

Sample_ID	Metadata				No. of sequeces	Richness			SRA	
	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs		Best parametric model
ICM_ABR_Bv6.ABR_0001_2005_01_02	-64.50	-170.00	0	0.0	12535	448.5	61.5	220	Three mixed exponential	SRX011052
ICM_ABR_Bv6.ABR_0005_2005_01_07	-50.00	-170.00	0	11.3	21564	1070.9	198.3	360	Three mixed exponential	SRX011054
ICM_ABR_Bv6.ABR_0009_2005_01_30	-20.00	-170.00	0	28.6	21973	2054.3	419.8	667	Three mixed exponential	SRX011056
ICM_ABR_Bv6.ABR_0013_2005_02_26	0.08	-170.00	0	28.7	21189	1976.5	165.6	850	Three mixed exponential	SRX011058
ICM_ACB_Bv6.ACB_0001_2007_07_13	71.45	-156.06	2	0.3	15764	1840.8	331.9	641	Four mixed exponential	SRX011065
ICM_ACB_Bv6.ACB_0002_2007_07_11	71.43	-156.86	2	-0.5	9193	876.4	273.5	257	Three mixed exponential	SRX011066
ICM_ACB_Bv6.ACB_0003_2008_01_26	71.35	-156.68	2	-1.8	17756	545.7	92.2	278	Three mixed exponential	SRX011067
ICM_ACB_Bv6.ACB_0004_2008_01_30	71.35	-156.68	2	-1.8	19346	1579.5	231.8	588	Three mixed exponential	SRX011068
ICM_ACB_Bv6.ACB_0005_2002_07_29	72.32	-151.98	10	0.8	20865	1354.9	444.8	384	Three mixed exponential	SRX011069
ICM_ACB_Bv6.ACB_0006_2002_08_06	72.32	-151.98	10	1.1	15288	675.1	91.2	316	Three mixed exponential	SRX011070
ICM_ACB_Bv6.ACB_0007_2004_07_30	71.54	-150.89	8.4	1.3	17977	468.3	43.9	264	Two mixed exponential	SRX011071
ICM_ACB_Bv6.ACB_0008_2004_08_21	72.42	-152.02	39.7	1.6	14653	528.1	162.3	240	Three mixed exponential	SRX011072
ICM_ACB_Bv6.ACB_0013_2004_01_17	70.04	-126.30	3	-1.8	12555	1234.3	169	475	Three mixed exponential	SRX011073
ICM_ACB_Bv6.ACB_0015_2004_07_16	70.05	-126.31	1.5	3.5	51069	1859.6	211	700	Three mixed exponential	SRX011074
ICM_ACB_Bv6.ACB_0016_2008_01_28	71.35	-156.68	2	-1.8	19348	2863.2	673.6	714	Four mixed exponential	SRX011075
ICM_AOT_Bv6.AOT_0001_2008_11_07	42.85	-11.64	47	16.7	24363	2236.2	393.6	769	Three mixed exponential	SRX011096
ICM_AOT_Bv6.AOT_0003_2008_11_09	37.13	-13.36	73	19.2	22925	2286.3	317.1	932	Three mixed exponential	SRX011098
ICM_AOT_Bv6.AOT_0004_2008_11_14	22.51	-20.50	89	23.6	25014	1909.1	166.4	888	Three mixed exponential	SRX011099
ICM_AOT_Bv6.AOT_0005_2008_11_16	14.76	-30.00	7	26.4	21648	1790.8	421.1	573	Three mixed exponential	SRX011100
ICM_AOT_Bv6.AOT_0006_2008_11_29	-23.71	8.52	28	18.9	18113	980.9	59.6	519	Two mixed exponential	SRX011101
ICM_AOT_Bv6.AOT_0007_2008_11_17	44.70	-20.36	7	15.3	26900	3590	834.6	649	Four mixed exponential	SRX011102
ICM_AOT_Bv6.AOT_0008_2008_11_17	10.63	-20.13	100	28.3	10704	2011.7	240.9	746	Three mixed exponential	SRX011103
ICM_AOT_Bv6.AOT_0009_2008_11_17	10.63	-20.13	48	28.3	43489	2567.5	224.3	1033	Three mixed exponential	SRX011104
ICM_AOT_Bv6.AOT_0010_2008_11_17	10.37	-20.06	11	28.4	20534	1525.8	296.4	521	Three mixed exponential	SRX011105
ICM_AOT_Bv6.AOT_0011_2008_11_17	10.37	-20.06	200	28.4	8894	2089.2	225.2	730	Three mixed exponential	SRX011106
ICM_AOT_Bv6.AOT_0013_2008_11_18	8.50	-19.50	7	28.7	23329	1137.4	86.9	536	Two mixed exponential	SRX011108
ICM_AOT_Bv6.AOT_0015_2008_11_20	2.47	-14.15	45	27.1	8433	1212.2	204.6	434	Two mixed exponential	SRX011110
ICM_AOT_Bv6.AOT_0016_2008_11_27	-17.74	3.13	48	19.9	17059	790.2	73.7	391	Two mixed exponential	SRX011111
ICM_ASA_Bv6.ASA_0001_2007_12_18 (> 3 micron sizes)	-73.94	-115.68	9	-1.2	11500	269.7	65	147	Two mixed exponential	SRX011120
ICM_ASA_Bv6.ASA_0002_2007_12_18 (< 3 micron sizes)	-73.94	-115.68	9	-1.2	15563	334.6	136	131	Three mixed exponential	SRX011121
ICM_ASA_Bv6.ASA_0003_2007_12_18 (> 3 micron sizes)	-73.94	-115.68	19	-1.2	10140	285.2	29.1	164	Two mixed exponential	SRX011122
ICM_ASA_Bv6.ASA_0004_2007_12_18 (> 3 micron sizes)	-73.94	-115.68	19	-1.2	4566	87.4	7.9	61	Single exponential	SRX011123
ICM_ASA_Bv6.ASA_0005_2007_12_18 (> 3 micron sizes)	-73.94	-115.68	34	-1.2	9764	300.1	47.7	151	Two mixed exponential	SRX011124
ICM_ASA_Bv6.ASA_0006_2007_12_18 (< 3 micron sizes)	-73.94	-115.68	34	-1.2	21805	192.7	18	119	Two mixed exponential	SRX011125
ICM_ASA_Bv6.ASA_0007_2007_12_18	-73.94	-115.68	49	-1.2	12244	186.1	23.6	105	Two mixed exponential	SRX011126
ICM_ASA_Bv6.ASA_0008_2007_12_18 (> 3 micron sizes)	-73.94	-115.68	99	-1.2	10628	247.5	33.4	126	Two mixed exponential	SRX011127
ICM_ASA_Bv6.ASA_0009_2007_12_18 (< 3 micron sizes)	-73.94	-115.68	99	-1.2	7518	240.2	94.3	79	Two mixed exponential	SRX011128
ICM_AWP_Bv6.AWP_0001_2007_08_23	36.05	-28.35	0	24.5	16792	777.2	64.4	445	Three mixed exponential	SRX011429
ICM_AWP_Bv6.AWP_0003_2007_08_25	34.21	-32.12	0	25.7	20912	1277.5	145.3	519	Three mixed exponential	SRX011430
ICM_AWP_Bv6.AWP_0006_2007_08_25	34.21	-32.12	0	25.7	19400	1526.5	539.2	402	Four mixed exponential	SRX011431
ICM_AWP_Bv6.AWP_0007_2007_08_25	35.48	-32.43	0	25.3	16709	649.4	145.6	369	Three mixed exponential	SRX011432
ICM_AWP_Bv6.AWP_0008_2007_08_26	37.48	-30.57	0	24.2	24652	795.9	92.5	433	Three mixed exponential	SRX011433

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	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs		Best parametric model
ICM_AWP_Bv6.AWP_0013_2007_06_11	37.34	-18.88	100	19.0	21392	1751.2	228.1	748	Two mixed exponential	SRX011438
ICM_AWP_Bv6.AWP_0014_2007_06_11	37.34	-18.88	0	19.0	24138	789.5	40.1	487	Two mixed exponential	SRX011439
ICM_AWP_Bv6.AWP_0016_2007_06_02	31.86	-27.88	100	21.2	27367	2879.1	235.3	1471	Three mixed exponential	SRX011441
ICM_BMO_Bv6.BMO_0001_2007_09_20	41.67	2.80	0.5	23.0	12740	577.9	18.9	449	Two mixed exponential	SRX011134
ICM_BMO_Bv6.BMO_0002_2007_09_20	41.65	2.80	5	23.0	18405	1022.7	156	432	Three mixed exponential	SRX011135
ICM_BMO_Bv6.BMO_0003_2007_09_21	41.40	2.80	5	23.2	22302	648.4	88.1	331	Three mixed exponential	SRX011136
ICM_BMO_Bv6.BMO_0004_2007_09_21	41.15	2.82	5	23.6	17334	515.9	35.2	351	Three mixed exponential	SRX011137
ICM_BMO_Bv6.BMO_0005_2007_09_22	40.91	2.85	4	22.9	22993	854.6	106.9	460	Three mixed exponential	SRX011138
ICM_BMO_Bv6.BMO_0006_2007_09_23	40.65	2.85	5	23.4	21937	629	36.2	391	Two mixed exponential	SRX011139
ICM_BMO_Bv6.BMO_0007_2007_09_23	40.65	2.85	25	23.4	13451	567.6	28.5	378	Two mixed exponential	SRX011140
ICM_BMO_Bv6.BMO_0008_2007_09_23	40.65	2.85	65	23.4	22744	1342.9	152.4	677	Three mixed exponential	SRX011141
ICM_BMO_Bv6.BMO_0012_2007_09_21	41.40	2.80	44	23.2	20926	763.8	40.7	505	Three mixed exponential	SRX011145
ICM_BMO_Bv6.BMO_0013_2007_09_21	40.66	2.86	44	23.9	12814	1613.8	128.1	767	Two mixed exponential	SRX011146
ICM_BMO_Bv6.BMO_0014_2007_09_23	40.65	2.85	65	23.4	18427	1350.1	429	642	Three mixed exponential	SRX011147
ICM_BMO_Bv6.BMO_0015_2007_09_23	40.65	2.85	5	23.4	13282	901.4	53.2	559	Three mixed exponential	SRX011148
ICM_BMO_Bv6.BMO_0016_2007_09_20	41.65	2.80	5	23.0	10299	1274.7	121	570	Three mixed exponential	SRX011149
ICM_CAM_Bv6.CAM_0001_2002_01_17	-64.77	-64.05	3	0.3	23758	1533.9	451.4	369	Three mixed exponential	SRX011154
ICM_CAM_Bv6.CAM_0002_2002_07_17	-64.77	-64.05	3	-1.0	10913	1551	237.6	656	Three mixed exponential	SRX011155
ICM_CAM_Bv6.CAM_0003_2002_08_20	-64.77	-64.05	3	-1.2	13014	2049.3	169.3	848	Three mixed exponential	SRX011156
ICM_CAM_Bv6.CAM_0004_2006_02_28	-64.77	-64.07	3	0.4	22117	386.4	27.6	225	Two mixed exponential	SRX011157
ICM_CAM_Bv6.CAM_0005_2007_07_23	-50.67	-68.42	3	6.3	39485	2635.4	243.9	896	Two mixed exponential	SRX011158
ICM_CAM_Bv6.CAM_0006_2007_10_09	-50.67	-68.42	3	6.0	31816	1531.3	152	585	Three mixed exponential	SRX011159
ICM_CAM_Bv6.CAM_0007_2007_02_07	-50.67	-68.42	3	11.7	19064	940.5	89.6	436	2b:Three mixed exponential	SRX011160
ICM_CAM_Bv6.CAM_0008_2007_05_04	-50.67	-68.42	3	9.3	24711	2030.3	430.5	569	Three mixed exponential	SRX011161
ICM_CAM_Bv6.CAM_0009_2000_03_23	-55.13	-2.89	11	0.8	20620	1404.3	374.8	385	Three mixed exponential	SRX011162
ICM_CAM_Bv6.CAM_0010_2000_03_25	-59.32	-0.40	11	0.0	29163	940.4	428.3	287	Two mixed exponential	SRX011163
ICM_CAM_Bv6.CAM_0011_2000_03_26	-67.02	-5.47	11	-0.5	19721	583.1	97.4	237	Three mixed exponential	SRX011164
ICM_CAM_Bv6.CAM_0012_2000_03_29	-71.18	-12.46	5	-1.4	21393	816.4	136.9	313	Two mixed exponential	SRX011165
ICM_CAM_Bv6.CAM_0013_2008_02_04	-59.40	175.56	10	5.8	14676	792.5	370.2	241	Three mixed exponential	SRX011166
ICM_CAM_Bv6.CAM_0014_2008_02_06	-65.01	179.97	10	1.4	17892	942.6	309.6	269	Three mixed exponential	SRX011167
ICM_CAM_Bv6.CAM_0015_2008_02_29	-69.43	-179.09	5	-0.6	23101	699.8	62.6	354	Two mixed exponential	SRX011168
ICM_CAM_Bv6.CAM_0016_2008_02_13	-75.66	169.77	10	-0.2	19298	1292.2	584.8	351	Three mixed exponential	SRX011169
ICM_CCB_Bv6.CCB_0008_2008_03_26	9.25	-82.13	1	28.2	42335	5618.2	1958.3	1269	Four mixed exponential	SRX010980
ICM_CNE_Bv6.CNE_0001_2003_04_14	42.71	-70.80	0	5.0	14530	4566.1	847.7	828	Three mixed exponential	SRX011212
ICM_CNE_Bv6.CNE_0002_2003_07_03	42.71	-70.80	0	14.0	14901	3104.6	440.5	677	Two mixed exponential	SRX011213
ICM_CNE_Bv6.CNE_0003_2003_10_11	42.71	-70.80	0	13.5	15680	2865.5	780	675	Three mixed exponential	SRX011214
ICM_CNE_Bv6.CNE_0004_2004_01_22	42.71	-70.80	0	-1.0	9717	8034.4	1413	1406	Three mixed exponential	SRX011215
ICM_FIS_Bv6.FIS_0015_2008_04_12	55.03	8.44	0	6.2	11441	2624.9	282.6	859	Three mixed exponential	SRX011889
ICM_FIS_Bv6.FIS_0016_2008_04_12	55.03	8.44	0	6.2	12441	3152.9	389	942	Three mixed exponential	SRX011890
ICM_GOA_Bv6.GOA_0001_2006_09_05	29.47	34.92	20	28.2	16096	629.8	41.3	354	Two mixed exponential	SRX011803
ICM_GOA_Bv6.GOA_0002_2006_10_17	29.47	34.92	20	26.6	23824	1550.3	407.7	629	Four mixed exponential	SRX011804
ICM_GOA_Bv6.GOA_0003_2006_11_19	29.47	34.92	5	24.5	20189	3094.3	1533	769	Four mixed exponential	SRX011805
ICM_GOA_Bv6.GOA_0004_2006_12_13	29.47	34.92	5	22.8	19319	2391.1	541.9	765	Three mixed exponential	SRX011806

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	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs		Best parametric model
ICM_GOA_Bv6.GOA_0005_2007_01_15	29.47	34.92	5	21.3	20711	2242.7	372.5	801	Three mixed exponential	SRX011807
ICM_GOA_Bv6.GOA_0006_2007_02_12	29.47	34.92	5	20.3	12559	1239.8	95.1	666	Three mixed exponential	SRX011808
ICM_GOA_Bv6.GOA_0007_2007_03_15	29.47	34.92	5	20.4	19055	1663.8	433.5	629	Three mixed exponential	SRX011809
ICM_GOA_Bv6.GOA_0008_2007_04_16	29.47	34.92	5	21.9	13745	2012.8	867.9	564	Three mixed exponential	SRX011810
ICM_GOA_Bv6.GOA_0009_2007_05_14	29.47	34.92	5	23.5	11370	840.3	138.8	348	Three mixed exponential	SRX011811
ICM_GOA_Bv6.GOA_0010_2007_06_19	29.47	34.92	5	26.1	16116	540.7	44.4	312	Two mixed exponential	SRX011812
ICM_GOA_Bv6.GOA_0011_2007_09_18	29.47	34.92	20	27.7	6552	528.9	28.1	335	Two mixed exponential	SRX011813
ICM_GOA_Bv6.GOA_0012_2007_12_18	29.47	34.92	5	22.8	23530	2971.6	305.6	1046	Three mixed exponential	SRX011814
ICM_GOA_Bv6.GOA_0013_2007_07_24	29.47	34.92	20	27.9	18231	1248.6	345.6	436	Three mixed exponential	SRX011815
ICM_GOA_Bv6.GOA_0014_2007_07_24	29.47	34.92	100	27.9	20983	1525.8	229.4	650	Three mixed exponential	SRX011816
ICM_GOA_Bv6.GOA_0015_2007_07_24	29.47	34.92	125	27.9	29014	4580.9	1972.9	879	Four mixed exponential	SRX011817
ICM_HCW_Bv6.HCW_0001_2007_04_04	47.55	-123.01	0	10.7	14743	1505.7	324.5	341	2b:Two mixed exponential	SRX011264
ICM_HCW_Bv6.HCW_0002_2007_04_04	47.55	-123.01	145	8.9	14898	2992	285.2	1020	Three mixed exponential	SRX011265
ICM_HCW_Bv6.HCW_0003_2007_04_06	47.36	-123.02	5	9.0	10482	768.8	93.9	281	Two mixed exponential	SRX011266
ICM_HCW_Bv6.HCW_0004_2007_04_06	47.36	-123.02	50	9.0	14739	5105	628.7	1238	Three mixed exponential	SRX011267
ICM_HCW_Bv6.HCW_0005_2007_06_11	47.89	-122.60	0	12.9	14019	5975.4	5064.6	442	Two mixed exponential	SRX011268
ICM_HCW_Bv6.HCW_0006_2007_06_11	47.89	-122.60	124	12.4	11108	1899.9	393.9	524	Three mixed exponential	SRX011269
ICM_HCW_Bv6.HCW_0007_2007_06_13	47.55	-123.01	0	13.0	6729	1324.6	274.5	354	Three mixed exponential	SRX011270
ICM_HCW_Bv6.HCW_0008_2007_06_13	47.55	-123.01	144	12.7	11545	2849.4	493.1	802	Three mixed exponential	SRX011271
ICM_HCW_Bv6.HCW_0009_2007_06_13	47.36	-123.02	0	14.6	7077	1864.4	420.5	355	Four mixed exponential	SRX011272
ICM_HCW_Bv6.HCW_0010_2007_06_13	47.36	-123.02	40	12.6	10368	6412.9	2523.8	981	Four mixed exponential	SRX011273
ICM_HCW_Bv6.HCW_0011_2007_06_13	47.40	-122.93	0	16.6	11595	1121.8	215.9	318	Two mixed exponential	SRX011274
ICM_HCW_Bv6.HCW_0012_2007_06_13	47.40	-122.93	11.7	9.8	8379	2176.6	834.8	491	Three mixed exponential	SRX011275
ICM_HCW_Bv6.HCW_0013_2007_10_23	47.55	-123.01	0	10.7	3663	2237.5	641.8	447	Two mixed exponential	SRX011276
ICM_HCW_Bv6.HCW_0014_2007_10_23	47.55	-123.01	140	11.2	11445	1995.5	130.4	873	2b:Three mixed exponential	SRX011277
ICM_HCW_Bv6.HCW_0015_2007_10_23	47.36	-123.02	0	11.0	4446	1103	242.4	265	Two mixed exponential	SRX011278
ICM_HCW_Bv6.HCW_0016_2007_10_23	47.36	-123.02	50	11.3	9795	3755.6	538.6	987	Three mixed exponential	SRX011279
ICM_LCR_Bv6.LCR_0002_2009_01_13	17.97	-67.01	0.1	26.0	7733	2867.3	570	605	Three mixed exponential	SRX011449
ICM_LCR_Bv6.LCR_0004_2008_09_22	-34.79	-57.34	0.5	23.0	16209	1966.5	156.5	917	Three mixed exponential	SRX011451
ICM_LCR_Bv6.LCR_0009_2008_04_25	-34.58	-54.28	0.5	19.0	25352	4517.9	830.2	966	Three mixed exponential	SRX011453
ICM_LCR_Bv6.LCR_0010_2008_04_25	-34.67	-54.27	0.6	20.0	18974	5879.2	2248.5	910	Four mixed exponential	SRX011454
ICM_LCR_Bv6.LCR_0011_2006_06_29	-36.17	-55.27	2	11.7	31278	1952.6	571.1	571	Three mixed exponential	SRX011455
ICM_LCR_Bv6.LCR_0013_2006_09_01	-38.69	-57.68	5	8.2	16836	604.5	49.8	293	Two mixed exponential	SRX011456
ICM_MPI_Bv6.MPI_0001_2004_05_06	54.19	7.90	1	9.4	11771	1071.7	340.5	307	Three mixed exponential	SRX011280
ICM_MPI_Bv6.MPI_0002_2004_05_06	54.19	7.90	1	9.4	527	431.3	70.4	143	Two mixed exponential	SRX011281
ICM_MPI_Bv6.MPI_0003_2005_05_31	54.19	7.90	1	12.4	14924	760.4	220.2	276	Three mixed exponential	SRX011282
ICM_MPI_Bv6.MPI_0004_2005_05_31	54.19	7.90	1	12.4	12215	2359.1	392.9	712	Three mixed exponential	SRX011283
ICM_MPI_Bv6.MPI_0005_2007_03_05	54.19	7.90	1	4.4	7692	1989.5	192.6	732	Three mixed exponential	SRX011284
ICM_MPI_Bv6.MPI_0006_2007_05_21	54.19	7.90	1	11.4	8407	2837	778.5	765	Three mixed exponential	SRX011285
ICM_MPI_Bv6.MPI_0007_2007_05_21	54.19	7.90	1	11.4	12003	1682.4	361.9	478	2b:Three mixed exponential	SRX011286
ICM_MPI_Bv6.MPI_0008_2007_07_24	54.19	7.90	1	17.3	14620	992.9	217.2	350	Three mixed exponential	SRX011287
ICM_MPI_Bv6.MPI_0009_2004_05_17	54.19	7.90	1	11.4	9313	678.6	178.5	200	Two mixed exponential	SRX011288
ICM_MPI_Bv6.MPI_0010_2004_05_17	54.19	7.90	1	11.4	2084	932.2	219.6	253	Three mixed exponential	SRX011289

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ICM_MPI_Bv6.MPI_0011_2004_05_24	54.19	7.90	1	12.4	20900	1562.3	351.6	372	Three mixed exponential	SRX011290
ICM_MPI_Bv6.MPI_0012_2004_05_24	54.19	7.90	1	12.4	4621	1606.5	409.9	343	Three mixed exponential	SRX011291
ICM_MPI_Bv6.MPI_0013_2005_05_17	54.19	7.90	1	11.4	10206	1132.1	416	274	Two mixed exponential	SRX011292
ICM_MPI_Bv6.MPI_0014_2004_05_17	54.19	7.90	1	11.4	15793	3094.2	387.6	975	Three mixed exponential	SRX011293
ICM_MPI_Bv6.MPI_0015_2004_05_24	54.19	7.90	1	11.4	27409	973.1	182.6	329	Two mixed exponential	SRX011294
ICM_MPI_Bv6.MPI_0016_2004_05_24	54.19	7.90	1	11.4	23558	2111.5	266.5	646	Three mixed exponential	SRX011295
ICM_PML_Bv6.PML_0001_2007_02_16	50.20	-4.22	0	10.0	12347	1868.1	185.5	843	Three mixed exponential	SRP001108
ICM_PML_Bv6.PML_0002_2007_03_07	50.20	-4.22	0	10.3	8973	3411.1	269.2	1157	Three mixed exponential	SRP001109
ICM_PML_Bv6.PML_0003_2007_03_26	50.20	-4.22	0	10.3	5852	1281.7	134.6	566	Three mixed exponential	SRP001110
ICM_PML_Bv6.PML_0004_2007_04_23	50.25	-4.22	0	11.8	7268	1012.4	400.5	305	Two mixed exponential	SRP001111
ICM_PML_Bv6.PML_0005_2007_05_08	50.25	-4.22	0	12.4	8179	947.4	93.4	425	2b:Three mixed exponential	SRP001112
ICM_PML_Bv6.PML_0006_2007_06_04	50.25	-4.13	0	14.0	12297	698.8	204.6	306	Four mixed exponential	SRP001113
ICM_PML_Bv6.PML_0007_2007_06_25	50.25	-4.13	0	15.2	10027	530.4	32.9	332	Two mixed exponential	SRP001114
ICM_PML_Bv6.PML_0008_2007_07_30	50.25	-4.13	0	15.5	11529	1269.3	342.1	423	Three mixed exponential	SRP001115
ICM_PML_Bv6.PML_0009_2007_08_20	50.25	-4.13	0	15.5	12344	795.3	114.3	368	Three mixed exponential	SRP001116
ICM_PML_Bv6.PML_0010_2007_09_29	50.25	-4.13	0	16.0	12772	1095.2	126.6	523	Three mixed exponential	SRP001117
ICM_PML_Bv6.PML_0011_2007_10_25	50.25	-4.13	0	15.4	11286	1297.7	133.4	601	Three mixed exponential	SRP001118
ICM_PML_Bv6.PML_0012_2007_12_12	50.25	-4.13	0	13.9	13730	1739.5	769.8	455	Three mixed exponential	SRP001119
ICM_PML_Bv6.PML_0017_2008_02_20	50.25	-4.21	0	9.7	5827	2253.2	851.9	477	Three mixed exponential	SRP001120
ICM_PML_Bv6.PML_0018_2008_03_05	50.25	-4.21	0	9.5	4841	1893.1	331.4	547	Three mixed exponential	SRP001121
ICM_PML_Bv6.PML_0019_2008_03_17	50.25	-4.21	0	9.4	4788	3771.2	2070.6	445	2b:Two mixed exponential	SRP001122
ICM_PML_Bv6.PML_0020_2008_04_21	50.25	-4.21	0	9.7	4477	997.9	343.2	271	Three mixed exponential	SRP001123
ICM_PML_Bv6.PML_0021_2008_05_06	50.25	-4.21	0	11.5	12018	1336.5	171.2	516	Three mixed exponential	SRP001124
ICM_PML_Bv6.PML_0022_2008_06_02	50.25	-4.21	0	14.5	4726	414.2	36.5	221	2b:Two mixed exponential	SRP001125
ICM_PML_Bv6.PML_0023_2008_06_23	50.25	-4.21	0	14.3	6085	780.7	72.8	344	Two mixed exponential	SRP001126
ICM_PML_Bv6.PML_0024_2008_07_21	50.25	-4.21	0	14.8	7365	1031.2	272.8	317	Three mixed exponential	SRP001127
ICM_PML_Bv6.PML_0025_2008_08_20	50.25	-4.21	0	15.4	13687	2184.1	278.7	672	Three mixed exponential	SRP001128
ICM_PML_Bv6.PML_0026_2008_09_22	50.25	-4.21	0	14.6	5991	1502	272.4	459	2b:Two mixed exponential	SRP001129
ICM_PML_Bv6.PML_0027_2008_10_27	50.25	-4.21	0	14.3	18909	2584.9	1043.8	884	Four mixed exponential	SRP001130
ICM_PML_Bv6.PML_0028_2008_12_08	50.25	-4.21	0	11.2	6025	4709.5	2244.5	679	2c:Two mixed exponential	SRP001131
ICM_PML_Bv6.PML_0029_2008_01_28_Dp	50.25	-4.21	0	10.1	5487	1018.7	73.2	498	Two mixed exponential	SRP001132
ICM_PML_Bv6.PML_0030_2008_01_28_Np	50.26	-4.24	0	10.1	4695	2262.7	276.1	646	Three mixed exponential	SRP001133
ICM_PML_Bv6.PML_0031_2008_08_27_Dp	50.25	-4.20	0	15.9	6774	796.2	163.5	308	Three mixed exponential	SRP001134
ICM_PML_Bv6.PML_0032_2008_08_27_Np	50.25	-4.20	0	15.8	6553	800	202.2	281	Three mixed exponential	SRP001135
ICM_PML_Bv6.PML_0033_2008_08_28_Np	50.27	-4.17	0	15.7	9992	716.3	53.4	352	Two mixed exponential	SRP001136
ICM_PML_Bv6.PML_0034_2008_08_28_Dp	50.27	-4.15	0	15.8	9290	1287.1	347.2	333	Three mixed exponential	SRP001137
ICM_PML_Bv6.PML_0035_2008_04_22_Dp	50.25	-4.21	0	9.7	6577	877.5	176.5	291	Three mixed exponential	SRP001138
ICM_PML_Bv6.PML_0036_2008_04_22_Np	50.25	-4.19	0	9.6	4273	1291.6	459.7	255	Four mixed exponential	SRP001139
ICM_PML_Bv6.PML_0037_2008_04_22_D	50.25	-4.21	0	9.7	6578	2464.6	505.2	626	Three mixed exponential	SRP001140
ICM_PML_Bv6.PML_0038_2008_01_28_D	50.25	-4.21	0	10.1	14272	7282.3	1603.6	1166	Three mixed exponential	SRP001141
ICM_PML_Bv6.PML_39_2003_01_13	50.25	4.21	0	9.3	10430	1950.5	357.8	568	Three mixed exponential	SRP001142
ICM_PML_Bv6.PML_40_2003_03_31	50.25	4.21	0	9.3	4707	873.6	238	311	Three mixed exponential	SRP001143
ICM_PML_Bv6.PML_41_2003_04_28	50.25	4.21	0	9.6	6396	1084.1	475.9	237	Two mixed exponential	SRP001144

Sample_ID	Metadata				No. of sequeces	Richness			SRA	
	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs		Best parametric model
ICM_PML_Bv6.PML_42_2003_05_26	50.25	4.21	0	12.3	6264	500.4	109	240	Three mixed exponential	SRP001145
ICM_PML_Bv6.PML_43_2003_06_09	50.25	4.21	0	14.2	9976	622.4	95.7	252	Three mixed exponential	SRP001146
ICM_PML_Bv6.PML_44_2003_07_07	50.25	4.21	0	16.6	10864	3796	146	243	2c:Four mixed exponential	SRP001147
ICM_PML_Bv6.PML_45_2003_07_21	50.25	4.21	0	16.5	8851	554.9	112.9	247	Three mixed exponential	SRP001148
ICM_PML_Bv6.PML_46_2003_08_04	50.25	4.21	0	15.8	11994	451.9	47.4	218	2b:Two mixed exponential	SRP001149
ICM_PML_Bv6.PML_47_2003_08_25	50.25	4.21	0	17.7	10334	1263.9	540.3	338	Three mixed exponential	SRP001150
ICM_PML_Bv6.PML_48_2003_09_29	50.25	4.21	0	16.1	13417	1283.5	307.4	427	Three mixed exponential	SRP001151
ICM_PML_Bv6.PML_49_2003_10_06	50.25	4.21	0	15.2	17112	1531.5	233.6	546	Three mixed exponential	SRP001152
ICM_PML_Bv6.PML_50_2003_12_08	50.25	4.21	0	12.0	13828	2046.1	357.9	674	Three mixed exponential	SRP001153
ICM_PML_Bv6.PML_51_2004_03_01	50.25	4.21	0	9.2	14053	2191.6	789.9	526	Three mixed exponential	SRP001154
ICM_PML_Bv6.PML_52_2004_03_15	50.25	4.21	0	9.0	5486	515.7	32.1	313	Two mixed exponential	SRP001155
ICM_PML_Bv6.PML_53_2004_05_03	50.25	4.21	0	12.0	12327	453.5	37.3	262	Two mixed exponential	SRP001156
ICM_PML_Bv6.PML_54_2004_05_31	50.25	4.21	0	12.2	15382	499.6	37.3	287	Two mixed exponential	SRP001157
ICM_PML_Bv6.PML_55_2004_06_14	50.25	4.21	0	15.6	5193	579.1	149.6	197	Two mixed exponential	SRP001158
ICM_PML_Bv6.PML_56_2004_06_21	50.25	4.21	0	13.6	4911	510.1	122.1	220	Three mixed exponential	SRP001159
ICM_PML_Bv6.PML_57_2004_07_26	50.25	4.21	0	16.5	9295	607.9	192.6	200	Three mixed exponential	SRP001160
ICM_PML_Bv6.PML_58_2004_08_23	50.25	4.21	0	16.0	4545	5690	2382.5	327	Four mixed exponential	SRP001161
ICM_PML_Bv6.PML_59_2004_10_04	50.25	4.21	0	14.0	8485	1656	207.5	555	Three mixed exponential	SRP001162
ICM_PML_Bv6.PML_60_2004_10_25	50.25	4.21	0	13.5	11253	1149.7	83.1	592	Three mixed exponential	SRP001163
ICM_PML_Bv6.PML_61_2004_12_06	50.25	4.21	0	11.6	17057	2072.3	288.7	712	Three mixed exponential	SRP001164
ICM_PML_Bv6.PML_62_2004_12_20	50.25	4.21	0	11.8	5449	1023.5	96.1	452	Two mixed exponential	SRP001165
ICM_PML_Bv6.PML_63_2005_01_24	50.25	4.21	0	10.6	23128	9216.1	3632.8	1510	Four mixed exponential	SRP001166
ICM_PML_Bv6.PML_64_2005_02_28	50.25	4.21	0	8.6	9532	2463.2	1198.5	429	2b:Three mixed exponential	SRP001167
ICM_PML_Bv6.PML_65_2005_04_18	50.25	4.21	0	9.9	6079	947.6	127.7	368	Two mixed exponential	SRP001168
ICM_PML_Bv6.PML_66_2005_05_04	50.25	4.21	0	10.9	7275	2082.1	369	540	Three mixed exponential	SRP001169
ICM_PML_Bv6.PML_67_2005_06_06	50.25	4.21	0	13.0	6349	531.4	35.1	295	Two mixed exponential	SRP001170
ICM_PML_Bv6.PML_68_2005_06_20	50.25	4.21	0	13.7	20770	1799.1	208.4	685	Three mixed exponential	SRP001171
ICM_PML_Bv6.PML_69_2005_07_25	50.25	4.21	0	14.8	4709	926.4	295.8	301	Three mixed exponential	SRP001172
ICM_PML_Bv6.PML_70_2005_08_15	50.25	4.21	0	16.3	5992	924.1	258.2	286	Three mixed exponential	SRP001173
ICM_PML_Bv6.PML_71_2005_09_19	50.25	4.21	0	16.5	8486	943.5	77.6	488	Three mixed exponential	SRP001174
ICM_PML_Bv6.PML_72_2005_10_17	50.25	4.21	0	15.2	18566	2260.2	276.4	795	Three mixed exponential	SRP001175
ICM_PML_Bv6.PML_73_2005_11_15	50.25	4.21	0	13.4	15862	3843.4	1457.2	957	Four mixed exponential	SRP001176
ICM_PML_Bv6.PML_74_2005_12_05	50.25	4.21	0	11.7	9609	4304.9	805.2	1034	Three mixed exponential	SRP001177
ICM_PML_Bv6.PML_75_2006_01_03	50.25	4.21	0	10.6	33314	4571.6	633.4	1411	Four mixed exponential	SRP001178
ICM_PML_Bv6.PML_76_2006_03_06	50.25	4.21	0	7.5	10122	1870.2	544.8	490	Three mixed exponential	SRP001179
ICM_PML_Bv6.PML_77_2006_03_20	50.25	4.21	0	7.4	13757	1254	99.8	542	Two mixed exponential	SRP001180
ICM_PML_Bv6.PML_78_2006_04_11	50.25	4.21	0	8.5	6319	998.3	139.6	396	Three mixed exponential	SRP001181
ICM_PML_Bv6.PML_79_2006_05_04	50.25	4.21	0	10.0	4266	676	151.2	234	Three mixed exponential	SRP001182
ICM_PML_Bv6.PML_80_2006_06_06	50.25	4.21	0	13.5	16777	1579.3	277.2	541	Three mixed exponential	SRP001183
ICM_PML_Bv6.PML_81_2006_06_27	50.25	4.21	0	14.8	5261	922.6	301.1	221	Three mixed exponential	SRP001184
ICM_PML_Bv6.PML_82_2006_07_17	50.25	4.21	0	17.7	4664	298.5	28.2	173	Two mixed exponential	SRP001185
ICM_PML_Bv6.PML_83_2006_08_22	50.25	4.21	0	15.9	8642	658.5	110.6	310	Three mixed exponential	SRP001186
ICM_PML_Bv6.PML_84_2006_09_12	50.25	4.21	0	17.2	23120	1324	194.7	542	Three mixed exponential	SRP001187

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	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs	Best parametric model	Accession no.
ICM_PML_Bv6.PML_85_2006_10_30	50.25	4.21	0	15.2	12066	2209.2	381.8	758	Three mixed exponential	SRP001188
ICM_PML_Bv6.PML_86_2006_12_12	50.25	4.21	0	11.6	11210	3084.2	426.7	927	Three mixed exponential	SRP001189
ICM_SPO_Bv6.SPO_0013_2008_01_31	-19.16	146.88	15	28.6	15693	4562.3	585.3	1247	Three mixed exponential	SRX011324
ICM_SPO_Bv6.SPO_0014_2008_01_31	-19.16	146.88	15	28.6	56429	8868.2	777.7	2230	Three mixed exponential	SRX011325
ICM_SPO_Bv6.SPO_0015_2008_01_31	-19.16	146.88	15	28.6	12933	1498.4	104	746	Three mixed exponential	SRX011326
ICM_SPO_Bv6.SPO_0016_2008_01_31	-19.16	146.88	15	28.6	18815	4699.7	428.1	1291	Three mixed exponential	SRX011327
KCK_EEL_Bv6.winter	41.53	-70.67	1	5.5	16699	5601	1637.4	1259	Four mixed exponential	SRP001544
KCK_HOT_Bv6.HOT177_5	22.75	-158.00	5	23.8	20813	3380	618.9	1296	Four mixed exponential	SRX011460
KCK_HOT_Bv6.HOT180_5	22.75	-158.00	5	23.6	25496	1326.9	113.1	634	Three mixed exponential	SRX011462
KCK_HOT_Bv6.HOT181_5	22.75	-158.00	5	24.7	22075	2227.7	654.6	455	Four mixed exponential	SRX011464
KCK_HOT_Bv6.HOT183_5	22.75	-158.00	5	25.6	30409	2527.3	659.3	704	Two mixed exponential	SRX011466
KCK_HOT_Bv6.HOT185_10	22.75	-158.00	10	25.6	40098	1611.9	247.7	612	Three mixed exponential	SRX011468
KCK_HOT_Bv6.HOT186_10	22.75	-158.00	10	26.3	21425	1220.7	178.5	569	Two mixed exponential	SRX011470
KCK_HOT_Bv6.HOT186_100	22.75	-158.00	100	26.3	22411	2498.9	365.5	860	Three mixed exponential	SRX011471
KCK_HOT_Bv6.HOT186_125	22.75	-158.00	125	26.3	22535	1824.7	619.4	749	Three mixed exponential	SRX011473
KCK_HOT_Bv6.HOT186_175	22.75	-158.00	175	26.3	12915	1220.6	103.6	648	Three mixed exponential	SRX011474
KCK_HOT_Bv6.HOT186_75	22.75	-158.00	75	26.3	21690	1461.7	285.7	646	Three mixed exponential	SRX011480
KCK_HOT_Bv6.HOT188_10	22.75	-158.00	10	24.8	27722	911.6	44.4	571	Two mixed exponential	SRX011482
KCK_HOT_Bv6.HOT189_10	22.75	-158.00	10	23.4	20479	1086.7	81	546	Three mixed exponential	SRX011484
KCK_HOT_Bv6.HOT189_100	22.75	-158.00	100	23.4	21144	3299.8	769	893	2b: Three mixed exponential	SRX011485
KCK_HOT_Bv6.HOT189_125	22.75	-158.00	125	23.4	14477	1570.9	270.3	673	Three mixed exponential	SRX011487
KCK_HOT_Bv6.HOT189_175	22.75	-158.00	175	23.4	15372	2851.9	1061.4	855	Three mixed exponential	SRX011488
KCK_HOT_Bv6.HOT189_75	22.75	-158.00	75	23.4	8400	908.3	204.7	317	Three mixed exponential	SRX011492
KCK_HOT_Bv6.HOT190_5	22.75	-158.00	5	23.4	19199	2596.2	823.7	549	Four mixed exponential	SRX011494
KCK_HOT_Bv6.HOT191_5	22.75	-158.00	5	23.9	43728	3201.8	1251	786	Three mixed exponential	SRX011496
KCK_HOT_Bv6.HOT193_5	22.75	-158.00	5	25.5	62155	2128.6	247.3	884	Three mixed exponential	SRX011498
KCK_HOT_Bv6.HOT194_10	22.75	-158.00	10	25.9	16276	2010.5	713.4	551	Four mixed exponential	SRX011500
KCK_HOT_Bv6.HOT194_100	22.75	-158.00	100	25.9	20624	1510.6	157.1	733	Three mixed exponential	SRX011501
KCK_HOT_Bv6.HOT194_125	22.75	-158.00	125	25.9	10789	1107.5	39.2	709	Two mixed exponential	SRX011503
KCK_HOT_Bv6.HOT194_175	22.75	-158.00	175	25.9	12381	2056.6	380	943	Four mixed exponential	SRX011504
KCK_HOT_Bv6.HOT194_75	22.75	-158.00	75	25.9	23475	998.7	30.5	711	Two mixed exponential	SRX011507
KCK_KNX_Bv6.KNX_0001_2006_12_21	-23.85	-165.64	100	25.1	7578	1033	93.7	471	Three mixed exponential	SRP001542
KCK_KNX_Bv6.KNX_0002_2006_12_24	-26.05	-156.89	110	23.7	22586	2173.7	204.3	971	Three mixed exponential	SRP001543
KCK_KNX_Bv6.KNX_0003_2006_12_27	-27.94	-148.59	120	23.7	20120	2123.4	216.1	896	Three mixed exponential	SRP001544
KCK_KNX_Bv6.KNX_0004_2006_12_30	-26.48	-137.94	150	19.2	17031	1944.9	210.7	883	Three mixed exponential	SRP001545
KCK_KNX_Bv6.KNX_0005_2007_01_01	-28.45	-131.39	145	24.1	21616	2180.1	171.2	1006	Three mixed exponential	SRP001546
KCK_KNX_Bv6.KNX_0006_2007_01_07	-27.74	-117.62	200	24.4	28543	3015.5	357.1	1205	Four mixed exponential	SRP001547
KCK_KNX_Bv6.KNX_0007_2007_01_11	-38.06	-133.09	110	17.5	19808	1815.9	504	632	Three mixed exponential	SRP001548
KCK_KNX_Bv6.KNX_0008_2007_01_13	-39.31	-139.80	100	16.4	14199	1117.4	121.6	529	Three mixed exponential	SRP001549
KCK_NADW_Bv6.S13	4.78	-15.07	100	28.4	6593	1180.5	341.9	319	Three mixed exponential	SRX012190
KCK_NADW_Bv6.S23	0.69	-14.24	99	25.8	12502	1219.9	82.1	662	Three mixed exponential	SRX012201
KCK_NADW_Bv6.S29	-4.09	-15.91	101	25.5	12344	2660.9	1312.7	635	Three mixed exponential	SRX012207
KCK_NADW_Bv6.S41	16.83	-26.00	100	24.8	43670	3418.3	162.8	1587	Two mixed exponential	SRX012221

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	Latitude	Longitude	Depth (m)	Temperature (SST)		Estimate from best model	Confidence bounds	Total observed OTUs	Best parametric model	Accession no.
KCK_NADW_Bv6.S47	21.09	-23.11	99	23.3	11733	1408.9	76.8	696	Two mixed exponential	SRX012227
KCK_NADW_Bv6.S6	11.83	-20.16	100	27.9	61413	13519.3	4629.3	2370	Four mixed exponential	SRX012229
LTR_PAL_Bv6.PAL_1_1B	-64.94	-64.41	10.6	1.0	1992	542.5	246.7	103	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_1_2B	-64.94	-64.41	10.6	1.0	1226	133.5	24.3	66	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_2_1B	-64.94	-64.41	99.9	-0.1	1384	389.5	36.2	201	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_2_2B	-64.94	-64.41	99.9	-0.1	10070	1024.4	102.1	480	Three mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_3_1B	-63.97	-66.86	12.765	0.6	16457	408.2	78.5	185	Three mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_3_2B	-63.97	-66.86	12.765	0.6	1219	118.2	18.2	73	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_4_1B	-63.97	-66.86	98.606	-1.0	14088	426.2	32.1	257	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_4_2B	-63.97	-66.86	98.606	-1.0	15467	655.4	123.2	278	Three mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_5_1B	-66.45	-73.03	11.857	0.9	1944	128.4	17.1	77	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_5_2B	-66.45	-73.03	11.857	0.9	9901	295.9	116.8	128	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_6_1B	-66.45	-73.03	124.62	1.2	8585	921.3	124.6	394	Three mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_6_2B	-66.45	-73.03	124.62	1.2	12721	2247.6	1027.6	477	Four mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_7_1B	-67.90	-69.62	14.932	0.6	3602	197.6	25.3	111	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_7_2B	-67.90	-69.62	14.932	0.6	1267	356.6	110	98	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_8_1B	-67.90	-69.62	99.821	-1.0	15261	898.9	167.7	374	Three mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_8_2B	-67.90	-69.62	99.821	-1.0	22263	909.6	79.4	436	Two mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_9_1B	-64.94	-64.41	10	0.0	9027	3791	1281.4	433	2b:Four mixed exponential	SRA059385
LTR_PAL_Bv6.PAL_9_2B	-64.94	-64.41	10	0.0	9383	2076	512.5	448	Three mixed exponential	SRA059385