

Table 1S. Neodymium (Nd) and Strontium (Sr) isotopes measured on bulk sediment leachates at Sites 980/981, 610, and 900. Nd isotopes were also measured on mixed planktonic foraminifera at Site 610.

#	Sample ID (Exp-Site-Hole-Cor-T-Sec, TOP cm)	Depth (mbsf)	Depth (mcd)	Age (ka)	ϵ_{Nd} sediment leachates	Error / 2σ external reproducibility	ϵ_{Nd} clean foraminifera	Error/ 2σ external reproducibility	ϵ_{Nd} unclean foraminifera	Error / 2σ external reproducibility	$^{87}Sr/^{86}Sr$
1	162-980-B-1H-1, 0	0	0	0	-10.6	0.2	-	-	-	-	-
2	162-980-C-1H-1, 2	0.02	0.02	1.100	-10.6	0.2	-	-	-	-	-
3	162-980-C-1H-1, 47	0.47	0.47	2.750	-10.7	0.2	-	-	-	-	-
4	162-980-C-1H-1, 136	1.36	1.36	6.000	-10.6	0.2	-	-	-	-	-
5	162-980-A-1H-3, 10	3.1	7.21	34.600	-11.4	0.4	-	-	-	-	-
6	162-980-A-1H-5, 22	6.22	10.33	62.100	-10.4	0.4	-	-	-	-	-
7	162-980-A-2H-1, 10	9.5	14.64	115.000	-10.7	0.4	-	-	-	-	-
8	162-980-A-2H-2, 0	10.9	16.04	120.500	-11.5	0.4	-	-	-	-	-
9	162-980-A-3H-2, 0	20.4	27.12	215.000	-11.0	0.2	-	-	-	-	-
10	162-980-A-5H-5, 0	43.9	53.13	401.100	-11.6	0.2	-	-	-	-	-
11	162-980-A-7H-5, 0	62.9	74.45	620.250	-10.4	0.4	-	-	-	-	-
12	162-980-A-9H-1, 0	75.90	89.09	795.250	-9.2	0.4	-	-	-	-	-
13	162-981-C-7H-4, 40	58.10	63.51	945.000	-11.5	0.4	-	-	-	-	-
14	162-981-A-7H-3, 106	58.06	65.16	980.000	-10.3	0.4	-	-	-	-	-
15	162-981-A-7H-5, 92	60.92	68.02	1050.000	-8.7	0.4	-	-	-	-	-
16	162-981-A-8H-1, 96	64.46	72.26	1140.000	-8.8	0.4	-	-	-	-	-
17	162-981-C-9H-2, 13	73.83	79.98	1270.000	-10.8	0.4	-	-	-	-	-
18	162-981-C-9H-5, 80	79.00	85.15	1380.500	-11.8	0.4	-	-	-	-	-
19	162-981-A-9H-6, 14	80.64	90.4	1545.000	-10.7	0.4	-	-	-	-	-
20	162-981-A-10H-4, 141	88.41	99.34	1605.000	-9.2	0.4	-	-	-	-	-
21	162-981-A-11H-4, 12	96.64	108.2	1700.000	-9.8	0.4	-	-	-	-	-
22	162-981-A-12H-2, 11	103.1	115.2	1820.000	-10.0	0.4	-	-	-	-	-
23	162-981-A-12H-4, 11	106.1	118.2	1895.000	-8.0	0.4	-	-	-	-	-
24	162-981-A-13H-2, 7	112.6	125.9	2015.000	-8.3	0.4	-	-	-	-	-

25	162-981-A-13H-7, 0	120	133.4	2105.000	-9.1	0.4	-	-	-	-	-
26	162-981-A-14H-6, 0	128	142	2200.000	-10.3	0.4	-	-	-	-	-
27	162-981-A-15H-6, 0	137.5	152.3	2308.000	-9.0	0.3	-	-	-	-	-
28	162-981-A-16H-4, 5	144.1	159.1	2405.000	-8.6	0.4	-	-	-	-	-
29	162-981-A-16H-4, 148	145.5	160.5	2420.500	-9.1	0.4	-	-	-	-	-
30	162-981-A-17H-6, 60	157.1	172.1	2510.500	-8.3	0.3	-	-	-	-	-
31	162-981-A-18H-6, 120	167.2	183	2620.000	-10.2	0.3	-	-	-	-	-
32	162-981-A-19H-5, 0	174	190.5	2725.700	-10.4	0.3	-	-	-	-	-
33	162-981-A-20H-5, 80	184.3	201.7	2820.500	-9.5	0.3	-	-	-	-	-
34	162-981-A-21H-3, 0	190	207.7	2955.000	-10.0	0.3	-	-	-	-	-
35	162-981-A-21H-3, 15	190.2	207.9	2958.500	-9.8	0.3	-	-	-	-	-
36	162-981-A-21H-3, 30	190.3	208	2962.500	-10.1	0.3	-	-	-	-	-
37	162-981-A-21H-3, 67	190.7	208.4	2976.000	-9.7	0.3	-	-	-	-	-
38	162-981-A-21H-3, 97	191	208.7	2990.000	-9.6	0.3	-	-	-	-	-
39	162-981-A-21H-4, 32	191.8	209.6	3015.000	-8.0	0.3	-	-	-	-	-
40	162-981-A-21H-5, 72	193.7	211.5	3060.000	-8.1	0.3	-	-	-	-	-
41	162-981-A-21H-6, 71	195.2	212.9	3097.500	-9.3	0.3	-	-	-	-	-
42	162-981-A-21H-CC, 0	196.5	214.3	3130.500	-9.6	0.3	-	-	-	-	-
43	162-981-A-22H-1, 72	197.2	216.4	3175.000	-11.2	0.3	-	-	-	-	-
44	162-981-A-22H-3, 76	200.3	219.5	3200.500	-9.3	0.3	-	-	-	-	-
45	162-981-B-23H-2, 64	204	224.2	3241.500	-9.1	0.3	-	-	-	-	-
46	162-981-B-23H-4, 100	207.4	227.6	3270.000	-9.2	0.3	-	-	-	-	-
47	162-981-B-23H-7, 30	211.2	231.4	3296.000	-8.6	0.3	-	-	-	-	-
48	162-981-B-24H-1, 90	212.3	233.6	3305.500	-8.9	0.3	-	-	-	-	-
49	162-981-A-26H-4, 0	239	259.2	3525.000	-10.2	0.3	-	-	-	-	-
50	162-981-A-27H-6, 10	251.6	271.8	3631.500	-10.0	0.3	-	-	-	-	-
51	162-981-A-29H-1, 10	263.1	283.3	3705.500	-9.8	0.3	-	-	-	-	-
52	162-981-A-29H-6, 120	271.7	291.9	3808.500	-10.0	0.3	-	-	-	-	-
53	162-981-A-31H-4, 110	287.6	307.8	3920.000	-10.4	0.3	-	-	-	-	-
54	94-610-A-1R-1, 0	0.00	0.00	0	-11.5	0.2	-11.7	0.8	-12.8	0.9	-
55	94-610-A-1R-1, 2	0.02	0.02	0.370	-11.2	0.3	-	-	-	-	-
56	94-610-A-1R-1, 56	0.56	0.56	10.500	-11.7	0.3	-	-	-	-	-
57	94-610-A-2R-1, 10	9.10	9.10	167.990	-10.5	0.3	-	-	-	-	-
58	94-610-A-2R-1, 50	9.50	9.50	175.375	-10.6	0.3	-	-	-	-	-
59	94-610-A-3R-1, 56	19.16	19.16	353.700	-10.5	0.3	-	-	-	-	-
60	94-610-A-4R-1, 54	28.74	28.74	530.450	-12.1	0.2	-10.9	0.8	-12.0	0.9	-
61	94-610-A-4R-6, 2	35.72	35.72	654.865	-9.4	0.3	-	-	-	-	-
62	94-610-A-5R-7, 0	46.80	46.80	857.885	-11.5	0.3	-	-	-	-	-

63	94-610-A-6R-5, 111	54.51	54.51	1020.350	-12.3	0.2	-12.4	0.8	-11.7	0.9	0.70919
64	94-610-A-7R-3, 100	61.00	61.00	1150.000	-11.1	0.3	-	-	-	-	-
65	94-610-A-8R-4, 0	71.10	71.10	1350.000	-12.5	0.3	-	-	-	-	-
66	94-610-A-9R-1, 0	76.20	76.20	1440.000	-12.9	0.3	-	-	-	-	-
67	94-610-A-9R-3, 9	79.29	79.29	1500.500	-9.8	0.2	-10.2	0.8	-10.5	0.9	-
68	94-610-A-9R-3, 12	79.32	79.32	1500.500	-10.1	0.3	-	-	-	-	-
69	94-610-A-10R-2, 0	87.30	87.30	1655.000	-9.8	0.3	-	-	-	-	-
70	94-610-A-10R-5, 0	91.80	91.80	1745.500	-10.9	0.3	-	-	-	-	-
71	94-610-A-11R-1, 0	95.40	95.40	1840.500	-10.4	0.3	-	-	-	-	-
72	94-610-A-11R-5, 17	101.6	101.6	2012.000	-10.2	0.2	-10.0	0.8	-10.6	0.9	-
73	94-610-A-12R-6, 0	112.50	112.50	2253.000	-11.5	0.3	-	-	-	-	-
74	94-610-A-13R-7, 11	123.7	123.7	2501.000	-10.5	0.2	-10.2	0.8	-10.0	0.9	-
75	94-610-A-15R-3, 0	136.80	136.80	2750.135	-10.7	0.2	-	-	-	-	-
76	94-610-A-16H-5, 99	150.4	150.4	3017.500	-10.7	0.2	-10.6	0.8	-10.4	0.9	-
77	94-610-A-16H-6, 89	151.8	151.8	3065.500	-10.1	0.2	-10.1	0.8	-10.2	0.9	-
78	94-610-A-17R-1, 50	153.50	153.50	3092.100	-10.8	0.2	-10.4	0.8	-11.3	0.9	-
79	94-610-A-17R-2, 10	154.60	154.60	3100.000	-10.6	0.2	-9.1	0.8	-11.5	0.9	-
80	94-610-A-17R-2, 111	155.61	155.61	3150.000	-11.0	0.2	-	-	-	-	0.70906
81	94-610-A-17R-3, 95	156.95	156.95	3195.000	-10.4	0.2	-	-	-	-	-
82	94-610-A-17R-4, 74	158.24	158.24	3220.000	-10.7	0.2	-	-	-	-	-
83	94-610-A-17R-5, 110	160.10	160.10	3255.000	-10.3	0.2	-	-	-	-	-
84	94-610-A-17R-6, 24	160.74	160.74	3270.500	-10.5	0.2	-	-	-	-	-
85	94-610-A-17R-6, 109	161.59	161.59	3293.000	-9.1	0.2	-	-	-	-	0.70906
86	94-610-A-18R-4, 25	167.35	167.35	3532.000	-10.7	0.2	-	-	-	-	-
87	94-610-A-20R-2, 42	183.72	183.72	3800.700	-10.7	0.2	-	-	-	-	-
88	94-610-A-21R-6, 30	199.20	199.20	4010.500	-11.3	0.2	-	-	-	-	-
89	149-900-A-1R-1, 0	0	0	0	-8.8	0.2	-	-	-	-	-
90	149-900-A-1R-1, 10	0.10	0.10	13.900	-8.5	0.2	-	-	-	-	-
91	149-900-A-2R-1, 0	1.50	1.50	208.550	-9.7	0.2	-	-	-	-	-
92	149-900-A-3R-1, 0	11.10	11.10	540.950	-8.9	0.4	-	-	-	-	-
93	149-900-A-3R-2, 0	12.60	12.60	586.620	-9.8	0.2	-	-	-	-	-
94	149-900-A-4R-1, 32	21.12	21.12	845.970	-9.1	0.4	-	-	-	-	-
95	149-900-A-4R-2, 50	22.80	22.80	897.110	-9.7	0.2	-	-	-	-	-
96	149-900-A-5R-4, 100	35.90	35.90	1295.870	-10.7	0.4	-	-	-	-	-
97	149-900-A-5R-5, 80	37.20	37.20	1335.450	-10.2	0.2	-	-	-	-	-
98	149-900-A-6R-4, 10	44.60	44.60	1575.000	-9.9	0.2	-	-	-	-	-
99	149-900-A-6R-5, 10	46.10	46.10	1660.150	-8.7	0.2	-	-	-	-	-
100	149-900-A-6R-6, 53	48.03	48.03	1950.000	-9.5	0.2	-	-	-	-	0.70917

101	149-900-A-7R-1, 0	49.60	49.60	2027.770	-9.5	0.2	-	-	-	-	-
102	149-900-A-8R-1, 0	59.30	59.30	2405.000	-9.4	0.2	-	-	-	-	-
103	149-900-A-9R-1, 5	64.55	64.55	2608.000	-9.6	0.4	-	-	-	-	-
104	149-900-A-9R-1, 10	64.60	64.60	2611.530	-9.5	0.2	-	-	-	-	-
105	149-900-A-9R-1, 70	65.20	65.20	2653.850	-10.3	0.4	-	-	-	-	-
106	149-900-A-9R-2, 10	66.10	66.10	2699.500	-10.6	0.4	-	-	-	-	-
107	149-900-A-9R-2, 110	67.10	67.10	2741.050	-10.1	0.4	-	-	-	-	-
108	149-900-A-9R-CC, 0	68.02	68.02	2790.150	-10.4	0.4	-	-	-	-	0.70909
109	149-900-A-10R-1, 70	74.80	74.80	3140.180	-10.3	0.4	-	-	-	-	-
110	149-900-A-10R-2, 10	75.70	75.70	3166.210	-10.6	0.4	-	-	-	-	-
111	149-900-A-10R-2, 130	76.90	76.90	3210.000	-10.6	0.4	-	-	-	-	-
112	149-900-A-10R-3, 70	77.80	77.80	3214.320	-10.4	0.4	-	-	-	-	0.70907
113	149-900-A-10R-4, 10	78.70	78.70	3320.000	-10.6	0.4	-	-	-	-	-
114	149-900-A-11R-1, 48	84.18	84.18	3635.000	-10.5	0.4	-	-	-	-	-