38	672	1.323	0.3105	0.0066	0.04249	0.00073	0.46903	274.4	5.1	268.3	4.3	347	48	268.3	4.3	2.2	Single Age																
SFB04_39	29.5	1.068	0.974	0.073	0.1007	0.0062	0.04577	688	38	628	33	870	190	628	33	8.7	Single Age																
SFB04_41	152	1.598	0.621	0.029	0.0717	0.0035	0.80938	488	18	446	21	765	58	446	21	8.6	Single Age																
SFB04_42	76.5	7.96	0.603	0.034	0.0718	0.0036	0.57495	478	21	447	21	620	130	447	21	6.5	Single Age																
SFB04_44	437	19.7	0.55	0.012	0.0708	0.0016	0.54439	444.6	7.6	442	9.1	424	50	442	9.1	0.6	Single Age																
SFB04_45	824	15.4	0.415	0.019	0.0517	0.0023	0.56329	355	12	325	14	538	70	325	14	8.5	Single Age																
SFB04_47	92.3	4.53	1.014	0.064	0.0847	0.0044	0.66843	709	32	524	26	1352	92	DISC	DISC	26.1	Single Age																
SFB04_49	204.1	1.129	0.549	0.017	0.0692	0.0017	0.35271	443	11	431	10	474	59	431	10	2.7	Single Age																
SFB04_50	439.2	3.438	9.82	0.15	0.4075	0.009	0.58686	2421	15	2203	41	2597	36	2597	36	15.2	Single Age																
SFB04_51	811	3.39	0.3518	0.0082	0.0463	0.0013	0.26777	305.8	6.2	292.7	8.1	391	56	292.7	8.1	4.3	Single Age																
SFB04_52	178.1	0.898	0.566	0.014	0.0718	0.001	0.04037	454.9	9.2	446.8	6.1	480	63	446.8	6.1	1.8	Single Age																
SFB04_53	177	4.1	4.75	0.14	0.275	0.01	0.85078	1774	24	1565	51	2038	34	DISC	DISC	23.2	Single Age									</							

SFB04_63	307	5.66	0.569	0.011	0.0711	0.0012	0.55812	456.8	6.8	442.9	7.1	512	38	442.9	7.1	3.0	Single Age
SFB04_64	65.5	0.495	0.833	0.024	0.0967	0.0026	0.52043	614	13	595	15	646	64	595	15	3.1	Single Age
SFB04_65	481	86.8	0.4083	0.0071	0.05428	0.00086	0.40135	347.4	5.1	341.4	5.1	345	43	341.4	5.1	1.7	Single Age
SFB04_66	466	2.017	0.657	0.012	0.0814	0.0013	0.30506	512.8	7.6	504.7	7.9	536	47	504.7	7.9	1.6	Single Age
SFB04_67	198.6	1.302	6.167	0.076	0.3629	0.0044	0.66536	1999	11	1996	21	1997	16	1997	16	0.1	Single Age
SFB04_69	714	4.21	0.447	0.019	0.0598	0.002	0.35051	375	13	375	12	400	110	375	12	0.0	Single Age
SFB04_70	47.6	1.383	3.86	0.17	0.2564	0.0079	0.64267	1602	35	1471	40	1777	71	1777	71	17.2	Single Age
SFB04_71	780	3.18	0.2991	0.0059	0.04165	0.00073	0.71544	265.5	4.6	263	4.5	290	33	263	4.5	0.9	Single Age
SFB04_72	960	232	0.412	0.027	0.0551	0.004	0.87429	349	20	346	24	427	83	346	24	0.9	Rim
SFB04_72	282	1.588	1.584	0.042	0.1575	0.0048	0.69846	963	17	942	27	970	41	970	41	2.9	Core
SFB04_73	511	1.31	0.703	0.014	0.0852	0.0018	0.67971	540.1	8.6	527	11	580	38	527	11	2.4	Single Age
SFB04_74	164	2.174	0.759	0.014	0.0934	0.002	0.35101	572.6	8.3	575	12	566	43	575	12	0.4	Single Age
SFB04_75	200	2.59	0.578	0.015	0.0737	0.002	0.25882	462.2	9.8	458	12	484	59	458	12	0.9	Single Age
SFB04_76	182	2.94	0.723	0.024	0.09	0.003	0.65626	553	14	555	18	544	66	555	18	0.4	Single Age
SFB04_77	72.5	2.95	0.725	0.023	0.0761	0.002	0.30719	553	14	473	12	884	80	DISC	DISC	14.5	Single Age
SFB04_79	650	51.2	0.62	0.12	0.0425	0.0018	0.25645	484	77	269	11	1610	340	DISC	DISC	44.4	Rim
SFB04_79	1090	43.8	0.602	0.012	0.0741	0.0014	0.35932	478.2	7.4	460.6	8.4	553	48	460.6	8.4	3.7	Core
SFB04_81	78.3	1.38	7.18	0.14	0.3858	0.0078	0.59898	2131	17	2102	36	2160	30	2160	30	2.7	Single Age
SFB04_82	276.4	1.668	0.879	0.013	0.1056	0.0014	0.44559	641	7	646.9	8.4	611	32	646.9	8.4	0.9	Single Age
SFB04_83	125.6	0.738	0.555	0.018	0.0711	0.0016	0.53828	447	12	442.4	9.9	453	61	442.4	9.9	1.0	Single Age
SFB04_84	1120	8.54	0.464	0.012	0.05273	0.00069	0.14703	386.9	8.4	331.2	4.2	740	66	DISC	DISC	14.4	Single Age
SFB04_85	234	1.49	6.62	0.2	0.356	0.013	0.61744	2063	27	1959	61	2156	52	2156	52	9.1	Single Age
SFB04_87	930	4.9	0.877	0.025	0.1049	0.0033	0.83036	638	14	643	19	617	44	643	19	0.8	Single Age
SFB04_88	504	0.889	0.4445	0.0069	0.05817	0.00092	0.4976	373.8	4.9	364.5	5.6	392	36	364.5	5.6	2.5	Single Age
SFB04_89	520	96.1	0.4074	0.0058	0.05481	0.00092	0.39966	346.9	4.2	344	5.6	363	42	344	5.6	0.8	Single Age
SFB04_90	78.6	2.88	0.564	0.027	0.0701	0.0027	0.39619	453	18	437	16	506	83	437	16	3.5	Single Age
SFB04_91	408	2.52	0.561	0.016	0.0698	0.0022	0.36799	452	11	435	13	548	81	435	13	3.8	Single Age
SFB04_92	461	15.9	0.64	0.034	0.0814	0.0053	0.62898	501	21	504	31	420	120	504	31	0.6	Rim
SFB04_92	304.3	2.179	4.616	0.079	0.2803	0.0057	0.71201	1751	14	1592	28	1920	27	1920	27	17.1	Core
SFB04_93	652	1.42	0.3455	0.0048	0.04771	0.00066	0.43324	301.2	3.6	300.4	4.1	285	33	300.4	4.1	0.3	Single Age
SFB04_94	711	18.68	0.5971	0.0069	0.0759	0.00079	0.41659	475.8	4.5	471.6	4.7	475	30	471.6	4.7	0.9	Single Age
SFB04_95	641	3.541	1.077	0.027	0.1186	0.0031	0.73858	744	13	723	18	763	33	723	18	2.8	Single Age
SFB04_96	169.6	0.763	1.289	0.023	0.1371	0.0022	0.35642	846	11	828	12	882	46	828	12	2.1	Single Age
SFB04_97	61.7	1.566	0.313	0.013	0.0425	0.0011	0.26839	277.6	9.8	268.2	7	356	97	268.2	7	3.4	Single Age
SFB04_98	125	0.524	0.267	0.019	0.0347	0.0017	0.1912	240	15	220	10	410	170	220	10	8.3	Single Age
SFB04_99	279	2.977	1.078	0.015	0.1194	0.0019	0.36531	742.2	7.3	727	11	765	41	727	11	2.0	Single Age
SFB04_101	379	2.84	0.5591	0.0095	0.0722	0.0012	0.45586	450.6	6.2	449.1	7.5	443	38	449.1	7.5	0.3	Single Age
SFB04_102	670	2.84	0.326	0.012	0.044	0.0018	0.59805	286	8.9	277	11	322	90	277	11	3.1	Single Age
SFB04_103	149	1.411	0.336	0.011	0.04571	0.00099	0.07619	293.5	8.4	288	6.1	310	76	288	6.1	1.9	Single Age
SFB04_105	300	0.76	0.3375	0.0063	0.0456	0.00059	0.20574	295.1	4.8	287.4	3.7	325	49	287.4	3.7	2.6	Single Age
SFB04_106	582	9.64	0.348	0.0042	0.04697	0.00057	0.29356	303.2	3.1	295.9	3.5	335	35	295.9	3.5	2.4	Single Age
SFB04_107	50.2	1.015	0.575	0.024	0.0715	0.0025	0.08146	460	16	445	15	500	130	445	15	3.3	Single Age
SFB04_108	220	7.02	0.623	0.028	0.0797	0.0018	0.47309	491	17	495	11	496	79	495	11	0.8	Rim
SFB04_108	394	0.8	0.862	0.013	0.1013	0.0014	0.59688	630.8	7.3	622.2	8.1	645	32	622.2	8.1	1.4	Core
SFB04_109	83.2	1.448	11.94	0.21	0.4789	0.009	0.57343	2599	16	2521	39	2644	32	2644	32	4.7	Single Age
SFB04_111	84.4	2.37	0.807	0.029	0.0944	0.0022	0.5085	598	16	581	13	628	63	581	13	2.8	Single Age
SFB04_112	228	1.419	0.462	0.016	0.0592	0.0021	0.7066	385	11	370	13	416	63	370	13	3.9	Single Age
SFB04_113	309.4	5.66	0.557	0.01	0.06928	0.0009	0.25077	449.2	6.6	431.8	5.4	495	44	431.8	5.4	3.9	Single Age
SFB04_114	331	1.13	0.866	0.014	0.1004	0.0017	0.53867	633.2	7.7	616	10	677	35	616	10	2.7	Single Age
SFB04_115	62.8	0.627	0.842	0.023	0.0982	0.0022	0.0445	619	13	604	13	693	76	604	13	2.4	Single Age
SFB04_116	111.5	1.04	0.382	0.011	0.0532	0.0011	0.42929	327.8	8.1	334.4	6.5	262	63	334.4	6.5	2.0	Single Age
SFB04_117	2.916	0.1148	25.06	0.74	0.253	0.013	0.04021	3308	30	1450	67	4842	95	DISC	DISC	70.1	Single Age
SFB04_120	26.22	1.775	0.757	0.032	0.0917	0.0027	0.25831	570	18	565	16	595	99	565	16	0.9	Single Age

Sample Name:		10SMB06																
Lower Freshwater Molasse II (23 ± 2.5 Ma)		Isotopic Ratios					Apparent Ages (Ma)											
	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or	
Grain #	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)		Single Age	
10SMB06-1	341	0.551	0.551	0.025	0.0717	0.0037	0.83204	445.1	17	446	22	449	22	446.0	22.0	-0.2	Single Age	
10SMB06-2	390	0.361	0.361	0.024	0.0484	0.0035	0.76545	312.6	18	304.3	21	374	23	304.3	21.0	2.7	Single Age	
10SMB06-3	1250	0.376	0.376	0.024	0.0509	0.0034	0.56508	323.2	18	319.7	21	340	36	319.7	21.0	1.1	Single Age	
10SMB06-4	527	0.360	0.36	0.023	0.0489	0.0034	0.67194	311.9	17	307.9	21	336	25	307.9	21.0	1.3	Single Age	
10SMB06-5	302.3	0.475	0.475	0.025	0.0621	0.0036	0.68205	393.6	17	389.2	22	451	31	389.2	22.0	1.1	Single Age	
10SMB06-6	553	0.345	0.3446	0.023	0.0476	0.0034	0.6625	300.2	17	299.9	21	320	22	299.9	21.0	0.1	Single Age	
10SMB06-7	56.3	0.218	0.2182	0.024	0.02692	0.0033	0.47772	199.8	19	171.2	21	552	73	DISC	DISC	14.3	Single Age	
10SMB06-8	318	0.349	0.349	0.023	0.0483	0.0034	0.78612	304.4	18	304	21	308	23	304.0	21.0	0.1	Single Age	
10SMB06-9	351	0.533	0.533	0.029	0.0704	0.0041	0.82794	433	19	438	25	385	25	438.0	25.0	-1.2	Single Age	
10SMB06-10	209	0.570	0.57	0.027	0.0741	0.0037	0.63946	457	18	460	22	461	32	460.0	22.0	-0.7	Single Age	
10SMB06-11	257	0.350	0.3497	0.023	0.0482	0.0035	0.73924	304.1	17	303.2	21	320	22	303.2	21.0	0.3	Single Age	
10SMB06-12	123	0.355	0.355	0.024	0.0489	0.0035	0.68054	309	18	307.4	22	367	30	307.4	22.0	0.5	Single Age	
10SMB06-13	586	0.349	0.3486	0.023	0.0476	0.0034	0.83101	303.4	17	299.7	21	321	18	299.7	21.0	1.2	Single Age	
10SMB06-14	147	0.602	0.602	0.025	0.077	0.0036	0.77998	478.4	16	479.2	22	471	19	479.2	22.0	-0.2	Single Age	
10SMB06-15	215	0.790	0.79	0.072	0.0653	0.004	0.67102	576	40	407	24	1240	140	DISC	DISC	29.3	Single Age	
10SMB06-16	610	0.594	0.594	0.028	0.0774	0.0038	0.79318	473	18	480	23	446	23	480.0	23.0	-1.5	Single Age	
10SMB06-17	362	0.399	0.399	0.024	0.0535	0.0036	0.69418	339.9	18	335.7	22	394	32	335.7	22.0	1.2	Single Age	
10SMB06-18	481	0.348	0.3479	0.023	0.0481	0.0035	0.71869	302.8	17	303.5	21	324	19	303.5	21.0	-0.2	Single Age	
10SMB06-19	516	0.344	0.3435	0.023	0.0471	0.0034	0.74067	299.5	17	296.4	21	312	21	296.4	21.0	1.0	Single Age	
10SMB06-20	199.8	0.337	0.3372	0.023	0.04734	0.0034	0.77641	294.8	18	298.1	21	297	18	298.1	21.0	-1.1	Single Age	
10SMB06-21	441	0.309	0.3093	0.023	0.0434	0.0034	0.80854	273.3	18	274.6	22	307	20	274.6	22.0	-0.5	Single Age	
10SMB06-22	267	0.337	0.3374	0.024	0.0468	0.0035	0.7746	294.7	18	294.6	22	286	24	294.6	22.0	0.0	Single Age	
10SMB06-23	228.3	0.321	0.3213	0.023	0.0445	0.0034	0.72764	282.5	18	280.6	21	317	25	280.6	21.0	0.7	Single Age	
10SMB06-24	220	0.342	0.3416	0.023	0.0476	0.0035	0.76443	298.1	18	299.9	21	338	21	299.9	21.0	-0.6	Single Age	
10SMB06-25	1340	0.288	0.288	0.026	0.0393	0.0037	0.82962	256	20	248	23	315	26	248.0	23.0	3.1	Single Age	
10SMB06-26	553	5.370	5.37	0.22	0.339	0.015	0.95733	1854	47	1874	76	1826	26	1826.0	26.0	-2.6	Single Age	
10SMB06-27	300	0.599	0.5994	0.024	0.0786	0.0036	0.72707	476.5	15	487.6	22	443	20	487.6	22.0	-2.3	Single Age	
10SMB06-28	652	0.346	0.3462	0.023	0.0474	0.0035	0.71995	301.7	17	298.7	21	330	22	298.7	21.0	1.0	Single Age	
10SMB06-29	1355	0.382	0.382	0.024	0.0487	0.0036	0.5964	327.8	18	306.2	22	487	38	306.2	22.0	6.6	Single Age	
10SMB06-30	765	0.334	0.3335	0.023	0.04597	0.0034	0.80935	292	18	289.7	21	308	16	289.7	21.0	0.8	Single Age	
10SMB06-31	1217	0.344	0.344	0.023	0.04739	0.0034	0.80391	300.1	17	298.4	21	320	11	298.4	21.0	0.6	Single Age	
10SMB06-32	544	0.579	0.579	0.025	0.0743	0.0037	0.81628	463	16	462	22	468	17	462.0	22.0	0.2	Single Age	
10SMB06-33	2670	0.238	0.2382	0.023	0.02689	0.0034	0.6923	217.3	18	171.6	22	775	35	DISC	DISC	21.0	Single Age	
10SMB06-34	693	0.410	0.41	0.03	0.0526	0.0041	0.90172	352	21	330	25	545	26	330.0	25.0	6.3	Single Age	
10SMB06-35	312	0.816	0.816	0.084	0.0564	0.0036	0.62779	600	49	353.7	22	1520	190	DISC	DISC	41.1	Single Age	
10SMB06-36	166	0.312	0.3124	0.023	0.0442	0.0034	0.70248	275.7	18	278.8	21	263	19	278.8	21.0	-1.1	Single Age	
10SMB06-37	402	0.376	0.3759	0.024	0.0515	0.0035	0.75913	323.5	18	323.9	22	327	25	323.9	22.0	-0.1	Single Age	
10SMB06-38	1470	0.318	0.3183	0.024	0.0388	0.0037	0.94491	281.7	19	245	23	600	28	DISC	DISC	13.0	Single Age	
10SMB06-39	669	0.400	0.4	0.026	0.0525	0.0036	0.58924	340.5	19	330	22	398	32	330.0	22.0	3.1	Single Age	

10SMB06-40	179.1	0.548	0.5479	0.025	0.0708	0.0036	0.79363	443.2	16	440.6	22	463	13	440.6	22.0	0.6	Single Age
10SMB06-41	595	0.349	0.3493	0.024	0.0454	0.0035	0.68798	304.6	17	286.2	22	438	22	286.2	22.0	6.0	Single Age
10SMB06-42	1067	0.338	0.3383	0.024	0.04651	0.0035	0.85294	296.3	18	293	22	320	18	293.0	22.0	1.1	Single Age
10SMB06-43	2760	0.295	0.295	0.027	0.0367	0.0038	0.92064	261	22	232.1	23	503	33	DISC	DISC	11.1	Single Age
10SMB06-44	615	0.414	0.414	0.027	0.0562	0.0038	0.92762	350.8	19	352	23	356	14	352.0	23.0	-0.3	Single Age
10SMB06-46	354	0.474	0.474	0.035	0.0589	0.0046	0.93161	391	24	368	28	553	22	368.0	28.0	5.9	Single Age
10SMB06-47	238	0.759	0.759	0.028	0.0938	0.0039	0.69347	574.1	16	578	23	564	23	578.0	23.0	-0.7	Single Age
10SMB06-48	880	0.355	0.3548	0.024	0.04733	0.0036	0.58148	308.1	18	298.1	22	407	23	298.1	22.0	3.2	Single Age
10SMB06-49	204	0.327	0.3274	0.024	0.0458	0.0036	0.71717	287.1	19	289.2	23	301	20	289.2	23.0	-0.7	Single Age
10SMB06-51	374	0.355	0.3549	0.025	0.0479	0.0037	0.73551	308.7	18	301.7	23	367	22	301.7	23.0	2.3	Single Age
10SMB06-52	1470	0.237	0.2365	0.024	0.0262	0.0036	0.72298	215	20	166.7	22	797	42	DISC	DISC	22.5	Single Age
10SMB06-53	55.4	0.695	0.695	0.027	0.0846	0.0038	0.7363	535.2	16	523.5	22	612	19	523.5	22.0	2.2	Single Age
10SMB06-54	275	0.560	0.56	0.026	0.072	0.0037	0.88577	452	17	447.8	22	476	16	447.8	22.0	0.9	Single Age
10SMB06-55	383	0.551	0.551	0.027	0.0719	0.0039	0.82423	447.2	18	447	24	463	21	447.0	24.0	0.0	Single Age
10SMB06-56	264	0.616	0.616	0.026	0.0775	0.0038	0.63831	487.9	16	481	23	500	27	481.0	23.0	1.4	Single Age
10SMB06-58	933	0.405	0.4053	0.025	0.0544	0.0036	0.74965	346	17	341.6	22	362	19	341.6	22.0	1.3	Single Age
10SMB06-59	865	0.356	0.3555	0.024	0.04894	0.0036	0.8161	308.5	18	308	22	313	14	308.0	22.0	0.2	Single Age
10SMB06-60	219	6.010	6.01	0.2	0.368	0.012	0.79781	1972	29	2015	57	1919	22	1919.0	22.0	-5.0	Single Age
10SMB06-61	616	0.524	0.524	0.032	0.0688	0.0044	0.89595	427	22	428	27	436	20	428.0	27.0	-0.2	Single Age
10SMB06-62	274	0.657	0.657	0.026	0.0824	0.0039	0.83129	512.7	16	510	23	518	19	510.0	23.0	0.5	Single Age
10SMB06-63	320	0.562	0.562	0.026	0.0724	0.0038	0.68738	452.2	17	451.3	23	475	23	451.3	23.0	0.2	Single Age
10SMB06-65	2250	0.466	0.466	0.032	0.03751	0.0035	-0.2036	388	22	238	22	1357	96	DISC	DISC	38.7	Single Age
10SMB06-66	893	0.557	0.557	0.025	0.0727	0.0038	0.74683	450.4	17	452.4	23	433	17	452.4	23.0	-0.4	Single Age
10SMB06-67	250	0.479	0.479	0.027	0.0627	0.0039	0.55363	397.6	19	391.6	23	450	19	391.6	23.0	1.5	Single Age
10SMB06-68	585	0.405	0.405	0.026	0.054	0.0038	0.78331	345	18	339	23	382	24	339.0	23.0	1.7	Single Age
10SMB06-69	713	4.760	4.76	0.18	0.321	0.013	0.78679	1776	32	1793	61	1774	27	1774.0	27.0	-1.1	Single Age
10SMB06-70	200	0.781	0.781	0.028	0.0929	0.0038	0.73839	585.3	16	573.7	23	632	17	573.7	23.0	2.0	Single Age
10SMB06-72	352	0.540	0.5395	0.025	0.0684	0.0037	0.68454	439	17	426.6	22	495	19	426.6	22.0	2.8	Single Age
10SMB06-73	226	0.344	0.3442	0.025	0.0481	0.0037	0.75707	300	19	303.8	23	293	21	303.8	23.0	-1.3	Single Age
10SMB06-74	2120	0.283	0.283	0.029	0.0287	0.0038	0.13421	251	22	182.2	24	960	110	DISC	DISC	27.4	Single Age
10SMB06-75	831	0.559	0.559	0.027	0.0722	0.0039	0.86069	451.1	17	449	24	446	17	449.0	24.0	0.5	Single Age
10SMB06-76	431	0.488	0.488	0.032	0.0645	0.0044	0.95502	407	22	402	27	456	17	402.0	27.0	1.2	Single Age
10SMB06-77	179	0.337	0.3367	0.025	0.04593	0.0037	0.63104	294.3	19	289.4	23	329	25	289.4	23.0	1.7	Single Age
10SMB06-78	904	0.367	0.367	0.024	0.0435	0.0037	0.4961	317.2	18	274.7	23	643	49	DISC	DISC	13.4	Single Age
10SMB06-79	788	0.347	0.3472	0.025	0.04767	0.0037	0.71939	302.3	19	300.2	23	324	20	300.2	23.0	0.7	Single Age
10SMB06-80	116.9	0.538	0.538	0.026	0.0698	0.0038	0.74693	437.2	17	434.9	23	468	21	434.9	23.0	0.5	Single Age
10SMB06-81	256	0.338	0.3375	0.025	0.0468	0.0037	0.72882	295	19	294.6	23	293	19	294.6	23.0	0.1	Single Age
10SMB06-82	206	0.806	0.806	0.031	0.0742	0.0043	0.45219	603	17	461	26	1161	55	DISC	DISC	23.5	Single Age
10SMB06-83	206	0.802	0.802	0.029	0.0962	0.0041	0.6351	597.3	16	592	24	642	22	592.0	24.0	0.9	Single Age
10SMB06-84	188.8	0.335	0.3354	0.025	0.04645	0.0037	0.70608	294	19	292.7	23	307	21	292.7	23.0	0.4	Single Age
10SMB06-85	1145	0.346	0.3462	0.025	0.0491	0.0037	0.83339	303.3	20	309.2	23	283	19	309.2	23.0	-1.9	Single Age
10SMB06-86	137.9	0.710	0.71	0.027	0.0884	0.0039	0.73836	545.9	15	546	23	554	16	546.0	23.0	0.0	Single Age
10SMB06-87	357	0.552	0.552	0.027	0.0684	0.0038	0.81498	445.3	18	426.6	23	527	20	426.6	23.0	4.2	Single Age
10SMB06-88	275	0.562	0.5617	0.025	0.0727	0.0037	0.7708	452.3	16	452.3	22	460	13	452.3	22.0	0.0	Single Age
10SMB06-89	772	0.360	0.3604	0.026	0.0489	0.0038	0.77163	312	19	307.5	23	379	26	307.5	23.0	1.4	Single Age
10SMB06-90	1526	0.286	0.286	0.027	0.0338	0.0039	0.90552	256.1	21	214	24	641	33	DISC	DISC	16.4	Single Age
10SMB06-91	167.3	0.329	0.3289	0.025	0.04597	0.0037	0.3702	288.5	19	289.7	23	282	30	289.7	23.0	-0.4	Single Age
10SMB06-92	74.8	0.385	0.3846	0.025	0.05276	0.0037	0.65191	330	19	331.4	23	324	20	331.4	23.0	-0.4	Single Age
10SMB06-94	970	0.354	0.3535	0.025	0.04895	0.0037	0.87189	307.8	18	308	23	304	11	308.0	23.0	-0.1	Single Age
10SMB06-95	116.6	0.335	0.3353	0.025	0.04678	0.0037	0.63606	293.4	19	294.7	23	274	22	294.7	23.0	-0.4	Single Age
10SMB06-96	422	0.385	0.3845	0.025	0.0527	0.0038	0.8243	330.9	18	331.1	23	318	21	331.1	23.0	-0.1	Single Age
10SMB06-97	408	0.556	0.556	0.035	0.0636	0.0046	0.94659	447	23	397	28	707	16	DISC	DISC	11.2	Single Age
10SMB06-100	0.831	35.200	35.2	5.5	0.391	0.054	0.98714	3500	160	2030	230	4583	36	DISC	DISC	55.7	Single Age
10SMB06-101	506	0.338	0.338	0.026	0.0461	0.0039	0.74138	295	20	290.7	24	312	25	290.7	24.0	1.5	Single Age
10SMB06-103	245	0.345	0.3446	0.025	0.04863	0.0037	0.56559	300.4	19	306.1	23	285	23	306.1	23.0	-1.9	Single Age
10SMB06-105	158	0.356	0.3559	0.026	0.04896	0.0038	0.33972	308.7	19	308.8	24	300	25	308.8	24.0	0.0	Single Age
10SMB06-106	311	0.335	0.335	0.026	0.04498	0.0037	0.62546	293.9	20	284.2	23	362	31	284.2	23.0	3.3	Single Age
10SMB06-108	159.9	0.332	0.332	0.025	0.04612	0.0037	0.69199	291	19	290.6	23	311	16	290.6	23.0	0.1	Single Age
10SMB06-110	389	0.586	0.586	0.026	0.0755	0.0039	0.824	469.6	17	468.9	23	473	11	468.9	23.0	0.1	Single Age
10SMB06-111	5140	0.390	0.39	0.03	0.0524	0.0045	0.89598	333	22	329	27	358	36	329.0	27.0	1.2	Single Age
10SMB06-112	186.5	0.759	0.759	0.032	0.0935	0.0043	0.7629	575	18	577	25	552	21	577.0	25.0	-0.3	Single Age
10SMB06-113	1133	0.383	0.3827	0.026	0.0507	0.0039	0.82097	328.6	19	318.8	24	413	18	318.8	24.0	3.0	Single Age
10SMB06-115	244	0.353	0.353	0.028	0.04417	0.0037	0.49992	305.9	20	278.6	23	493	52	278.6	23.0	8.9	Single Age
10SMB06-116	0.559	71.900	71.9	8.7	0.724	0.087	0.98915	4200	120	3340	300	4775	21	DISC	DISC	30.1	Single Age
10SMB06-117	681	0.644	0.644	0.036	0.0812	0.0048	0.94634	504	22	503	29	527	19	503.0	29.0	0.2	Single Age
10SMB06-118	3.85	1.360	1.36	0.27	0.0607	0.0067	0.59314	750	98	378	39	1820	220	DISC	DISC	49.6	Single Age
10SMB06-119	481	0.548	0.5477	0.026	0.068	0.0038	0.7109	443.1	17	424	23	546	15	424.0	23.0	4.3	Single Age
10SMB06-120	144.6	1.086	1.086	0.045	0.1187	0.005	0.94566	748	21	722	29	803	18	722.0	29.0	3.5	Single Age
10SMB06-121	312	0.390	0.39	0.026	0.0534	0.0039	0.72729	334.8	18	335.3	24	356	19	335.3	24.0	-0.1	Single Age
10SMB06-122	538	0.347	0.347	0.025	0.0478	0.0038	0.67096	302.3	19	300.9	23	319	19	300.9	23.0	0.5	Single Age
10SMB06-125	178.3	0.709	0.709	0.029	0.0857	0.0043	0.83223	543.5	17	530	25	585	19	530.0	25.0	2.5	Single Age
10SMB06-126	1310	0.333	0.3334	0.025	0.0465	0.0038	0.										

10SMB06-153	255	1.557	1.557	0.057	0.1563	0.0064	0.81492	950	23	939	37	1014	22	1014.0	22.0	7.4	Single Age
10SMB06-154	408	0.359	0.3587	0.027	0.0499	0.004	0.09993	310.9	20	313.8	24	271	23	313.8	24.0	-0.9	Single Age
10SMB06-155	282	0.529	0.529	0.031	0.0657	0.0043	0.85988	430	20	410	26	545	20	410.0	26.0	4.7	Single Age
10SMB06-156	894	0.381	0.3814	0.027	0.0519	0.004	0.75148	328.3	20	326.4	24	329	18	326.4	24.0	0.6	Single Age
10SMB06-157	442	0.337	0.3366	0.027	0.0474	0.0039	0.73606	294.3	20	298.5	24	234	21	298.5	24.0	-1.4	Single Age
10SMB06-159	314	0.629	0.629	0.035	0.0759	0.0044	0.77572	493	22	471	26	579	35	471.0	26.0	4.5	Single Age
10SMB06-160	407	1.101	1.101	0.038	0.1233	0.0047	0.8661	754	18	749	27	771	18	749.0	27.0	0.7	Single Age
10SMB06-161	489	0.315	0.3149	0.026	0.03963	0.0039	0.73888	277.8	20	250.5	24	514	14	250.5	24.0	9.8	Single Age
10SMB06-162	158	0.350	0.3498	0.027	0.04638	0.0039	0.57737	304.2	20	292.2	24	361	25	292.2	24.0	3.9	Single Age
10SMB06-163	208	0.572	0.572	0.028	0.0727	0.0042	0.74142	459	18	452.6	25	456	21	452.6	25.0	1.4	Single Age
10SMB06-164	341	0.528	0.528	0.031	0.0685	0.0043	0.89688	429	21	427	26	449	17	427.0	26.0	0.5	Single Age
10SMB06-166	133.4	0.332	0.332	0.027	0.04575	0.0039	0.63595	290.8	20	288.3	24	302	21	288.3	24.0	0.9	Single Age
10SMB06-167	577	0.506	0.506	0.028	0.0664	0.0041	0.81192	415.5	19	414.6	25	423	21	414.6	25.0	0.2	Single Age
10SMB06-168	228	0.390	0.39	0.027	0.0526	0.0039	0.80959	334.2	19	330.4	24	342	12	330.4	24.0	1.1	Single Age
10SMB06-169	358	0.953	0.953	0.059	0.1081	0.0061	0.96448	673	32	663	36	693	31	663.0	36.0	1.5	Single Age
10SMB06-170	699	0.535	0.535	0.034	0.0648	0.0045	0.95532	435	22	404	27	598	12	404.0	27.0	7.1	Single Age
10SMB06-171	496	0.352	0.352	0.028	0.0489	0.0041	0.72759	305.5	21	307.8	25	299	28	307.8	25.0	-0.8	Single Age
10SMB06-172	418	0.350	0.3497	0.027	0.04832	0.004	0.70082	304.2	20	304.8	25	298	19	304.8	25.0	-0.2	Single Age
10SMB06-173	337	0.342	0.3424	0.027	0.04778	0.004	0.7724	298.7	20	300.9	24	299	16	300.9	24.0	-0.7	Single Age
10SMB06-174	175	0.757	0.757	0.034	0.0911	0.0045	0.90516	572	20	562	27	603	15	562.0	27.0	1.7	Single Age
10SMB06-175	207	0.535	0.535	0.038	0.0678	0.005	0.92935	431	25	423	30	467	25	423.0	30.0	1.9	Single Age
10SMB06-176	217	0.338	0.3379	0.027	0.0465	0.004	0.71457	295.9	20	293.9	24	293	20	293.9	24.0	0.7	Single Age
10SMB06-178	512	0.504	0.504	0.031	0.0587	0.0042	0.8436	414	21	367.8	25	682	29	DISC	DISC	11.2	Single Age
10SMB06-179	315	0.526	0.526	0.028	0.0674	0.0042	0.78879	428.8	19	420.3	25	478	15	420.3	25.0	2.0	Single Age
10SMB06-180	210	0.392	0.392	0.028	0.0533	0.0042	0.69896	335.9	21	334.8	25	348	26	334.8	25.0	0.3	Single Age

Sample Name:		10SMB07																					
Upper Freshwater Molasse (18 Ma ± 3 Ma)				Isotopic Ratios						Apparent Ages (Ma)													
	U	U/Th		207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	206Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or			
Grain #	(ppm)			235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age			
10SMB07-1	315	0.3069		0.3069	0.015	0.04319	0.0015	0.60807	271.8	11	272.6	9.2	296	11	272.6	9.2	272.6	9.2	-0.3	Single Age			
10SMB07-2	385	0.3165		0.3165	0.015	0.04256	0.0015	0.24399	279.2	11	268.7	9.1	394	19	268.7	9.1	268.7	9.1	3.8	Single Age			
10SMB07-3	227	0.4232		0.4232	0.016	0.0565	0.0018	0.7337	358.2	11	354.2	11	354	17	354.2	11	354.2	11	1.1	Single Age			
10SMB07-4	472	0.5576		0.5576	0.016	0.07182	0.0017	0.76846	449.8	10	447.1	10	459	10	447.1	10	447.1	10	0.6	Single Age			
10SMB07-5	148	0.504		0.504	0.019	0.0496	0.0017	0.69635	414.1	13	311.9	11	1016	31	DISC	DISC	DISC	DISC	24.7	Single Age			
10SMB07-7	746	0.3344		0.3344	0.015	0.04643	0.0015	0.77353	292.8	11	292.6	9.3	303.5	8.1	292.6	9.3	292.6	9.3	0.1	Single Age			
10SMB07-8	305	0.611		0.611	0.025	0.0786	0.0023	0.78321	484	16	488	14	476	28	488	14	476	14	-0.8	Single Age			
10SMB07-9	609	0.3108		0.3108	0.015	0.04379	0.0015	0.69792	274.7	11	276.3	9.3	309	12	276.3	9.3	276.3	9.3	-0.6	Single Age			
10SMB07-10	997	0.3174		0.3174	0.015	0.04465	0.0017	0.88017	279.9	12	281.6	10	289	12	281.6	10	281.6	10	-0.6	Single Age			
10SMB07-12	294	0.5904		0.5904	0.017	0.075	0.0018	0.7998	471	11	465.9	11	491	11	465.9	11	465.9	11	1.1	Single Age			
10SMB07-13	205	0.3343		0.3343	0.015	0.04588	0.0015	0.60547	292.8	12	289.1	9.4	318	14	289.1	9.4	289.1	9.4	1.3	Single Age			
10SMB07-14	85.6	0.3216		0.3216	0.016	0.04436	0.0015	0.52846	283.6	12	279.8	9.5	330	20	279.8	9.5	279.8	9.5	1.3	Single Age			
10SMB07-15	449	0.3494		0.3494	0.016	0.04834	0.0017	0.82686	304.2	12	304.3	10	307	14	304.3	10	304.3	10	0.0	Single Age			
10SMB07-17	250.4	4.92		4.92	0.85	0.249	0.034	0.98876	1610	180	1400	180	2130	110	DISC	DISC	DISC	DISC	34.3	Single Age			
10SMB07-19	214.4	1.583		1.583	0.02	0.1615	0.002	0.7361	963.2	7.8	964.8	11	975.7	8.5	975.7	8.5	975.7	8.5	1.1	Single Age			
10SMB07-20	378	0.3146		0.3146	0.015	0.04388	0.0016	0.71463	277.7	12	276.8	9.7	288	10	276.8	9.7	276.8	9.7	0.3	Single Age			
10SMB07-21	591	0.4069		0.4069	0.016	0.05437	0.0016	0.69375	346.6	11	341.3	9.9	383	10	341.3	9.9	341.3	9.9	1.5	Single Age			
10SMB07-22	638	0.3105		0.3105	0.015	0.04319	0.0016	0.62781	274.9	12	272.6	9.7	323	13	272.6	9.7	272.6	9.7	0.8	Single Age			
10SMB07-23	156	5.32		5.32	0.23	0.328	0.013	0.98145	1877	35	1828	63	1922	13	1922	13	1922	13	4.9	Single Age			
10SMB07-24	226.9	0.3333		0.3333	0.016	0.04645	0.0016	0.60613	292	12	292.7	10	283	15	292.7	10	292.7	10	-0.2	Single Age			
10SMB07-25	480	0.2996		0.2996	0.016	0.04176	0.0016	0.78366	266.6	13	263.7	10	280	13	263.7	10	263.7	10	1.1	Single Age			
10SMB07-26	44.6	1.184		1.184	0.066	0.1194	0.0022	0.68612	792	32	727	13	937	89	727	13	727	13	8.2	Single Age			
10SMB07-27	186	0.3371		0.3371	0.016	0.04641	0.0016	0.56679	294.9	12	292.4	10	293	15	292.4	10	292.4	10	0.8	Single Age			
10SMB07-28	649	0.34		0.34	0.016	0.04663	0.0016	0.72452	297.1	12	293.8	9.9	303	12	293.8	9.9	293.8	9.9	1.1	Single Age			
10SMB07-33	528	0.3332		0.3332	0.016	0.04572	0.0016	0.62679	292	12	288.2	10	353	15	288.2	10	288.2	10	1.3	Single Age			
10SMB07-37	221	0.342		0.342	0.016	0.04749	0.0016	0.47471	298.6	12	299.1	10	291	13	299.1	10	299.1	10	-0.2	Single Age			
10SMB07-38	1028	0.3263		0.3263	0.016	0.04581	0.0017	0.79051	286.7	12	288.7	10	297	11	288.7	10	288.7	10	-0.7	Single Age			
10SMB07-40	652	0.3584		0.3584	0.017	0.0446	0.0019	0.79572	310.9	13	281.5	12	548	25	281.5	12	281.5	12	9.5	Single Age			
10SMB07-53	160	0.3618		0.3618	0.018	0.04969	0.0017	0.46208	313.4	13	312.6	11	339	19	312.6	11	312.6	11	0.3	Single Age			
10SMB07-64	353	0.3334		0.3334	0.016	0.04623	0.0017	0.68399	292.1	13	291.3	10	289	12	291.3	10	291.3	10	0.3	Single Age			
10SMB07-66	1940	0.3305		0.3305	0.016	0.04596	0.0017	0.76067	289.9	13	289.6	10	313	9.7	289.6	10	289.6	10	0.1	Single Age			
10SMB07-67	449	0.4864		0.4864	0.018	0.04919	0.0017	0.45838	402.3	12	309.5	10	982	17	DISC	DISC	DISC	DISC	23.1	Single Age			
10SMB07-68	295	0.3372		0.3372	0.016	0.04667	0.0017	0.61938	295	12	294	10	293	10	294	10	294	10	0.3	Single Age			
10SMB07-69	1020	0.3444		0.3444	0.016	0.04756	0.0017	0.78352	300.4	12	299.5	10	301	10	299.5	10	299.5	10	0.3	Single Age			
10SMB07-76	579	0.3325		0.3325	0.017	0.04585	0.0017	0.75397	291.4	13	289	10	317	10	289	10	289	10	0.8	Single Age			
10SMB07-80	1000	0.392		0.392	0.017	0.05346	0.0018	0.79794	335.8	12	335.7	11	355	10	335.7	11	335.7	11	0.0	Single Age			
10SMB07-84	335	0.355		0.355	0.017	0.04881	0.0017	0.7021	308.4	12	307.2	11	322	11	307.2	11	307.2	11	0.4	Single Age			
10SMB07-86	90	0.929		0.929	0.019	0.10893	0.0019	0.38777	666.8	10	666.5	11	663	13	666.5	11	666.5	11	0.0	Single Age			
10SMB07-88	365	0.2828		0.2828	0.017	0.0397	0.0017	0.66806	252.8	13	251	11	272	13	251	11	251	11	0.7	Single Age			
10SMB07-89	275.7	0.529		0.529	0.021	0.0696	0.0024	0.89454	431	14	434	14	440	12	434	14	434	14	-0.7	Single Age			
10SMB07-91	202	0.767		0.767	0.02	0.0959	0.0021	0.82651	577.8	12	590.5	12	537	12	590.5	12	590.5	12	-2.2	Single Age			
10SMB07-92	858	0.3522		0.3522	0.017	0.04835	0.0017	0.68294	306.3	12	304.4	10	327	11	304.4	10	304.4	10	0.6	Single Age			
10SMB07-95	1540	0.408		0.408	0.021	0.0294	0.0026	0.82699	347.1	15	187	16	1691	86	DISC	DISC	DISC	DISC	46.1	Single Age			
10SMB07-98	201	0.4424		0.4424	0.017	0.05919	0.0018	0.61099	371.8	12	370.7	11	375	13	370.7	11	370.7	11	0.3	Single Age			
10SMB07-99	2010	0.2146		0.2146	0.019	0.0293	0.0021	0.97614	197	16	186.1	13	345.1	9.3	186.1	13	186.1	13	5.5	Single Age			
10SMB07-102	2260	0.427		0.427	0.045	0.0323	0.0023	-0.9123	357	32	205	14	1430	280	DISC	DISC	DISC	DISC	42.6	Single Age			
10SMB07-105	1010	0.9594		0.9594	0.019	0.112	0.0021	0.86663	683.4	10	684	12	673.2	7	684	12	684	12	-0.1	Single Age			
10SMB07-108	1123	0.3286		0.3286	0.017	0.04498	0.0018	0.86007	288.4	13	283.6	11	339	11	283.6	11	283.6	11	1.7	Single Age			
10SMB07-110	1610	0.3429		0.3429	0.017	0.04768	0.0018	0.86951	299.3	13	300.2	11	305.7	9.5	300.2	11	300.2	11	-0.3	Single Age			
10SMB07-116	10590	0.3625		0.3625	0.017	0.04892	0.0017	0.76102	314.1	12	307.9	10	360	7.5	307.9	10	307.9	10	2.0	Single Age			
10SMB07-118	1330	0.3578		0.3578	0.017	0.04952	0.0018	0.91208	310.5	13	311.6	11	297.8	8	311.6	11	311.6	11	-0.4	Single Age			
10SMB07-120	1403	0.3151		0.3151	0.017	0.04425	0.0018	0.88152	278.7	14	279.1	11	306.3	8.7	279.1	11	279.1	11	-0.1	Single Age			
10SMB07-121	320	11.02		11.02	0.35	0.438	0.012	0.95406	2529	28	2339	55	2688.2	9.8	2688.2	9.8	2688.2	9.8	13.0	Single Age			
10SMB07-122	1097	0.3377		0.3377	0.017	0.04658	0.0017	0.7339	295.8	12	293.5	11	323	10	293.5	11	293.5	11	0.8	Single Age			
10SMB07-128	247	0.3573		0.3573	0.018	0.04915	0.0018	0.58974	310.1	13	309.3	11	330	21	309.3	11	309.3	11	0.3	Single Age			
10SMB07-130	281	0.4969		0.4969	0.019	0.055	0.002	0.50495	410.6	12	345.4	12	782	34	DISC	DISC	DISC	DISC	15.9	Single Age			
10SMB07-136	11700	0.787		0.787	0.025	0.0984	0.0031	0.902	590.9	13	605	18	658	22	605	18	605	18	-2.4	Single Age			
10SMB07-140	1670	0.3503		0.3503	0.018	0.04815	0.0019	0.89006	304.8	14	303.1	12	323	12	303.1	12	303.1	12	0.6	Single Age			
10SMB07-144	129.6	0.3566		0.3566	0.018	0.04709	0.0018	0.36905	309.5	13	296.6	11	391	29	296.6	11	296.6	11	4.2	Single Age			

Bregenz Section

Sample Name:		10SMB09		Isotopic Ratios					Apparent Ages (Ma)										Discordance*			Rim, Core or
Upper Freshwater Molasse (15 ± 2 Ma)		U																				
Grain #	U (ppm)	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	%	Single Age						
SMB09_1.FIN2	278	1	0.3529	0.0049	0.04778	0.0006	0.57007	306.8	3.7	301.3	3.4	344	27	301.3	3.4	1.8	Single Age					
SMB09_2.FIN2	154	1.62	0.385	0.0087	0.05205	0.0007	0.45752	330.3	6.4	327.1	4.5	339	47	327.1	4.5	1.0	Single Age					
SMB09_3.FIN2	90.9	0.626	0.2917	0.0085	0.04079	0.0008	0.4107	260.8	6.4	257.7	4.6	252	59	257.7	4.6	1.2	Single Age					
SMB09_6.FIN2	61.5	0.8	0.3644	0.009	0.04874	0.0008	0.080002	316.4	6.9	306.7	4.7	351	75	306.7	4.7	3.1	Single Age					
SMB09_7.FIN2	201	1.103	0.3445	0.0052	0.04723	0.0005	0.3136	300.4	3.9	297.9	3.1	320	32	297.9	3.1	0.8	Single Age					
SMB09_8.FIN2	419	1.035	0.3483	0.0065	0.04765	0.0007	0.25799	303.4	4.9	300.1	4.2	319	42	300.1	4.2	1.1	Single Age					
SMB09_9.FIN2	268.5	0.933	0.709	0.012	0.0866	0.0017	0.82493	544.1	6.9	535.6	9.9	569	26	535.6	9.9	1.6	Single Age					
SMB09_11.FIN2	695	1.5	0.3842	0.0037	0.05117	0.0006	0.67871	330.1	2.7	321.7	3.5	390	19	321.7	3.5	2.5	Single Age					
SMB09_12.FIN2	325	2.07	0.36	0.0056	0.04907	0.0005	0.2491	312.1	4.2	308.8	2.9	341	38	308.8	2.9	1.1	Single Age					
SMB09_13.FIN2	26.79	0.657	1.01	0.11	0.1095	0.0038	0.086596	699	45	670	22	780	150	670	22	4.1	Single Age					
SMB09_14.FIN2	120.7	0.769	0.7525	0.0084	0.09171	0.001	0.42762	569.5	4.9	565.6	5.9	576	25	565.6	5.9	0.7	Single Age					
SMB09_15.FIN2	415.2	0.617	0.3744	0.0057	0.05006	0.0007	0.62937	322.7	4.2	314.9	4	389	29	314.9	4	2.4	Single Age					
SMB09_16.FIN2	577	1.861	0.3105	0.0061	0.04219	0.0007	0.86652	274.5	4.7	266.4	4.4	355	20	266.4	4.4	3.0	Rim					
SMB09_16.FIN2	250.5	3.318	0.3453	0.0061	0.0472	0.0008	0.46342	301.1	4.6	297.3	4.8	307	40	297.3	4.8	1.3	Core					
SMB09_17.FIN2	252	3.36	0.5485	0.0067	0.07152	0.0007	0.58373	443.9	4.4	445.3	4.2	459	22	445.3	4.2	0.3	Single Age					
SMB09_18.FIN2	987	15.7	0.3794	0.0079	0.04953	0.0009	0.42741	326.5	5.8	311.6	5.7	453	42	311.6	5.7	4.6	Rim					
SMB09_18.FIN2	110.9	2.26	0.543	0.011	0.0691	0.0012	0.28171	440.5	7.5	430.4	7.3	540	60	430.4	7.3	2.3	Core					
SMB09_20.FIN2	190	46	1.591	0.041	0.158	0.0065	0.64684	966	16	945	36	991	48	991	48	4.6	Rim					
SMB09_20.FIN2	45.37	1.165	2.154	0.041	0.1977	0.0033	0.48279	1166	13	1163	18	1198	33	1198	33	2.9	Core					
SMB09_21.FIN2	409	2.843	0.803	0.017	0.078	0.0017	0.71692	598	9.5	484	10	1042	35	DISC	DISC	19.1	Single Age					
SMB09_22.FIN2	182	1.539	0.3783	0.009	0.05089	0.0008	0.20123	325.5	6.6	320	5	365	52	320	5	1.7	Single Age					
SMB09_23.FIN2	434.3	2.057	0.3906	0.0063	0.05315	0.0008	0.16277	334.6	4.6	333.8	4.6	340	33	333.8	4.6	0.2	Single Age					
SMB09_25.FIN2	242	4.03	0.537	0.0058	0.07025	0.0006	0.47369	436.3	3.8	438.1	3.8	436	24	438.1	3.8	0.4	Single Age					
SMB09_27.FIN2	287	1.603	0.3682	0.0071	0.04941	0.0006	0.38725	318.2	5.3	310.9	3.4	373	41	310.9	3.4	2.3	Single Age					
SMB09_30.FIN2	237.1	2	0.559	0.048	0.0599	0.0027	0.2608	450	31	375	16	860	200	DISC	DISC	16.7	Rim					
SMB09_30.FIN2	115	0.692	12.22	0.22	0.355	0.0074	0.77461	2626	19	1958	35	3179	18	DISC	DISC	38.4	Core					
SMB09_31.FIN2	163.2	3.5	0.494	0.012	0.0645	0.0011	0.57568	407.1	8.1	402.8	6.9	434	39	402.8	6.9	1.1	Single Age					
SMB09_36.FIN2	189	0.973	0.728	0.016	0.0871	0.0015	0.48687	555	9.2	538.1	8.9	620	40	538.1	8.9	3.0	Single Age					
SMB09_37.FIN2	145.9	1.755	6.05	0.11	0.3554	0.0058	0.74663	1986	17	1960	27	2030	24	2030	24	3.4	Single Age					
SMB09_39.FIN2	159	1.299	0.319	0.013	0.042	0.0014	0.00267	281	10	264.9	8.5	420	120	264.9	8.5	5.7	Rim					
SMB09_39.FIN2	95	2.65	0.815	0.017	0.0984	0.0017	0.50228	604.7	9.6	605	10	638	44	605	10	0.0	Core					
SMB09_40.FIN2	399	2.53	0.3951	0.0061	0.05321	0.0006	0.088685	338	4.4	334.2	3.5	365	41	334.2	3.5	1.1	Single Age					
SMB09_41.FIN2	429	1.623	0.3985	0.0065	0.0531	0.0008	0.62064	340.5	4.8	333.5	5	382	26	333.5	5	2.1	Single Age					
SMB09_42.FIN2	59.2	0.6029	1.799	0.028	0.1752	0.0024	0.20569	1044	10	1041	13	1040	29	1040	29	0.1	Single Age					
SMB09_43.FIN2	4440	1.87	0.3388	0.0027	0.04532	0.0004	0.74969	296.2	2	285.7	2.5	370	12	285.7	2.5	3.5	Single Age					
SMB09_46.FIN2	74.6	0.632	0.3848	0.0087	0.05115	0.0007	0.20173	330.2	6.4	321.6	4.5	377	58	321.6	4.5	2.6	Single Age					
SMB09_47.FIN2	246	1.9	0.7131	0.0097	0.0879	0.0011	0.60959	546.4	5.8	542.9	6.7	561	26	542.9	6.7	0.6	Single Age					
SMB09_49.FIN2	128.5	1.119	0.786	0.011	0.0949	0.0011	0.37528	588.9	6.5	584.6	6.4	586	33	584.6	6.4	0.7	Single Age					
SMB09_50.FIN2	596	2.033	1.668	0.021	0.1641	0.0021	0.45974	996.2	7.8	979	11	1025	22	1025	22	4.5	Single Age					
SMB09_52.FIN2	582	5.86	0.3858	0.0047	0.05199	0.0005	0.22341	331.2	3.5	326.7	3.2	360	32	326.7	3.2	1.4	Single Age					
SMB09_57.FIN2	299	2.67	4.429	0.047	0.3009	0.0036	0.7661	1717.3	8.7	1695	18	1742	13	1742	13	2.7	Single Age					
SMB09_58.FIN2	169.2	14.58	0.3938	0.0055	0.05326	0.0007	0.22643	337	4	334.5	4.5	344	34	334.5	4.5	0.7	Single Age					
SMB09_59.FIN2	91	0.821	0.38	0.014	0.0523	0.001	0.31804	327	10	328.5	6.2	318	68	328.5	6.2	0.5	Single Age					
SMB09_62.FIN2	132.8	0.837	0.5509	0.0088	0.06982	0.0009	0.41421	445.4	5.8	435	5.5	489	33	435	5.5	2.3	Single Age					
SMB09_63.FIN2	295	3.3	0.4181	0.0069	0.05628	0.0007	0.62359	354.5	5	352.9	4	352	30	352.9	4	0.5	Single Age					
SMB09_65.FIN2	148	1.715	2.041	0.017	0.1906	0.0013	0.43455	1128.9	5.8	1124.6	6.9	1128	17	1128	17	0.3	Single Age					
SMB09_69.FIN2	338	1.307	0.3755	0.0051	0.05124	0.0004	0.47472	324.1	3.7	322.1	2.6	326	26	322.1	2.6	0.6	Single Age					
SMB09_70.FIN2	46.6	1.447	2.281	0.045	0.1959	0.0028	0.30648	1206	14	1153	15	1276	43	1276	43	9.6	Single Age					
SMB09_73.FIN2	835	0.0082	0.3348	0.0029	0.04534	0.0005	0.65803	293.2	2.2	285.8	3.1	342	20	285.8	3.1	2.5	Single Age					
SMB09_74.FIN2	193.1	3.88	0.686	0.013	0.083	0.0011	0.44572	530.1	7.9	513.8	6.7	597	35	513.8	6.7	3.1	Single Age					
SMB09_75.FIN2	533	1.89	0.3789	0.0032	0.0518	0.0004	0.35564	326.2	2.4	325.5	2.3	331	21	325.5	2.3	0.2	Single Age					
SMB09_76.FIN2	80.2	1.262	1.642	0.035	0.1629	0.0025	0.20626	986	14	973	14	1012	43	1012	43	3.9	Single Age					
SMB09_77.FIN2	692	5.11	0.4299	0.0057	0.05272	0.0008	0.055042	363.1	4.1	331.2	4.9	585	56	331.2	4.9	8.8	Single Age					
SMB09_78.FIN2	62.6	1.311	0.864	0.022	0.1021	0.0012	0.095614	634	12	626.7	7.1	621	55	626.7	7.1	1.2	Single Age					
SMB09_79.FIN2	250	11.39	0.4082	0.0066	0.05475	0.0005	0.40092	347.4	4.7	343.6	3	369	34	343.6	3	1.1	Single Age					
SMB09_80.FIN2	51.48	1.534	0.662	0.051	0.0508	0.0018	0.11943	522	33	319	11	1530	160	DISC	DISC	38.9	Single Age					
SMB09_81.FIN2	202	1.65	0.364	0.0052	0.05	0.0008	0.181	315.1	3.8	314.5	4.8	318	48	314.5	4.8	0.2	Single Age					
SMB09_82.FIN2	282	2.77	0.371	0.0042	0.05085	0.0006	0.53798	320.3	3.1	319.7	3.9	334	27	319.7	3.9	0.2	Single Age					
SMB09_84.FIN2	233	6.22	0.4125	0.0094	0.0556	0.0011	0.56924	350.4	6.7	348.8	6.5	402	46	348.8	6.5	0.5	Single Age					
SMB09_85.FIN2																						

	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or
Grain #	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age
10SMB10-1	323	0.3276	0.3276	0.046	0.0455	0.0052	0.56195	288.1	34	286.8	32	297	17	DISC	DISC	0.5	Single Age
10SMB10-2	134.9	0.568	0.568	0.047	0.07274	0.0052	0.50574	456.5	30	452.6	32	478	15	452.6	32	0.9	Single Age
10SMB10-3	151.8	0.3661	0.3661	0.047	0.04619	0.0052	0.38602	316.6	35	291	32	485	30	DISC	DISC	8.1	Single Age
10SMB10-4	326	0.3596	0.3596	0.047	0.04753	0.0052	0.20074	311.7	35	299.3	32	392	36	DISC	DISC	4.0	Single Age
10SMB10-5	287	0.3454	0.3454	0.046	0.0477	0.0052	0.62467	301.1	35	300.3	32	310	15	DISC	DISC	0.3	Single Age
10SMB10-6	165	0.3448	0.3448	0.046	0.0472	0.0052	0.77149	300.6	35	297.3	32	336	17	DISC	DISC	1.1	Single Age
10SMB10-7	360	0.3826	0.3826	0.047	0.05053	0.0053	0.77193	328.7	34	317.7	32	410	21	DISC	DISC	3.3	Single Age
10SMB10-8	227	0.3423	0.3423	0.046	0.04715	0.0053	0.60824	298.8	35	297	32	310	18	DISC	DISC	0.6	Single Age
10SMB10-9	219	0.5402	0.5402	0.046	0.0696	0.0053	0.75883	438.4	31	433.8	32	462	14	433.8	32	1.0	Single Age
10SMB10-10	666	0.766	0.766	0.048	0.094	0.0057	0.80905	577.3	28	579	33	601	12	579	33	-0.3	Single Age
10SMB10-11	193.9	3.982	3.982	0.07	0.2811	0.0064	0.80599	1632	15	1597	32	1672	10	1672	10	4.5	Single Age
10SMB10-12	361.7	1.033	1.033	0.048	0.1124	0.0055	0.6961	720	24	686	32	815	15	686	32	4.7	Single Age
10SMB10-13	442	0.3368	0.3368	0.046	0.04615	0.0053	0.44643	294.7	35	290.8	33	342	23	DISC	DISC	1.3	Single Age
10SMB10-14	723	0.3422	0.3422	0.048	0.04758	0.0054	0.65948	298.8	36	299.6	33	302	13	DISC	DISC	-0.3	Single Age
10SMB10-15	401	0.3777	0.3777	0.05	0.04496	0.0056	0.66936	325.2	37	283.5	35	620	18	DISC	DISC	12.8	Single Age
10SMB10-16	135.1	0.5735	0.5735	0.051	0.07353	0.0057	0.61362	460.1	33	457.4	34	472	16	457.4	34	0.6	Single Age
10SMB10-17	502.9	0.3194	0.3194	0.052	0.04408	0.0058	0.76297	281.4	40	278	36	294	14	DISC	DISC	1.2	Single Age
10SMB10-18	157	0.5789	0.5789	0.052	0.07416	0.0058	0.56524	463.6	33	461.1	35	462	12	461.1	35	0.5	Single Age
10SMB10-19	149	0.3852	0.3852	0.05	0.0523	0.0057	0.7512	330.7	37	328.6	35	329	16	DISC	DISC	0.6	Single Age
10SMB10-20	336	0.3864	0.3864	0.049	0.05047	0.0056	0.67483	331.7	36	317.4	35	398	14	DISC	DISC	4.3	Single Age
10SMB10-21	522	0.3632	0.3632	0.047	0.04754	0.0053	0.36926	314.5	35	299.4	32	426	25	DISC	DISC	4.8	Single Age
10SMB10-22	318	0.3185	0.3185	0.047	0.04249	0.0052	0.58023	281.3	35	268.2	32	370	18	DISC	DISC	4.7	Single Age
10SMB10-24	1525	0.2044	0.2044	0.046	0.02803	0.0052	0.84676	188.8	39	178.2	33	328	15	DISC	DISC	5.6	Single Age
10SMB10-25	314	0.3411	0.3411	0.047	0.04688	0.0053	0.75517	297.9	35	295.9	32	309	14	DISC	DISC	0.7	Single Age
10SMB10-26	503	0.778	0.778	0.05	0.0928	0.0055	0.87132	584	28	572	32	620	17	572	32	2.1	Single Age
10SMB10-27	61.9	0.379	0.379	0.047	0.0516	0.0053	0.58673	325.9	35	324.3	32	326	21	324.3	32	0.5	Single Age
10SMB10-28	247	0.6271	0.6271	0.047	0.07959	0.0053	0.73794	494.1	29	493.6	32	498	13	493.6	32	0.1	Single Age
10SMB10-29	90.5	1.925	1.925	0.053	0.1857	0.0059	0.79517	1089.3	19	1098	32	1064	12	1064	12	-3.2	Single Age
10SMB10-30	238	0.5789	0.5789	0.047	0.074	0.0054	0.81807	463.5	30	460	32	496	13	460	32	0.8	Single Age
10SMB10-32	433	0.581	0.581	0.048	0.0651	0.0056	0.57823	465.1	31	406	34	787	46	DISC	DISC	12.7	Single Age
10SMB10-35	189	0.5677	0.5677	0.047	0.07367	0.0053	0.6084	456.3	30	458.2	32	461	14	458.2	32	-0.4	Single Age
10SMB10-37	649	0.3313	0.3313	0.047	0.04516	0.0054	0.79242	290.5	36	284.7	33	369	16	DISC	DISC	2.0	Single Age
10SMB10-38	1341	0.333	0.333	0.047	0.04644	0.0054	0.85498	291.7	36	292.6	33	328	14	DISC	DISC	-0.3	Single Age
10SMB10-39	279.3	0.3965	0.3965	0.047	0.05149	0.0053	0.67623	339.1	34	323.6	33	449	15	DISC	DISC	4.6	Single Age
10SMB10-40	93	0.3925	0.3925	0.047	0.0525	0.0053	0.67921	336.9	35	329.8	33	393	15	DISC	DISC	2.1	Single Age
10SMB10-41	365	1.055	1.055	0.053	0.1192	0.0058	0.86362	730	26	726	34	760	20	726	34	0.5	Single Age
10SMB10-42	1022	0.3086	0.3086	0.046	0.0425	0.0052	0.76023	273	36	268.3	32	320	10	DISC	DISC	1.7	Single Age
10SMB10-43	249	0.376	0.376	0.047	0.0498	0.0053	0.76513	323.7	35	313.2	33	382	24	DISC	DISC	3.2	Single Age
10SMB10-44	837	0.3327	0.3327	0.046	0.04599	0.0053	0.77952	291.5	35	289.8	32	313	11	DISC	DISC	0.6	Single Age
10SMB10-46	651	0.3236	0.3236	0.047	0.04459	0.0053	0.85299	284.6	36	281.2	33	310	13	DISC	DISC	1.2	Single Age
10SMB10-47	236	0.736	0.736	0.049	0.0877	0.0056	0.86777	559.7	28	542	33	637	12	542	33	3.2	Single Age
10SMB10-48	547	0.3832	0.3832	0.047	0.05134	0.0053	0.48401	329.3	34	322.7	32	364	13	322.7	32	2.0	Single Age
10SMB10-49	334	1.172	1.172	0.049	0.1296	0.0056	0.84781	788.1	22	786	32	805.5	9.8	786	32	0.3	Single Age
10SMB10-50	306	0.5647	0.5647	0.048	0.0723	0.0054	0.7945	454.4	31	450.1	32	469	11	450.1	32	0.9	Single Age
10SMB10-52	298.4	0.5921	0.5921	0.048	0.07356	0.0054	0.72781	472	31	457.5	32	533	15	457.5	32	3.1	Single Age
10SMB10-53	104.3	0.994	0.994	0.054	0.0998	0.0055	0.36478	700	27	613.2	32	964	41	DISC	DISC	12.4	Single Age
10SMB10-54	1050	0.3776	0.3776	0.047	0.04977	0.0053	0.71701	325.1	35	313.1	32	390	10	DISC	DISC	3.7	Single Age
10SMB10-55	590	0.3165	0.3165	0.047	0.04241	0.0053	0.85015	279.1	36	267.7	33	384	16	DISC	DISC	4.1	Single Age
10SMB10-56	399	0.877	0.877	0.05	0.1013	0.0055	0.83093	640.2	26	623.2	31	685	20	623.2	31	2.7	Single Age
10SMB10-57	89.1	5.55	5.55	0.1	0.3461	0.0069	0.55637	1908	15	1921	35	1884	12	1884	12	-2.0	Single Age
10SMB10-59	294	0.729	0.729	0.051	0.0878	0.0057	0.86222	555.3	30	542	34	590	14	542	34	2.4	Single Age
10SMB10-60	294	0.918	0.918	0.049	0.1071	0.0055	0.81331	661.2	26	656.1	32	671.7	9.1	656.1	32	0.8	Single Age
10SMB10-61	396	0.3823	0.3823	0.048	0.0479	0.0054	0.64543	329.4	36	301.6	33	542	20	DISC	DISC	8.4	Single Age
10SMB10-62	249	5.07	5.07	0.36	0.28	0.019	0.97382	1823	66	1591	97	2114	21	DISC	DISC	24.7	Single Age
10SMB10-63	690	0.3105	0.3105	0.046	0.04332	0.0052	0.728	274.5	36	273.3	32	285	13	DISC	DISC	0.4	Single Age
10SMB10-64	220	0.6199	0.6199	0.047	0.0785	0.0053	0.73465	490.2	30	487.1	32	508	13	487.1	32	0.6	Single Age
10SMB10-65	866	0.3539	0.3539	0.047	0.04772	0.0053	0.79725	307.6	35	300.5	33	383	14	DISC	DISC	2.3	Single Age
10SMB10-66	6500	0.3443	0.3443	0.047	0.04749	0.0053	0.88986	300.3	36	299.1	33	314.2	8.2	DISC	DISC	0.4	Single Age
10SMB10-67	143	0.7808	0.7808	0.048	0.0947	0.0054	0.76322	586.4	28	583.3	32	586	12	583.3	32	0.5	Single Age
10SMB10-69	587	2.987	2.987	0.062	0.2382	0.0061	0.74268	1404	16	1377	32	1457.7	9.7	1457.7	9.7	5.5	Single Age
10SMB10-70	194	4.69	4.69	0.17	0.314	0.012	0.98393	1759	32	1755	61	1789	16	1789	16	1.9	Single Age
10SMB10-72	190	0.5746	0.5746	0.047	0.07435	0.0053	0.55312	460.8	31	462.3	32	455	16	462.3	32	-0.3	Single Age
10SMB10-73	322	0.2932	0.2932	0.047	0.04066	0.0053	0.74975	261	37	256.9	33	292	16	DISC	DISC	1.6	Single Age
10SMB10-74	824	0.3925	0.3925	0.047	0.05317	0.0053	0.81099	336.1	34	333.9	33	350	12	333.9	33	0.7	Single Age
10SMB10-75	1054	0.478	0.478	0.048	0.053	0.0056	0.49023	396.5	33	333	34	815	63	DISC	DISC	16.0	Single Age
10SMB10-76	257.7	0.3435	0.3435	0.047	0.04341	0.0053	0.66661	301.1	36	273.9	33	518	23	DISC	DISC	9.0	Single Age
10SMB10-77	2502	0.281	0.281	0.045	0.03935	0.0053	0.69982	251.7	37	248.8	33	257	11	DISC	DISC	1.2	Single Age
10SMB10-78	163	0.5633	0.5633	0.047	0.07145	0.0053	0.6458	453.5	31	444.9	32	480	16	444.9	32	1.9	Single Age
10SMB10-79	1540	0.3082	0.3082	0.047	0.04255	0.0053	0.80696	272.7	37	268.6	33	284	8.6	DISC	DISC	1.5	Single Age
10SMB10-80	307.2	0.5686	0.5686	0.048	0.07179	0.0054	0.78635	456.9	31	447.7	32	499	13	447.7	32	2.0	Single Age
10SMB10-81	1766	0.218	0.218	0.049	0.0247												

10SMB10-105	158.3	0.3158	0.3158	0.048	0.04421	0.0054	0.55008	278.6	37	278.8	33	276	15	DISC	DISC	-0.1	Single Age
10SMB10-106	272	0.4023	0.4023	0.049	0.05178	0.0054	0.67929	343.1	35	325.4	33	468	22	DISC	DISC	5.2	Single Age
10SMB10-107	878	3.28	3.28	0.1	0.2022	0.0073	0.93391	1475	24	1187	39	1930	11	DISC	DISC	38.5	Single Age
10SMB10-108	402	0.3832	0.3832	0.048	0.04625	0.0054	0.56097	329.2	35	291.5	33	592	26	DISC	DISC	11.5	Single Age
10SMB10-109	302	0.3786	0.3786	0.048	0.0478	0.0054	0.58452	325.9	35	301	33	516	18	DISC	DISC	7.6	Single Age
10SMB10-111	203.8	0.627	0.627	0.049	0.0798	0.0055	0.88613	494.5	30	494.9	33	498	14	494.9	33	-0.1	Single Age
10SMB10-112	546	0.5835	0.5835	0.048	0.07546	0.0054	0.77253	466.6	30	469	32	464.6	7.9	469	32	-0.5	Single Age
10SMB10-113	378	0.3505	0.3505	0.047	0.0496	0.0054	0.83206	304.9	35	312.1	33	297	14	DISC	DISC	-2.4	Single Age
10SMB10-114	464	0.767	0.767	0.048	0.0941	0.0055	0.86832	577.6	28	579.5	32	591	13	579.5	32	-0.3	Single Age
10SMB10-115	224	0.578	0.578	0.059	0.0735	0.0067	0.96557	462	38	457	40	509	23	457	40	1.1	Single Age
10SMB10-116	1024	0.428	0.428	0.047	0.0433	0.0054	-0.44656	363.1	32	273	33	1008	98	DISC	DISC	24.8	Single Age
10SMB10-117	280.2	0.8027	0.8027	0.023	0.09754	0.003	0.67326	598.2	13	599.9	18	592.4	8.4	599.9	18	-0.3	Single Age
10SMB10-118	113.8	4.5	4.5	0.14	0.3074	0.0094	0.93595	1729	26	1727	46	1705	12	1705	12	-1.3	Single Age
10SMB10-119	26.8	15.34	15.34	0.33	0.553	0.0094	0.76776	2835	20	2837	39	2837	12	2837	12	0.0	Single Age
10SMB10-120	617	0.385	0.385	0.028	0.0499	0.0037	0.9461	330	20	314	23	460	15	314	23	4.8	Single Age
10SMB10-121	99.4	3.848	3.848	0.05	0.2829	0.0046	0.8329	1602.3	10	1605	23	1608	11	1608	11	0.2	Single Age
10SMB10-123	301.1	0.6067	0.6067	0.025	0.07774	0.0032	0.72416	481.3	16	482.6	19	485	15	482.6	19	-0.3	Single Age
10SMB10-125	83.4	2.47	2.47	0.046	0.2169	0.0038	0.6485	1263	14	1266	20	1285	22	1285	22	1.5	Single Age
10SMB10-128	292	0.3874	0.3874	0.024	0.05308	0.0032	0.78809	332.3	18	333.4	19	332	13	333.4	19	-0.3	Single Age
10SMB10-129	195.3	1.504	1.504	0.045	0.1471	0.0044	0.85382	934	17	885	25	1063	19	1063	19	16.7	Single Age
10SMB10-130	181	0.797	0.797	0.029	0.0964	0.0036	0.89251	594.2	17	593	21	608	14	593	21	0.2	Single Age
10SMB10-131	682	0.3138	0.3138	0.024	0.04327	0.0032	0.80873	277	18	273.1	20	307	11	273.1	20	1.4	Single Age
10SMB10-132	334	0.392	0.392	0.025	0.0474	0.0033	0.83654	335.6	18	298.5	20	598	16	DISC	DISC	11.1	Single Age
10SMB10-133	172	0.674	0.674	0.032	0.0809	0.0041	0.92454	522	20	501	24	589	16	501	24	4.0	Single Age
10SMB10-136	314	0.5687	0.5687	0.024	0.07264	0.0031	0.6166	457	16	452	19	478	13	452	19	1.1	Single Age
10SMB10-137	163.6	0.658	0.658	0.031	0.0791	0.0039	0.95662	513	19	491	23	598	14	491	23	4.3	Single Age
10SMB10-138	415	0.704	0.704	0.028	0.0871	0.0036	0.9245	540.8	17	538	21	543	11	538	21	0.5	Single Age
10SMB10-139	63.37	0.3264	0.3264	0.026	0.04423	0.0032	0.50929	286.4	20	279	20	328	32	279	20	2.6	Single Age
10SMB10-140	945	0.3331	0.3331	0.024	0.04618	0.0032	0.81256	291.8	18	291	20	309	11	291	20	0.3	Single Age
SMB10_1.FIN2	42.3	0.5539	1.473	0.041	0.1519	0.0037	0.44708	918	17	911	21	946	54	946	54	3.7	Single Age
SMB10_2.FIN2	151.7	1.271	1.624	0.014	0.1659	0.0012	0.53975	979.3	5.4	989.4	6.4	973	17	973	17	1.7	Single Age
SMB10_3.FIN2	570	9.79	0.539	0.0064	0.07061	0.0008	0.43476	437.6	4.2	439.8	5	449	22	439.8	5	0.5	Single Age
SMB10_4.FIN2	512	10.7	0.6296	0.0082	0.07931	0.001	0.051598	495.6	5.1	492	5.9	517	18	492	5.9	0.7	Single Age
SMB10_5.FIN2	869	3.4	4.76	0.17	0.2423	0.0077	0.92713	1776	30	1398	40	2264	21	DISC	DISC	38.3	Single Age
SMB10_6.FIN2	144.1	1.213	0.3754	0.0059	0.05143	0.0006	0.41522	323.4	4.3	323.3	3.5	306	35	323.3	3.5	0.0	Single Age
SMB10_8.FIN2	283	5.22	0.5797	0.0068	0.07483	0.0008	0.75967	464.1	4.4	465.1	4.9	463	22	465.1	4.9	0.2	Single Age
SMB10_9.FIN2	177.9	1.399	0.3429	0.0058	0.04724	0.0006	0.15606	299.2	4.3	297.5	3.7	290	42	297.5	3.7	0.6	Single Age
SMB10_10.FIN2	29.42	1.895	2.887	0.065	0.2018	0.0053	0.62017	1377	17	1184	28	1703	46	DISC	DISC	30.5	Single Age
SMB10_11.FIN2	330.9	0.844	0.3809	0.007	0.05167	0.0009	0.51284	327.6	5.2	324.7	5.6	366	46	324.7	5.6	0.9	Single Age
SMB10_13.FIN2	181.5	26.7	1.652	0.018	0.1679	0.0017	0.59827	991.2	7	1000.5	9.2	976	20	976	20	2.5	Single Age
SMB10_14.FIN2	145.7	1.644	12.1	0.15	0.4842	0.0072	0.83365	2611	12	2545	31	2658	13	2658	13	4.3	Single Age
SMB10_15.FIN2	1457	2.36	0.2769	0.0041	0.03702	0.0006	0.89544	248.1	3.3	234.3	3.8	380	19	234.3	3.8	5.6	Single Age
SMB10_16.FIN2	176	1.657	0.586	0.013	0.07211	0.0009	0.27584	467.9	8.5	448.8	5.7	571	44	448.8	5.7	4.1	Single Age
SMB10_17.FIN2	277	1.6	0.354	0.012	0.04875	0.0007	0.25312	307.1	8.7	306.8	4.1	293	37	306.8	4.1	0.1	Single Age
SMB10_18.FIN2	156	0.85	0.3899	0.0056	0.05355	0.0006	0.4837	334.1	4.1	336.3	3.8	322	32	336.3	3.8	0.7	Single Age
SMB10_19.FIN2	228	3.49	0.7424	0.0091	0.09153	0.001	0.50724	564.6	5	564.5	5.8	583	24	564.5	5.8	0.0	Single Age
SMB10_20.FIN2	515	7.03	0.4447	0.0053	0.05944	0.0009	0.63109	373.5	3.8	372.2	5.2	395	27	372.2	5.2	0.3	Single Age
SMB10_22.FIN2	56.3	1.541	3.061	0.05	0.2432	0.0037	0.67296	1422	13	1406	20	1457	24	1457	24	3.5	Single Age
SMB10_23.FIN2	794	13.43	0.6053	0.0057	0.07709	0.0008	0.72498	480.4	3.6	478.7	4.9	500	15	478.7	4.9	0.4	Single Age
SMB10_24.FIN2	596	0.959	0.3311	0.0033	0.04568	0.0005	0.19629	290.4	2.5	287.9	2.8	313	26	287.9	2.8	0.9	Single Age
SMB10_25.FIN2	1409	26.5	0.319	0.018	0.0402	0.0012	0.62198	281	14	254.1	7.7	518	86	254.1	7.7	9.6	Rim
SMB10_25.FIN2	386.5	1.188	0.576	0.011	0.0734	0.0013	0.13445	461.9	7.3	456.7	7.6	486	38	456.7	7.6	1.1	Core
SMB10_26.FIN2	700	3.102	0.332	0.0035	0.04512	0.0005	0.56009	291	2.7	284.5	3.2	350	24	284.5	3.2	2.8	Single Age
SMB10_27.FIN2	285.1	3.1	0.599	0.012	0.0737	0.0013	0.61746	476.2	7.8	458.2	7.7	543	34	458.2	7.7	3.8	Single Age
SMB10_29.FIN2	414	72	0.433	0.056	0.0528	0.0024	0.41226	363	36	332	15	409	75	332	15	8.5	Rim
SMB10_29.FIN2	188	1.102	0.838	0.017	0.0993	0.0023	0.81458	618.1	9.6	610	14	651	26	610	14	1.3	Core
SMB10_31.FIN2	465	2.002	0.3635	0.0066	0.04965	0.0006	0.48652	316.2	4.9	313	4	361	37	313	4	1.0	Single Age
SMB10_32.FIN2	187.7	1.567	0.63	0.012	0.07939	0.0008	0.11552	495.4	7.3	492.5	4.4	499	44	492.5	4.4	0.6	Single Age
SMB10_34.FIN2	102.4	1.311	5.294	0.084	0.3265	0.0053	0.84408	1869	14	1821	26	1924	17	1924	17	5.4	Single Age
SMB10_35.FIN2	148.3	0.546	3.96	0.27	0.2648	0.004	0.25213	1617	50	1514	20	1760	110	1760	110	14.0	Single Age
SMB10_36.FIN2	118	2.029	0.3167	0.0056	0.04431	0.0007	0.031811	279.2	4.3	279.5	4.5	281	51	279.5	4.5	0.1	Single Age
SMB10_37.FIN2	213	3.05	0.5675	0.0067	0.07315	0.0007	0.014874	456.2	4.3	455.1	4	472	31	455.1	4	0.2	Single Age
SMB10_38.FIN2	136.9	5.12	0.5765	0.0093	0.07489	0.0008	0.1456	462.9	5.7	465.5	4.9	457	30	465.5	4.9	0.6	Single Age
SMB10_39.FIN2	388	7.46	0.5741	0.0072	0.07402	0.0009	0.46322	460.5	4.7	460.3	5.6	489	24	460.3	5.6	0.0	Single Age
SMB10_40.FIN2	182	3.85	0.626	0.011	0.0808	0.0012	0.73791	493.3	6.9	501.1	7.2	473	32	501.1	7.2	1.6	Single Age
SMB10_42.FIN2	1191	2.71	0.396	0.011	0.0444	0.0009	0.50969	338.6	8.1	280.1	5.4	775	45	DISC	DISC	17.3	Single Age
SMB10_44.FIN2	362	1.726	0.3568	0.0053	0.04968	0.0007	0.61185	309.7	4	312.5	4.1	282	33	312.5	4.1	0.9	Single Age
SMB10_45.FIN2	232	1.289	0.755	0.012	0.0921	0.0016	0.69644	570.6	6.9	568.1	9.6	592	27	568.1	9.6	0.4	Single Age
SMB10_46.FIN2	454.4	2.269	0.3263	0.0031	0.0454	0.0004	0.42892	286.7	2.4	286.2	2.3	298	22	286.2	2.3	0.2	Single Age
SMB10_48.FIN2	199	2.52	0.3894	0.0064	0.05314	0.0006	0.012334	333.7	4.7	333.8	3.7	344	40	333.8	3.7	0.0	Single Age
SMB10_49.FIN2	156.7	2.506	2.411	0.032	0.2074	0.0026	0.34286	1245.2	9.4	1215	14	1295	22	1295	22	6.2	Single Age
SMB10_50.FIN2	131.1	2.091	1.122	0.014	0.1245	0.0											

SMB10_77.FIN2	177	0.8721	0.3307	0.0056	0.04537	0.0006	0.33453	289.9	4.3	286	3.4	305	33	286	3.4	1.3	Single Age
SMB10_78.FIN2	128.6	6.41	0.534	0.011	0.0693	0.0012	0.34236	434.2	7.1	431.7	7.4	424	48	431.7	7.4	0.6	Single Age
SMB10_79.FIN2	930	2.11	0.3111	0.0039	0.04356	0.0006	0.54706	274.9	3	274.9	3.6	282	29	274.9	3.6	0.0	Single Age
SMB10_80.FIN2	414	7.7	0.3873	0.0058	0.05261	0.0006	0.35404	332.2	4.3	330.5	3.3	322	28	330.5	3.3	0.5	Single Age
SMB10_81.FIN2	1846	22.1	0.3488	0.0095	0.0347	0.0016	0.55533	303.8	7.1	220	10	1043	77	DISC	DISC	27.6	Rim
SMB10_81.FIN2	316	7.24	0.5358	0.0099	0.0707	0.0017	0.69547	435.5	6.5	440	10	419	37	440	10	1.0	Core
SMB10_82.FIN2	120	1.159	0.3649	0.0083	0.0504	0.0012	0.64604	316.7	6.4	317	7.4	318	50	317	7.4	0.1	Single Age
SMB10_83.FIN2	688	1.842	0.348	0.0042	0.04746	0.0006	0.346	303.1	3.2	298.9	3.6	336	26	298.9	3.6	1.4	Single Age
SMB10_85.FIN2	135.5	0.759	0.3582	0.0081	0.04981	0.0005	0.30522	310.6	6.1	313.3	3.3	290	50	313.3	3.3	0.9	Single Age
SMB10_86.FIN2	81.9	13.2	0.517	0.018	0.0677	0.0025	0.69687	422	12	422	15	462	65	422	15	0.0	Single Age
SMB10_87.FIN2	70.6	0.902	0.876	0.012	0.1045	0.0013	0.49538	638.7	6.2	640.8	7.7	630	31	640.8	7.7	0.3	Single Age
SMB10_88.FIN2	233.4	1.742	0.802	0.013	0.0973	0.0015	0.80314	597.9	7.2	600.1	8.2	607	21	600.1	8.2	0.4	Single Age
SMB10_89.FIN2	1331	3.133	0.3232	0.009	0.02487	0.0006	0.45897	284.3	6.9	158.4	3.7	1535	60	DISC	DISC	44.3	Rim
SMB10_89.FIN2	474	1.78	0.371	0.0065	0.04527	0.0006	0.005453	320.3	4.8	285.4	3.6	589	42	DISC	DISC	10.9	Core
SMB10_90.FIN2	113	1.109	0.4151	0.0095	0.0561	0.0011	0.57487	352.3	6.8	351.6	6.8	384	45	351.6	6.8	0.2	Single Age
SMB10_91.FIN2	164	1.462	0.83	0.012	0.1019	0.0011	0.51961	613.2	6.6	625.5	6.5	587	28	625.5	6.5	2.0	Single Age
SMB10_92.FIN2	105	1.138	0.3906	0.0099	0.05286	0.0007	0.09362	334.3	7.2	332	4.5	322	52	332	4.5	0.7	Single Age
SMB10_93.FIN2	192.1	1.03	1.686	0.025	0.1697	0.0023	0.58071	1002.9	9.4	1010	13	983	24	983	24	2.7	Single Age
SMB10_94.FIN2	312	2.135	0.4167	0.0065	0.05582	0.0008	0.50952	354.2	4.8	350.1	4.7	371	31	350.1	4.7	1.2	Single Age
SMB10_95.FIN2	307	2.395	0.3521	0.0043	0.04844	0.0006	0.57038	306.2	3.2	304.9	3.4	315	25	304.9	3.4	0.4	Single Age
SMB10_96.FIN2	421	1.42	0.3643	0.0074	0.049	0.001	0.51482	315.3	5.5	308.3	6.1	347	37	308.3	6.1	2.2	Single Age
SMB10_97.FIN2	752	1.77	0.3491	0.0054	0.04789	0.0007	0.58053	303.9	4	301.5	4	299	25	301.5	4	0.8	Single Age
SMB10_99.FIN2	74.6	1.064	1.702	0.026	0.17	0.0022	0.36417	1010	9.7	1012	12	989	31	989	31	2.3	Single Age
SMB10_100.FIN2	295	4.28	0.4119	0.0058	0.05518	0.0006	0.032444	350.2	4.2	345.4	3.6	361	38	346.2	3.6	1.1	Single Age
SMB10_102.FIN2	252	1.297	0.3328	0.0053	0.04591	0.0006	0.41224	291.6	4	289.3	3.5	304	34	289.3	3.5	0.8	Single Age
SMB10_103.FIN2	313	2.66	0.4221	0.0061	0.05631	0.0006	0.60015	357.4	4.3	353.1	3.9	398	27	353.1	3.9	1.2	Single Age
SMB10_104.FIN2	1251	1	0.1945	0.0038	0.02534	0.0005	0.33807	180.4	3.2	161.3	3.4	468	43	DISC	DISC	10.6	Rim
SMB10_104.FIN2	536	1.671	0.379	0.012	0.05238	0.0008	0.53634	326.2	9	329.1	4.9	316	69	329.1	4.9	0.9	Core
SMB10_105.FIN2	20.37	0.496	1.76	0.056	0.1739	0.0038	0.15958	1033	22	1033	21	1083	94	1083	94	4.6	Single Age
SMB10_106.FIN2	207	1.316	0.3926	0.0055	0.05379	0.0005	0.16091	336.1	4	337.8	3	351	32	337.8	3	0.5	Single Age
SMB10_107.FIN2	124.1	0.687	0.4105	0.0069	0.056	0.001	0.61853	349	4.9	351.3	6.4	361	35	351.3	6.4	0.7	Single Age
SMB10_108.FIN2	129	2.35	0.356	0.0098	0.04737	0.0009	0.49149	308.9	7.3	298.3	5.7	380	54	298.3	5.7	3.4	Single Age
SMB10_109.FIN2	395	1.422	0.788	0.01	0.0973	0.0014	0.70121	590.1	5.8	598.4	8	573	25	598.4	8	1.4	Single Age
SMB10_110.FIN2	128	8.7	0.743	0.013	0.0915	0.0011	0.36655	563.7	7.7	564.3	6.4	569	35	564.3	6.4	0.1	Single Age
SMB10_111.FIN2	169	1.141	0.58	0.012	0.07339	0.0009	0.069608	463.9	7.5	456.5	5.3	464	42	456.5	5.3	1.6	Single Age
SMB10_115.FIN2	5420	0.02885	0.3001	0.0031	0.04067	0.0004	0.83285	266.4	2.4	257	2.5	329	12	257	2.5	3.5	Single Age
SMB10_116.FIN2	419	3.434	0.3576	0.0051	0.04911	0.0005	0.46068	310.3	3.8	309	3	310	30	309	3	0.4	Single Age
SMB10_117.FIN2	166.7	1.204	0.3412	0.0053	0.04715	0.0005	0.31174	298.6	4.1	297	3.1	292	33	297	3.1	0.5	Single Age
SMB10_118.FIN2	124.9	1.4	2.756	0.048	0.2216	0.0037	0.70607	1343	13	1290	19	1397	21	1397	21	7.7	Single Age
SMB10_119.FIN2	282	8.57	0.787	0.011	0.0958	0.0011	0.44333	589.2	6.4	589.6	6.7	569	35	589.6	6.7	0.1	Single Age

Sample Name:		10SMB11																	
Lower Freshwater		Mollasse II (22 ± 2 Ma)		Isotopic Ratios						Apparent Ages (Ma)									
	U	U/Th	207Pb	2σ error	206Pb	2σ error	Error	207Pb	2σ error	206Pb	2σ error	207Pb	2σ error	Best age	2σ error	Discordance*	Rim, Core or		
Grain #	(ppm)		235U	(abs.)	238U	(abs.)	Corr.	235U	(Ma)	238U	(Ma)	206Pb	(Ma)	(Ma)	(Ma)	%	Single Age		
SMB11_1.FIN2	245	4.68	0.604	0.015	0.0751	0.0017	0.71526	479.1	9.2	467	10	508	35	467	10	2.5	Single Age		
SMB11_2.FIN2	1460	0.01345	0.39	0.012	0.0502	0.0011	0.49955	334.5	8.5	315.7	6.8	463	53	315.7	6.8	5.6	Single Age		
SMB11_5.FIN2	431	1.184	0.3572	0.0036	0.04948	0.0003	0.056434	310.1	2.7	311.3	1.8	303	26	311.3	1.8	0.4	Single Age		
SMB11_7.FIN2	181.5	0.754	0.4078	0.0077	0.05582	0.0006	0.27079	347.1	5.5	350.1	3.5	336	42	350.1	3.5	0.9	Single Age		
SMB11_8.FIN2	126.1	0.969	0.541	0.011	0.07103	0.0009	0.26152	440.2	7.5	442.4	5.1	456	42	442.4	5.1	0.5	Single Age		
SMB11_9.FIN2	160.4	0.652	0.575	0.011	0.0746	0.0011	0.41748	461.1	6.8	463.8	6.4	475	39	463.8	6.4	0.6	Single Age		
SMB11_10.FIN2	49.3	1.149	3.7	0.055	0.2761	0.0029	0.48056	1572	11	1571	15	1596	22	1596	22	1.6	Single Age		
SMB11_11.FIN2	211	29	0.61	0.084	0.0572	0.001	0.078836	479	48	358.8	6.3	1060	230	DISC	DISC	25.1	Rim		
SMB11_11.FIN2	198	1.383	0.617	0.018	0.07072	0.0007	0.069943	487	11	440.5	4.3	710	60	440.5	4.3	9.5	Core		
SMB11_12.FIN2	100	1.098	1.099	0.018	0.1202	0.0016	0.42837	752.7	8.9	733.5	9.8	805	35	733.5	9.8	2.6	Single Age		
SMB11_13.FIN2	164	4.39	0.663	0.01	0.0835	0.0012	0.66097	516.1	6.4	516.7	6.9	495	37	516.7	6.9	0.1	Single Age		
SMB11_14.FIN2	716	0.00996	0.5528	0.0075	0.0681	0.0011	0.22598	446.7	4.9	424.8	6.5	575	36	424.8	6.5	4.9	Single Age		
SMB11_15.FIN2	418	2.041	0.444	0.01	0.0502	0.0012	0.47586	373	7.3	315.8	7.2	745	43	DISC	DISC	15.3	Single Age		
SMB11_16.FIN2	5681	0.07828	0.3487	0.0031	0.04686	0.0004	0.6915	303.7	2.3	295.2	2.3	385	17	295.2	2.3	2.8	Single Age		
SMB11_17.FIN2	6120	0.0915	0.5187	0.0047	0.066	0.0007	0.84785	424.2	3.1	412	4.3	493	12	412	4.3	2.9	Single Age		
SMB11_18.FIN2	127.7	1.386	2.23	0.034	0.2019	0.0021	0.56567	1189	10	1185	11	1209	27	1209	27	2.0	Single Age		
SMB11_19.FIN2	173.2	2.431	7.263	0.071	0.3892	0.0028	0.3059	2143.7	8.8	2119	13	2172	20	2172	20	2.4	Single Age		
SMB11_21.FIN2	721	0.01042	0.5038	0.0072	0.06444	0.0006	0.62861	414.1	4.8	402.6	3.8	489	20	402.6	3.8	2.8	Single Age		
SMB11_22.FIN2	190	0.839	0.5433	0.0093	0.07044	0.0008	0.44923	440.3	6.1	432.8	4.8	473	32	432.8	4.8	0.3	Single Age		
SMB11_24.FIN2	31.5	0.743	2.13	0.17	0.1697	0.0019	0.2448	1126	42	1010	11	1330	100	DISC	DISC	24.1	Single Age		
SMB11_25.FIN2	4630	0.06276	0.3285	0.0038	0.04359	0.0004	0.76429	288.4	2.9	275	2.7	414	20	275	2.7	4.6	Single Age		
SMB11_26.FIN2	201.3	0.901	0.2436	0.0039	0.03431	0.0005	0.39345	221.3	3.2	217.5	3	264	37	217.5	3	1.7	Single Age		
SMB11_27.FIN2	239.7	1.59	0.5596	0.0094	0.0708	0.001	0.0269	451	6.1	441.2	6.1	506	44	441.2	6.1	2.2	Single Age		
SMB11_30.FIN2	166	1.87	0.893	0.016	0.1059	0.0011	0.35348	647.2	8.5	648.9	6.5	639	29	648.9	6.5	0.3	Single Age		
SMB11_31.FIN2	362.4	1.309	7.01	0.1	0.3852	0.0056	0.83731	2117	13	2100	26	2128	15	2128	15	1.3	Single Age		
SMB11_33.FIN2	85.1	1.127	2.216	0.046	0.1973	0.0045	0.62838	1189	14	1161	24	1				4.0	Single Age		
SMB11_35.FIN2	550	6.41	0.3907	0.0048	0.05287	0.0006	0.3478	334.7	3.5	332.1	3.4	350	29	332.1	3.4	0.8	Single Age		
SMB11_36.FIN2	242	0.318	0.3811	0.0061	0.05168	0.0006	0.27328	327.7	4.5	324.8	3.6	345	37	324.8	3.6	0.9	Single Age		
SMB11_37.FIN2	179	1.546	0.553	0.014	0.0694	0.0014	0.60172	446.8	9.3	432.8	8.7	494	45	432.8	8.7	3.1	Single Age		
SMB11_38.FIN2	75	1.252	2.746	0.081	0.2243	0.0081	0.58722	1339	22	1303	42	1372	55	1372	55	5.0	Single Age		
SMB11_39.FIN2	623	0.0091	0.559	0.015	0.0672	0.0011	0.57466	449.8	9.9	419.2	6.5	609	48	419.2	6.5	6.8	Single Age		
SMB11_40.FIN2	159.6	1.032	3.968	0.045	0.2765	0.0031	0.71539	1627.3	9.3	1574	15	1682	16	1682	16	6.4	Single Age		
SMB11_41.FIN2	1279	1.255	3.556	0.039	0.2193	0.0025	0.70015	1539.5	8.7	1278	13	1923	16	DISC	DISC	33.5	Single Age		
SMB11_43.FIN2	56.9	3.05	0.759	0.02	0.09117	0.0009	0.21697	572	11	562.4	5	603	58	562.4	5	1.7	Single Age		
SMB11_44.FIN2	555	1.476	0.394	0.011	0.0503	0.001	0.49093	339	8.7	316.3	6.2	510	58	316.3	6.2	6.7	Single Age		
SMB11_46.FIN2	219	1.079	0.3877	0.0085	0.05136	0.0009	0.32549	332.5	6.2	322.9	5.4	423	55	322.9	5.4	2.9	Single Age		
SMB11_47.FIN2	155.3	1.718	0.431	0.01	0.05731	0.001	0.14046	363.3	7.2	359.2	6	386	56	359.2	6	1.1	Single Age		
SMB11_49.FIN2	213	2.188	3.387	0.057	0.2597	0.0039	0.73471	1502	13	1488	20	1539	18	1539	18	3.3	Single Age		
SMB11_50.FIN2	103.4	1.8	0.662	0.018	0.0757	0.0018	0.31549	515	11	471	11	717	64	471	11	8.5	Single Age		
SMB11_51.FIN2	175.2	1.363	0.933	0.026	0.1078	0.0015	0.15763	668	13	659.7	8.4	713	52	659.7	8.4	1.2	Single Age		
SMB11_57.FIN2	59.7	0.943	5.48	0.08	0.3411	0.0048	0.45668	1896	13	1891	23	1922	20	1922	20	1.6	Single Age		
SMB11_58.FIN2	143.2	6.66	0.39	0.0081	0.05254	0.0006	0.14738	334.1	5.9	330.1	3.8	371	48	330.1	3.8	1.2	Single Age		
SMB11_59.FIN2	206.1	0.842	0.441	0.02	0.05581	0.0007	0.13116	370	13	350.1	4	458	66	350.1	4	5.4	Single Age		
SMB11_60.FIN2	548	1.887	0.6559	0.0087	0.0827	0.0013	0.15665	511.9	5.4	512.3	8	540	40	512.3	8	0.1	Single Age		
SMB11_64.FIN2	1363	1.896	0.3402	0.0061	0.04676	0.0005	0.40492	297.2	4.6	294.6	3.3	333	30	294.6	3.3	0.9	Single Age		
SMB11_65.FIN2	72	0.947	1.995	0.042	0.1872	0.0024	0.53645	1113	14	1106	13	1136	38	1136	38	2.6	Single Age		
SMB11_66.FIN2	102.8	0.556	0.411	0.021	0.0526	0.0009	0.13525	348	14	330.5	5.7	450	100	330.5	5.7	5.0	Single Age		
SMB11_68.FIN2	221	0.886	0.825	0.013	0.1005	0.0015	0.3737	610.2	7.2	617.5	8.7	592	35	617.5	8.7	1.2	Single Age		
SMB11_69.FIN2	152	3.48	0.875	0.016	0.1038	0.0015	0.34602	637.7	8.4	636.3	8.8	633	36	636.3	8.8	0.2	Single Age		

SMB11_70.FIN2	136	2.23	0.5621	0.0086	0.07304	0.0008	0.40824	452.6	5.6	454.4	4.7	445	33	454.4	4.7	0.4	Single Age
SMB11_71.FIN2	794	1.486	0.3404	0.0032	0.04668	0.0004	0.18146	297.5	2.5	294.1	2.4	320	26	294.1	2.4	1.1	Single Age
SMB11_74.FIN2	3764	0.0504	0.3564	0.0066	0.04761	0.001	0.89336	309.4	5	299.8	6	365	20	299.8	6	3.1	Single Age
SMB11_77.FIN2	314	2.981	0.3674	0.0055	0.05029	0.0006	0.29243	317.7	4.1	316.3	3.3	328	36	316.3	3.3	0.4	Single Age
SMB11_79.FIN2	158.6	1.321	0.3881	0.009	0.05257	0.0008	0.33936	333.7	6.8	330.2	4.8	347	49	330.2	4.8	1.0	Single Age
SMB11_81.FIN2	176	0.728	0.5584	0.0097	0.07311	0.0009	0.47516	450.1	6.3	454.8	5.4	419	33	454.8	5.4	1.0	Single Age
SMB11_84.FIN2	132.5	1.64	0.455	0.016	0.05962	0.0009	0.37242	380	11	373.3	5.6	401	70	373.3	5.6	1.8	Rim
SMB11_84.FIN2	134.4	1.923	0.525	0.01	0.0687	0.0011	0.26329	428.1	6.8	428.6	6.8	430	47	428.6	6.8	0.1	Core
SMB11_85.FIN2	722	13.7	0.448	0.016	0.0594	0.0012	0.34356	376	11	372	7.6	382	79	372	7.6	1.1	Rim
SMB11_85.FIN2	203	1.124	0.636	0.012	0.08218	0.0009	0.42934	499.8	7.5	509.1	5.3	472	35	509.1	5.3	1.9	Core
SMB11_86.FIN2	169.8	1.322	0.4165	0.0087	0.05544	0.0008	0.31947	353.3	6.2	347.8	4.8	388	42	347.8	4.8	1.6	Single Age
SMB11_89.FIN2	313	2.52	0.3443	0.0042	0.04731	0.0004	0.17557	300.7	3.2	298	2.7	323	31	298	2.7	0.9	Single Age
SMB11_90.FIN2	75.7	0.4355	0.429	0.012	0.05587	0.0009	0.36083	362.5	8.5	350.4	5.6	403	67	350.4	5.6	3.3	Single Age
SMB11_91.FIN2	309	1.268	2.18	0.026	0.2007	0.0018	0.61943	1174.2	7.9	1178.7	9.8	1165	22	1165	22	1.2	Single Age
SMB11_92.FIN2	260	6.18	0.632	0.017	0.0807	0.0014	0.56299	497	11	500.4	8.4	490	64	500.4	8.4	0.7	Single Age
SMB11_94.FIN2	916	0.0123	0.3565	0.004	0.04759	0.0005	0.47384	309.6	3	299.7	3.2	374	26	299.7	3.2	3.2	Single Age
SMB11_96.FIN2	171	0.485	0.4147	0.0059	0.05647	0.0005	0.35941	352.1	4.2	354.1	3.2	338	30	354.1	3.2	0.6	Single Age
SMB11_97.FIN2	4070	0.04502	0.4289	0.0033	0.04723	0.0005	0.86063	362.3	2.4	297.5	2.9	803	11	DISC	DISC	17.9	Single Age
SMB11_99.FIN2	66.7	1.44	0.871	0.018	0.1077	0.0029	0.41167	641	11	659	17	565	56	659	17	2.8	Single Age
SMB11_100.FIN2	798	1.428	0.3459	0.0029	0.04814	0.0005	0.51004	301.6	2.2	303.1	2.9	307	19	303.1	2.9	0.5	Single Age
SMB11_101.FIN2	80.4	2.258	0.3541	0.0097	0.04797	0.0008	0.23998	308.3	7.1	302	5.1	339	58	302	5.1	2.0	Single Age
SMB11_103.FIN2	118.4	1.026	0.3447	0.0069	0.04729	0.0007	0.35599	300.5	5.2	297.8	4.1	307	43	297.8	4.1	0.9	Single Age
SMB11_115.FIN2	102.5	2.163	0.3757	0.0099	0.04708	0.0008	0.46682	323.5	7.3	296.5	5.1	544	48	296.5	5.1	8.3	Single Age
SMB11_118.FIN2	1450	0.0164	0.497	0.0078	0.06346	0.0008	0.73713	409.6	5.3	396.6	4.9	479	19	396.6	4.9	3.2	Single Age
SMB11_119.FIN2	253	6.97	0.5687	0.0085	0.07352	0.0008	0.17168	456.9	5.4	457.3	4.7	439	31	457.3	4.7	0.1	Single Age
SMB11_120.FIN2	4870	0.08353	0.4633	0.0043	0.05819	0.0006	0.82772	386.5	3	364.6	3.5	515	12	364.6	3.5	5.7	Single Age

Sample Name:		10SMB12		Isotopic Ratios				Apparent Ages (Ma)																	
Lower Marine Molasse (32 ± 1 Ma)																									
Grain #	U (ppm)	U/Th	207Pb		206Pb		Error	207Pb		206Pb		207Pb		206Pb		Best age	2σ error	Discordance*	Rim, Core or						
			235U	2σ error	238U	2σ error		235U	2σ error	238U	2σ error	235U	2σ error	238U	2σ error										
			(abs.)	(abs.)	(abs.)	(abs.)	Corr.				(Ma)				(Ma)										

SMB12_75.FIN2	335.3	0.384	0.726	0.014	0.0878	0.0013	0.6089	554.1	8.1	542.2	7.9	619	33	542.2	7.9	2.1	Single Age
SMB12_76.FIN2	700	2.07	0.6796	0.0069	0.076	0.0012	0.55233	526.4	4.1	472.3	6.9	811	26	DISC	DISC	10.3	Single Age
SMB12_77.FIN2	44.2	0.3833	3.411	0.051	0.2659	0.0029	0.38794	1506	12	1520	15	1504	28	1504	28	1.1	Single Age
SMB12_78.FIN2	995	40.9	0.465	0.02	0.04913	0.0006	0.098208	387	14	309.2	3.5	900	93	DISC	DISC	20.1	Single Age
SMB12_79.FIN2	717	1.431	0.3822	0.0053	0.0523	0.0007	0.48001	328.6	3.9	328.6	4	364	35	328.6	4	0.0	Single Age
SMB12_81.FIN2	192	0.993	0.897	0.018	0.1075	0.0014	0.70999	649.3	9.5	658.2	8.1	631	26	658.2	8.1	1.4	Single Age
SMB12_82.FIN2	194.5	2.105	0.506	0.014	0.0622	0.0019	0.47807	415.6	9.6	389	11	630	60	389	11	6.4	Single Age
SMB12_83.FIN2	118.2	2.147	2.149	0.029	0.1996	0.003	0.26768	1163.8	9.3	1173	16	1146	30	1146	30	2.4	Single Age
SMB12_84.FIN2	334	54.3	12.43	0.14	0.485	0.009	0.48778	2637	10	2557	37	2702	26	2702	26	5.4	Single Age
SMB12_85.FIN2	139	1.003	0.804	0.01	0.0976	0.001	0.48713	598.8	5.9	600.3	5.7	603	26	600.3	5.7	0.3	Single Age
SMB12_86.FIN2	379	14.4	0.694	0.018	0.0859	0.0022	0.80891	535	11	535	12	572	35	535	12	0.0	Single Age
SMB12_87.FIN2	114	1.012	0.482	0.011	0.06295	0.0008	0.3342	399	7.5	393.5	4.7	415	50	393.5	4.7	1.4	Single Age
SMB12_88.FIN2	358	2.61	0.5598	0.0075	0.07308	0.0008	0.43551	451.3	4.9	454.7	4.6	458	31	454.7	4.6	0.8	Single Age
SMB12_89.FIN2	199.7	2.067	4.862	0.061	0.2902	0.0038	0.78182	1795	11	1642	19	1985	14	1985	14	17.3	Single Age
SMB12_91.FIN2	1744	3.59	0.667	0.029	0.071	0.0034	0.90491	519	18	442	21	886	47	DISC	DISC	14.8	Rim
SMB12_91.FIN2	859	4.614	1.381	0.015	0.1464	0.0028	0.74165	880.6	6.3	881	16	891	23	891	23	1.1	Core
SMB12_92.FIN2	1237	0.0101	0.3461	0.0033	0.0466	0.0005	0.46291	301.7	2.5	293.6	3.3	384	25	293.6	3.3	2.7	Single Age
SMB12_93.FIN2	3050	0.04493	0.4289	0.0051	0.04329	0.0007	0.61089	362.3	3.6	273.2	4.2	995	22	DISC	DISC	24.6	Single Age
SMB12_95.FIN2	254	1.45	4.083	0.035	0.2905	0.0023	0.61006	1650.7	6.9	1644	12	1665	14	1665	14	1.3	Single Age
SMB12_96.FIN2	993	8.6	0.839	0.041	0.0848	0.0023	0.72803	617	23	525	14	977	66	DISC	DISC	14.9	Rim
SMB12_96.FIN2	190	0.836	1.748	0.022	0.1718	0.0021	0.52666	1026.1	8.2	1022	12	1047	24	1047	24	2.4	Core
SMB12_97.FIN2	254	9.96	0.649	0.02	0.0809	0.002	0.70809	508	12	501	12	534	49	501	12	1.4	Single Age
SMB12_100.FIN2	133.5	2.039	1.984	0.035	0.1839	0.0037	0.55888	1109	12	1088	20	1158	33	1158	33	6.0	Single Age
SMB12_101.FIN2	144	2.289	6.897	0.078	0.3873	0.0054	0.79191	2097	10	2109	25	2081	16	2081	16	1.3	Single Age
SMB12_103.FIN2	3620	3.75	0.3193	0.0023	0.04327	0.0003	0.7133	281.4	1.8	273	2.1	354	14	273	2.1	3.0	Single Age
SMB12_104.FIN2	150	1.993	0.967	0.021	0.1044	0.0014	0.1558	686	11	639.9	8.4	829	40	639.9	8.4	6.7	Single Age
SMB12_105.FIN2	231.7	0.697	0.819	0.011	0.0987	0.0014	0.5833	607.3	6.2	606.4	8.1	624	26	606.4	8.1	0.1	Single Age
SMB12_106.FIN2	75.12	1.615	3.565	0.05	0.2703	0.0042	0.58842	1541	11	1542	21	1556	24	1556	24	0.9	Single Age
SMB12_107.FIN2	371	0.7575	1.391	0.019	0.1465	0.0013	0.37756	882.5	6.8	881	7.3	903	19	903	19	2.4	Single Age
SMB12_109.FIN2	486	1.61	0.3697	0.0061	0.04901	0.0005	0.3677	319.3	4.5	308.4	3.3	387	33	308.4	3.3	3.4	Single Age
SMB12_110.FIN2	210.8	0.686	0.8551	0.0099	0.1032	0.0014	0.53655	627.2	5.4	633.1	7.9	606	23	633.1	7.9	0.9	Single Age
SMB12_111.FIN2	442	1.543	0.4828	0.0051	0.06376	0.0005	0.3059	399.9	3.5	398.4	2.8	399	22	398.4	2.8	0.4	Single Age
SMB12_112.FIN2	42.7	1.253	1.193	0.028	0.1297	0.0023	0.39123	796	13	786	13	831	49	786	13	1.3	Single Age
SMB12_113.FIN2	515	0.81	0.655	0.011	0.08103	0.001	0.8509	511.2	6.7	502.2	5.8	535	18	502.2	5.8	1.8	Single Age
SMB12_114.FIN2	848	1.56	0.357	0.0065	0.04959	0.0009	0.75963	309.9	4.9	312	5.8	293	35	312	5.8	0.7	Rim
SMB12_114.FIN2	326	1.772	0.406	0.0077	0.05554	0.0008	0.60444	345.9	5.6	348.4	5.1	335	37	348.4	5.1	0.7	Core
SMB12_115.FIN2	236.9	1.828	0.299	0.0084	0.04064	0.0005	0.07502	265.4	6.5	256.8	3.3	329	66	256.8	3.3	3.2	Single Age
SMB12_116.FIN2	280	4.95	0.545	0.012	0.0698	0.0018	0.42447	441.6	7.6	435	11	448	59	435	11	1.5	Single Age
SMB12_117.FIN2	73	0.955	0.4142	0.0098	0.0549	0.0011	0.42729	351.6	7	344.4	6.7	373	48	344.4	6.7	2.0	Single Age
SMB12_118.FIN2	632	1.032	0.2995	0.0029	0.04191	0.0004	0.56261	266.3	2.2	264.7	2.2	259	20	264.7	2.2	0.6	Single Age
SMB12_120.FIN2	82.4	1.449	1.393	0.02	0.1472	0.0021	0.55163	885.7	8.6	885	12	885	27	885	27	0.0	Single Age