

ID	Chromosome	CGI.Relation	AVERAGE $\beta$ -VALUE IN CHORDOMA	AVERAGE $\beta$ -VALUE IN CONTROLS	Delta $\beta$ -VALUE	FDR
cg26883963	chr1	Open Sea	0.337157379	0.84448066	0.5073233	0.004469
cg03448362	chr1	Open Sea	0.271345562	0.754081068	0.4827355	0.003303
cg18765906	chr1	Open Sea	0.36720507	0.841711699	0.4745066	0.000251
cg01876531	chr1	Open Sea	0.29269652	0.760419532	0.467723	1.02E-05
cg22481448	chr1	North Shore	0.409772607	0.875215907	0.4654433	6.2E-09
cg08458637	chr1	Open Sea	0.429811885	0.889413029	0.4596011	0.004671
cg19693031	chr1	Open Sea	0.39614065	0.845846266	0.4497056	0.039727
cg19707677	chr1	Open Sea	0.449352052	0.895128822	0.4457768	1.5E-09
cg06174882	chr1	South Shelf	0.379235073	0.82484654	0.4456115	5.46E-05
cg20989443	chr1	Open Sea	0.480575346	0.925826031	0.4452507	5.5E-11
cg05376738	chr1	Open Sea	0.374454798	0.811655997	0.4372012	0.036969
cg07798602	chr1	Open Sea	0.444694361	0.874233121	0.4295388	0.00151
cg12613632	chr1	Open Sea	0.386785073	0.814162885	0.4273778	0.000328
cg07342108	chr1	Open Sea	0.44945925	0.872269565	0.4228103	1.14E-05
cg00831127	chr1	South Shore	0.399171232	0.819173654	0.4200024	1.44E-08
cg03471346	chr1	Open Sea	0.240694051	0.657775733	0.4170817	0.041406
cg21266630	chr1	North Shelf	0.471359064	0.887615505	0.4162564	3.62E-08
cg03058163	chr1	North Shore	0.454062528	0.862294866	0.4082323	0.001081
cg03749154	chr1	North Shelf	0.468251163	0.869750779	0.4014996	2.15E-05
cg13460934	chr1	South Shelf	0.470474468	0.869125043	0.3986506	8.63E-08
cg06118122	chr1	Open Sea	0.440812709	0.838579402	0.3977667	0.039361
cg07838943	chr1	Open Sea	0.458488854	0.854517447	0.3960286	0.002348
cg24359048	chr1	Open Sea	0.473521478	0.85956752	0.386046	0.000339
cg02493905	chr1	Open Sea	0.49381184	0.87960093	0.3857891	7.72E-05
cg10861751	chr1	Open Sea	0.414223932	0.799616493	0.3853926	0.026222
cg10092779	chr1	Open Sea	0.484066628	0.864842646	0.380776	2.29E-08
cg23085167	chr1	North Shelf	0.482313538	0.862051336	0.3797378	1.22E-07
cg21684179	chr1	North Shore	0.402569464	0.781550751	0.3789813	0.000457
cg21536086	chr1	Open Sea	0.533276622	0.907636231	0.3743596	6.47E-08
cg06099439	chr1	North Shore	0.372649327	0.746976032	0.3743267	0.000341
cg17150265	chr1	North Shelf	0.439961914	0.812337703	0.3723758	2.63E-07
cg17421241	chr1	North Shore	0.435553952	0.807546411	0.3719925	2.49E-09
cg22729681	chr1	Open Sea	0.479215213	0.850120457	0.3709052	0.002061
cg21528710	chr1	Open Sea	0.495582117	0.866480553	0.3708984	3.63E-08
cg25773695	chr1	Open Sea	0.356671763	0.725707571	0.3690358	0.004615
cg05791946	chr1	North Shelf	0.540684005	0.908251086	0.3675671	1.24E-08
cg09828411	chr1	Open Sea	0.469810784	0.837002657	0.3671919	2.07E-07
cg26030470	chr1	Open Sea	0.513677129	0.875619965	0.3619428	0.000734
cg22672625	chr1	South Shelf	0.527891912	0.889560423	0.3616685	5.72E-07
cg00163018	chr1	Open Sea	0.519761417	0.881242126	0.3614807	7.43E-06
cg23935261	chr1	Open Sea	0.483608731	0.844332945	0.3607242	0.002118
cg15059176	chr1	North Shore	0.479558695	0.83818584	0.3586271	0.028595
cg14514991	chr1	Open Sea	0.50922976	0.867493225	0.3582635	0.005497
cg11518938	chr1	North Shelf	0.373412264	0.731354298	0.357942	0.002765
cg24807850	chr1	South Shore	0.34140064	0.6972592	0.3558586	7.27E-05
cg13152158	chr1	North Shelf	0.56746421	0.922520596	0.3550564	1.16E-07
cg12467090	chr1	Open Sea	0.56152975	0.916585828	0.3550561	6.09E-09
cg15202552	chr1	Open Sea	0.410066537	0.764468365	0.3544018	4.84E-08

cg13213165	chr1	Open Sea	0.504361841	0.858642665	0.3542808	0.03796
cg24042923	chr1	Open Sea	0.323551625	0.676940346	0.3533887	2.2E-07
cg10092518	chr1	Open Sea	0.539972738	0.886896506	0.3469238	1.43E-06
cg05628625	chr1	South Shore	0.567935538	0.914025607	0.3460901	6.58E-08
cg26357403	chr1	South Shelf	0.372748033	0.718222828	0.3454748	0.002016
cg05343184	chr1	North Shore	0.437239401	0.782066343	0.3448269	0.000781
cg01048810	chr1	South Shelf	0.378046847	0.722369358	0.3443225	3.16E-08
cg13104274	chr1	South Shore	0.510764932	0.854382558	0.3436176	0.003103
cg15102821	chr1	Open Sea	0.324532959	0.668067608	0.3435346	0.008063
cg03281194	chr1	North Shore	0.515275051	0.856933583	0.3416585	0.00162
cg04308687	chr1	Open Sea	0.169347662	0.509492064	0.3401444	0.005367
cg17888259	chr1	South Shore	0.514689965	0.854702143	0.3400122	0.001744
cg11335179	chr1	Open Sea	0.553335203	0.893345894	0.3400107	9.11E-05
cg06903917	chr1	Open Sea	0.541921653	0.879120828	0.3371992	8.02E-05
cg04267765	chr1	North Shore	0.523965129	0.857705202	0.3337401	5.43E-07
cg06949778	chr1	Open Sea	0.486873601	0.820602403	0.3337288	1.79E-06
cg03523254	chr1	Open Sea	0.567087653	0.900191187	0.3331035	2.1E-07
cg07166084	chr1	North Shelf	0.308750323	0.640704009	0.3319537	0.028594
cg10124445	chr1	Open Sea	0.556036682	0.88593292	0.3298962	1.34E-07
cg15521745	chr1	Open Sea	0.519992417	0.848344324	0.3283519	0.00326
cg17891251	chr1	Open Sea	0.591828102	0.918992219	0.3271641	6.51E-07
cg01785490	chr1	Open Sea	0.517521633	0.844214111	0.3266925	0.005906
cg24335149	chr1	Open Sea	0.520043828	0.846335566	0.3262917	0.006288
cg20311002	chr1	Open Sea	0.515144678	0.84078932	0.3256446	0.017148
cg26515162	chr1	North Shore	0.571649353	0.897193073	0.3255437	0.005721
cg10947764	chr1	Open Sea	0.59081986	0.915595714	0.3247759	3.84E-07
cg21291134	chr1	Open Sea	0.487528987	0.812135855	0.3246069	0.021269
cg26864297	chr1	North Shelf	0.548974111	0.873547026	0.3245729	0.004138
cg26026598	chr1	Open Sea	0.485865759	0.810184902	0.3243191	2.06E-07
cg12137928	chr1	Open Sea	0.459807479	0.783885826	0.3240783	1.86E-06
cg20484653	chr1	South Shelf	0.532877396	0.856947927	0.3240705	8.99E-06
cg08918576	chr1	Open Sea	0.481015884	0.802633306	0.3216174	0.018061
cg06203976	chr1	North Shore	0.535946261	0.85748252	0.3215363	8E-05
cg09993145	chr1	Open Sea	0.232682837	0.553826863	0.321144	0.000189
cg08948808	chr1	Open Sea	0.453712139	0.774175539	0.3204634	0.009278
cg19904265	chr1	South Shelf	0.36394099	0.684068844	0.3201279	0.007919
cg14843670	chr1	Open Sea	0.567967508	0.887717201	0.3197497	0.001
cg12689806	chr1	Open Sea	0.5709748	0.888326181	0.3173514	0.00115
cg15700197	chr1	Open Sea	0.491297905	0.807896621	0.3165987	0.000771
cg19821682	chr1	Open Sea	0.499751448	0.816078206	0.3163268	4.59E-07
cg10992558	chr1	Open Sea	0.522661788	0.838586175	0.3159244	8.34E-08
cg04490113	chr1	Open Sea	0.564658116	0.880275836	0.3156177	6.56E-06
cg03607855	chr1	North Shelf	0.507995831	0.823198892	0.3152031	0.000698
cg26429783	chr1	North Shore	0.583181776	0.898346032	0.3151643	1.33E-05
cg14287742	chr1	Open Sea	0.607210206	0.921705442	0.3144952	1.31E-07
cg26153353	chr1	Open Sea	0.470293515	0.784611475	0.314318	0.003404
cg14212967	chr1	Open Sea	0.388471232	0.702008924	0.3135377	2.58E-07
cg05295584	chr1	Open Sea	0.561671323	0.874757553	0.3130862	4.27E-07
cg06640374	chr1	Open Sea	0.523152506	0.833568145	0.3104156	0.022418
cg06521247	chr1	Open Sea	0.615148719	0.92527028	0.3101216	3.11E-06

cg23260554	chr1	Open Sea	0.406584223	0.716640681	0.3100565	2.68E-08
cg04252762	chr1	South Shelf	0.564173207	0.874135125	0.3099619	2.06E-06
cg19411734	chr1	North Shelf	0.508761428	0.81857757	0.3098161	2.37E-05
cg11341981	chr1	North Shore	0.315353725	0.624235301	0.3088816	0.037219
cg26786407	chr1	Open Sea	0.539749394	0.847899451	0.3081501	0.003944
cg07419921	chr1	North Shelf	0.588394433	0.896434522	0.3080401	1.34E-05
cg10310168	chr1	Open Sea	0.499787463	0.806974421	0.307187	6.89E-06
cg06719042	chr1	Open Sea	0.411176554	0.717546219	0.3063697	0.010594
cg00713435	chr1	Open Sea	0.604447573	0.909546904	0.3050993	4.56E-05
cg06100240	chr1	Open Sea	0.537110258	0.841695312	0.3045851	0.036487
cg16401668	chr1	Open Sea	0.507946757	0.812409616	0.3044629	7.84E-05
cg24693760	chr1	Open Sea	0.274931716	0.57932143	0.3043897	2.7E-07
cg13909533	chr1	Open Sea	0.480902882	0.785186558	0.3042837	0.041065
cg05783585	chr1	Open Sea	0.543593613	0.847563932	0.3039703	7.66E-05
cg11388664	chr1	North Shore	0.560466297	0.864124088	0.3036578	0.000318
cg23660927	chr1	North Shelf	0.498699791	0.801266648	0.3025669	0.005422
cg07417683	chr1	Open Sea	0.382438521	0.684567727	0.3021292	1.27E-06
cg20966426	chr1	Open Sea	0.52028391	0.822263061	0.3019792	0.00749
cg21576886	chr1	Open Sea	0.41822729	0.719842674	0.3016154	0.033565
cg17518949	chr1	Open Sea	0.558923969	0.860461814	0.3015378	0.02291
cg13434489	chr1	Open Sea	0.536501135	0.837482465	0.3009813	2.02E-05
cg12220376	chr1	Open Sea	0.604934209	0.90582354	0.3008893	6.63E-05
cg17412901	chr1	South Shore	0.458024955	0.758696517	0.3006716	0.002379
cg12804677	chr1	North Shore	0.322372886	0.621561524	0.2991886	0.011197
cg14043702	chr1	Open Sea	0.554484453	0.853610111	0.2991257	0.000301
cg13410390	chr1	South Shore	0.519344909	0.817758894	0.298414	0.038167
cg15821544	chr1	South Shore	0.576279109	0.874585657	0.2983065	1.31E-06
cg06213763	chr1	Open Sea	0.282570449	0.58078782	0.2982174	0.041654
cg01556552	chr1	North Shelf	0.347902486	0.646010562	0.2981081	1.85E-05
cg07420232	chr1	Open Sea	0.635361844	0.933097842	0.297736	1.65E-07
cg26017484	chr1	Island	0.592453744	0.889820193	0.2973664	5.36E-06
cg09992376	chr1	Open Sea	0.604445167	0.901724903	0.2972797	2.02E-05
cg23228178	chr1	Open Sea	0.273838617	0.570181488	0.2963429	0.027487
cg10391102	chr1	South Shore	0.5881217	0.884121576	0.2959999	0.003051
cg03448635	chr1	North Shore	0.631443489	0.927096188	0.2956527	5.45E-05
cg06436573	chr1	Open Sea	0.551769225	0.847122201	0.295353	0.002009
cg07231911	chr1	Open Sea	0.526272606	0.821088129	0.2948155	1.94E-05
cg14844953	chr1	Open Sea	0.571852702	0.866592959	0.2947403	1.27E-08
cg17136275	chr1	Open Sea	0.336525134	0.631115859	0.2945907	1.76E-05
cg08921300	chr1	Open Sea	0.56823033	0.862748968	0.2945186	0.002081
cg13104257	chr1	North Shore	0.449681065	0.744129117	0.2944481	0.047938
cg17467525	chr1	North Shore	0.314724945	0.608627359	0.2939024	0.000183
cg03143457	chr1	Open Sea	0.52838463	0.821779669	0.293395	2.26E-05
cg04078221	chr1	North Shore	0.592735379	0.885841202	0.2931058	0.00095
cg00355656	chr1	North Shore	0.414262584	0.706651067	0.2923885	1.01E-06
cg26904179	chr1	Open Sea	0.567238527	0.859213929	0.2919754	7.7E-05
cg03937966	chr1	Island	0.473507652	0.765066565	0.2915589	2.78E-08
cg12811284	chr1	Open Sea	0.343394134	0.634844084	0.2914499	0.008318
cg19692782	chr1	Open Sea	0.416130374	0.706596558	0.2904662	0.001591
cg11147878	chr1	Open Sea	0.565643661	0.855717775	0.2900741	4.43E-05

cg10433805	chr1	South Shelf	0.547622436	0.837666336	0.2900439	0.046246
cg00706913	chr1	North Shore	0.503167526	0.793092434	0.2899249	0.021021
cg18770052	chr1	Open Sea	0.561426272	0.851028034	0.2896018	0.000258
cg10444224	chr1	South Shelf	0.520033755	0.80946927	0.2894355	0.013589
cg21810793	chr1	South Shelf	0.441919019	0.731110536	0.2891915	8.45E-08
cg19704073	chr1	North Shore	0.566733802	0.854951079	0.2882173	0.033444
cg19825974	chr1	North Shore	0.530192507	0.817911093	0.2877186	4.08E-08
cg25939869	chr1	Open Sea	0.568813379	0.855528287	0.2867149	0.006932
cg14731422	chr1	North Shore	0.461642704	0.748296872	0.2866542	0.030821
cg00030501	chr1	Open Sea	0.630533346	0.917168603	0.2866353	2.01E-05
cg01093088	chr1	Open Sea	0.481033269	0.767649186	0.2866159	0.002663
cg13216073	chr1	South Shore	0.60220001	0.888679931	0.2864799	1.26E-05
cg12524640	chr1	North Shore	0.544780252	0.831257411	0.2864772	0.016766
cg10516886	chr1	Open Sea	0.303741788	0.590012011	0.2862702	0.000893
cg07974025	chr1	South Shelf	0.563540661	0.849618746	0.2860781	1.01E-05
cg22082456	chr1	North Shore	0.554317289	0.840314085	0.2859968	2.93E-06
cg00421541	chr1	North Shelf	0.414324086	0.7001258	0.2858017	0.001202
cg19402335	chr1	Open Sea	0.600765778	0.886506037	0.2857403	9.51E-05
cg01343097	chr1	Open Sea	0.547954397	0.833548353	0.285594	3.22E-05
cg10100287	chr1	North Shelf	0.502358632	0.787912839	0.2855542	0.004216
cg20994118	chr1	Open Sea	0.338398279	0.623479349	0.2850811	1.63E-07
cg19939130	chr1	Open Sea	0.599038052	0.883873636	0.2848356	8.25E-05
cg08786003	chr1	Open Sea	0.5089545	0.793138951	0.2841845	0.006969
cg16572957	chr1	Open Sea	0.584904979	0.868703322	0.2837983	1.88E-06
cg17514199	chr1	Open Sea	0.534044302	0.817840117	0.2837958	0.01807
cg00251678	chr1	North Shore	0.368811229	0.652380153	0.2835689	0.001164
cg00958225	chr1	Open Sea	0.602082193	0.884925143	0.2828429	0.000819
cg05349159	chr1	South Shore	0.579738773	0.861570841	0.2818321	0.001724
cg18876728	chr1	Open Sea	0.557150155	0.83721437	0.2800642	0.000162
cg25286579	chr1	Open Sea	0.61280711	0.892842623	0.2800355	3.97E-05
cg11735242	chr1	Open Sea	0.603781129	0.883129404	0.2793483	0.000298
cg26933021	chr1	Open Sea	0.500786686	0.780117745	0.2793311	0.028782
cg17104202	chr1	North Shore	0.610477531	0.889733364	0.2792558	6.86E-05
cg22671342	chr1	Open Sea	0.630660253	0.909406433	0.2787462	2.21E-05
cg01789743	chr1	South Shelf	0.521262425	0.799970193	0.2787078	0.001868
cg05139571	chr1	Open Sea	0.574099081	0.851386348	0.2772873	1.2E-06
cg26276249	chr1	Open Sea	0.628741641	0.905811492	0.2770699	6.74E-05
cg01789501	chr1	Open Sea	0.432593462	0.709624155	0.2770307	4.47E-06
cg24602245	chr1	South Shelf	0.619324399	0.896271916	0.2769475	4.72E-07
cg26044566	chr1	Open Sea	0.620725709	0.89705312	0.2763274	0.001732
cg02835462	chr1	Open Sea	0.553782803	0.829955847	0.276173	0.03464
cg26328954	chr1	South Shore	0.566601667	0.842034399	0.2754327	0.010374
cg02886578	chr1	Open Sea	0.395006183	0.670386811	0.2753806	6.65E-05
cg22446206	chr1	Open Sea	0.317817815	0.593123278	0.2753055	0.026315
cg01445399	chr1	North Shore	0.598940733	0.873901934	0.2749612	0.003878
cg03322779	chr1	Open Sea	0.499479573	0.774173795	0.2746942	1.22E-05
cg26910384	chr1	South Shelf	0.455730823	0.730023056	0.2742922	7.76E-07
cg21208943	chr1	South Shore	0.532178392	0.806241723	0.2740633	0.002383
cg06961354	chr1	Open Sea	0.615517324	0.889263679	0.2737464	1.27E-05
cg20290850	chr1	Open Sea	0.579160037	0.852466482	0.2733064	0.000347

cg17455155	chr1	Island	0.485658564	0.758706194	0.2730476	0.005112
cg14153654	chr1	North Shore	0.213282259	0.48614637	0.2728641	0.000473
cg08423575	chr1	Open Sea	0.638297117	0.910311661	0.2720145	4.93E-05
cg16561256	chr1	South Shelf	0.536455113	0.808355672	0.2719006	5.93E-08
cg13799671	chr1	South Shelf	0.606294371	0.87813095	0.2718366	0.015744
cg24375626	chr1	Open Sea	0.554791628	0.826114981	0.2713234	0.001747
cg08529269	chr1	Open Sea	0.497587184	0.768567615	0.2709804	1.37E-05
cg25259754	chr1	Open Sea	0.364618259	0.635252546	0.2706343	1.89E-06
cg24361198	chr1	Open Sea	0.636564065	0.907032945	0.2704689	0.000495
cg17276450	chr1	Open Sea	0.606014079	0.876362239	0.2703482	0.001207
cg12921481	chr1	Open Sea	0.577473481	0.847627846	0.2701544	0.00704
cg03140624	chr1	Open Sea	0.630032121	0.898249232	0.2682171	1.55E-05
cg25008504	chr1	Open Sea	0.388924047	0.657096915	0.2681729	0.006265
cg23843022	chr1	Open Sea	0.601135774	0.869147252	0.2680115	0.022799
cg08733933	chr1	Open Sea	0.502678711	0.770175397	0.2674967	2.2E-07
cg25215194	chr1	South Shelf	0.459619476	0.726996436	0.267377	0.005994
cg04095498	chr1	Open Sea	0.614853361	0.882215807	0.2673624	0.011515
cg13987606	chr1	South Shore	0.555317157	0.822486584	0.2671694	0.044095
cg02449975	chr1	South Shelf	0.633090533	0.900037403	0.2669469	0.009863
cg13394110	chr1	Open Sea	0.585838202	0.852697817	0.2668596	0.00205
cg13471209	chr1	Open Sea	0.551360978	0.818075786	0.2667148	0.00017
cg06041466	chr1	Open Sea	0.620600826	0.887015953	0.2664151	0.00164
cg18231054	chr1	North Shore	0.589862119	0.856210417	0.2663483	0.000566
cg22037030	chr1	Open Sea	0.630581845	0.895841297	0.2652595	0.004192
cg13897222	chr1	Open Sea	0.648951261	0.914049164	0.2650979	2.01E-06
cg17025555	chr1	Open Sea	0.607641986	0.872250067	0.2646081	0.003502
cg21785245	chr1	Open Sea	0.621317799	0.885822314	0.2645045	7.04E-05
cg01071314	chr1	South Shelf	0.658122156	0.922622705	0.2645005	8.63E-05
cg13047196	chr1	Open Sea	0.584642332	0.849010862	0.2643685	1.87E-05
cg26858300	chr1	Open Sea	0.592395679	0.856400825	0.2640051	0.000207
cg18594482	chr1	North Shore	0.623920631	0.887506531	0.2635859	4.27E-08
cg09035152	chr1	Open Sea	0.583468016	0.846816004	0.263348	0.005944
cg03065165	chr1	Open Sea	0.568891681	0.832109567	0.2632179	1.74E-05
cg02338965	chr1	Open Sea	0.559554185	0.822150254	0.2625961	0.000268
cg16122793	chr1	Open Sea	0.4413585	0.703604119	0.2622456	0.000626
cg14696870	chr1	Open Sea	0.566128568	0.828168161	0.2620396	8.24E-05
cg03513309	chr1	Open Sea	0.567790088	0.829362927	0.2615728	0.017796
cg17824277	chr1	North Shore	0.607632983	0.869182103	0.2615491	0.000561
cg13923696	chr1	Island	0.663631118	0.92502716	0.261396	4.56E-05
cg25541621	chr1	Open Sea	0.583864938	0.844359538	0.2604946	0.004783
cg24307587	chr1	Open Sea	0.573345277	0.833127913	0.2597826	0.027553
cg15211996	chr1	North Shore	0.435886199	0.695609494	0.2597233	1.02E-05
cg17514168	chr1	Open Sea	0.56362331	0.823244821	0.2596215	4.04E-05
cg06836656	chr1	North Shore	0.563562	0.823038779	0.2594768	0.002777
cg16011217	chr1	Open Sea	0.569902235	0.829343112	0.2594409	0.032409
cg01800445	chr1	Open Sea	0.626838279	0.885887735	0.2590495	0.024064
cg02567289	chr1	South Shelf	0.561852529	0.820865976	0.2590134	0.040477
cg10586107	chr1	Open Sea	0.357969195	0.616231794	0.2582626	8.33E-05
cg19272720	chr1	Open Sea	0.58779238	0.845838398	0.258046	0.0006
cg05046722	chr1	Open Sea	0.418194887	0.6761687	0.2579738	6.36E-05

cg06966242	chr1	Island	0.602987705	0.860902667	0.257915	0.000133
cg18315861	chr1	Open Sea	0.472452004	0.729703258	0.2572513	0.028664
cg18140889	chr1	Open Sea	0.282490685	0.539731339	0.2572407	0.008885
cg14472778	chr1	South Shore	0.652687048	0.909800769	0.2571137	2.64E-05
cg09135754	chr1	Open Sea	0.550119487	0.806970825	0.2568513	1.16E-05
cg17739643	chr1	Open Sea	0.595324291	0.852172777	0.2568485	0.005122
cg17137218	chr1	Island	0.56949812	0.82611479	0.2566167	0.017888
cg17167920	chr1	Open Sea	0.56004556	0.816132164	0.2560866	0.000102
cg27632318	chr1	Open Sea	0.500860571	0.756761145	0.2559006	0.041621
cg12525949	chr1	South Shore	0.453027983	0.70854182	0.2555138	0.009889
cg09416903	chr1	Open Sea	0.640107299	0.895571309	0.255464	0.001662
cg16110704	chr1	South Shelf	0.262058685	0.517402358	0.2553437	4.97E-06
cg17277896	chr1	North Shore	0.455260396	0.7105941	0.2553337	0.001527
cg19404354	chr1	Open Sea	0.634856456	0.890102311	0.2552459	2.2E-05
cg16035777	chr1	Open Sea	0.515130808	0.76988362	0.2547528	0.001807
cg09586034	chr1	Open Sea	0.671292313	0.925822413	0.2545301	0.000278
cg10511357	chr1	Open Sea	0.518876471	0.772714428	0.253838	0.002904
cg10808936	chr1	Open Sea	0.632660537	0.886413264	0.2537527	7.76E-05
cg13875033	chr1	North Shelf	0.29084822	0.544596707	0.2537485	0.042679
cg03938015	chr1	Island	0.622497218	0.875999441	0.2535022	0.008646
cg16245868	chr1	Open Sea	0.629947296	0.883358046	0.2534107	3.83E-07
cg27058889	chr1	South Shore	0.558034421	0.81106871	0.2530343	0.011211
cg08933467	chr1	Open Sea	0.271314471	0.524168039	0.2528536	0.024396
cg08168529	chr1	Open Sea	0.628156551	0.880709583	0.252553	0.000177
cg04781796	chr1	Island	0.622433587	0.874912728	0.2524791	0.001114
cg08005208	chr1	South Shelf	0.459360359	0.711730571	0.2523702	0.009838
cg20978923	chr1	Open Sea	0.399315514	0.651136051	0.2518205	0.006355
cg05352668	chr1	Open Sea	0.534846353	0.786514686	0.2516683	0.00441
cg13100753	chr1	Open Sea	0.601032245	0.8523928	0.2513606	0.011115
cg16046833	chr1	Open Sea	0.485098027	0.736418025	0.25132	0.037689
cg04090867	chr1	Open Sea	0.563497953	0.814325187	0.2508272	0.048875
cg19870706	chr1	Open Sea	0.589500962	0.84029604	0.2507951	0.045482
cg25720825	chr1	North Shore	0.429338906	0.679800272	0.2504614	0.000177
cg01165362	chr1	Open Sea	0.522331443	0.772614223	0.2502828	8.59E-06
cg06837040	chr1	Open Sea	0.52786316	0.777853462	0.2499903	0.000427
cg05499890	chr1	Open Sea	0.569978044	0.819876647	0.2498986	0.004493
cg01939443	chr1	Open Sea	0.618603902	0.868301116	0.2496972	0.000346
cg11724759	chr1	Open Sea	0.619244772	0.867495826	0.2482511	0.028232
cg21443133	chr1	Open Sea	0.59475295	0.842981672	0.2482287	1.5E-05
cg06600287	chr1	South Shore	0.535716124	0.783563079	0.247847	0.026831
cg09448880	chr1	Open Sea	0.625783051	0.873537634	0.2477546	0.004116
cg19243842	chr1	North Shore	0.458184404	0.705536438	0.247352	0.006208
cg02576892	chr1	South Shelf	0.661351114	0.908530653	0.2471795	0.000834
cg22163011	chr1	Open Sea	0.665089867	0.912266525	0.2471767	4.35E-05
cg25603742	chr1	Open Sea	0.630018615	0.877109405	0.2470908	0.008425
cg20274673	chr1	Open Sea	0.65113989	0.8977649	0.246625	0.000826
cg02245566	chr1	Open Sea	0.585908793	0.832525032	0.2466162	0.000304
cg25067373	chr1	Open Sea	0.613336237	0.859668353	0.2463321	0.000303
cg05750926	chr1	Open Sea	0.582841106	0.829150649	0.2463095	1.21E-05
cg22013370	chr1	Open Sea	0.544625748	0.790554792	0.245929	1.19E-05

cg15557758	chr1	Open Sea	0.461844871	0.707418046	0.2455732	0.009877
cg04295372	chr1	Open Sea	0.455733251	0.701232165	0.2454989	0.014234
cg02736560	chr1	Open Sea	0.508451852	0.753901432	0.2454496	0.000579
cg06346954	chr1	Open Sea	0.640202324	0.885517852	0.2453155	0.001656
cg23658362	chr1	North Shore	0.691193761	0.936458553	0.2452648	1.35E-05
cg26337841	chr1	Open Sea	0.573057385	0.818222524	0.2451651	0.011241
cg25729466	chr1	Open Sea	0.67644943	0.92158969	0.2451403	8.6E-05
cg06711333	chr1	Open Sea	0.633696332	0.878511957	0.2448156	0.009568
cg03528325	chr1	Open Sea	0.63905243	0.88376105	0.2447086	0.000153
cg17440248	chr1	North Shore	0.587481575	0.832038215	0.2445566	0.010332
cg04239078	chr1	Open Sea	0.518155772	0.76244611	0.2442903	0.000825
cg10228857	chr1	Open Sea	0.64459157	0.88867067	0.2440791	0.001041
cg08865559	chr1	South Shore	0.615649685	0.859593465	0.2439438	0.009297
cg13397379	chr1	South Shelf	0.600699019	0.844561998	0.243863	0.000384
cg07837852	chr1	Open Sea	0.657623488	0.901230657	0.2436072	9.33E-05
cg10100437	chr1	South Shelf	0.509541791	0.753022089	0.2434803	0.031989
cg10504805	chr1	Island	0.570611759	0.814035286	0.2434235	5.45E-07
cg00804097	chr1	North Shore	0.685768493	0.928599952	0.2428315	4.09E-06
cg21221690	chr1	Open Sea	0.579166345	0.82131325	0.2421469	0.03565
cg05712300	chr1	Open Sea	0.665971827	0.907845201	0.2418734	0.00013
cg09473725	chr1	Open Sea	0.628952407	0.870708692	0.2417563	0.007611
cg04899446	chr1	Open Sea	0.574293234	0.816030176	0.2417369	0.000136
cg10701110	chr1	Open Sea	0.53220423	0.77376124	0.241557	4.75E-05
cg16059167	chr1	Open Sea	0.564473328	0.805918521	0.2414452	0.009211
cg21920303	chr1	Open Sea	0.49970024	0.740697552	0.2409973	0.020454
cg15203632	chr1	Open Sea	0.680051869	0.920944228	0.2408924	0.000196
cg00050294	chr1	Island	0.64944166	0.890220904	0.2407792	0.003542
cg21167817	chr1	South Shelf	0.713976205	0.954379024	0.2404028	5.81E-05
cg13840174	chr1	South Shore	0.402044081	0.642436049	0.240392	1.88E-05
cg16596889	chr1	South Shore	0.46074248	0.701100928	0.2403584	3.55E-05
cg11174769	chr1	Open Sea	0.689098551	0.929116201	0.2400177	0.000209
cg07363144	chr1	Open Sea	0.420523422	0.660432814	0.2399094	0.003663
cg06177278	chr1	North Shore	0.37624612	0.616096381	0.2398503	0.022679
cg20849957	chr1	Open Sea	0.615714887	0.8555405	0.2398256	8.31E-05
cg16576569	chr1	South Shelf	0.64824549	0.887987402	0.2397419	0.000325
cg23413307	chr1	Open Sea	0.573509728	0.813070081	0.2395604	0.002449
cg15203777	chr1	North Shore	0.492106723	0.731338428	0.2392317	0.004926
cg18936620	chr1	North Shelf	0.307012106	0.54586349	0.2388514	0.045477
cg00119186	chr1	Open Sea	0.681028542	0.919850718	0.2388222	0.000449
cg03106413	chr1	North Shore	0.587114617	0.825706231	0.2385916	0.007442
cg10556036	chr1	South Shore	0.37478742	0.613016523	0.2382291	0.009391
cg20932535	chr1	Open Sea	0.530523711	0.768582544	0.2380588	0.039578
cg23962746	chr1	Open Sea	0.611530941	0.849296456	0.2377655	0.001085
cg08244156	chr1	Open Sea	0.655629337	0.893260635	0.2376313	0.002495
cg17286074	chr1	Open Sea	0.564808279	0.802391849	0.2375836	0.000161
cg09174555	chr1	Open Sea	0.258854737	0.496392103	0.2375374	0.022357
cg24312874	chr1	Open Sea	0.522962234	0.760370029	0.2374078	7.06E-05
cg20320823	chr1	South Shelf	0.636942776	0.874230914	0.2372881	0.003191
cg12268236	chr1	Island	0.6576585	0.894747827	0.2370893	0.000165
cg02328713	chr1	North Shore	0.607821353	0.844790516	0.2369692	0.029312

cg23254163	chr1	Open Sea	0.636678624	0.873517887	0.2368393	0.001558
cg05922993	chr1	Open Sea	0.665829484	0.902666726	0.2368372	0.001643
cg05198938	chr1	Open Sea	0.477445359	0.714244583	0.2367992	0.034048
cg00168240	chr1	North Shelf	0.638946852	0.875737598	0.2367907	1.01E-06
cg08943293	chr1	North Shore	0.511450795	0.748135749	0.236685	3.73E-05
cg02920235	chr1	Open Sea	0.50691451	0.743098792	0.2361843	0.009705
cg10039160	chr1	Open Sea	0.653034049	0.889062121	0.2360281	0.001224
cg25840094	chr1	Open Sea	0.478789965	0.714617103	0.2358271	0.046079
cg10573643	chr1	North Shore	0.592242878	0.827926824	0.2356839	7.5E-05
cg07099084	chr1	South Shore	0.67363479	0.909135691	0.2355009	0.000241
cg06201717	chr1	Open Sea	0.634451726	0.869708289	0.2352566	0.000763
cg03580107	chr1	South Shelf	0.49881299	0.734050777	0.2352378	4.52E-05
cg09825327	chr1	South Shelf	0.638143758	0.873344669	0.2352009	0.000244
cg13056990	chr1	Open Sea	0.591141933	0.826079333	0.2349374	0.003358
cg24809845	chr1	Open Sea	0.617873166	0.852758075	0.2348849	0.000992
cg23887776	chr1	Island	0.649241251	0.884057423	0.2348162	0.000898
cg20003179	chr1	Open Sea	0.577423697	0.812186039	0.2347623	0.000157
cg07792636	chr1	South Shelf	0.612561153	0.847255665	0.2346945	0.024445
cg01443433	chr1	Open Sea	0.642649534	0.876865691	0.2342162	0.04837
cg03548170	chr1	Open Sea	0.623610176	0.857407891	0.2337977	0.014627
cg12045158	chr1	Open Sea	0.664044359	0.897837887	0.2337935	0.000172
cg00849570	chr1	North Shore	0.570295089	0.804068725	0.2337736	0.00566
cg20676475	chr1	Open Sea	0.629460789	0.863045065	0.2335843	0.002029
cg12176191	chr1	Open Sea	0.629455794	0.862861443	0.2334056	0.004964
cg22610434	chr1	Open Sea	0.535027052	0.768368517	0.2333415	7.6E-06
cg06712674	chr1	Open Sea	0.495326103	0.728306944	0.2329808	0.002391
cg24150662	chr1	Open Sea	0.644353904	0.877193008	0.2328391	0.003189
cg14420494	chr1	South Shore	0.669209658	0.90201767	0.232808	0.001096
cg16104276	chr1	North Shelf	0.632903083	0.865607082	0.232704	0.000507
cg22509057	chr1	Open Sea	0.640121806	0.872496377	0.2323746	0.00375
cg00944580	chr1	Open Sea	0.407112932	0.639450718	0.2323378	0.046438
cg06948937	chr1	North Shore	0.644880032	0.877060764	0.2321807	2.49E-05
cg19708201	chr1	Open Sea	0.631888915	0.864023262	0.2321343	0.000423
cg15447913	chr1	Open Sea	0.639765851	0.87175778	0.2319919	0.000198
cg14776910	chr1	South Shelf	0.534938067	0.766880963	0.2319429	0.00271
cg00954256	chr1	Open Sea	0.666867158	0.898743422	0.2318763	0.000433
cg15571882	chr1	North Shore	0.663096845	0.894769991	0.2316731	0.038388
cg27442839	chr1	Open Sea	0.64966734	0.881290943	0.2316236	3.48E-05
cg06348826	chr1	North Shelf	0.579986198	0.811284543	0.2312983	0.00101
cg03434085	chr1	South Shelf	0.554904855	0.78605765	0.2311528	0.007051
cg17987458	chr1	Open Sea	0.637756891	0.868095064	0.2303382	0.002863
cg02103822	chr1	Open Sea	0.599957267	0.830154837	0.2301976	0.001937
cg09509365	chr1	Open Sea	0.689782407	0.919642195	0.2298598	4.39E-07
cg14255644	chr1	Island	0.35497088	0.584700604	0.2297297	2.43E-05
cg11341440	chr1	Open Sea	0.616785798	0.846509577	0.2297238	9.42E-05
cg21140628	chr1	Open Sea	0.580690777	0.810304535	0.2296138	0.001034
cg09149672	chr1	Open Sea	0.653466879	0.883025076	0.2295582	0.002484
cg19164761	chr1	Open Sea	0.523361674	0.752710125	0.2293485	0.000121
cg18369654	chr1	South Shore	0.666842017	0.895948879	0.2291069	0.004195
cg14216734	chr1	Open Sea	0.64250855	0.871012003	0.2285035	0.000351



cg22792177	chr1	Island	0.595974832	0.824237956	0.2282631	6.01E-05
cg10626107	chr1	South Shelf	0.592584198	0.820440296	0.2278561	0.000112
cg23683497	chr1	Open Sea	0.53127425	0.758840709	0.2275665	0.000108
cg22601108	chr1	Open Sea	0.571764396	0.799076307	0.2273119	0.00417
cg01773689	chr1	Island	0.631271581	0.858078852	0.2268073	0.00104
cg26413691	chr1	North Shelf	0.508182346	0.734318163	0.2261358	0.002874
cg12408250	chr1	Open Sea	0.659679683	0.885404814	0.2257251	5.14E-05
cg14849855	chr1	Open Sea	0.606512061	0.8321376	0.2256255	0.042145
cg27447254	chr1	Open Sea	0.631883109	0.857452567	0.2255695	0.003416
cg09869595	chr1	Open Sea	0.656459679	0.881909303	0.2254496	0.005781
cg02242572	chr1	North Shore	0.554373444	0.779653833	0.2252804	0.004019
cg01074356	chr1	North Shelf	0.645678297	0.870623389	0.2249451	0.000436
cg06318676	chr1	Open Sea	0.654370325	0.87918026	0.2248099	3.37E-05
cg11837181	chr1	South Shore	0.355092926	0.579749197	0.2246563	0.000105
cg17504886	chr1	Open Sea	0.656827598	0.881364009	0.2245364	0.002143
cg22428027	chr1	Open Sea	0.54542619	0.769744719	0.2243185	0.026774
cg16926445	chr1	Open Sea	0.616959798	0.841257917	0.2242981	0.008773
cg03514188	chr1	Open Sea	0.638702848	0.862883491	0.2241806	0.005791
cg21267167	chr1	Open Sea	0.648787034	0.872592589	0.2238056	0.000766
cg21312148	chr1	Open Sea	0.649772006	0.873429555	0.2236575	0.000934
cg13490235	chr1	Open Sea	0.480795077	0.704439461	0.2236444	0.00942
cg11726474	chr1	Open Sea	0.705887174	0.92946989	0.2235827	5.2E-05
cg13689309	chr1	South Shelf	0.668812049	0.892110549	0.2232985	0.001307
cg01063509	chr1	Open Sea	0.533980711	0.756901	0.2229203	0.00276
cg20165545	chr1	South Shore	0.488838519	0.711501909	0.2226634	1.65E-05
cg08542181	chr1	Open Sea	0.425643541	0.64819404	0.2225505	0.001534
cg08919846	chr1	South Shore	0.611718064	0.834161829	0.2224438	0.000366
cg05229416	chr1	Island	0.618162077	0.840161913	0.2219998	0.045401
cg10381153	chr1	Open Sea	0.679632547	0.901032515	0.2214	5.34E-05
cg02487061	chr1	North Shelf	0.642854096	0.864188528	0.2213344	0.000993
cg08947445	chr1	Island	0.721985808	0.943248004	0.2212622	0.000124
cg15231462	chr1	Open Sea	0.563857536	0.784635398	0.2207779	0.000756
cg11585605	chr1	Open Sea	0.675982418	0.896748289	0.2207659	0.000222
cg19863456	chr1	North Shelf	0.57541259	0.79591414	0.2205016	0.011584
cg02760152	chr1	North Shore	0.54349132	0.763991231	0.2204999	8.52E-05
cg07109490	chr1	Island	0.671445543	0.891632043	0.2201865	1.29E-05
cg17483482	chr1	Open Sea	0.616767411	0.836778022	0.2200106	0.031498
cg12096707	chr1	South Shore	0.614630871	0.834017821	0.219387	0.001903
cg07348418	chr1	Open Sea	0.63625993	0.855533619	0.2192737	3.52E-05
cg22040158	chr1	South Shelf	0.455535618	0.674802604	0.219267	0.027171
cg01977798	chr1	Island	0.622969867	0.842071716	0.2191018	0.0031
cg11520395	chr1	South Shore	0.431155074	0.650149866	0.2189948	0.012766
cg11585670	chr1	North Shelf	0.673285933	0.892166247	0.2188803	0.002331
cg07706695	chr1	Open Sea	0.687301705	0.906178787	0.2188771	0.000789
cg11401908	chr1	Open Sea	0.640374155	0.859146585	0.2187724	8.59E-07
cg05046721	chr1	Open Sea	0.68816659	0.90663196	0.2184654	0.000549
cg00951310	chr1	North Shelf	0.583830523	0.801936253	0.2181057	0.000346
cg17108958	chr1	Open Sea	0.69984511	0.917613601	0.2177685	0.000598
cg26313337	chr1	Open Sea	0.539545722	0.757222482	0.2176768	1.34E-05
cg21012057	chr1	North Shelf	0.659501953	0.876983324	0.2174814	3.54E-05

cg05753486	chr1	Open Sea	0.690866814	0.908059205	0.2171924	0.00043
cg20745381	chr1	Open Sea	0.158932874	0.376034502	0.2171016	7.66E-06
cg15392364	chr1	Open Sea	0.675313815	0.892127998	0.2168142	0.01234
cg23086176	chr1	North Shelf	0.428795183	0.645593988	0.2167988	5.62E-05
cg11793106	chr1	North Shelf	0.598557938	0.814974026	0.2164161	0.002259
cg24539090	chr1	Open Sea	0.686942979	0.903066858	0.2161239	0.002468
cg09025393	chr1	South Shore	0.280822387	0.496904032	0.2160816	1.84E-05
cg25019567	chr1	Open Sea	0.705709127	0.921781826	0.2160727	0.000155
cg25411239	chr1	Open Sea	0.692173626	0.90822711	0.2160535	0.000709
cg01815536	chr1	Open Sea	0.696962963	0.912997071	0.2160341	0.000128
cg06868481	chr1	South Shelf	0.531111566	0.746937934	0.2158264	0.001905
cg20013688	chr1	South Shelf	0.662625186	0.878411458	0.2157863	0.002134
cg00983803	chr1	Open Sea	0.647771421	0.863444803	0.2156734	0.019291
cg25469314	chr1	Open Sea	0.67315404	0.888789965	0.2156359	2.66E-05
cg02743632	chr1	North Shore	0.591604228	0.807189761	0.2155855	0.000833
cg07159802	chr1	Open Sea	0.666788886	0.882363653	0.2155748	0.000226
cg14218629	chr1	North Shelf	0.415432179	0.630867291	0.2154351	1.96E-05
cg01550397	chr1	Open Sea	0.614996245	0.830167775	0.2151715	0.012105
cg25388738	chr1	Open Sea	0.715832957	0.93090646	0.2150735	0.000919
cg08238568	chr1	Open Sea	0.464198422	0.679146971	0.2149485	0.003579
cg21952052	chr1	Open Sea	0.178065796	0.392757405	0.2146916	0.048157
cg17890044	chr1	North Shelf	0.640197669	0.854725129	0.2145275	0.000181
cg04876124	chr1	North Shelf	0.705733926	0.919406672	0.2136727	1.14E-05
cg18318409	chr1	Open Sea	0.644251634	0.857862642	0.213611	0.001196
cg18196709	chr1	Open Sea	0.641577884	0.854388172	0.2128103	0.005045
cg14833337	chr1	Open Sea	0.66283685	0.875628069	0.2127912	0.002763
cg14777634	chr1	Open Sea	0.656368292	0.869119608	0.2127513	0.001209
cg17750109	chr1	Open Sea	0.57018655	0.782709637	0.2125231	0.036108
cg04599612	chr1	Open Sea	0.630337861	0.842130188	0.2117923	0.035862
cg23818827	chr1	Open Sea	0.687073466	0.898865197	0.2117917	0.002314
cg01507200	chr1	Open Sea	0.700802249	0.912292019	0.2114898	0.001059
cg18880500	chr1	North Shore	0.718314023	0.929740263	0.2114262	0.000107
cg03533858	chr1	South Shore	0.566116621	0.777508469	0.2113918	0.003296
cg17449759	chr1	Open Sea	0.612759105	0.824039476	0.2112804	0.045911
cg04972930	chr1	Open Sea	0.699821536	0.910831102	0.2110096	0.000465
cg13789673	chr1	Island	0.629537539	0.840496655	0.2109591	0.015978
cg21293216	chr1	Open Sea	0.347201056	0.557985697	0.2107846	0.045541
cg05366923	chr1	Open Sea	0.50889147	0.719605736	0.2107143	0.000933
cg24145935	chr1	Open Sea	0.666215912	0.876901365	0.2106855	0.014004
cg17466696	chr1	Open Sea	0.609707992	0.820132869	0.2104249	0.010369
cg01562897	chr1	South Shore	0.624426095	0.834734588	0.2103085	0.014173
cg21837826	chr1	South Shelf	0.447741125	0.657967558	0.2102264	0.041434
cg12765549	chr1	Open Sea	0.6798265	0.890050538	0.210224	0.001102
cg00954633	chr1	Open Sea	0.665646598	0.875846658	0.2102001	0.000405
cg02855850	chr1	Open Sea	0.58424258	0.794380792	0.2101382	0.001305
cg00003858	chr1	North Shelf	0.648227693	0.858238085	0.2100104	0.006537
cg04144606	chr1	Open Sea	0.671750062	0.881383409	0.2096333	0.012393
cg00859330	chr1	South Shelf	0.474006284	0.683359945	0.2093537	0.019827
cg20410409	chr1	Open Sea	0.66242438	0.871688437	0.2092641	0.009964
cg11388802	chr1	Open Sea	0.647026211	0.856108522	0.2090823	0.031113

cg26798702	chr1	North Shore	0.637309125	0.846369348	0.2090602	7.85E-06
cg09221035	chr1	South Shore	0.6267467	0.835607391	0.2088607	0.041977
cg08529744	chr1	Open Sea	0.279410309	0.488202057	0.2087917	0.020362
cg23219336	chr1	Open Sea	0.676580004	0.885229395	0.2086494	0.0013
cg22451632	chr1	Open Sea	0.551848594	0.760240447	0.2083919	0.000596
cg01971120	chr1	Open Sea	0.697312742	0.905620191	0.2083074	0.002206
cg16895814	chr1	North Shelf	0.487352311	0.69546246	0.2081101	0.000658
cg21813377	chr1	Island	0.56090659	0.768981163	0.2080746	0.006737
cg03053290	chr1	North Shore	0.688929384	0.896969539	0.2080402	0.000345
cg06275635	chr1	Open Sea	0.53387709	0.74175287	0.2078758	0.015098
cg00716660	chr1	North Shore	0.626733961	0.834096757	0.2073628	0.00066
cg09154062	chr1	Open Sea	0.448209222	0.655235027	0.2070258	6.95E-05
cg20245116	chr1	Open Sea	0.659900283	0.866760364	0.2068601	0.037316
cg16814688	chr1	Open Sea	0.566350797	0.772922253	0.2065715	0.022358
cg10975391	chr1	Open Sea	0.611297818	0.81769875	0.2064009	0.007474
cg03328107	chr1	Open Sea	0.662821249	0.869091191	0.2062699	1.8E-05
cg16524818	chr1	Open Sea	0.693620742	0.899869059	0.2062483	0.001116
cg09256413	chr1	Open Sea	0.679090325	0.88501685	0.2059265	7.59E-05
cg01364826	chr1	Open Sea	0.579231737	0.78514689	0.2059152	0.00467
cg24678869	chr1	South Shore	0.513539852	0.719159161	0.2056193	0.044627
cg26513818	chr1	North Shelf	0.492038976	0.697502703	0.2054637	0.013997
cg24719489	chr1	Open Sea	0.600859791	0.806265892	0.2054061	0.001347
cg22367631	chr1	North Shore	0.271856746	0.477155482	0.2052987	0.041823
cg26910132	chr1	Open Sea	0.654161818	0.859411048	0.2052492	0.005674
cg26060667	chr1	North Shore	0.466842614	0.671651749	0.2048091	0.030495
cg00379090	chr1	South Shore	0.595930405	0.800721514	0.2047911	0.007075
cg06951112	chr1	North Shelf	0.482331307	0.687073063	0.2047418	0.000154
cg24411075	chr1	North Shore	0.692387553	0.896982624	0.2045951	0.000934
cg02079463	chr1	Open Sea	0.692087086	0.896621704	0.2045346	0.003263
cg08242576	chr1	Open Sea	0.666509862	0.870960015	0.2044502	0.001025
cg21159274	chr1	South Shore	0.704077633	0.908293097	0.2042155	0.000703
cg20570030	chr1	South Shelf	0.62237927	0.825835585	0.2034563	0.027616
cg12636785	chr1	North Shelf	0.360379524	0.563818416	0.2034389	0.000603
cg25783497	chr1	Island	0.680303472	0.883696088	0.2033926	0.014417
cg21912203	chr1	Open Sea	0.649290336	0.852403492	0.2031132	0.009771
cg14826683	chr1	Open Sea	0.706938136	0.910044983	0.2031068	0.004962
cg14838566	chr1	Open Sea	0.649947817	0.852884175	0.2029364	0.001149
cg13058453	chr1	Open Sea	0.46090617	0.663787125	0.202881	0.008967
cg10521808	chr1	Open Sea	0.711987223	0.914707426	0.2027202	0.002766
cg15642933	chr1	North Shelf	0.6969349	0.899159883	0.202225	0.001615
cg02913918	chr1	Island	0.724874111	0.926850727	0.2019766	0.000591
cg06970571	chr1	Open Sea	0.666669987	0.868558796	0.2018888	0.000669
cg04198912	chr1	North Shore	0.562050562	0.763773332	0.2017228	0.008635
cg26605712	chr1	Open Sea	0.710441769	0.911610478	0.2011687	0.003174
cg18268488	chr1	Open Sea	0.687882083	0.888981239	0.2010992	0.000849
cg27053493	chr1	Open Sea	0.685736387	0.88649844	0.2007621	0.003995
cg15641565	chr1	North Shelf	0.63490423	0.835661017	0.2007568	0.008798
cg22389654	chr1	Open Sea	0.700471487	0.901223248	0.2007518	0.020276
cg22379576	chr1	North Shelf	0.688343102	0.88891197	0.2005689	0.000171
cg01019262	chr1	North Shelf	0.638113621	0.838602665	0.200489	0.034004

cg04489573	chr1	Open Sea	0.678717248	0.879048906	0.2003317	0.000335
cg13209335	chr1	North Shelf	0.695971036	0.896254882	0.2002838	3.46E-05
cg17136696	chr1	North Shelf	0.704746752	0.904808192	0.2000614	0.00021
cg27320518	chr10	Open Sea	0.38959644	0.840805359	0.4512089	0.006456
cg15342452	chr10	Open Sea	0.396745098	0.83581972	0.4390746	3.59E-05
cg06188083	chr10	Open Sea	0.373209484	0.805693592	0.4324841	0.036072
cg06532387	chr10	Open Sea	0.521501777	0.938639943	0.4171382	4.27E-09
cg24672116	chr10	Open Sea	0.47623931	0.89276372	0.4165244	7.95E-10
cg13695746	chr10	Open Sea	0.457066883	0.861195414	0.4041285	5.38E-10
cg12108265	chr10	North Shelf	0.503518371	0.904034589	0.4005162	1.81E-09
cg04683516	chr10	Open Sea	0.369600059	0.764566523	0.3949665	0.027677
cg13382516	chr10	Open Sea	0.481404428	0.869932769	0.3885283	9.01E-09
cg02684562	chr10	Open Sea	0.251837157	0.630107689	0.3782705	0.041064
cg04716580	chr10	North Shelf	0.573597777	0.946904001	0.3733062	2.29E-13
cg03379552	chr10	Open Sea	0.400369891	0.769792608	0.3694227	0.018042
cg11601663	chr10	Open Sea	0.412320528	0.778165259	0.3658447	0.023118
cg26261270	chr10	Open Sea	0.510691329	0.87619511	0.3655038	0.00477
cg26002370	chr10	Open Sea	0.51286518	0.85838267	0.3455175	0.004584
cg23397013	chr10	Open Sea	0.453705069	0.797502792	0.3437977	7.13E-08
cg27009448	chr10	Open Sea	0.598459237	0.938994308	0.3405351	6.31E-07
cg18531916	chr10	Open Sea	0.486717839	0.82312264	0.3364048	4.96E-05
cg04037905	chr10	North Shelf	0.593296756	0.926460408	0.3331637	1.75E-07
cg16132139	chr10	North Shore	0.541660325	0.874807537	0.3331472	2.51E-05
cg09357462	chr10	South Shore	0.391351748	0.722290073	0.3309383	0.001061
cg26426690	chr10	Open Sea	0.298587434	0.627737415	0.32915	3.56E-07
cg23621929	chr10	Open Sea	0.585589373	0.913582054	0.3279927	1.67E-08
cg17713910	chr10	Open Sea	0.461645511	0.789341885	0.3276964	0.002794
cg06474179	chr10	Open Sea	0.554876827	0.880930517	0.3260537	2.31E-07
cg19700682	chr10	South Shelf	0.427046092	0.753000807	0.3259547	0.008219
cg09863094	chr10	North Shelf	0.597260669	0.919998082	0.3227374	4.19E-09
cg01300641	chr10	Open Sea	0.511662655	0.829203444	0.3175408	0.000463
cg27394794	chr10	Open Sea	0.39808935	0.715364504	0.3172752	0.009775
cg19817126	chr10	Open Sea	0.527957746	0.845217914	0.3172602	5.47E-06
cg15583029	chr10	Open Sea	0.350958101	0.663736706	0.3127786	0.019986
cg18325866	chr10	South Shelf	0.490880266	0.80190665	0.3110264	3.58E-06
cg12756527	chr10	Open Sea	0.522525649	0.832045742	0.3095201	9.26E-06
cg10376731	chr10	North Shore	0.638950931	0.946966207	0.3080153	3.48E-06
cg21364615	chr10	South Shelf	0.56825307	0.874372716	0.3061196	9.89E-06
cg09355528	chr10	Open Sea	0.363345587	0.663249833	0.2999042	8.75E-05
cg15462970	chr10	Open Sea	0.500150032	0.796102067	0.295952	0.01771
cg27270412	chr10	North Shore	0.520124174	0.815096638	0.2949725	0.041768
cg13610622	chr10	North Shore	0.588553167	0.882854813	0.2943016	0.000158
cg11344164	chr10	South Shelf	0.414531439	0.708253611	0.2937222	0.033063
cg20093139	chr10	Open Sea	0.517395651	0.809457464	0.2920618	0.025456
cg05489054	chr10	Open Sea	0.511590313	0.803580044	0.2919897	2.02E-06
cg04481603	chr10	South Shore	0.306143873	0.596318855	0.290175	0.007805
cg18426908	chr10	Open Sea	0.609599009	0.898938475	0.2893395	9.13E-07
cg00464520	chr10	South Shelf	0.472516321	0.761548242	0.2890319	0.006938
cg14236430	chr10	Open Sea	0.613318912	0.902204862	0.288886	3.59E-06
cg26869417	chr10	Open Sea	0.521595235	0.809229099	0.2876339	9.07E-06

cg19860121	chr10	Open Sea	0.604088242	0.891156873	0.2870686	0.017202
cg23720528	chr10	Open Sea	0.621887369	0.908917031	0.2870297	8.73E-07
cg09352815	chr10	North Shore	0.611695815	0.895258427	0.2835626	6.14E-06
cg19090784	chr10	North Shore	0.590426518	0.873072495	0.282646	4.9E-05
cg18061319	chr10	North Shore	0.558145878	0.839824889	0.281679	5.98E-09
cg14539856	chr10	Open Sea	0.413378637	0.693879072	0.2805004	0.001541
cg20200460	chr10	Open Sea	0.449233296	0.728357102	0.2791238	5.81E-05
cg03631457	chr10	Open Sea	0.465553826	0.743917044	0.2783632	0.028761
cg02350790	chr10	Open Sea	0.574288936	0.851216056	0.2769271	0.002698
cg13799081	chr10	Open Sea	0.518891473	0.795572413	0.2766809	0.041914
cg01042100	chr10	South Shelf	0.510500669	0.786024355	0.2755237	0.002894
cg16123687	chr10	Open Sea	0.672495346	0.947202961	0.2747076	3.31E-05
cg23640411	chr10	South Shelf	0.604644763	0.879199619	0.2745549	4.68E-05
cg08489478	chr10	South Shelf	0.641513439	0.914948094	0.2734347	0.000167
cg15480200	chr10	Open Sea	0.570366317	0.842846595	0.2724803	0.008092
cg14015765	chr10	Open Sea	0.272550187	0.544785944	0.2722358	0.014956
cg19253850	chr10	Open Sea	0.540341525	0.811750831	0.2714093	0.001268
cg00241002	chr10	Open Sea	0.301142139	0.571413895	0.2702718	0.004695
cg05759948	chr10	Open Sea	0.478869688	0.747442516	0.2685728	6.84E-05
cg26094484	chr10	South Shore	0.468042123	0.736050374	0.2680083	0.000237
cg24385652	chr10	Open Sea	0.469947754	0.736433397	0.2664856	0.002641
cg24110396	chr10	Open Sea	0.358224322	0.622543061	0.2643187	0.019818
cg14218275	chr10	Open Sea	0.655615582	0.919630826	0.2640152	0.000336
cg16794749	chr10	North Shelf	0.626592652	0.889399898	0.2628072	3.08E-05
cg06431514	chr10	Open Sea	0.588324244	0.850720346	0.2623961	0.003756
cg19024161	chr10	Open Sea	0.562128443	0.82406166	0.2619332	0.001802
cg05755354	chr10	Open Sea	0.59757451	0.859318123	0.2617436	0.013023
cg04549524	chr10	Open Sea	0.489169952	0.74983564	0.2606657	1.24E-05
cg20094831	chr10	North Shelf	0.581075795	0.841291844	0.260216	0.000197
cg09647352	chr10	Open Sea	0.662998945	0.923135921	0.260137	8.17E-05
cg09501025	chr10	Open Sea	0.645238029	0.905169212	0.2599312	0.000305
cg03308038	chr10	Open Sea	0.558507302	0.818409223	0.2599019	0.00116
cg19635695	chr10	Open Sea	0.560687259	0.820208638	0.2595214	0.010991
cg23725924	chr10	Open Sea	0.504454987	0.763264026	0.258809	0.00406
cg26028149	chr10	South Shelf	0.601112426	0.859667085	0.2585547	0.000364
cg17402103	chr10	Open Sea	0.596933873	0.85362387	0.25669	0.002094
cg11397476	chr10	Open Sea	0.593421015	0.849198213	0.2557772	8.99E-05
cg23322812	chr10	South Shore	0.63945139	0.894410495	0.2549591	5.79E-05
cg03628800	chr10	North Shelf	0.442683501	0.696439435	0.2537559	3.99E-06
cg06511701	chr10	Open Sea	0.585272109	0.838545828	0.2532737	0.001414
cg14120919	chr10	Open Sea	0.284484384	0.53761758	0.2531332	8.91E-08
cg11608646	chr10	Island	0.64335237	0.896287637	0.2529353	0.000433
cg00936935	chr10	Open Sea	0.652834589	0.905491895	0.2526573	0.000101
cg14338073	chr10	Open Sea	0.590083559	0.842605321	0.2525218	0.008962
cg05208747	chr10	North Shelf	0.542877188	0.794950034	0.2520728	0.000175
cg16624994	chr10	Open Sea	0.61196898	0.863331835	0.2513629	0.000146
cg24201941	chr10	Open Sea	0.488095491	0.738890232	0.2507947	2.74E-05
cg06740578	chr10	Open Sea	0.582187305	0.832831821	0.2506445	0.042848
cg06417385	chr10	Open Sea	0.532969476	0.783084209	0.2501147	2.85E-05
cg04625975	chr10	Open Sea	0.514240837	0.762912296	0.2486715	0.000107

cg00538888	chr10	North Shelf	0.664698094	0.912817423	0.2481193	0.000832
cg12167057	chr10	Open Sea	0.591891425	0.839743796	0.2478524	0.00105
cg08457332	chr10	South Shelf	0.664175599	0.911531715	0.2473561	8.14E-05
cg00088504	chr10	Open Sea	0.624359115	0.871464873	0.2471058	0.00092
cg18456331	chr10	North Shelf	0.607310716	0.854371512	0.2470608	0.000304
cg20345915	chr10	Open Sea	0.577067959	0.823343804	0.2462758	4.68E-05
cg25403283	chr10	Open Sea	0.680367636	0.926211542	0.2458439	0.00021
cg11002119	chr10	Open Sea	0.598384512	0.843942965	0.2455585	0.004423
cg24647506	chr10	Open Sea	0.564555292	0.809934917	0.2453796	0.000468
cg23900225	chr10	North Shelf	0.609398719	0.854062566	0.2446638	0.020726
cg05787063	chr10	Open Sea	0.606154648	0.850612716	0.2444581	0.004639
cg20681321	chr10	Open Sea	0.68930759	0.933738668	0.2444311	0.000505
cg02542748	chr10	Open Sea	0.654004782	0.897829474	0.2438247	0.009751
cg17833578	chr10	Open Sea	0.561722817	0.804960987	0.2432382	0.015296
cg17689601	chr10	Open Sea	0.656811799	0.899902795	0.243091	0.000141
cg11181587	chr10	South Shore	0.519451844	0.762255251	0.2428034	0.015031
cg27009439	chr10	Open Sea	0.588300962	0.83103861	0.2427376	0.001592
cg03478630	chr10	Open Sea	0.525269318	0.766747675	0.2414784	0.042154
cg23631669	chr10	Open Sea	0.561858666	0.801657667	0.239799	0.004529
cg11136386	chr10	North Shelf	0.639574914	0.878587728	0.2390128	0.017694
cg09859564	chr10	Open Sea	0.612866578	0.851343626	0.238477	1.85E-05
cg15186969	chr10	South Shelf	0.631756967	0.869986569	0.2382296	0.001476
cg04850779	chr10	Open Sea	0.607096598	0.844165278	0.2370687	8.7E-05
cg06374610	chr10	Open Sea	0.463740636	0.700760572	0.2370199	0.036593
cg08598287	chr10	North Shore	0.549612208	0.785724747	0.2361125	0.000905
cg08907956	chr10	South Shore	0.563458185	0.799045746	0.2355876	0.017803
cg04103847	chr10	Open Sea	0.472758388	0.708061065	0.2353027	0.0003
cg15910307	chr10	South Shore	0.562268801	0.795676102	0.2334073	0.001084
cg07877987	chr10	Open Sea	0.564036418	0.796394944	0.2323585	0.007911
cg07694404	chr10	Open Sea	0.679167546	0.911158786	0.2319912	0.043725
cg12743419	chr10	Open Sea	0.503870504	0.73561546	0.231745	5.41E-05
cg05951296	chr10	Open Sea	0.643154555	0.874766317	0.2316118	0.01681
cg12799846	chr10	South Shelf	0.619854934	0.850919719	0.2310648	0.00699
cg09155024	chr10	Open Sea	0.618541897	0.849293972	0.2307521	0.000126
cg06787206	chr10	Open Sea	0.495575826	0.72541853	0.2298427	0.000734
cg08993079	chr10	Open Sea	0.653936117	0.883716791	0.2297807	0.015025
cg02132307	chr10	Open Sea	0.526226172	0.755369986	0.2291438	2.04E-06
cg16792160	chr10	Open Sea	0.554234914	0.783337437	0.2291025	0.001615
cg00495658	chr10	South Shelf	0.454682606	0.683034212	0.2283516	1.89E-05
cg25144149	chr10	North Shore	0.451244144	0.679548754	0.2283046	0.00292
cg11447573	chr10	Open Sea	0.582784307	0.811006852	0.2282225	3.44E-05
cg26017408	chr10	North Shelf	0.661486619	0.889695948	0.2282093	0.002947
cg12589188	chr10	North Shelf	0.500437529	0.728468032	0.2280305	0.000447
cg05131347	chr10	North Shelf	0.645607349	0.873424228	0.2278169	0.000279
cg05021029	chr10	Open Sea	0.60615477	0.833623255	0.2274685	0.000815
cg02878385	chr10	Open Sea	0.630853219	0.858111641	0.2272584	0.000277
cg18433009	chr10	North Shore	0.635661094	0.862888165	0.2272271	0.024842
cg05162358	chr10	Open Sea	0.675230234	0.901325642	0.2260954	0.000195
cg17373022	chr10	Open Sea	0.537171417	0.763222731	0.2260513	0.002959
cg00748911	chr10	Open Sea	0.635250582	0.861241671	0.2259911	3.71E-05

cg12793525	chr10	North Shelf	0.589431557	0.815229627	0.2257981	0.027875
cg00956114	chr10	South Shelf	0.67768822	0.902991116	0.2253029	5.09E-05
cg09925467	chr10	Open Sea	0.61762229	0.841642801	0.2240205	0.03311
cg09639430	chr10	Island	0.418996438	0.642713085	0.2237166	0.002357
cg11635029	chr10	Open Sea	0.664622817	0.888141267	0.2235184	0.03544
cg15650161	chr10	Open Sea	0.576402906	0.798734574	0.2223317	0.001722
cg04752992	chr10	Open Sea	0.713216927	0.935148684	0.2219318	0.000159
cg10821813	chr10	Open Sea	0.68603268	0.907867168	0.2218345	0.001451
cg14119527	chr10	Open Sea	0.611728128	0.833556984	0.2218289	0.005431
cg05256765	chr10	Open Sea	0.600378767	0.821738248	0.2213595	0.013947
cg02764250	chr10	Open Sea	0.663458533	0.883968571	0.22051	0.000228
cg12338657	chr10	Open Sea	0.522900052	0.743279605	0.2203796	0.000179
cg16954727	chr10	Open Sea	0.658501192	0.87831496	0.2198138	0.012583
cg25207366	chr10	Open Sea	0.630297411	0.849005562	0.2187082	0.014168
cg26372765	chr10	North Shore	0.716998175	0.935677877	0.2186797	0.000278
cg14961117	chr10	Open Sea	0.654279914	0.872932296	0.2186524	0.035045
cg19854704	chr10	South Shore	0.654891053	0.873483927	0.2185929	0.004211
cg18822598	chr10	Open Sea	0.574030785	0.790399638	0.2163689	0.007991
cg16001913	chr10	Open Sea	0.642293217	0.858149484	0.2158563	0.008249
cg24691332	chr10	Open Sea	0.615158355	0.830622549	0.2154642	0.030651
cg09577691	chr10	Open Sea	0.663711378	0.878640427	0.214929	0.002832
cg20715048	chr10	Open Sea	0.635814136	0.850587733	0.2147736	0.027221
cg26725862	chr10	South Shore	0.5571813	0.771273671	0.2140924	9.28E-05
cg24798956	chr10	Open Sea	0.465061237	0.679104376	0.2140431	0.013522
cg07372450	chr10	Open Sea	0.605847882	0.819373576	0.2135257	0.000461
cg03253489	chr10	South Shelf	0.469415714	0.682738891	0.2133232	1.15E-05
cg26652266	chr10	Open Sea	0.597467317	0.809946162	0.2124788	0.001971
cg20730333	chr10	Open Sea	0.562459972	0.774857049	0.2123971	0.011966
cg20453042	chr10	Open Sea	0.675424121	0.887262516	0.2118384	0.00083
cg09701700	chr10	South Shelf	0.199408415	0.410969349	0.2115609	6.86E-07
cg11065917	chr10	Open Sea	0.706432514	0.9178985	0.211466	7.12E-05
cg24020806	chr10	North Shore	0.68818975	0.899492051	0.2113023	0.001059
cg08552446	chr10	Open Sea	0.689419418	0.900282703	0.2108633	4.22E-05
cg19439651	chr10	Island	0.667518152	0.878341698	0.2108235	0.000573
cg04276302	chr10	South Shelf	0.522255006	0.733038075	0.2107831	0.023864
cg15115960	chr10	Island	0.686304415	0.897052974	0.2107486	0.005503
cg17849530	chr10	Open Sea	0.58630266	0.796864009	0.2105613	0.006875
cg08781681	chr10	North Shelf	0.673404098	0.883172757	0.2097687	0.007901
cg25380207	chr10	Open Sea	0.681889658	0.891351436	0.2094618	0.000114
cg17836236	chr10	Open Sea	0.719172201	0.928622558	0.2094504	0.000978
cg25471987	chr10	Open Sea	0.692900029	0.901514082	0.2086141	0.000387
cg19717640	chr10	Open Sea	0.498072812	0.706601148	0.2085283	0.000352
cg13792641	chr10	Open Sea	0.553276992	0.761675	0.208398	0.004481
cg15280358	chr10	Open Sea	0.537880563	0.746243211	0.2083626	0.027267
cg14366292	chr10	Open Sea	0.669516249	0.877562223	0.208046	0.007362
cg17179923	chr10	North Shore	0.589506694	0.797392226	0.2078855	0.011084
cg19760458	chr10	North Shore	0.57060509	0.777712528	0.2071074	0.003489
cg10542123	chr10	Open Sea	0.671946035	0.878956085	0.2070101	0.021268
cg17266275	chr10	Open Sea	0.709478093	0.91634096	0.2068629	0.000364
cg22601415	chr10	Open Sea	0.603482726	0.810302089	0.2068194	0.028888

cg26901096	chr10	Open Sea	0.668489905	0.875199366	0.2067095	0.000276
cg03480068	chr10	Open Sea	0.6694067	0.87601382	0.2066071	0.001821
cg27382910	chr10	Open Sea	0.36208972	0.568425151	0.2063354	0.021481
cg17273837	chr10	Open Sea	0.635951121	0.842220775	0.2062697	0.00221
cg09009466	chr10	Open Sea	0.514851268	0.721108211	0.2062569	0.000545
cg26070333	chr10	Open Sea	0.627768925	0.83355898	0.2057901	0.004946
cg00002449	chr10	South Shelf	0.704904124	0.909900947	0.2049968	0.000332
cg16652747	chr10	Open Sea	0.606590763	0.811405335	0.2048146	0.000367
cg03273183	chr10	Open Sea	0.72800096	0.932753989	0.204753	0.000523
cg08363001	chr10	Open Sea	0.685425339	0.890158266	0.2047329	0.000119
cg13375636	chr10	Open Sea	0.596633939	0.801319591	0.2046857	0.000244
cg11404502	chr10	Open Sea	0.607326883	0.811841996	0.2045151	1.41E-05
cg15334916	chr10	South Shore	0.681417271	0.885736204	0.2043189	0.03569
cg04881751	chr10	South Shore	0.695160756	0.898753639	0.2035929	0.030206
cg05005367	chr10	South Shelf	0.641120739	0.844660644	0.2035399	0.042701
cg06834005	chr10	Open Sea	0.577290418	0.780646105	0.2033557	0.003018
cg16885557	chr10	Open Sea	0.5576041	0.76012017	0.2025161	0.006237
cg26345613	chr10	Open Sea	0.551574925	0.754003292	0.2024284	0.023633
cg07206497	chr10	Open Sea	0.635254807	0.837543833	0.202289	0.000636
cg26917256	chr10	Open Sea	0.62024489	0.821815847	0.201571	0.016082
cg00075956	chr10	Open Sea	0.605524075	0.807013433	0.2014894	0.007377
cg27617132	chr10	South Shelf	0.748911353	0.950359081	0.2014477	0.00021
cg18292394	chr10	Open Sea	0.41011064	0.61129532	0.2011847	0.011933
cg22542222	chr10	Open Sea	0.58993533	0.791005579	0.2010702	0.00081
cg03009785	chr10	Open Sea	0.601636827	0.802700475	0.2010636	0.024936
cg02980650	chr10	North Shelf	0.687780428	0.888704408	0.200924	2.46E-05
cg22782105	chr10	Open Sea	0.650352316	0.851224431	0.2008721	0.002546
cg20655761	chr10	Open Sea	0.486785193	0.687509504	0.2007243	5.97E-05
cg20198183	chr10	Open Sea	0.643342994	0.843944234	0.2006012	0.000589
cg23590472	chr10	North Shelf	0.686905647	0.887185128	0.2002795	0.000968
cg16829924	chr11	Open Sea	0.309548567	0.774606391	0.4650578	2.96E-05
cg00554604	chr11	Island	0.46118	0.913168912	0.4519889	2.33E-07
cg00243661	chr11	Open Sea	0.446778125	0.881028051	0.4342499	4.3E-10
cg11272874	chr11	Open Sea	0.469206084	0.900037647	0.4308316	7.6E-09
cg16197643	chr11	Island	0.34840722	0.772088157	0.4236809	0.02944
cg16878549	chr11	Open Sea	0.420675381	0.82548282	0.4048074	0.035949
cg23759189	chr11	Open Sea	0.447296723	0.846815673	0.3995189	1.29E-07
cg09611599	chr11	North Shelf	0.4818102	0.879487627	0.3976774	2.45E-05
cg13844463	chr11	North Shelf	0.198640373	0.596155557	0.3975152	0.002321
cg18352935	chr11	Open Sea	0.392730395	0.786686968	0.3939566	9.91E-08
cg02853387	chr11	Open Sea	0.359590768	0.751955147	0.3923644	0.045706
cg10512089	chr11	Open Sea	0.373312213	0.760484393	0.3871722	0.00995
cg21765235	chr11	Open Sea	0.407155941	0.791666606	0.3845107	0.00086
cg02058483	chr11	South Shore	0.510672028	0.893653906	0.3829819	2.92E-06
cg26159860	chr11	Open Sea	0.443049657	0.825125161	0.3820755	0.008797
cg22226680	chr11	Open Sea	0.446525439	0.827488042	0.3809626	1.42E-06
cg07349899	chr11	Open Sea	0.494434422	0.872309275	0.3778749	0.006691
cg11015348	chr11	Open Sea	0.406832257	0.783065481	0.3762332	0.025682
cg11173246	chr11	North Shore	0.431356588	0.804042396	0.3726858	0.000647
cg01718479	chr11	Open Sea	0.322660899	0.694089037	0.3714281	0.04823



cg06993494	chr11	Open Sea	0.543388738	0.913497166	0.3701084	4.25E-06
cg01966922	chr11	Open Sea	0.509643969	0.878273876	0.3686299	8.28E-07
cg05343512	chr11	Open Sea	0.312684413	0.680751047	0.3680666	2.08E-07
cg11828741	chr11	Open Sea	0.528013518	0.895089138	0.3670756	9.98E-07
cg10378819	chr11	Open Sea	0.567945192	0.933422897	0.3654777	1.1E-06
cg20910746	chr11	Open Sea	0.547343505	0.911253919	0.3639104	9.15E-08
cg17120792	chr11	Open Sea	0.401674935	0.764988166	0.3633132	2.1E-07
cg21578457	chr11	Open Sea	0.46855866	0.829922414	0.3613638	1.78E-07
cg20181079	chr11	Open Sea	0.498198125	0.857281746	0.3590836	0.000182
cg23694605	chr11	South Shelf	0.466556712	0.825002978	0.3584463	0.049874
cg21923959	chr11	Open Sea	0.441139648	0.796632318	0.3554927	0.043184
cg05889171	chr11	South Shore	0.406398331	0.761834359	0.355436	0.00021
cg12365402	chr11	Open Sea	0.498918647	0.852862873	0.3539442	2.33E-07
cg07237926	chr11	South Shore	0.392277115	0.745346648	0.3530695	4.86E-07
cg07782221	chr11	Open Sea	0.479019054	0.830181647	0.3511626	4.36E-09
cg15672653	chr11	South Shelf	0.290386757	0.641309585	0.3509228	0.001993
cg01664929	chr11	Open Sea	0.531556248	0.882370166	0.3508139	2.67E-06
cg05405389	chr11	Open Sea	0.410795698	0.760214443	0.3494187	0.001806
cg01832325	chr11	Open Sea	0.421643251	0.768947709	0.3473045	0.001128
cg05600421	chr11	Open Sea	0.436976879	0.781633025	0.3446561	5E-05
cg02613300	chr11	Open Sea	0.45868957	0.803094201	0.3444046	0.049638
cg23077606	chr11	Open Sea	0.467966278	0.811248555	0.3432823	8E-05
cg02929780	chr11	Open Sea	0.4779994	0.820282343	0.3422829	4.85E-08
cg26871279	chr11	South Shore	0.510499732	0.851377662	0.3408779	9.29E-11
cg02277453	chr11	Open Sea	0.428614061	0.768723905	0.3401098	1.54E-06
cg20284999	chr11	Open Sea	0.519329928	0.859112679	0.3397828	9.26E-05
cg18431486	chr11	Open Sea	0.585128299	0.924701473	0.3395732	3.7E-05
cg04691233	chr11	Open Sea	0.533820472	0.870890265	0.3370698	0.000121
cg23217386	chr11	Open Sea	0.544834284	0.88066895	0.3358347	1.24E-06
cg10986946	chr11	Open Sea	0.385267778	0.720725938	0.3354582	9.61E-07
cg05798059	chr11	Open Sea	0.499004422	0.83444796	0.3354435	0.009433
cg26110281	chr11	Open Sea	0.520342917	0.855286927	0.334944	0.002732
cg08470031	chr11	South Shore	0.487132001	0.8220317	0.3348997	0.000268
cg25877512	chr11	Open Sea	0.411261015	0.745717258	0.3344562	3.45E-07
cg01605366	chr11	Open Sea	0.357488382	0.691690268	0.3342019	0.028416
cg16739463	chr11	Open Sea	0.50453062	0.837632551	0.3331019	4.84E-05
cg23741006	chr11	Open Sea	0.344671269	0.676995235	0.332324	0.008731
cg02574022	chr11	Open Sea	0.465678625	0.796780301	0.3311017	6.33E-09
cg16757456	chr11	Open Sea	0.407783811	0.738850914	0.3310671	8.41E-07
cg00621646	chr11	Open Sea	0.45705195	0.787789492	0.3307375	0.000167
cg12493906	chr11	Open Sea	0.553843498	0.883736857	0.3298934	5.1E-06
cg11371231	chr11	Open Sea	0.491009974	0.820792919	0.3297829	0.04771
cg03068446	chr11	Open Sea	0.556821712	0.885248471	0.3284268	0.000579
cg18080819	chr11	North Shelf	0.483027835	0.811271302	0.3282435	0.002
cg23330212	chr11	Open Sea	0.456566727	0.783524066	0.3269573	1.34E-05
cg19621338	chr11	Open Sea	0.575719356	0.902296338	0.326577	2.06E-06
cg23828593	chr11	Open Sea	0.581152646	0.907617758	0.3264651	2.73E-06
cg02150262	chr11	Open Sea	0.502679412	0.828787881	0.3261085	7.26E-06
cg14569837	chr11	Open Sea	0.539402934	0.864722674	0.3253197	0.010624
cg02118564	chr11	Open Sea	0.477824132	0.802362286	0.3245382	1.33E-06

cg00264754	chr11	Open Sea	0.555466523	0.87972812	0.3242616	2.41E-05
cg18589858	chr11	Open Sea	0.555168897	0.879213846	0.3240449	0.014119
cg04182215	chr11	North Shore	0.592431388	0.913881084	0.3214497	1.44E-06
cg16409259	chr11	South Shore	0.600809311	0.922148227	0.3213389	2.79E-07
cg05506209	chr11	Open Sea	0.573099632	0.892658186	0.3195586	1.46E-05
cg17603909	chr11	Open Sea	0.495653729	0.814881127	0.3192274	0.000324
cg05788927	chr11	Open Sea	0.464044072	0.78272244	0.3186784	0.000175
cg26626251	chr11	North Shelf	0.472444968	0.789800952	0.317356	0.045745
cg16697433	chr11	Open Sea	0.559028542	0.876223837	0.3171953	0.031032
cg01104306	chr11	Open Sea	0.405024534	0.72166554	0.316641	0.002282
cg27135510	chr11	South Shore	0.493862704	0.809854701	0.315992	0.005099
cg01404122	chr11	Open Sea	0.541731471	0.857074912	0.3153434	0.016006
cg01575601	chr11	Open Sea	0.513104397	0.828316452	0.3152121	0.000228
cg13917863	chr11	Open Sea	0.578430314	0.892561663	0.3141313	7.74E-05
cg00250805	chr11	South Shore	0.583866561	0.897449781	0.3135832	0.002062
cg11537479	chr11	Open Sea	0.561676687	0.875157439	0.3134808	0.017835
cg25747935	chr11	Open Sea	0.426124113	0.737979726	0.3118556	0.008093
cg02540833	chr11	North Shore	0.551362286	0.863043857	0.3116816	1.22E-05
cg12593634	chr11	Open Sea	0.426481645	0.737960819	0.3114792	7.17E-06
cg01557260	chr11	North Shore	0.610013513	0.920982409	0.3109689	8.03E-06
cg07470968	chr11	Open Sea	0.543040332	0.853628776	0.3105884	2.99E-05
cg11731238	chr11	Open Sea	0.61638509	0.926596622	0.3102115	2.16E-05
cg27420123	chr11	Open Sea	0.438604582	0.748535878	0.3099313	0.017581
cg21197233	chr11	North Shelf	0.605594204	0.914638333	0.3090441	1.91E-05
cg09667650	chr11	Open Sea	0.557848681	0.865552108	0.3077034	1.49E-05
cg24652956	chr11	Open Sea	0.603772296	0.910498632	0.3067263	2.29E-05
cg05922911	chr11	Open Sea	0.573821961	0.880196447	0.3063745	0.000296
cg26226988	chr11	South Shore	0.40690166	0.712714436	0.3058128	6.25E-08
cg05327192	chr11	North Shelf	0.567837199	0.873189063	0.3053519	0.008484
cg10416861	chr11	Open Sea	0.518610508	0.822382331	0.3037718	0.036577
cg17022830	chr11	Open Sea	0.547852357	0.851518738	0.3036664	0.023898
cg03799230	chr11	Open Sea	0.533880857	0.836679517	0.3027987	5.89E-05
cg24517989	chr11	Open Sea	0.50240717	0.804536791	0.3021296	0.014919
cg10573143	chr11	Open Sea	0.54143742	0.842622391	0.301185	9.15E-05
cg09905416	chr11	Open Sea	0.473763181	0.774685548	0.3009224	0.010054
cg03316101	chr11	Open Sea	0.378486562	0.679351803	0.3008652	0.002607
cg00385194	chr11	Open Sea	0.551120826	0.851566572	0.3004457	0.004459
cg04756168	chr11	Open Sea	0.617728353	0.918117647	0.3003893	0.000123
cg08426891	chr11	Open Sea	0.511484305	0.811838472	0.3003542	1.14E-05
cg21758962	chr11	Open Sea	0.483360161	0.783267824	0.2999077	1.94E-05
cg14269191	chr11	Open Sea	0.544350515	0.843918947	0.2995684	7.05E-05
cg11983942	chr11	Open Sea	0.363581097	0.662720885	0.2991398	0.021317
cg24360034	chr11	Open Sea	0.483655753	0.781845527	0.2981898	0.03269
cg22794244	chr11	Open Sea	0.458904831	0.756667335	0.2977625	0.000233
cg05941106	chr11	Open Sea	0.580420449	0.877281873	0.2968614	0.000309
cg20176971	chr11	South Shelf	0.477475874	0.774143777	0.2966679	0.002761
cg08835992	chr11	Open Sea	0.515637968	0.811496833	0.2958589	0.000329
cg24925945	chr11	Open Sea	0.605319738	0.900754374	0.2954346	0.000211
cg08505647	chr11	Open Sea	0.450841028	0.746007667	0.2951666	0.000262
cg05468843	chr11	South Shore	0.187271322	0.481835862	0.2945645	2.8E-08

cg01882535	chr11	Open Sea	0.580962634	0.87275522	0.2917926	0.0004
cg23194364	chr11	Open Sea	0.471458743	0.76254737	0.2910886	0.011497
cg22719992	chr11	Open Sea	0.563374083	0.853679532	0.2903054	1.56E-05
cg23652093	chr11	Open Sea	0.630859097	0.920245504	0.2893864	2.05E-05
cg14801518	chr11	North Shore	0.624570204	0.913865519	0.2892953	2.69E-06
cg06847157	chr11	South Shore	0.635293796	0.924513894	0.2892201	1.27E-05
cg20288916	chr11	Open Sea	0.535666018	0.824588406	0.2889224	0.000321
cg20338426	chr11	Open Sea	0.471053787	0.758553994	0.2875002	0.017297
cg24964796	chr11	Open Sea	0.645988053	0.93281409	0.286826	4.23E-06
cg04330874	chr11	Open Sea	0.544157414	0.830964952	0.2868075	0.021816
cg10499172	chr11	North Shore	0.406378059	0.693100639	0.2867226	0.001343
cg19485748	chr11	Open Sea	0.304779681	0.590568346	0.2857887	0.000364
cg15909725	chr11	Open Sea	0.616297688	0.901591925	0.2852942	1.29E-05
cg12187358	chr11	Open Sea	0.555735472	0.840041154	0.2843057	7.04E-05
cg11281320	chr11	Open Sea	0.554299776	0.838400566	0.2841008	0.000383
cg25678587	chr11	Open Sea	0.446854041	0.730190704	0.2833367	0.018263
cg18788940	chr11	North Shore	0.394072962	0.677003819	0.2829309	0.023864
cg04913291	chr11	Open Sea	0.472172386	0.754625393	0.282453	0.000231
cg05340269	chr11	Open Sea	0.390753822	0.6716942	0.2809404	0.000775
cg07101980	chr11	Open Sea	0.565984769	0.84600858	0.2800238	1.07E-07
cg03825175	chr11	North Shore	0.61528595	0.895006903	0.279721	4.25E-06
cg23561531	chr11	Open Sea	0.387777365	0.667102492	0.2793251	6.42E-07
cg08095183	chr11	Open Sea	0.628471805	0.907325894	0.2788541	0.000791
cg10832281	chr11	Open Sea	0.44900291	0.726460679	0.2774578	0.013676
cg09623623	chr11	Open Sea	0.582027951	0.859448078	0.2774201	0.000295
cg01998856	chr11	Open Sea	0.337357429	0.614632499	0.2772751	0.006295
cg21786381	chr11	North Shelf	0.579536721	0.855593181	0.2760565	0.013599
cg09923978	chr11	Open Sea	0.568264788	0.843783798	0.275519	0.002789
cg24402151	chr11	Open Sea	0.575546097	0.850798202	0.2752521	0.028989
cg21961694	chr11	Open Sea	0.475498208	0.750126749	0.2746285	0.013089
cg26914334	chr11	Open Sea	0.521677823	0.794677213	0.2729994	0.005035
cg20322837	chr11	Open Sea	0.533592849	0.805264487	0.2716716	0.00047
cg25749341	chr11	Open Sea	0.619932039	0.890771298	0.2708393	0.00427
cg20311730	chr11	Open Sea	0.593211565	0.863889318	0.2706778	0.00095
cg03292992	chr11	South Shore	0.335809752	0.605278565	0.2694688	0.033474
cg20157095	chr11	Open Sea	0.556618381	0.825928025	0.2693096	0.016071
cg26085520	chr11	Open Sea	0.575506346	0.844658588	0.2691522	0.001357
cg05316601	chr11	Open Sea	0.62205288	0.890592056	0.2685392	1.09E-05
cg10911054	chr11	Open Sea	0.460690559	0.729157305	0.2684667	0.004126
cg19270623	chr11	North Shelf	0.482196613	0.75061052	0.2684139	0.007621
cg02635370	chr11	Open Sea	0.592034357	0.860215835	0.2681815	2.47E-05
cg13869366	chr11	Open Sea	0.30076136	0.568920103	0.2681587	0.001159
cg17001627	chr11	North Shore	0.451311193	0.719426419	0.2681152	0.023142
cg09419192	chr11	Open Sea	0.610289813	0.87792364	0.2676338	1.81E-05
cg18205787	chr11	South Shelf	0.421217221	0.688583423	0.2673662	0.014233
cg05223210	chr11	Open Sea	0.404537766	0.671832475	0.2672947	0.007407
cg17685019	chr11	Open Sea	0.3627622	0.629424501	0.2666623	0.001414
cg06577521	chr11	South Shore	0.595505047	0.861833048	0.266328	1.13E-05
cg03236627	chr11	Open Sea	0.599835491	0.866088573	0.2662531	0.000447
cg26966434	chr11	North Shelf	0.631440729	0.897181709	0.265741	0.000196

cg19507805	chr11	Open Sea	0.632243418	0.897769916	0.2655265	5.57E-05
cg10135474	chr11	Open Sea	0.454097296	0.719623075	0.2655258	0.001625
cg26275110	chr11	North Shore	0.486952881	0.752427998	0.2654751	0.035109
cg24882525	chr11	South Shore	0.642660412	0.908080832	0.2654204	0.002611
cg05586607	chr11	North Shelf	0.39953363	0.664349004	0.2648154	4.57E-05
cg22812280	chr11	Open Sea	0.611064459	0.875190448	0.264126	0.000122
cg27630678	chr11	South Shore	0.683352075	0.947194623	0.2638425	5.23E-05
cg01522592	chr11	North Shore	0.468910475	0.732670711	0.2637602	0.04394
cg12125173	chr11	Open Sea	0.36476243	0.628475123	0.2637127	0.002045
cg03823352	chr11	Open Sea	0.511310845	0.774640188	0.2633293	0.002452
cg06881914	chr11	Open Sea	0.43245809	0.695648458	0.2631904	0.001782
cg23852348	chr11	North Shelf	0.450505574	0.71357736	0.2630718	0.009969
cg22712403	chr11	South Shore	0.492863262	0.755693941	0.2628307	1.68E-05
cg03348161	chr11	Open Sea	0.479965007	0.742551726	0.2625867	0.001233
cg25346904	chr11	Open Sea	0.559820403	0.821680709	0.2618603	0.000134
cg23206745	chr11	Open Sea	0.523408615	0.784257355	0.2608487	0.005257
cg16244299	chr11	Open Sea	0.636928129	0.897738858	0.2608107	1.12E-05
cg16446783	chr11	Open Sea	0.40936187	0.669753618	0.2603917	0.026191
cg04926380	chr11	Open Sea	0.569912433	0.829443127	0.2595307	2.47E-05
cg25800328	chr11	North Shore	0.523897452	0.783118143	0.2592207	0.003922
cg16626063	chr11	Open Sea	0.468931251	0.727734852	0.2588036	0.007804
cg17667592	chr11	Open Sea	0.609182185	0.867911707	0.2587295	5.68E-05
cg21736476	chr11	Open Sea	0.43391446	0.692457252	0.2585428	0.00028
cg26698819	chr11	Open Sea	0.61645884	0.874793257	0.2583344	0.004289
cg06483559	chr11	Open Sea	0.467458276	0.725773129	0.2583149	9.23E-07
cg05032957	chr11	Open Sea	0.416658556	0.674376035	0.2577175	0.000111
cg05055844	chr11	Open Sea	0.541175847	0.798766152	0.2575903	0.021947
cg02536065	chr11	Open Sea	0.567163857	0.824536614	0.2573728	0.006932
cg22358121	chr11	South Shore	0.400121792	0.657082615	0.2569608	0.040397
cg17164345	chr11	Open Sea	0.425319331	0.682074894	0.2567556	0.044804
cg19940482	chr11	Open Sea	0.580245197	0.836633392	0.2563882	3.39E-06
cg13844500	chr11	Open Sea	0.630296653	0.886639779	0.2563431	5.27E-05
cg27303733	chr11	North Shore	0.531535036	0.787519522	0.2559845	0.006225
cg11807356	chr11	Open Sea	0.566659695	0.822534106	0.2558744	0.000139
cg20480740	chr11	Open Sea	0.548694752	0.804263705	0.255569	0.000359
cg22968167	chr11	Open Sea	0.63419095	0.888797779	0.2546068	6.17E-05
cg16592378	chr11	Open Sea	0.510995162	0.765031246	0.2540361	0.032919
cg11682774	chr11	Open Sea	0.652875293	0.906492031	0.2536167	8.9E-05
cg01135800	chr11	Open Sea	0.4760632	0.729058844	0.2529956	0.000349
cg11077392	chr11	Open Sea	0.328558701	0.581527366	0.2529687	0.000107
cg04458776	chr11	Open Sea	0.480370467	0.7332169	0.2528464	0.012533
cg20733250	chr11	Open Sea	0.614805916	0.867183333	0.2523774	0.006353
cg27062927	chr11	Open Sea	0.668153075	0.920159431	0.2520064	0.000122
cg08227141	chr11	Open Sea	0.49634891	0.74781016	0.2514613	0.000917
cg13706611	chr11	Open Sea	0.557021781	0.808461117	0.2514393	1.55E-06
cg23054121	chr11	South Shore	0.59693828	0.84764876	0.2507105	0.017854
cg19193135	chr11	Open Sea	0.601836512	0.851460055	0.2496235	3.1E-05
cg04861489	chr11	Open Sea	0.636101143	0.885464488	0.2493633	3.33E-05
cg02101485	chr11	Open Sea	0.637356487	0.886691225	0.2493347	3.71E-05
cg23692386	chr11	Open Sea	0.649768359	0.89899855	0.2492302	8.35E-06

cg25937565	chr11	Open Sea	0.601416374	0.850341995	0.2489256	0.001441
cg10972932	chr11	Open Sea	0.509116623	0.757939955	0.2488233	6.01E-05
cg25967612	chr11	Open Sea	0.466516483	0.715321829	0.2488053	0.038981
cg04063166	chr11	North Shelf	0.212299552	0.461020159	0.2487206	0.000243
cg11051429	chr11	Open Sea	0.634051137	0.882401776	0.2483506	0.000326
cg20714968	chr11	South Shelf	0.445318196	0.693475551	0.2481574	0.00035
cg16698575	chr11	Open Sea	0.615792691	0.863893566	0.2481009	0.009098
cg17426084	chr11	South Shore	0.47797979	0.726027832	0.248048	0.000596
cg04750099	chr11	Open Sea	0.526431348	0.774413751	0.2479824	2.07E-06
cg05862393	chr11	Open Sea	0.576655372	0.82451787	0.2478625	0.00472
cg10092198	chr11	Open Sea	0.399176353	0.646376001	0.2471996	0.000178
cg08608126	chr11	Open Sea	0.596445567	0.842980582	0.246535	7.46E-05
cg17559156	chr11	South Shelf	0.683781423	0.930298645	0.2465172	2E-05
cg23520574	chr11	Open Sea	0.606093811	0.852400924	0.2463071	0.0003
cg06593118	chr11	Open Sea	0.65530232	0.90152791	0.2462256	0.000146
cg21693437	chr11	South Shelf	0.648996517	0.894685795	0.2456893	0.00122
cg19814100	chr11	Open Sea	0.639584533	0.885050318	0.2454658	7.2E-06
cg09074338	chr11	North Shelf	0.493828901	0.739259878	0.245431	3.67E-05
cg04339947	chr11	Open Sea	0.420949458	0.664733434	0.243784	0.009628
cg22222663	chr11	Open Sea	0.474904497	0.71792999	0.2430255	0.008554
cg14051368	chr11	North Shore	0.27394378	0.51676037	0.2428166	2.06E-08
cg13280803	chr11	Open Sea	0.389175283	0.631754667	0.2425794	0.00151
cg09552510	chr11	Open Sea	0.441789612	0.684366013	0.2425764	0.02797
cg18406570	chr11	Open Sea	0.586563876	0.829028176	0.2424643	0.00071
cg24758816	chr11	North Shore	0.596363048	0.838724236	0.2423612	0.019946
cg23208430	chr11	Open Sea	0.329632333	0.571788953	0.2421566	0.030713
cg12672540	chr11	South Shore	0.564751502	0.806612664	0.2418612	0.000221
cg06797734	chr11	Island	0.477473817	0.719092062	0.2416182	0.002086
cg27533472	chr11	Open Sea	0.630510907	0.872027653	0.2415167	0.000315
cg25327296	chr11	Open Sea	0.497928336	0.738792073	0.2408637	0.000744
cg13313616	chr11	Open Sea	0.627719439	0.868358427	0.240639	0.001875
cg08357627	chr11	North Shelf	0.533272123	0.773748656	0.2404765	0.000183
cg15159060	chr11	Open Sea	0.33200628	0.57242077	0.2404145	0.023439
cg25022311	chr11	North Shelf	0.587393715	0.82773261	0.2403389	0.004893
cg06225242	chr11	Open Sea	0.674299828	0.914539845	0.24024	0.002238
cg14660328	chr11	Open Sea	0.61186499	0.852057301	0.2401923	0.005382
cg23851685	chr11	Open Sea	0.556970615	0.797101189	0.2401306	0.000563
cg13427189	chr11	Open Sea	0.526271235	0.766370248	0.240099	2.99E-05
cg02688359	chr11	Open Sea	0.600118454	0.840213995	0.2400955	0.038876
cg22183731	chr11	South Shelf	0.632308105	0.872073395	0.2397653	0.007735
cg22622123	chr11	South Shore	0.648395991	0.888131015	0.239735	0.00017
cg25227672	chr11	Open Sea	0.457900691	0.697541867	0.2396412	0.001315
cg01890712	chr11	Open Sea	0.638406385	0.877999946	0.2395936	0.022486
cg22791045	chr11	Open Sea	0.61519871	0.854657564	0.2394589	0.00205
cg16908944	chr11	Open Sea	0.667669321	0.906534629	0.2388653	2.76E-05
cg09430223	chr11	Island	0.554284282	0.793118078	0.2388338	1.23E-07
cg00446697	chr11	Open Sea	0.636516326	0.875228702	0.2387124	0.001336
cg10704680	chr11	Open Sea	0.452943291	0.691611406	0.2386681	7.31E-05
cg05233816	chr11	Open Sea	0.645860681	0.884445678	0.238585	0.000124
cg17678645	chr11	South Shore	0.472698855	0.71108143	0.2383826	2.6E-05

cg12750151	chr11	Open Sea	0.261587775	0.499892404	0.2383046	0.008361
cg10361765	chr11	Open Sea	0.399856823	0.637566109	0.2377093	0.01572
cg06582250	chr11	Open Sea	0.614257108	0.851317183	0.2370601	1.79E-05
cg17578131	chr11	South Shelf	0.37677884	0.613066594	0.2362878	0.009903
cg16638248	chr11	Open Sea	0.393086714	0.629232554	0.2361458	0.000157
cg10890346	chr11	Open Sea	0.410753575	0.645882994	0.2351294	3.3E-05
cg14098737	chr11	Open Sea	0.674359021	0.909325896	0.2349669	0.000426
cg08948964	chr11	Open Sea	0.633514871	0.86845473	0.2349399	0.001123
cg05702234	chr11	Open Sea	0.635580923	0.870183314	0.2346024	0.000546
cg02023548	chr11	Open Sea	0.502137806	0.736707976	0.2345702	0.00086
cg20733108	chr11	Open Sea	0.604147832	0.838384774	0.2342369	0.000642
cg18987103	chr11	South Shore	0.526713638	0.760618618	0.233905	0.0275
cg23132327	chr11	Open Sea	0.648074801	0.881908254	0.2338335	9.17E-05
cg09807524	chr11	South Shelf	0.646821118	0.880375433	0.2335543	0.021456
cg07616094	chr11	Open Sea	0.611706875	0.84524506	0.2335382	0.001733
cg05658811	chr11	Open Sea	0.408145867	0.641295361	0.2331495	0.016398
cg21719418	chr11	Open Sea	0.631273313	0.864160476	0.2328872	4.91E-05
cg03587117	chr11	Open Sea	0.576026682	0.807696739	0.2316701	0.008022
cg23832825	chr11	Open Sea	0.704528746	0.936195345	0.2316666	0.000709
cg01297180	chr11	North Shore	0.45366596	0.68513608	0.2314701	0.013252
cg06457534	chr11	Open Sea	0.668373257	0.89929124	0.230918	0.000503
cg06174078	chr11	Open Sea	0.625745642	0.855135228	0.2293896	0.004046
cg26429499	chr11	Island	0.393050453	0.622421848	0.2293714	0.000415
cg15542639	chr11	Open Sea	0.676361117	0.905692049	0.2293309	1.59E-05
cg03566682	chr11	Open Sea	0.673468504	0.902627841	0.2291593	0.00417
cg27214378	chr11	Open Sea	0.608153635	0.837286395	0.2291328	0.000642
cg25092764	chr11	Open Sea	0.677959465	0.906596481	0.228637	0.000525
cg16608656	chr11	North Shore	0.306105044	0.534726098	0.2286211	0.006894
cg08331163	chr11	Open Sea	0.55511373	0.783413572	0.2282998	0.000162
cg14023329	chr11	Open Sea	0.553591709	0.781562432	0.2279707	0.000472
cg16589461	chr11	South Shore	0.643525554	0.871339942	0.2278144	0.006843
cg02037905	chr11	Open Sea	0.615115486	0.842614872	0.2274994	0.013363
cg06698926	chr11	Open Sea	0.437469831	0.664606416	0.2271366	3.81E-06
cg03861143	chr11	Open Sea	0.62184284	0.848970102	0.2271273	8.97E-05
cg08772028	chr11	Open Sea	0.39163245	0.618532867	0.2269004	0.029404
cg06466839	chr11	Open Sea	0.430865507	0.65756358	0.2266981	0.001841
cg12819873	chr11	Open Sea	0.644965666	0.871144656	0.226179	6.9E-05
cg06118609	chr11	Open Sea	0.574863161	0.800823878	0.2259607	0.00272
cg23756005	chr11	Open Sea	0.610227074	0.836182967	0.2259559	0.016976
cg22802812	chr11	Open Sea	0.691349312	0.91725149	0.2259022	1.16E-05
cg17033359	chr11	Open Sea	0.380965272	0.606670568	0.2257053	2.93E-05
cg26328687	chr11	Open Sea	0.199764295	0.425418312	0.225654	0.001163
cg05280255	chr11	North Shelf	0.700804069	0.926289278	0.2254852	0.000268
cg08344485	chr11	Open Sea	0.650119473	0.875535245	0.2254158	0.006715
cg02200642	chr11	Open Sea	0.624626977	0.849789846	0.2251629	0.004857
cg24258347	chr11	North Shore	0.639203742	0.86387582	0.2246721	0.002196
cg04230073	chr11	North Shore	0.552616114	0.777168928	0.2245528	1.15E-05
cg02697979	chr11	Open Sea	0.448107948	0.672637619	0.2245297	0.004689
cg09913813	chr11	Open Sea	0.410645175	0.634997175	0.224352	2.4E-06
cg25481454	chr11	Open Sea	0.601430756	0.825710715	0.22428	0.00242

cg07170641	chr11	Open Sea	0.610305052	0.834155596	0.2238505	0.00047
cg10027639	chr11	Open Sea	0.450592915	0.67430914	0.2237162	0.015513
cg06268956	chr11	South Shore	0.533668486	0.757299828	0.2236313	0.003232
cg03402922	chr11	Open Sea	0.622001501	0.845428966	0.2234275	1.39E-06
cg27629782	chr11	Open Sea	0.641393036	0.864612926	0.2232199	0.00744
cg06417518	chr11	North Shelf	0.697911691	0.920530146	0.2226185	0.000669
cg05820396	chr11	Open Sea	0.489981419	0.712504123	0.2225227	0.031998
cg05709458	chr11	North Shelf	0.635779796	0.858043596	0.2222638	0.004667
cg24258886	chr11	South Shelf	0.693537831	0.915799235	0.2222614	6.38E-05
cg24921031	chr11	Open Sea	0.572438683	0.794664187	0.2222255	0.000724
cg11189022	chr11	Open Sea	0.652271641	0.874131581	0.2218599	0.000956
cg04511463	chr11	Open Sea	0.705378408	0.927212037	0.2218336	0.000109
cg06869755	chr11	North Shore	0.586592242	0.808133526	0.2215413	0.000253
cg00562107	chr11	Open Sea	0.598962165	0.820071815	0.2211096	0.0221
cg13071185	chr11	South Shore	0.495032299	0.715894673	0.2208624	9.02E-06
cg05921138	chr11	Open Sea	0.67932628	0.900177624	0.2208513	0.004637
cg25754143	chr11	South Shelf	0.497136765	0.717859859	0.2207231	0.002529
cg15102387	chr11	Open Sea	0.495839469	0.716430483	0.220591	0.001195
cg19828846	chr11	Open Sea	0.464301645	0.684848307	0.2205467	0.042546
cg20178075	chr11	Open Sea	0.595259149	0.815563262	0.2203041	0.004782
cg03209130	chr11	Open Sea	0.65974421	0.879546474	0.2198023	0.000413
cg06842181	chr11	Open Sea	0.452256318	0.671997459	0.2197411	0.00671
cg23810463	chr11	Open Sea	0.544762234	0.764433276	0.219671	0.014903
cg15500466	chr11	South Shelf	0.66236294	0.881901399	0.2195385	0.028362
cg02873384	chr11	Open Sea	0.393936249	0.613362094	0.2194258	1E-06
cg14813258	chr11	Open Sea	0.677303282	0.896359318	0.219056	0.000245
cg07453773	chr11	Open Sea	0.662405624	0.881411628	0.219006	3.06E-05
cg25262147	chr11	Open Sea	0.585730308	0.804539107	0.2188088	0.002334
cg24360747	chr11	North Shelf	0.618234704	0.836860221	0.2186255	0.005057
cg08919594	chr11	Open Sea	0.647166495	0.865308292	0.2181418	0.001173
cg06834698	chr11	Open Sea	0.623812952	0.841758966	0.217946	0.001685
cg14926715	chr11	Open Sea	0.63485123	0.852509642	0.2176584	0.002955
cg23894980	chr11	Open Sea	0.646982595	0.864596766	0.2176142	0.011359
cg15343224	chr11	Open Sea	0.472047403	0.689200236	0.2171528	0.000154
cg20871721	chr11	Open Sea	0.644133289	0.861178979	0.2170457	0.036598
cg05275576	chr11	Open Sea	0.661856333	0.878822832	0.2169665	2.05E-05
cg01612449	chr11	North Shore	0.487935746	0.704788617	0.2168529	4.03E-05
cg10914667	chr11	Open Sea	0.626041721	0.842843376	0.2168017	0.029036
cg21767798	chr11	Open Sea	0.665210604	0.881500799	0.2162902	0.026295
cg12733154	chr11	Open Sea	0.673430959	0.889644464	0.2162135	0.001727
cg08400935	chr11	Open Sea	0.599191111	0.815374981	0.2161839	0.039232
cg25469406	chr11	Open Sea	0.635645833	0.85171283	0.216067	0.024434
cg21071075	chr11	Open Sea	0.542712268	0.7587116	0.2159993	0.013652
cg07524505	chr11	Open Sea	0.694288108	0.910236407	0.2159483	0.002378
cg19821098	chr11	Island	0.673183552	0.887388517	0.214205	0.000728
cg13724238	chr11	South Shore	0.655672117	0.869769072	0.214097	0.009096
cg04726985	chr11	Open Sea	0.669750093	0.883377393	0.2136273	0.000377
cg08001668	chr11	Open Sea	0.52732065	0.74057472	0.2132541	0.011753
cg15896978	chr11	South Shelf	0.594013572	0.807049837	0.2130363	0.01388
cg26378984	chr11	South Shelf	0.647906328	0.86082107	0.2129147	0.000318

cg07804888	chr11	Open Sea	0.593591284	0.806170186	0.2125789	0.000406
cg24750539	chr11	Open Sea	0.320828578	0.533389001	0.2125604	0.036833
cg05429698	chr11	Open Sea	0.662359387	0.874869728	0.2125103	0.000178
cg07026904	chr11	South Shore	0.475417825	0.687666451	0.2122486	0.023438
cg19138905	chr11	Open Sea	0.713717777	0.925958609	0.2122408	0.000345
cg18841668	chr11	Open Sea	0.663370377	0.875595456	0.2122251	0.000875
cg08747970	chr11	Island	0.712368466	0.924107588	0.2117391	0.000397
cg01171670	chr11	Open Sea	0.5931588	0.804618856	0.2114601	0.020536
cg26922007	chr11	Open Sea	0.691138606	0.902113207	0.2109746	0.003704
cg12686407	chr11	South Shore	0.690158432	0.901000416	0.210842	0.005676
cg19614312	chr11	Open Sea	0.689621178	0.900387942	0.2107668	0.001209
cg10159728	chr11	South Shore	0.489567799	0.700168473	0.2106007	0.043447
cg25106172	chr11	South Shelf	0.703385434	0.913849138	0.2104637	6.59E-06
cg08357230	chr11	North Shore	0.611398192	0.821689617	0.2102914	0.029275
cg25504884	chr11	Open Sea	0.607491446	0.817767536	0.2102761	0.003546
cg06950730	chr11	Open Sea	0.570391832	0.780558965	0.2101671	0.001321
cg07618110	chr11	Open Sea	0.616014934	0.826060444	0.2100455	0.004022
cg02313836	chr11	South Shelf	0.695898792	0.905716188	0.2098174	0.000379
cg19047670	chr11	South Shore	0.664868665	0.87452721	0.2096585	0.003025
cg04717045	chr11	North Shore	0.669335577	0.878982707	0.2096471	0.030453
cg05093315	chr11	South Shore	0.381873614	0.591406097	0.2095325	0.018738
cg01562537	chr11	Open Sea	0.598338981	0.807756745	0.2094178	0.004261
cg22946774	chr11	Open Sea	0.560076374	0.769222336	0.209146	0.029983
cg02321903	chr11	North Shelf	0.677974313	0.886990256	0.2090159	1.58E-05
cg01047778	chr11	Open Sea	0.72798621	0.936540363	0.2085542	0.004961
cg02992224	chr11	Island	0.667338655	0.875573426	0.2082348	0.043728
cg15722533	chr11	Open Sea	0.640754736	0.84864681	0.2078921	0.000179
cg07344468	chr11	Open Sea	0.388875256	0.596722713	0.2078475	0.034627
cg23995769	chr11	Open Sea	0.647794049	0.855253665	0.2074596	0.001511
cg22806934	chr11	Open Sea	0.644272936	0.851418445	0.2071455	0.013198
cg01796225	chr11	North Shore	0.584284553	0.791268756	0.2069842	0.010775
cg10819467	chr11	South Shore	0.68580861	0.89249633	0.2066877	5.35E-05
cg13988440	chr11	Open Sea	0.691202346	0.8976735	0.2064712	0.000357
cg04212127	chr11	Open Sea	0.468096024	0.674558268	0.2064622	0.047872
cg21092388	chr11	Open Sea	0.668161089	0.874488183	0.2063271	7.06E-05
cg02568531	chr11	South Shore	0.394901105	0.601164474	0.2062634	6.22E-05
cg11108702	chr11	North Shore	0.684509918	0.890348217	0.2058383	0.000166
cg12128119	chr11	South Shore	0.682690316	0.88847172	0.2057814	0.0025
cg23713772	chr11	Open Sea	0.557465952	0.763242701	0.2057767	0.000242
cg16309319	chr11	Open Sea	0.678703029	0.884322399	0.2056194	0.00239
cg04163147	chr11	Open Sea	0.70286356	0.908381858	0.2055183	0.002279
cg23843407	chr11	Open Sea	0.652138225	0.857609697	0.2054715	0.000313
cg04987335	chr11	Open Sea	0.538161013	0.743607728	0.2054467	0.004906
cg03771580	chr11	Open Sea	0.556757729	0.762121883	0.2053642	0.000119
cg01003390	chr11	Open Sea	0.554218425	0.759544966	0.2053265	0.000117
cg11921952	chr11	North Shore	0.692604083	0.89710535	0.2045013	2.55E-05
cg12985204	chr11	Island	0.534433616	0.73877209	0.2043385	0.04341
cg22330021	chr11	North Shelf	0.490436556	0.694077989	0.2036414	0.000196
cg22656940	chr11	Open Sea	0.576807739	0.78042025	0.2036125	0.005242
cg27509693	chr11	Island	0.706527119	0.910045115	0.203518	0.001035



cg10694914	chr11	Open Sea	0.696880392	0.90026661	0.2033862	0.002291
cg02130149	chr11	Open Sea	0.6107041	0.813944995	0.2032409	0.037058
cg02311801	chr11	North Shelf	0.618872454	0.821838863	0.2029664	0.003127
cg06246444	chr11	Open Sea	0.719017207	0.921957769	0.2029406	0.000541
cg01917716	chr11	Open Sea	0.448741018	0.651661363	0.2029203	0.000255
cg14745748	chr11	Open Sea	0.702337224	0.905244068	0.2029068	0.000181
cg07236001	chr11	Open Sea	0.533723118	0.736381697	0.2026586	0.001121
cg15172739	chr11	North Shelf	0.496299755	0.698877205	0.2025774	0.001072
cg12723492	chr11	Open Sea	0.51111136	0.713367322	0.2022537	0.014493
cg18438823	chr11	Open Sea	0.629621782	0.831464875	0.2018431	0.001184
cg25505880	chr11	South Shore	0.43673918	0.638498573	0.2017594	0.027429
cg26103805	chr11	Open Sea	0.60977703	0.810985933	0.2012089	3.31E-05
cg14057456	chr11	South Shore	0.552535852	0.753535134	0.2009993	0.014433
cg23632744	chr11	Open Sea	0.736562246	0.937280955	0.2007187	0.000992
cg02294791	chr11	Open Sea	0.566630779	0.767145479	0.2005147	0.002106
cg02719956	chr11	South Shore	0.697539088	0.897779988	0.2002409	0.000319
cg16638793	chr11	Open Sea	0.642809614	0.843037647	0.200228	0.009097
cg03158561	chr11	South Shore	0.330361961	0.530465711	0.2001037	0.036824
cg19241619	chr11	Open Sea	0.528175374	0.728271957	0.2000966	0.019017
cg07139165	chr11	North Shelf	0.727265579	0.927353254	0.2000877	0.000701
cg10320783	chr11	Open Sea	0.708878491	0.908929376	0.2000509	0.002768
cg07116732	chr12	North Shore	0.272566123	0.757921263	0.4853551	0.04085
cg19310515	chr12	Open Sea	0.368750145	0.837486118	0.468736	1.65E-06
cg12051956	chr12	North Shelf	0.341168264	0.805516971	0.4643487	1.41E-05
cg01099855	chr12	Open Sea	0.430301556	0.882751198	0.4524496	1.6E-09
cg15985905	chr12	Open Sea	0.34156645	0.792885556	0.4513191	0.015038
cg02826233	chr12	North Shore	0.384293563	0.833110373	0.4488168	1.11E-05
cg07269374	chr12	Open Sea	0.457853326	0.90333854	0.4454852	6.57E-09
cg15001406	chr12	Open Sea	0.251750718	0.695024424	0.4432737	0.000375
cg03035704	chr12	South Shore	0.465638774	0.896642953	0.4310042	0.000164
cg13802583	chr12	Open Sea	0.375866019	0.804081099	0.4282151	0.007471
cg07911905	chr12	Open Sea	0.512528689	0.9357417	0.423213	5.06E-08
cg02854396	chr12	Open Sea	0.357085978	0.779339341	0.4222534	0.015051
cg23320693	chr12	Open Sea	0.452870256	0.873148205	0.4202779	2.76E-08
cg15104815	chr12	North Shelf	0.454124724	0.874042347	0.4199176	5.01E-05
cg13205848	chr12	Open Sea	0.327884791	0.746973981	0.4190892	0.016194
cg17967602	chr12	Open Sea	0.419667394	0.837526653	0.4178593	3.82E-07
cg24097814	chr12	Open Sea	0.502551469	0.918972532	0.4164211	9.05E-10
cg15026456	chr12	Open Sea	0.474888681	0.888196184	0.4133075	5.86E-07
cg20210051	chr12	Open Sea	0.30530889	0.716905137	0.4115962	1.9E-08
cg23058246	chr12	Open Sea	0.481402192	0.892496723	0.4110945	3.95E-09
cg08261450	chr12	North Shelf	0.192026715	0.601232192	0.4092055	0.005869
cg07703756	chr12	Open Sea	0.37888526	0.785000254	0.406115	2.23E-11
cg03327443	chr12	South Shelf	0.414248332	0.812500704	0.3982524	0.001126
cg01781119	chr12	Open Sea	0.472576417	0.867784481	0.3952081	1.9E-06
cg17781464	chr12	Open Sea	0.429866378	0.823840498	0.3939741	0.001027
cg05409945	chr12	Open Sea	0.457692533	0.84903883	0.3913463	1.85E-08
cg19653282	chr12	Open Sea	0.434224944	0.824531216	0.3903063	0.001449
cg12545986	chr12	Open Sea	0.32755455	0.712692539	0.385138	1.49E-06
cg26066361	chr12	Open Sea	0.422328811	0.806659335	0.3843305	2.58E-07

cg08094614	chr12	Open Sea	0.534016005	0.912483348	0.3784673	3.21E-05
cg12795893	chr12	North Shore	0.253142749	0.6313203	0.3781776	4.78E-08
cg00608661	chr12	Open Sea	0.485059121	0.860898192	0.3758391	0.005087
cg20569804	chr12	Open Sea	0.413657145	0.789343189	0.375686	0.00086
cg04626868	chr12	Open Sea	0.535058362	0.910180356	0.375122	1.83E-05
cg26796443	chr12	Open Sea	0.441574103	0.816519177	0.3749451	2.16E-08
cg01230386	chr12	Open Sea	0.501285776	0.872911387	0.3716256	8.65E-08
cg24703336	chr12	Open Sea	0.392663184	0.763823305	0.3711601	0.000386
cg27005906	chr12	Open Sea	0.460433261	0.830910977	0.3704777	0.001457
cg25563625	chr12	Open Sea	0.531260492	0.898871287	0.3676108	1.09E-05
cg05400252	chr12	Open Sea	0.498051487	0.864185109	0.3661336	2.31E-07
cg16204225	chr12	Open Sea	0.572797653	0.938335716	0.3655381	2.22E-07
cg01940139	chr12	Open Sea	0.49657031	0.858729187	0.3621589	3.81E-08
cg09828575	chr12	Island	0.408633334	0.769637393	0.3610041	1.78E-06
cg24622007	chr12	North Shore	0.484948003	0.845322638	0.3603746	0.0297
cg19475020	chr12	Open Sea	0.446614748	0.805840616	0.3592259	5.48E-08
cg14873958	chr12	Open Sea	0.279742874	0.636694034	0.3569512	0.004496
cg22800453	chr12	Open Sea	0.513642322	0.870575306	0.356933	5.34E-08
cg07854132	chr12	Open Sea	0.453579155	0.809851069	0.3562719	0.039583
cg22245858	chr12	Open Sea	0.522703167	0.872675064	0.3499719	1.37E-05
cg01835489	chr12	South Shore	0.556422802	0.906079369	0.3496566	3.4E-07
cg19179869	chr12	Open Sea	0.550832334	0.89832694	0.3474946	0.000236
cg14399475	chr12	Open Sea	0.532792076	0.877993111	0.345201	9.11E-07
cg10923855	chr12	Island	0.528061337	0.872996619	0.3449353	1.4E-07
cg26945941	chr12	North Shelf	0.501008769	0.844745168	0.3437364	2.1E-07
cg02485729	chr12	Open Sea	0.477726596	0.820596992	0.3428704	8.77E-06
cg27205798	chr12	Open Sea	0.575944376	0.918667679	0.3427233	2.1E-07
cg23256150	chr12	Open Sea	0.47072019	0.813076878	0.3423567	0.005169
cg23373401	chr12	South Shore	0.309234406	0.648959762	0.3397254	0.014505
cg12690978	chr12	Open Sea	0.534420909	0.873994568	0.3395737	6.54E-06
cg25497938	chr12	Open Sea	0.582439665	0.91758391	0.3351442	5.9E-08
cg24007169	chr12	South Shelf	0.483677969	0.81663106	0.3329531	0.005275
cg17878273	chr12	North Shelf	0.531157939	0.86410155	0.3329436	9.05E-06
cg24112692	chr12	Open Sea	0.544040669	0.874474	0.3304333	7.66E-07
cg21131424	chr12	South Shore	0.463293875	0.793323705	0.3300298	0.029149
cg01519695	chr12	Open Sea	0.421647255	0.750990674	0.3293434	0.00015
cg13575885	chr12	Open Sea	0.55076154	0.879375048	0.3286135	7.06E-07
cg07725829	chr12	Open Sea	0.523384545	0.851060075	0.3276755	0.000458
cg11243173	chr12	Open Sea	0.55541705	0.88250735	0.3270903	0.000621
cg14909213	chr12	Open Sea	0.508234542	0.835243219	0.3270087	1.06E-05
cg15915361	chr12	Open Sea	0.584658524	0.911654349	0.3269958	9.5E-08
cg11130955	chr12	Open Sea	0.508732158	0.834262574	0.3255304	1.23E-06
cg21173150	chr12	Open Sea	0.592758115	0.918109094	0.325351	3.39E-06
cg03389789	chr12	Open Sea	0.450981844	0.775978348	0.3249965	0.000742
cg06697057	chr12	Open Sea	0.560628907	0.885121618	0.3244927	0.000771
cg11054192	chr12	Open Sea	0.50205955	0.826173496	0.3241139	0.001038
cg01493728	chr12	Open Sea	0.401108286	0.72450509	0.3233968	0.033239
cg14679607	chr12	Open Sea	0.46895113	0.792098886	0.3231478	2.3E-05
cg04907218	chr12	North Shore	0.508307192	0.83029756	0.3219904	9.23E-07
cg23363039	chr12	Open Sea	0.401143665	0.722683932	0.3215403	5.71E-06

cg19109601	chr12	South Shelf	0.498266761	0.81893668	0.3206699	0.000888
cg05513274	chr12	Open Sea	0.479823924	0.800365167	0.3205412	0.004343
cg21913301	chr12	Open Sea	0.369004833	0.689279523	0.3202747	0.000486
cg05557291	chr12	Open Sea	0.604553184	0.922425517	0.3178723	5.26E-06
cg14858786	chr12	North Shore	0.573535331	0.891367484	0.3178322	3.89E-06
cg16409977	chr12	Open Sea	0.517778997	0.835351915	0.3175729	1.16E-07
cg16006349	chr12	Island	0.303879232	0.621256097	0.3173769	0.001267
cg14761514	chr12	Open Sea	0.335570346	0.652716865	0.3171465	0.021209
cg12115748	chr12	Open Sea	0.362007924	0.6787885	0.3167806	0.036239
cg18827107	chr12	Open Sea	0.534017105	0.850711734	0.3166946	4.02E-05
cg10520543	chr12	Open Sea	0.373950089	0.690341521	0.3163914	0.000179
cg05529922	chr12	Open Sea	0.587686643	0.903126743	0.3154401	4.85E-07
cg03739877	chr12	Open Sea	0.478489852	0.793876853	0.315387	9.48E-07
cg08129310	chr12	Open Sea	0.59470237	0.90998336	0.315281	2.97E-05
cg05957190	chr12	Open Sea	0.61369738	0.927909621	0.3142122	4.18E-05
cg03064524	chr12	Open Sea	0.602208003	0.915976845	0.3137688	1E-05
cg14738823	chr12	Open Sea	0.47445157	0.787792093	0.3133405	0.013642
cg10216717	chr12	North Shore	0.408886836	0.721723821	0.312837	0.002108
cg13929106	chr12	Open Sea	0.593140118	0.905502354	0.3123622	4.58E-05
cg11053466	chr12	North Shore	0.378993902	0.691131897	0.312138	2.27E-08
cg26227465	chr12	Open Sea	0.514687682	0.826400273	0.3117126	3.55E-05
cg26851803	chr12	Open Sea	0.592279743	0.903671196	0.3113915	2.58E-05
cg01650245	chr12	North Shelf	0.555551459	0.865832787	0.3102813	3.14E-08
cg14879569	chr12	Open Sea	0.610213727	0.920058772	0.309845	2.73E-06
cg03437151	chr12	Open Sea	0.430475448	0.74030135	0.3098259	3.71E-06
cg20745888	chr12	Open Sea	0.567318235	0.876194613	0.3088764	5.38E-06
cg12901574	chr12	North Shelf	0.525487363	0.833369665	0.3078823	0.002891
cg17472736	chr12	Open Sea	0.5290046	0.83605209	0.3070475	0.000232
cg13220569	chr12	South Shore	0.535439458	0.842154344	0.3067149	0.001529
cg01687040	chr12	Open Sea	0.452057678	0.758471435	0.3064138	0.006356
cg15920335	chr12	North Shelf	0.57126775	0.877675738	0.306408	9.89E-06
cg25953788	chr12	Open Sea	0.331047185	0.637223223	0.306176	0.004457
cg05399225	chr12	North Shore	0.532776395	0.838785591	0.3060092	0.007864
cg24510285	chr12	Open Sea	0.57637159	0.882166803	0.3057952	3.67E-07
cg12929809	chr12	Open Sea	0.598718118	0.904034446	0.3053163	0.000468
cg04076774	chr12	Open Sea	0.570512794	0.875788752	0.305276	0.040243
cg14555736	chr12	South Shelf	0.551051081	0.855859552	0.3048085	6.89E-05
cg04475095	chr12	Open Sea	0.576516392	0.880972625	0.3044562	8.08E-05
cg22851485	chr12	South Shore	0.213185257	0.517580826	0.3043956	0.007974
cg09358376	chr12	Open Sea	0.352986643	0.657046512	0.3040599	0.007525
cg27170427	chr12	Open Sea	0.537946284	0.838507232	0.3005609	2.94E-05
cg09802076	chr12	Open Sea	0.35947462	0.659701172	0.3002266	0.000418
cg03755957	chr12	South Shelf	0.540824293	0.840426533	0.2996022	0.002791
cg06705947	chr12	Open Sea	0.523632186	0.82279645	0.2991643	6.49E-05
cg24795867	chr12	North Shelf	0.597929141	0.896441957	0.2985128	0.005977
cg20023647	chr12	Open Sea	0.53389943	0.832097476	0.298198	0.001632
cg09171368	chr12	Open Sea	0.485111892	0.782960714	0.2978488	0.041874
cg24226884	chr12	Open Sea	0.517767071	0.814541231	0.2967742	0.002061
cg00079219	chr12	North Shore	0.157118111	0.4536593	0.2965412	0.008043
cg21721825	chr12	North Shore	0.36885583	0.665104566	0.2962487	1.48E-05

cg02965092	chr12	Open Sea	0.506918456	0.802855078	0.2959366	0.005423
cg10810769	chr12	Open Sea	0.576568457	0.871691902	0.2951234	4.74E-05
cg09629675	chr12	Open Sea	0.336021059	0.630035445	0.2940144	0.021446
cg22403469	chr12	South Shelf	0.636447794	0.930121859	0.2936741	3.37E-05
cg26211060	chr12	Open Sea	0.384790504	0.677603643	0.2928131	0.004671
cg23518497	chr12	Open Sea	0.606490809	0.899221311	0.2927305	1.22E-05
cg10168009	chr12	South Shelf	0.588712116	0.881237291	0.2925252	1.72E-05
cg07051221	chr12	North Shore	0.390898026	0.683073744	0.2921757	0.001539
cg02389938	chr12	Open Sea	0.610840222	0.902747461	0.2919072	0.00024
cg22781714	chr12	Open Sea	0.509548106	0.801289597	0.2917415	0.021119
cg02467451	chr12	South Shore	0.35236209	0.643482011	0.2911199	3.31E-06
cg04409030	chr12	North Shore	0.540593307	0.831263645	0.2906703	0.001031
cg08716684	chr12	North Shore	0.481604092	0.772235579	0.2906315	0.010772
cg11854928	chr12	Open Sea	0.553061058	0.843124507	0.2900634	0.003092
cg15693299	chr12	Open Sea	0.482296873	0.771671309	0.2893744	7.59E-05
cg06100618	chr12	Open Sea	0.571280553	0.859169897	0.2878893	0.001129
cg08752433	chr12	North Shelf	0.364743809	0.652586401	0.2878426	0.000112
cg02520593	chr12	Open Sea	0.602335728	0.890055255	0.2877195	9.34E-06
cg02505216	chr12	Open Sea	0.55341403	0.840983379	0.2875693	8.96E-07
cg20046777	chr12	Open Sea	0.580367069	0.867791888	0.2874248	0.020443
cg06343745	chr12	South Shelf	0.393778712	0.680304247	0.2865255	0.01101
cg16354452	chr12	Open Sea	0.546837309	0.833271968	0.2864347	0.041781
cg04581537	chr12	North Shelf	0.530151808	0.815912578	0.2857608	1.9E-05
cg06296759	chr12	Open Sea	0.554563533	0.839137944	0.2845744	0.006537
cg25341089	chr12	Island	0.610726649	0.895053435	0.2843268	0.001186
cg23980176	chr12	Open Sea	0.618741344	0.902889385	0.284148	2.21E-05
cg20047677	chr12	Open Sea	0.560654399	0.844704636	0.2840502	0.00497
cg00598394	chr12	North Shelf	0.558839313	0.84228602	0.2834467	0.032456
cg25125340	chr12	South Shore	0.515156623	0.798599138	0.2834425	0.005853
cg13023619	chr12	Open Sea	0.514146232	0.797478889	0.2833327	0.042499
cg03600605	chr12	South Shore	0.502513637	0.785731827	0.2832182	0.012752
cg03433362	chr12	Open Sea	0.647230197	0.930325212	0.283095	2.46E-05
cg14240993	chr12	North Shore	0.558544523	0.84123631	0.2826918	1.88E-05
cg21474838	chr12	Open Sea	0.535035972	0.817385211	0.2823492	0.003057
cg25598488	chr12	North Shelf	0.618247202	0.900569501	0.2823223	4.56E-05
cg13209739	chr12	Open Sea	0.531675829	0.813938224	0.2822624	3.59E-05
cg06638147	chr12	Open Sea	0.341886966	0.624029972	0.282143	0.031357
cg01152727	chr12	South Shelf	0.628752841	0.90999657	0.2812437	2.29E-06
cg16237191	chr12	Open Sea	0.329854331	0.610081529	0.2802272	0.023946
cg17127146	chr12	Open Sea	0.616703029	0.896714653	0.2800116	8.08E-05
cg23253053	chr12	Open Sea	0.38521684	0.665197176	0.2799803	0.045991
cg23313416	chr12	Open Sea	0.642679423	0.922290061	0.2796106	4.08E-06
cg21074190	chr12	North Shore	0.622123679	0.90039287	0.2782692	2.29E-05
cg13300744	chr12	Open Sea	0.491525145	0.768423593	0.2768984	0.005258
cg09892273	chr12	South Shore	0.472270101	0.749126086	0.276856	0.004092
cg17116178	chr12	Open Sea	0.574365868	0.85090665	0.2765408	0.002283
cg02023138	chr12	Open Sea	0.510491407	0.786845616	0.2763542	0.045596
cg22682646	chr12	Open Sea	0.523361301	0.798560435	0.2751991	6.18E-05
cg11654321	chr12	Open Sea	0.435878063	0.710304795	0.2744267	1.6E-06
cg27160701	chr12	Open Sea	0.592320395	0.866420837	0.2741004	7.49E-06

cg23897083	chr12	Open Sea	0.438114447	0.712029002	0.2739146	0.005785
cg08446539	chr12	South Shelf	0.623011244	0.896748765	0.2737375	4.21E-06
cg01871722	chr12	Open Sea	0.515366477	0.788851893	0.2734854	0.008091
cg00873953	chr12	Open Sea	0.555099584	0.82782699	0.2727274	1.78E-05
cg00174508	chr12	Open Sea	0.530944406	0.803534962	0.2725906	9.86E-06
cg02767665	chr12	South Shore	0.286405071	0.558892848	0.2724878	6.89E-05
cg17202013	chr12	South Shelf	0.399740663	0.671583047	0.2718424	0.008033
cg13945631	chr12	Open Sea	0.601992247	0.873550082	0.2715578	2.95E-05
cg26483075	chr12	Open Sea	0.498721021	0.770216835	0.2714958	1.32E-07
cg23162479	chr12	Open Sea	0.279399125	0.550737551	0.2713384	0.02644
cg09265762	chr12	Open Sea	0.555940812	0.826623967	0.2706832	0.008836
cg16845679	chr12	Open Sea	0.596740477	0.866884894	0.2701444	3.63E-06
cg01202639	chr12	Open Sea	0.527432847	0.797400906	0.2699681	0.00015
cg09313140	chr12	Open Sea	0.587031952	0.856816961	0.269785	0.001784
cg01993111	chr12	South Shelf	0.511413193	0.781087719	0.2696745	0.010643
cg14258504	chr12	Open Sea	0.603428159	0.872083405	0.2686552	2.84E-05
cg06937491	chr12	Open Sea	0.647754988	0.91621672	0.2684617	0.000507
cg13953394	chr12	Open Sea	0.645934445	0.913787504	0.2678531	0.000156
cg04303901	chr12	Open Sea	0.639190694	0.90634046	0.2671498	6.42E-05
cg16086237	chr12	Open Sea	0.254128799	0.521121733	0.2669929	0.00509
cg25161912	chr12	South Shore	0.382994778	0.649966088	0.2669713	0.02915
cg26215982	chr12	North Shelf	0.376352274	0.643255408	0.2669031	0.000107
cg20959403	chr12	Open Sea	0.302355581	0.569005484	0.2666499	3.08E-06
cg26491818	chr12	Open Sea	0.577571242	0.843263957	0.2656927	0.000446
cg00693222	chr12	Open Sea	0.59747396	0.86284737	0.2653734	0.003477
cg06538684	chr12	South Shore	0.260512849	0.525271374	0.2647585	3.08E-05
cg25372195	chr12	Open Sea	0.502965473	0.767634648	0.2646692	5.15E-06
cg22827685	chr12	Open Sea	0.594188374	0.858690729	0.2645024	0.003828
cg17865265	chr12	Open Sea	0.401572932	0.665386719	0.2638138	0.000162
cg23755033	chr12	Open Sea	0.587410375	0.850646944	0.2632366	0.000833
cg24504361	chr12	South Shore	0.338268666	0.601223358	0.2629547	0.000156
cg21041701	chr12	North Shelf	0.573853126	0.836799385	0.2629463	0.037934
cg17734698	chr12	Open Sea	0.377870653	0.640269419	0.2623988	0.026421
cg27537972	chr12	Open Sea	0.505875347	0.767552673	0.2616773	0.027332
cg03037879	chr12	Open Sea	0.529097114	0.79075584	0.2616587	0.044138
cg11311280	chr12	Open Sea	0.560323397	0.821909479	0.2615861	0.029174
cg03846107	chr12	Open Sea	0.413495789	0.67422631	0.2607305	0.012476
cg08245989	chr12	Open Sea	0.496437155	0.75688493	0.2604478	1.6E-06
cg03212453	chr12	North Shelf	0.627733336	0.887536537	0.2598032	3.76E-07
cg04473405	chr12	South Shore	0.426062847	0.685537766	0.2594749	0.034671
cg21252529	chr12	South Shelf	0.656598817	0.91509818	0.2584994	0.000598
cg20059881	chr12	South Shelf	0.521503924	0.779063938	0.25756	0.001674
cg12555810	chr12	Open Sea	0.385100216	0.64180897	0.2567088	0.046225
cg05383657	chr12	Open Sea	0.442904191	0.699563691	0.2566595	0.014413
cg09170112	chr12	Open Sea	0.543446875	0.800048414	0.2566015	0.003898
cg10841138	chr12	Open Sea	0.609359583	0.865789033	0.2564295	0.015755
cg16614527	chr12	Open Sea	0.675974647	0.932379562	0.2564049	1.97E-05
cg08826184	chr12	Open Sea	0.550574109	0.806740331	0.2561662	0.000128
cg14034782	chr12	North Shelf	0.460861338	0.716803727	0.2559424	0.011599
cg16531955	chr12	Open Sea	0.592996504	0.848717986	0.2557215	0.017683

cg24770677	chr12	Open Sea	0.659135131	0.914671378	0.2555362	0.000393
cg06542302	chr12	South Shore	0.660073375	0.914853352	0.25478	7.81E-05
cg19710323	chr12	North Shore	0.486275962	0.740576839	0.2543009	7.85E-06
cg00770443	chr12	Open Sea	0.48156571	0.735697766	0.2541321	0.02096
cg02410245	chr12	North Shore	0.529017254	0.783103998	0.2540867	1.53E-06
cg04041679	chr12	North Shelf	0.529976688	0.78388473	0.253908	0.002422
cg04740359	chr12	North Shore	0.484598355	0.737488665	0.2528903	0.004033
cg23521666	chr12	North Shore	0.608691646	0.860849374	0.2521577	0.007057
cg24085426	chr12	Open Sea	0.642412353	0.894317102	0.2519047	0.001834
cg10612692	chr12	South Shelf	0.468793293	0.719434617	0.2506413	0.006203
cg06002516	chr12	Open Sea	0.53009502	0.780194522	0.2500995	0.043163
cg08822023	chr12	South Shelf	0.618381209	0.868447539	0.2500663	0.000516
cg03954343	chr12	Open Sea	0.603128754	0.853086183	0.2499574	0.000866
cg22963843	chr12	Open Sea	0.599911003	0.84915526	0.2492443	0.000129
cg15238831	chr12	Open Sea	0.583746869	0.832385728	0.2486389	0.000117
cg06738652	chr12	South Shelf	0.612800321	0.860565508	0.2477652	0.036417
cg07071478	chr12	Open Sea	0.621866012	0.86926029	0.2473943	0.001105
cg11649665	chr12	Open Sea	0.644693484	0.891951211	0.2472577	0.000297
cg09741713	chr12	Open Sea	0.384509588	0.630968764	0.2464592	0.001847
cg18846954	chr12	Open Sea	0.626883117	0.873257525	0.2463744	0.003079
cg16332003	chr12	South Shelf	0.635083083	0.881067643	0.2459846	8.73E-05
cg11848173	chr12	North Shore	0.290540281	0.535774224	0.2452339	0.030644
cg21233675	chr12	North Shore	0.451763804	0.696904115	0.2451403	0.000381
cg07880109	chr12	Open Sea	0.468170629	0.712436872	0.2442662	0.000708
cg19834585	chr12	Island	0.583637623	0.827647612	0.24401	5.64E-06
cg16933248	chr12	South Shore	0.589587213	0.833365972	0.2437788	0.000345
cg02662495	chr12	Open Sea	0.32463809	0.5683195	0.2436814	2.25E-07
cg19685709	chr12	North Shelf	0.449141336	0.692037444	0.2428961	0.000254
cg03143347	chr12	North Shelf	0.547599881	0.790456029	0.2428561	6.96E-05
cg03325843	chr12	Open Sea	0.657385016	0.900075218	0.2426902	0.001071
cg15016120	chr12	Open Sea	0.419842169	0.66245571	0.2426135	9.77E-06
cg20408175	chr12	North Shore	0.218330176	0.460156349	0.2418262	4.92E-05
cg22538757	chr12	Open Sea	0.426634832	0.667949578	0.2413147	0.000981
cg25165908	chr12	South Shore	0.590716588	0.831989967	0.2412734	0.016259
cg02575764	chr12	Open Sea	0.60725713	0.84852064	0.2412635	0.010707
cg16184597	chr12	South Shore	0.612894797	0.853921305	0.2410265	0.045699
cg03219658	chr12	Open Sea	0.635992497	0.876990316	0.2409978	0.000556
cg21671052	chr12	Open Sea	0.375890172	0.616883591	0.2409934	0.025615
cg23157948	chr12	North Shore	0.698505914	0.938386516	0.2398806	0.000118
cg06826870	chr12	Open Sea	0.594145759	0.833965009	0.2398192	0.000286
cg10504573	chr12	Open Sea	0.587792083	0.827085653	0.2392936	0.004788
cg10255904	chr12	Open Sea	0.497833207	0.736904394	0.2390712	0.026876
cg12166080	chr12	Open Sea	0.663033065	0.902102748	0.2390697	5.7E-05
cg16009120	chr12	Open Sea	0.627341217	0.86598158	0.2386404	0.002937
cg27501686	chr12	Open Sea	0.645001147	0.88347844	0.2384773	0.000177
cg00852595	chr12	Open Sea	0.62379275	0.862107435	0.2383147	0.002124
cg04919982	chr12	Open Sea	0.511762002	0.749473907	0.2377119	2.62E-05
cg15545660	chr12	Open Sea	0.647106506	0.884585148	0.2374786	1.59E-05
cg07092157	chr12	Open Sea	0.591392283	0.828623957	0.2372317	0.008708
cg06617217	chr12	North Shore	0.541945398	0.778969139	0.2370237	0.046665

cg09647921	chr12	Open Sea	0.629692983	0.866596825	0.2369038	0.000381
cg20576002	chr12	Open Sea	0.649688531	0.886503226	0.2368147	3.08E-05
cg10941424	chr12	Open Sea	0.516705237	0.753395781	0.2366905	0.011071
cg23916979	chr12	Open Sea	0.623239239	0.859868464	0.2366292	0.017322
cg17352891	chr12	Open Sea	0.640098725	0.876632949	0.2365342	0.000312
cg26257969	chr12	North Shore	0.666320753	0.902745177	0.2364244	4.57E-05
cg21844669	chr12	North Shore	0.673723672	0.909916164	0.2361925	0.001215
cg08464009	chr12	Open Sea	0.666449441	0.901492178	0.2350427	5.98E-05
cg22463035	chr12	Island	0.658407873	0.893018139	0.2346103	6.98E-05
cg18674828	chr12	South Shore	0.61164217	0.845365849	0.2337237	0.000286
cg09211256	chr12	Open Sea	0.569135329	0.802708468	0.2335731	2.58E-06
cg21801223	chr12	Open Sea	0.685542198	0.919068678	0.2335265	0.000269
cg24009650	chr12	North Shore	0.530477847	0.763464984	0.2329871	0.003865
cg21372174	chr12	Open Sea	0.637010716	0.86999295	0.2329822	0.000347
cg25044701	chr12	Open Sea	0.524982754	0.757957136	0.2329744	5.92E-06
cg25313447	chr12	Open Sea	0.64799703	0.880883967	0.2328869	4.77E-05
cg05404091	chr12	North Shelf	0.553364933	0.786230012	0.2328651	0.036642
cg00915830	chr12	Open Sea	0.607852428	0.840640105	0.2327877	0.027767
cg00991744	chr12	North Shore	0.590639371	0.823096257	0.2324569	0.005494
cg02049373	chr12	Open Sea	0.651546079	0.883674651	0.2321286	0.003949
cg10354655	chr12	Open Sea	0.649390722	0.881072306	0.2316816	0.000911
cg25887789	chr12	North Shore	0.61864546	0.849812916	0.2311675	0.023185
cg17341136	chr12	North Shelf	0.568292103	0.799147056	0.230855	0.000784
cg08974852	chr12	Open Sea	0.409747162	0.640289784	0.2305426	0.000572
cg25799797	chr12	Open Sea	0.518720679	0.74908859	0.2303679	0.017147
cg01525976	chr12	Open Sea	0.653002948	0.882989033	0.2299861	0.003097
cg07643942	chr12	Open Sea	0.583469379	0.813030677	0.2295613	0.029021
cg24035682	chr12	Open Sea	0.703386231	0.932515624	0.2291294	3.96E-05
cg16207347	chr12	South Shore	0.638591328	0.86731052	0.2287192	0.000215
cg17080335	chr12	Open Sea	0.504206783	0.732923351	0.2287166	0.009617
cg01401465	chr12	Open Sea	0.668065124	0.896630577	0.2285655	0.000353
cg06761873	chr12	Open Sea	0.702549741	0.931084445	0.2285347	0.000218
cg24129177	chr12	Open Sea	0.503826923	0.731646346	0.2278194	1E-06
cg27349244	chr12	Open Sea	0.715033617	0.942837059	0.2278034	6.35E-05
cg03756485	chr12	Open Sea	0.329371318	0.556808487	0.2274372	0.005028
cg02313013	chr12	Open Sea	0.383854885	0.610606922	0.226752	0.026211
cg23549179	chr12	Open Sea	0.662213829	0.888738783	0.226525	0.000409
cg20519577	chr12	Island	0.670559912	0.896221146	0.2256612	0.000525
cg19666225	chr12	Open Sea	0.610799336	0.836238559	0.2254392	0.046481
cg21649668	chr12	Open Sea	0.655753572	0.88088218	0.2251286	0.01234
cg07102229	chr12	Open Sea	0.608641013	0.833000283	0.2243593	0.003472
cg24975581	chr12	South Shelf	0.624884013	0.849093524	0.2242095	0.006836
cg27137084	chr12	Open Sea	0.481590751	0.704686045	0.2230953	0.027166
cg18616923	chr12	Open Sea	0.374926654	0.597831891	0.2229052	0.003308
cg01299925	chr12	Open Sea	0.658211221	0.88054757	0.2223363	2.94E-05
cg04640729	chr12	North Shelf	0.611648934	0.833946622	0.2222977	0.023926
cg14746717	chr12	South Shore	0.646164362	0.868427049	0.2222627	0.043476
cg26958741	chr12	Open Sea	0.604758333	0.826303825	0.2215455	0.019485
cg11943883	chr12	Open Sea	0.609687732	0.831057079	0.2213693	0.00178
cg18237191	chr12	North Shelf	0.621794833	0.842717874	0.220923	0.002787

cg25886621	chr12	Open Sea	0.669516949	0.890159495	0.2206425	0.0005
cg19890059	chr12	Open Sea	0.701711491	0.921818921	0.2201074	0.001293
cg15961105	chr12	Open Sea	0.692245567	0.911923985	0.2196784	0.000407
cg24700929	chr12	South Shelf	0.50023479	0.719645362	0.2194106	0.00176
cg06233731	chr12	Open Sea	0.620973724	0.840091766	0.219118	0.014573
cg19084629	chr12	Open Sea	0.712544202	0.931634353	0.2190902	0.000372
cg25463779	chr12	Open Sea	0.526164666	0.745193539	0.2190289	3.28E-05
cg13554242	chr12	Open Sea	0.620493629	0.839501494	0.2190079	0.004329
cg21272713	chr12	North Shelf	0.490507857	0.70926361	0.2187558	0.010774
cg23782909	chr12	Open Sea	0.371095507	0.589263782	0.2181683	0.002417
cg18044622	chr12	South Shore	0.687431235	0.905444677	0.2180134	2.73E-05
cg03611241	chr12	South Shore	0.397228905	0.614928187	0.2176993	0.016105
cg09154414	chr12	Open Sea	0.689174152	0.906829049	0.2176549	0.000807
cg15736336	chr12	Open Sea	0.643720132	0.861372	0.2176519	0.004421
cg01517148	chr12	Open Sea	0.653265865	0.870802579	0.2175367	0.009078
cg13614229	chr12	Open Sea	0.665631218	0.882972949	0.2173417	0.000168
cg19427600	chr12	Open Sea	0.704327612	0.921282326	0.2169547	0.000192
cg20246277	chr12	Open Sea	0.718500793	0.935443124	0.2169423	0.000688
cg16499474	chr12	Open Sea	0.655377628	0.872309228	0.2169316	0.002187
cg04080448	chr12	Open Sea	0.54807053	0.764351375	0.2162808	0.018356
cg24969187	chr12	North Shore	0.626123668	0.841856327	0.2157327	0.000398
cg08723248	chr12	Open Sea	0.684439744	0.900124016	0.2156843	0.000449
cg17651760	chr12	North Shelf	0.662317406	0.877473082	0.2151557	0.003613
cg07053177	chr12	Island	0.673007198	0.887536509	0.2145293	0.036298
cg04739485	chr12	Open Sea	0.739172717	0.953602957	0.2144302	2.74E-05
cg15962965	chr12	South Shore	0.628799612	0.842124871	0.2133253	0.002269
cg06624951	chr12	North Shore	0.418619189	0.631836279	0.2132171	0.036419
cg26373351	chr12	Open Sea	0.662126658	0.875285209	0.2131586	0.000206
cg10582941	chr12	Open Sea	0.590211012	0.802978314	0.2127673	0.001667
cg27258486	chr12	Open Sea	0.720177542	0.932801186	0.2126236	7.97E-05
cg25055341	chr12	Open Sea	0.594801434	0.807365696	0.2125643	0.033284
cg27547422	chr12	North Shore	0.670088557	0.882074971	0.2119864	0.033588
cg10942227	chr12	Open Sea	0.566167141	0.777881286	0.2117141	0.005753
cg18874332	chr12	Open Sea	0.35905817	0.570633042	0.2115749	0.005964
cg01290565	chr12	Island	0.446898467	0.658467155	0.2115687	1.04E-05
cg01807313	chr12	Open Sea	0.650237544	0.86138689	0.2111493	0.002224
cg20001810	chr12	Open Sea	0.521480495	0.732530511	0.21105	0.009039
cg09847584	chr12	Open Sea	0.715477548	0.926440935	0.2109634	0.000677
cg26875655	chr12	North Shelf	0.52239567	0.73334454	0.2109489	0.018588
cg25054821	chr12	South Shelf	0.500043928	0.710496981	0.2104531	0.000253
cg21471511	chr12	Open Sea	0.722545417	0.932445351	0.2098999	0.000127
cg12105679	chr12	South Shore	0.696306274	0.905560983	0.2092547	0.000254
cg25573386	chr12	Open Sea	0.412455786	0.621639256	0.2091835	0.000692
cg13338132	chr12	Open Sea	0.638788979	0.847778427	0.2089894	0.000671
cg22335340	chr12	South Shore	0.625516357	0.834361108	0.2088448	0.025207
cg27093379	chr12	Open Sea	0.707549939	0.915736558	0.2081866	0.000151
cg08035981	chr12	Open Sea	0.68637942	0.89449703	0.2081176	0.00018
cg14907262	chr12	South Shore	0.701756418	0.909743728	0.2079873	0.000312
cg13546321	chr12	Open Sea	0.525390934	0.733217665	0.2078267	0.017096
cg22027151	chr12	Open Sea	0.690501933	0.897832201	0.2073303	0.000665



cg13074634	chr12	South Shore	0.656408168	0.863690877	0.2072827	0.007265
cg12617332	chr12	Open Sea	0.687406303	0.894498357	0.2070921	0.001773
cg17537007	chr12	North Shore	0.70119507	0.907755921	0.2065609	0.000155
cg03404485	chr12	Open Sea	0.517182024	0.723502225	0.2063202	0.0051
cg24445167	chr12	Open Sea	0.646637444	0.85267157	0.2060341	0.00594
cg03200309	chr12	North Shore	0.504590695	0.710468996	0.2058783	0.002118
cg05214130	chr12	South Shelf	0.693373004	0.899134275	0.2057613	0.000102
cg22260016	chr12	North Shelf	0.692336559	0.897999964	0.2056634	0.000436
cg02068832	chr12	South Shore	0.588441388	0.792184266	0.2037429	0.015794
cg06764736	chr12	Open Sea	0.642521039	0.845708616	0.2031876	0.018438
cg21758446	chr12	Open Sea	0.516955232	0.719969522	0.2030143	0.021195
cg21656937	chr12	North Shelf	0.265041997	0.467481909	0.2024399	0.012469
cg13860283	chr12	Open Sea	0.346524671	0.548944833	0.2024202	0.042107
cg20168964	chr12	Open Sea	0.500437069	0.702389154	0.2019521	0.021573
cg08288107	chr12	Open Sea	0.752252497	0.954001065	0.2017486	0.000269
cg20025970	chr12	Open Sea	0.601438507	0.803074287	0.2016358	0.046976
cg12868312	chr12	Open Sea	0.689154754	0.890776624	0.2016219	0.014929
cg12443853	chr12	Open Sea	0.485960122	0.687436701	0.2014766	0.007075
cg06741096	chr12	Open Sea	0.665639463	0.866831009	0.2011915	0.000134
cg27648793	chr12	Open Sea	0.567376026	0.768432401	0.2010564	0.00086
cg09627757	chr12	Open Sea	0.716625371	0.917381147	0.2007558	3.68E-05
cg03952361	chr12	North Shore	0.635002896	0.835588494	0.2005856	0.004783
cg27280332	chr12	Open Sea	0.693436671	0.893914601	0.2004779	0.000883
cg09044656	chr12	Island	0.69265156	0.893090023	0.2004385	0.00039
cg00390941	chr12	Open Sea	0.693387337	0.8936766	0.2002893	0.002474
cg19699140	chr13	Open Sea	0.40154261	0.822492417	0.4209498	0.002886
cg23976981	chr13	Open Sea	0.368955754	0.758927004	0.3899712	0.000273
cg19871597	chr13	Open Sea	0.435686639	0.810172046	0.3744854	0.005839
cg02291365	chr13	North Shelf	0.250788866	0.621649122	0.3708603	0.000487
cg23101680	chr13	Open Sea	0.288553081	0.655384246	0.3668312	0.001405
cg06331700	chr13	Open Sea	0.50318313	0.868851837	0.3656687	7.88E-05
cg15244467	chr13	Open Sea	0.546627514	0.907222777	0.3605953	2.8E-08
cg10483660	chr13	South Shelf	0.408449346	0.767626363	0.359177	0.030383
cg24877616	chr13	South Shore	0.486344625	0.84436941	0.3580248	6.51E-05
cg08644897	chr13	North Shelf	0.524265904	0.881591876	0.357326	2.56E-05
cg02397552	chr13	Open Sea	0.503295163	0.860503488	0.3572083	9.63E-06
cg05165750	chr13	South Shore	0.472157419	0.827290675	0.3551333	7.35E-05
cg05832823	chr13	Open Sea	0.435918702	0.788058583	0.3521399	0.010547
cg19898394	chr13	Open Sea	0.4168393	0.767640674	0.3508014	5.77E-07
cg04960602	chr13	Open Sea	0.420370446	0.767551891	0.3471814	0.017823
cg02347881	chr13	Open Sea	0.465363574	0.810965417	0.3456018	7.22E-07
cg11218434	chr13	North Shelf	0.568241856	0.911867258	0.3436254	3.83E-08
cg10654948	chr13	Open Sea	0.565151528	0.907040841	0.3418893	5.82E-06
cg03688324	chr13	South Shore	0.408371659	0.749404336	0.3410327	0.048477
cg15718287	chr13	North Shelf	0.466044378	0.806528481	0.3404841	9.47E-05
cg21218957	chr13	Open Sea	0.564751011	0.903266439	0.3385154	2.87E-05
cg16753167	chr13	Open Sea	0.533093638	0.870324756	0.3372311	1.94E-08
cg01919701	chr13	North Shore	0.20424906	0.540999051	0.33675	0.000979
cg01649879	chr13	Open Sea	0.440234987	0.771796054	0.3315611	0.017237
cg23107916	chr13	Open Sea	0.541470266	0.872990915	0.3315206	1.91E-05

cg19083474	chr13	South Shelf	0.465876514	0.793486715	0.3276102	7.51E-06
cg08157459	chr13	South Shelf	0.479330473	0.806582583	0.3272521	1.69E-09
cg09842196	chr13	South Shore	0.434169048	0.760605389	0.3264363	1.61E-06
cg25578773	chr13	North Shore	0.489473266	0.814760455	0.3252872	8.26E-05
cg26068160	chr13	Island	0.58680767	0.910752436	0.3239448	0.001127
cg06807928	chr13	North Shore	0.595829821	0.918039556	0.3222097	1.72E-06
cg02444118	chr13	Open Sea	0.507153588	0.828156129	0.3210025	7.16E-05
cg11405544	chr13	Open Sea	0.406168918	0.726511115	0.3203422	0.018093
cg12454229	chr13	North Shore	0.378396913	0.696756477	0.3183596	0.038359
cg17345620	chr13	Open Sea	0.272416481	0.589836535	0.3174201	0.039912
cg22563937	chr13	Open Sea	0.440969912	0.75791646	0.3169465	0.001087
cg08626060	chr13	South Shelf	0.49306048	0.809568972	0.3165085	0.001659
cg11118697	chr13	Open Sea	0.541753513	0.856335339	0.3145818	0.000175
cg01498437	chr13	Open Sea	0.404213677	0.715801477	0.3115878	0.023958
cg02423185	chr13	Open Sea	0.434667981	0.744974822	0.3103068	0.001568
cg12008054	chr13	Open Sea	0.525672271	0.834296588	0.3086243	0.031762
cg05397490	chr13	Open Sea	0.380018729	0.688377699	0.308359	0.000248
cg23504522	chr13	North Shelf	0.574618845	0.882938571	0.3083197	4.84E-06
cg18485530	chr13	Open Sea	0.388158845	0.69351581	0.305357	0.000454
cg11281110	chr13	Open Sea	0.610788064	0.915146872	0.3043588	1.12E-05
cg18446069	chr13	South Shore	0.562537232	0.866732467	0.3041952	1.72E-06
cg01388889	chr13	Open Sea	0.432487547	0.735038364	0.3025508	0.048101
cg07495027	chr13	North Shore	0.55391884	0.856431733	0.3025129	0.01708
cg15099397	chr13	Open Sea	0.648846336	0.948549757	0.2997034	1.14E-06
cg00804796	chr13	North Shelf	0.577869574	0.877209735	0.2993402	8.84E-07
cg01811882	chr13	Open Sea	0.51532855	0.812915061	0.2975865	0.000794
cg18409985	chr13	Open Sea	0.531052549	0.828366223	0.2973137	2.13E-05
cg23172057	chr13	North Shelf	0.575695091	0.871039898	0.2953448	4.03E-06
cg13816734	chr13	Open Sea	0.548199743	0.840539514	0.2923398	0.002624
cg24089171	chr13	Open Sea	0.535569691	0.827029647	0.29146	0.000727
cg06789519	chr13	Open Sea	0.587875547	0.879018352	0.2911428	0.001469
cg07800658	chr13	Open Sea	0.374208371	0.664604474	0.2903961	9.15E-09
cg22773522	chr13	Open Sea	0.514908548	0.803511605	0.2886031	7.36E-06
cg02109189	chr13	Island	0.604658483	0.892058216	0.2873997	0.000453
cg13726563	chr13	Open Sea	0.508397257	0.7950605	0.2866632	0.038645
cg07737175	chr13	Open Sea	0.49208489	0.778449924	0.286365	0.003974
cg18577167	chr13	Open Sea	0.596572497	0.882163467	0.285591	5.13E-06
cg24148663	chr13	North Shelf	0.612669961	0.897798092	0.2851281	5.16E-06
cg18396626	chr13	Open Sea	0.581579416	0.865346735	0.2837673	1.81E-05
cg03853945	chr13	Open Sea	0.250387464	0.533825018	0.2834376	0.013173
cg23522788	chr13	North Shelf	0.64708553	0.928381874	0.2812963	0.000185
cg04325130	chr13	Open Sea	0.477197874	0.757926764	0.2807289	0.001528
cg26650383	chr13	North Shelf	0.54715865	0.826499819	0.2793412	0.003573
cg18902109	chr13	Open Sea	0.577521301	0.855682494	0.2781612	8.68E-06
cg17157462	chr13	Open Sea	0.617739386	0.895493316	0.2777539	4.22E-05
cg11696108	chr13	Open Sea	0.57931658	0.854297517	0.2749809	0.003676
cg08029014	chr13	Open Sea	0.62674164	0.90008368	0.273342	8.97E-05
cg22075222	chr13	South Shelf	0.603317389	0.876565556	0.2732482	2.77E-05
cg05623781	chr13	Island	0.65985252	0.933018462	0.2731659	5.96E-06
cg01561807	chr13	Open Sea	0.61994355	0.890229629	0.2702861	4.49E-05

cg12989057	chr13	Open Sea	0.533383489	0.802830336	0.2694468	2.77E-05
cg18960389	chr13	Island	0.626103006	0.89480093	0.2686979	0.001993
cg01756536	chr13	South Shelf	0.460551378	0.728832508	0.2682811	5.2E-05
cg20901032	chr13	Open Sea	0.644126778	0.91224471	0.2681179	0.000279
cg02897974	chr13	South Shelf	0.523976568	0.791966929	0.2679904	0.008641
cg01665118	chr13	Open Sea	0.58284678	0.847979465	0.2651327	0.000235
cg23326536	chr13	North Shore	0.61793695	0.881564328	0.2636274	0.004964
cg09959790	chr13	Open Sea	0.610408662	0.873212437	0.2628038	0.000205
cg21605238	chr13	South Shelf	0.532334601	0.795032056	0.2626975	0.000332
cg01406072	chr13	South Shore	0.557536281	0.820089908	0.2625536	0.022165
cg12682367	chr13	Open Sea	0.434127776	0.694121645	0.2599939	0.001476
cg03608515	chr13	Open Sea	0.603353242	0.863153934	0.2598007	0.005153
cg26879741	chr13	Open Sea	0.566776215	0.82536844	0.2585922	0.003436
cg09557341	chr13	Open Sea	0.591586923	0.850049704	0.2584628	0.023052
cg24965791	chr13	North Shore	0.608667356	0.86693106	0.2582637	0.000325
cg11912948	chr13	Open Sea	0.60212985	0.859331239	0.2572014	2.94E-06
cg06722606	chr13	Open Sea	0.486527701	0.740096359	0.2535687	0.009412
cg15828353	chr13	Open Sea	0.5658817	0.81917615	0.2532945	0.009935
cg15617853	chr13	Open Sea	0.650404425	0.902344168	0.2519397	0.000158
cg14479139	chr13	Open Sea	0.561055229	0.812647042	0.2515918	0.000155
cg17576736	chr13	Open Sea	0.471432137	0.722391606	0.2509595	0.023074
cg18182438	chr13	Open Sea	0.373802581	0.62446465	0.2506621	0.009544
cg02994463	chr13	Open Sea	0.556016355	0.806586793	0.2505704	0.001015
cg07260062	chr13	North Shelf	0.616731002	0.86725329	0.2505223	0.004026
cg26127925	chr13	North Shelf	0.585970536	0.83610059	0.2501301	0.039898
cg13048903	chr13	South Shelf	0.400750646	0.649776383	0.2490257	0.007049
cg18475128	chr13	South Shelf	0.670271716	0.919155926	0.2488842	9.43E-06
cg01876492	chr13	South Shore	0.642355038	0.890675185	0.2483201	0.000492
cg22888967	chr13	South Shore	0.387262864	0.635403316	0.2481405	4.56E-06
cg14094164	chr13	Open Sea	0.597948424	0.842102573	0.2441541	0.039029
cg23648516	chr13	Open Sea	0.616868848	0.860810926	0.2439421	4.46E-05
cg21367957	chr13	South Shelf	0.628063077	0.87143759	0.2433745	0.000342
cg08453811	chr13	Open Sea	0.638111369	0.881470979	0.2433596	0.000891
cg18412546	chr13	Open Sea	0.624049045	0.865852575	0.2418035	0.000322
cg21459486	chr13	Open Sea	0.577117319	0.818460164	0.2413428	0.005243
cg20857416	chr13	North Shelf	0.571550051	0.812882245	0.2413322	0.000501
cg14855529	chr13	Open Sea	0.588654562	0.829099241	0.2404447	0.006394
cg19234894	chr13	Open Sea	0.645381192	0.884500241	0.239119	0.002016
cg06870073	chr13	Open Sea	0.551168186	0.789504881	0.2383367	0.01943
cg24306422	chr13	Open Sea	0.631226766	0.869399611	0.2381728	0.00328
cg06565548	chr13	Open Sea	0.646558556	0.884269277	0.2377107	1.65E-05
cg20430656	chr13	Open Sea	0.55582992	0.793351819	0.2375219	0.001471
cg21045575	chr13	Open Sea	0.460168818	0.696663575	0.2364948	0.003652
cg03254538	chr13	South Shore	0.450610485	0.686697539	0.2360871	4.22E-05
cg12159259	chr13	Open Sea	0.522498769	0.758522369	0.2360236	1.21E-08
cg09955012	chr13	Open Sea	0.590892104	0.826298139	0.235406	0.000619
cg12593431	chr13	South Shore	0.540272933	0.775547703	0.2352748	0.000652
cg00451105	chr13	North Shore	0.481984766	0.716803832	0.2348191	1.99E-05
cg13776476	chr13	South Shelf	0.688216493	0.922959495	0.234743	0.002528
cg08799967	chr13	Open Sea	0.627350656	0.862079973	0.2347293	0.000124

cg01030081	chr13	Open Sea	0.66029477	0.894438384	0.2341436	0.000136
cg08879684	chr13	South Shore	0.654037716	0.887992742	0.233955	0.001334
cg27285197	chr13	Open Sea	0.66853123	0.902374571	0.2338433	0.00126
cg26306530	chr13	Open Sea	0.672306794	0.905448089	0.2331413	0.000147
cg07842635	chr13	Open Sea	0.498782889	0.731189383	0.2324065	0.00138
cg20537886	chr13	Open Sea	0.305847008	0.536845131	0.2309981	0.022096
cg27097973	chr13	Open Sea	0.57004719	0.800702955	0.2306558	0.000105
cg25623522	chr13	Open Sea	0.622571734	0.851642828	0.2290711	5.85E-05
cg17889439	chr13	Open Sea	0.619466452	0.848525281	0.2290588	0.000313
cg11644891	chr13	Open Sea	0.64786464	0.876172224	0.2283076	0.000255
cg23002238	chr13	Open Sea	0.454965608	0.682879589	0.227914	0.017279
cg13282691	chr13	Open Sea	0.524708795	0.752217216	0.2275084	0.032871
cg02570298	chr13	Open Sea	0.593762926	0.820845566	0.2270826	0.000301
cg05265257	chr13	Open Sea	0.607518781	0.834563771	0.227045	3.05E-05
cg03214977	chr13	South Shelf	0.604389876	0.831098517	0.2267086	0.001804
cg22788065	chr13	Open Sea	0.480270813	0.706411313	0.2261405	0.004362
cg03830181	chr13	Open Sea	0.481216843	0.706792355	0.2255755	0.001508
cg07403258	chr13	Island	0.641307079	0.866097803	0.2247907	0.004188
cg03797537	chr13	South Shelf	0.667238828	0.891585907	0.2243471	0.001028
cg03274669	chr13	Open Sea	0.67460092	0.897943288	0.2233424	0.001035
cg21418534	chr13	Open Sea	0.606586212	0.829886129	0.2232999	0.00584
cg03625684	chr13	Open Sea	0.452993919	0.674966322	0.2219724	0.036154
cg22954906	chr13	Open Sea	0.67532576	0.895603951	0.2202782	0.002819
cg06038599	chr13	North Shelf	0.67552937	0.895639532	0.2201102	0.001185
cg11345210	chr13	Open Sea	0.667252199	0.887219012	0.2199668	0.000266
cg07994859	chr13	Open Sea	0.631154382	0.84953062	0.2183762	0.02891
cg13080336	chr13	Open Sea	0.567142657	0.785385624	0.218243	0.012549
cg09671187	chr13	Open Sea	0.604549008	0.822760743	0.2182117	4.4E-05
cg03800844	chr13	Open Sea	0.612150859	0.829494881	0.217344	0.005336
cg26578408	chr13	Open Sea	0.508298002	0.725139531	0.2168415	0.017936
cg12242579	chr13	Open Sea	0.646897405	0.863686256	0.2167889	0.010309
cg06531870	chr13	Open Sea	0.324868087	0.540614746	0.2157467	0.004175
cg14222574	chr13	Open Sea	0.390827649	0.603720093	0.2128924	0.030035
cg05014103	chr13	Open Sea	0.502694924	0.715399722	0.2127048	0.001029
cg25641745	chr13	Open Sea	0.662427601	0.874824383	0.2123968	0.000105
cg10628699	chr13	Open Sea	0.699280703	0.911548432	0.2122677	0.000147
cg05447102	chr13	Open Sea	0.489826224	0.702004506	0.2121783	0.018589
cg23440520	chr13	Open Sea	0.661684932	0.873508798	0.2118239	0.000896
cg12351768	chr13	Open Sea	0.650446118	0.861987697	0.2115416	0.010177
cg05430997	chr13	Open Sea	0.728199742	0.939207432	0.2110077	9.91E-05
cg00513564	chr13	Open Sea	0.564576189	0.775270816	0.2106946	0.023883
cg19759107	chr13	Open Sea	0.67581614	0.886003468	0.2101873	0.000976
cg14634515	chr13	Open Sea	0.628682123	0.83871574	0.2100336	0.000825
cg11025972	chr13	North Shore	0.642167545	0.851638845	0.2094713	0.036312
cg14924131	chr13	Open Sea	0.647687672	0.85664356	0.2089559	0.002465
cg22709985	chr13	North Shore	0.738742155	0.946761231	0.2080191	7.3E-05
cg22032900	chr13	North Shore	0.622086176	0.829773126	0.2076869	0.003058
cg19674937	chr13	Open Sea	0.690290376	0.896829365	0.206539	0.001796
cg15627136	chr13	South Shore	0.421789894	0.626699792	0.2049099	0.001945
cg03042692	chr13	Open Sea	0.615753044	0.82052314	0.2047701	0.001677

cg27650699	chr13	Open Sea	0.651595808	0.856052021	0.2044562	0.004574
cg03560416	chr13	South Shore	0.624123017	0.827576982	0.203454	0.014515
cg21121616	chr13	South Shore	0.393569606	0.596826164	0.2032566	0.000115
cg13930220	chr13	Open Sea	0.718003284	0.921150654	0.2031474	0.000473
cg11116200	chr13	Open Sea	0.681241086	0.883566282	0.2023252	0.006392
cg18662080	chr13	Open Sea	0.427824102	0.630067161	0.2022431	0.001661
cg21090182	chr13	Open Sea	0.615029429	0.816881593	0.2018522	0.000167
cg24586528	chr13	Open Sea	0.557284431	0.758028353	0.2007439	0.010637
cg01702312	chr13	South Shore	0.702365042	0.902972432	0.2006074	0.000184
cg15471388	chr14	Open Sea	0.339015116	0.793281753	0.4542666	0.022447
cg01863964	chr14	Open Sea	0.40584771	0.839314973	0.4334673	0.000873
cg09852209	chr14	North Shore	0.360975819	0.769569436	0.4085936	0.016332
cg18836485	chr14	Open Sea	0.423553633	0.818923927	0.3953703	0.009685
cg16440331	chr14	Open Sea	0.49236604	0.884793268	0.3924272	7.47E-08
cg00175487	chr14	Open Sea	0.481506074	0.861750958	0.3802449	0.000207
cg20600205	chr14	Open Sea	0.53274901	0.911485707	0.3787367	8.04E-10
cg01270241	chr14	Open Sea	0.493532549	0.870867101	0.3773346	7.8E-05
cg14910227	chr14	Open Sea	0.522969068	0.896158804	0.3731897	3.05E-05
cg07431973	chr14	Open Sea	0.29765311	0.669314764	0.3716617	0.017336
cg23900681	chr14	Open Sea	0.447324883	0.818194619	0.3708697	8.97E-08
cg14449958	chr14	Open Sea	0.310561489	0.681221689	0.3706602	0.042746
cg21182196	chr14	South Shore	0.387536781	0.756647593	0.3691108	0.011303
cg13519191	chr14	Open Sea	0.384600363	0.747805684	0.3632053	0.00525
cg07511317	chr14	Open Sea	0.570310705	0.920744225	0.3504335	1.39E-06
cg18961788	chr14	Open Sea	0.459881184	0.809706141	0.349825	0.001128
cg21230021	chr14	North Shore	0.535234564	0.882870487	0.3476359	1.17E-06
cg00831276	chr14	North Shore	0.352291748	0.69642058	0.3441288	0.027882
cg13995230	chr14	Open Sea	0.388807747	0.73093895	0.3421312	0.000142
cg10734581	chr14	Open Sea	0.354097232	0.695518752	0.3414215	0.011381
cg16324314	chr14	Open Sea	0.548292694	0.887671624	0.3393789	0.000183
cg11035122	chr14	Open Sea	0.523527123	0.859451213	0.3359241	0.001119
cg00941900	chr14	Open Sea	0.540363598	0.874453633	0.33409	0.000415
cg23029159	chr14	Open Sea	0.553803947	0.880246874	0.3264429	0.000153
cg14131376	chr14	Open Sea	0.5716772	0.89795012	0.3262729	0.001759
cg14171418	chr14	Open Sea	0.557718855	0.880731103	0.3230122	0.007071
cg23811289	chr14	Open Sea	0.426062517	0.748473918	0.3224114	0.001835
cg16590691	chr14	South Shore	0.618203825	0.937336585	0.3191328	6.83E-06
cg19714865	chr14	North Shelf	0.629677262	0.945740049	0.3160628	8.97E-08
cg04260307	chr14	Open Sea	0.582081581	0.897956846	0.3158753	3.69E-06
cg12205669	chr14	Open Sea	0.599318421	0.914199837	0.3148814	2.74E-06
cg15874390	chr14	Open Sea	0.424104018	0.737247551	0.3131435	0.027483
cg10237148	chr14	South Shelf	0.555413506	0.865799071	0.3103856	1.81E-05
cg11777870	chr14	Open Sea	0.583472236	0.89288815	0.3094159	2.21E-05
cg13965707	chr14	Open Sea	0.605789505	0.914309263	0.3085198	3.92E-05
cg16725974	chr14	Open Sea	0.612129622	0.919880331	0.3077507	3.5E-07
cg01802121	chr14	Open Sea	0.455693045	0.761287263	0.3055942	0.004829
cg04784410	chr14	Open Sea	0.229068021	0.534313351	0.3052453	0.00265
cg03401464	chr14	Open Sea	0.392568298	0.695627529	0.3030592	0.00265
cg04738877	chr14	South Shore	0.621848403	0.924075278	0.3022269	1.23E-06
cg05351785	chr14	Open Sea	0.470969238	0.769981088	0.2990118	0.017596

cg26405841	chr14	Open Sea	0.625745169	0.922664683	0.2969195	2.21E-06
cg18455364	chr14	North Shelf	0.601305066	0.897538449	0.2962334	2.74E-06
cg14334338	chr14	Open Sea	0.603079151	0.897326421	0.2942473	7.8E-06
cg10472263	chr14	Open Sea	0.570623931	0.864312933	0.293689	6.36E-05
cg18450130	chr14	Open Sea	0.616077996	0.908505131	0.2924271	1E-05
cg09279803	chr14	Open Sea	0.658235741	0.949943322	0.2917076	9.29E-07
cg01862897	chr14	Open Sea	0.440473117	0.731703435	0.2912303	0.00148
cg03561338	chr14	Open Sea	0.558097479	0.84877943	0.290682	4.27E-06
cg11737413	chr14	South Shore	0.609353104	0.8967566	0.2874035	0.00064
cg22884674	chr14	Open Sea	0.613633742	0.899278964	0.2856452	1.02E-06
cg05218696	chr14	Open Sea	0.5906338	0.872249357	0.2816156	0.022195
cg16693870	chr14	Open Sea	0.665620163	0.946154019	0.2805339	2.28E-05
cg11177858	chr14	South Shelf	0.600552208	0.880835074	0.2802829	8.81E-07
cg03019112	chr14	Open Sea	0.557638132	0.837667735	0.2800296	0.000197
cg26238975	chr14	Open Sea	0.559608152	0.835989826	0.2763817	0.000132
cg02148547	chr14	North Shore	0.595536046	0.871845695	0.2763096	0.001396
cg01200264	chr14	Open Sea	0.607442702	0.882820845	0.2753781	0.001597
cg24965187	chr14	Open Sea	0.609963779	0.884136306	0.2741725	8.41E-06
cg04724807	chr14	Open Sea	0.58908884	0.862155128	0.2730663	1.92E-05
cg11763914	chr14	Open Sea	0.578244429	0.850904116	0.2726597	0.007866
cg18261657	chr14	Island	0.648299587	0.918875917	0.2705763	0.002256
cg14166701	chr14	Open Sea	0.417188774	0.686515977	0.2693272	0.003871
cg04191306	chr14	Open Sea	0.631531198	0.897334105	0.2658029	2.48E-05
cg01163366	chr14	Open Sea	0.607995032	0.873472562	0.2654775	0.005147
cg15444358	chr14	South Shore	0.319862321	0.585327515	0.2654652	0.0002
cg00166915	chr14	Open Sea	0.632584561	0.896007819	0.2634233	0.000921
cg16336989	chr14	Open Sea	0.614472076	0.876146059	0.261674	4.14E-05
cg13250679	chr14	South Shore	0.588961603	0.84987153	0.2609099	0.008158
cg10426658	chr14	Open Sea	0.584722831	0.84235264	0.2576298	1.74E-05
cg05958352	chr14	Open Sea	0.669659373	0.926913942	0.2572546	1.76E-05
cg13097800	chr14	Open Sea	0.349104533	0.605616479	0.2565119	0.041391
cg03050096	chr14	North Shore	0.581608623	0.837939967	0.2563313	0.000395
cg03562978	chr14	Open Sea	0.482667063	0.738991239	0.2563242	0.015951
cg05859308	chr14	Open Sea	0.603774284	0.858746373	0.2549721	0.022165
cg19827511	chr14	North Shore	0.639571457	0.894277798	0.2547063	0.004615
cg01860774	chr14	North Shore	0.547988156	0.80261774	0.2546296	0.007087
cg03496520	chr14	Open Sea	0.551730938	0.806328905	0.254598	0.031901
cg19603100	chr14	Open Sea	0.64430109	0.898264267	0.2539632	1.27E-05
cg05348084	chr14	Open Sea	0.575090259	0.829047021	0.2539568	0.001451
cg20067612	chr14	Open Sea	0.652892519	0.905620642	0.2527281	4.39E-06
cg18440069	chr14	Open Sea	0.647155036	0.898965451	0.2518104	8.26E-05
cg24082368	chr14	Open Sea	0.508056595	0.758532015	0.2504754	0.000193
cg27074221	chr14	Open Sea	0.584334563	0.834434832	0.2501003	0.027973
cg18893311	chr14	Island	0.658485508	0.908577895	0.2500924	0.030399
cg27117476	chr14	North Shore	0.485550287	0.734890416	0.2493401	0.000532
cg07122123	chr14	Open Sea	0.40322501	0.648046213	0.2448212	0.018379
cg20285470	chr14	North Shelf	0.637512119	0.882325365	0.2448132	0.030449
cg05339415	chr14	South Shore	0.266623031	0.510316472	0.2436934	2.93E-05
cg16421467	chr14	Open Sea	0.606309676	0.849409687	0.2431	0.000264
cg10845380	chr14	North Shore	0.685892851	0.928909927	0.2430171	8.28E-05

cg08188555	chr14	North Shore	0.614310667	0.857121187	0.2428105	9.28E-07
cg13718960	chr14	Open Sea	0.652060116	0.894620146	0.24256	3.77E-05
cg20902104	chr14	Open Sea	0.601351705	0.843896784	0.2425451	2.64E-05
cg12831208	chr14	Open Sea	0.658722854	0.900661265	0.2419384	0.000617
cg06366345	chr14	Open Sea	0.659054104	0.900960321	0.2419062	3.28E-05
cg23965459	chr14	South Shore	0.659137536	0.900613422	0.2414759	3.94E-05
cg13608458	chr14	Open Sea	0.648791794	0.889951916	0.2411601	9.99E-05
cg10004481	chr14	Open Sea	0.645321627	0.886066837	0.2407452	5.79E-05
cg05153345	chr14	Open Sea	0.672360516	0.912316622	0.2399561	0.000617
cg15880113	chr14	Open Sea	0.628165423	0.867327541	0.2391621	5.35E-05
cg16372520	chr14	Open Sea	0.170835029	0.409991067	0.239156	0.010746
cg18114811	chr14	Open Sea	0.595710664	0.834804018	0.2390934	0.000465
cg26270038	chr14	Open Sea	0.556764691	0.793561102	0.2367964	0.00642
cg18587499	chr14	Open Sea	0.379996729	0.615825348	0.2358286	0.005854
cg11090582	chr14	South Shore	0.540250515	0.77549053	0.23524	0.020403
cg10137253	chr14	Open Sea	0.610174654	0.845296827	0.2351222	0.042537
cg16341690	chr14	Island	0.712717891	0.946983763	0.2342659	0.000133
cg04461867	chr14	Open Sea	0.538793972	0.772428987	0.233635	0.003451
cg23139887	chr14	Open Sea	0.661165148	0.894076281	0.2329111	0.000123
cg01545079	chr14	Open Sea	0.604928342	0.837563233	0.2326349	0.000377
cg08112616	chr14	Open Sea	0.662358486	0.894554329	0.2321958	0.000256
cg18384960	chr14	Open Sea	0.666186634	0.897798772	0.2316121	0.000417
cg01702210	chr14	Open Sea	0.462400694	0.693634995	0.2312343	0.003345
cg19640754	chr14	Open Sea	0.590943836	0.821880477	0.2309366	0.004663
cg25045972	chr14	Open Sea	0.614390821	0.844997132	0.2306063	0.001275
cg19872681	chr14	Open Sea	0.528889484	0.758683397	0.2297939	0.005237
cg19650253	chr14	South Shore	0.527888404	0.757368292	0.2294799	0.021464
cg22897193	chr14	South Shore	0.599291809	0.828301603	0.2290098	7.25E-06
cg22971720	chr14	South Shelf	0.650077601	0.87838392	0.2283063	0.027857
cg13639866	chr14	Open Sea	0.689863733	0.91776572	0.227902	0.000427
cg26267081	chr14	Open Sea	0.55684835	0.784302373	0.227454	0.000404
cg12820006	chr14	Open Sea	0.716914534	0.944071288	0.2271568	0.001009
cg27172568	chr14	North Shore	0.522102928	0.74863286	0.2265299	5.17E-05
cg03918703	chr14	North Shore	0.462978299	0.689143109	0.2261648	0.003633
cg09357761	chr14	Open Sea	0.676634127	0.901925255	0.2252911	0.000151
cg04518304	chr14	Island	0.638281049	0.86245709	0.224176	0.003259
cg01459854	chr14	North Shore	0.606984545	0.83014674	0.2231622	0.007756
cg18642567	chr14	Open Sea	0.588246807	0.81078526	0.2225385	6.52E-06
cg26960833	chr14	Open Sea	0.497104212	0.719615489	0.2225113	6.8E-05
cg16792183	chr14	Open Sea	0.674320587	0.896145008	0.2218244	0.000836
cg21075986	chr14	North Shelf	0.672124175	0.893913398	0.2217892	0.000325
cg20070138	chr14	South Shore	0.718022154	0.939792983	0.2217708	0.000249
cg21513316	chr14	Island	0.650670652	0.871958142	0.2212875	0.000134
cg01649853	chr14	South Shelf	0.63674078	0.856802513	0.2200617	0.008641
cg23714481	chr14	Open Sea	0.434780414	0.654683986	0.2199036	0.000256
cg02975060	chr14	Open Sea	0.691331307	0.910559532	0.2192282	0.007594
cg10907582	chr14	Open Sea	0.573334826	0.792518609	0.2191838	0.043728
cg10931901	chr14	Open Sea	0.599866801	0.818642492	0.2187757	0.03634
cg07929646	chr14	Island	0.641821121	0.860365304	0.2185442	0.002015
cg18367124	chr14	Open Sea	0.516987766	0.73493464	0.2179469	0.000573

cg20021570	chr14	North Shore	0.659068842	0.876833329	0.2177645	1.93E-05
cg01013868	chr14	Open Sea	0.630154025	0.847538496	0.2173845	0.009767
cg26431018	chr14	South Shore	0.557149668	0.773763963	0.2166143	0.002216
cg04732303	chr14	Open Sea	0.628599938	0.844513715	0.2159138	0.000123
cg27292977	chr14	South Shelf	0.601159127	0.816916033	0.2157569	0.002234
cg14001486	chr14	Open Sea	0.665717953	0.881325497	0.2156075	0.021044
cg07502309	chr14	Open Sea	0.620958523	0.835930643	0.2149721	0.007524
cg08240074	chr14	Open Sea	0.695920657	0.910618041	0.2146974	0.000758
cg08050663	chr14	Open Sea	0.518453375	0.732465802	0.2140124	0.00012
cg15875340	chr14	North Shelf	0.636128464	0.850091965	0.2139635	6.73E-05
cg14187585	chr14	Open Sea	0.629273516	0.843190123	0.2139166	0.001211
cg07572927	chr14	South Shelf	0.68481396	0.89685269	0.2120387	0.030834
cg11191390	chr14	Open Sea	0.541849508	0.75372119	0.2118717	0.045221
cg27504299	chr14	Open Sea	0.680734249	0.892186035	0.2114518	0.001462
cg02028524	chr14	South Shore	0.545759627	0.756368226	0.2106086	0.034977
cg18815018	chr14	Open Sea	0.67461417	0.884757873	0.2101437	0.000279
cg21853587	chr14	Open Sea	0.588490953	0.798412118	0.2099212	0.001418
cg15830544	chr14	South Shore	0.440185902	0.649867825	0.2096819	0.001472
cg09293488	chr14	Open Sea	0.706321567	0.91589054	0.209569	0.000185
cg08209104	chr14	Open Sea	0.512451697	0.72176566	0.209314	0.021558
cg01736164	chr14	Open Sea	0.552785137	0.761317925	0.2085328	0.035993
cg01715680	chr14	Open Sea	0.617865154	0.826186263	0.2083211	0.006932
cg09940861	chr14	Island	0.532733033	0.7408138	0.2080808	0.042935
cg18603483	chr14	Open Sea	0.642626591	0.850202854	0.2075763	0.005309
cg23368458	chr14	South Shelf	0.670667983	0.877978243	0.2073103	0.001794
cg26146988	chr14	South Shelf	0.693891504	0.900870413	0.2069789	0.000462
cg20981184	chr14	North Shelf	0.483113972	0.690065002	0.206951	0.000592
cg09271279	chr14	Open Sea	0.35433384	0.560833019	0.2064992	9.66E-05
cg03290602	chr14	Open Sea	0.694141119	0.900206834	0.2060657	0.000738
cg14030940	chr14	North Shelf	0.727801518	0.933532665	0.2057311	0.001138
cg13766642	chr14	South Shore	0.70893416	0.913727946	0.2047938	0.000261
cg11820913	chr14	Open Sea	0.663649796	0.868178255	0.2045285	0.037441
cg16410171	chr14	Open Sea	0.445226969	0.649147667	0.2039207	0.000873
cg22969666	chr14	South Shelf	0.609511169	0.813102911	0.2035917	0.006118
cg18185987	chr14	Open Sea	0.646779204	0.849037333	0.2022581	0.003697
cg21178618	chr14	Open Sea	0.68264046	0.884282217	0.2016418	0.001675
cg00395657	chr14	Open Sea	0.630172103	0.831718865	0.2015468	0.042222
cg07258507	chr14	Open Sea	0.430513621	0.631825461	0.2013118	0.000303
cg20250250	chr14	Open Sea	0.638229241	0.839090608	0.2008614	4.78E-05
cg11792470	chr14	Island	0.728920887	0.928937859	0.200017	0.005751
cg19375854	chr15	Open Sea	0.4233131	0.889066032	0.4657529	0.000571
cg09657114	chr15	Open Sea	0.43185989	0.893336881	0.461477	1.66E-07
cg05169988	chr15	Open Sea	0.373977553	0.816034685	0.4420571	0.036569
cg08633249	chr15	Open Sea	0.37652055	0.788656572	0.412136	1.25E-05
cg10451116	chr15	Open Sea	0.487323983	0.89658818	0.4092642	0.000419
cg13151645	chr15	South Shelf	0.516709961	0.912874419	0.3961645	6.07E-10
cg05415308	chr15	North Shore	0.334308359	0.730443206	0.3961348	0.024195
cg24135293	chr15	Open Sea	0.548714525	0.934183673	0.3854691	7.96E-09
cg06232205	chr15	Open Sea	0.259715086	0.644238433	0.3845233	0.000453
cg11829253	chr15	South Shore	0.502562186	0.885969038	0.3834069	2.21E-08



cg01626493	chr15	Open Sea	0.476158393	0.857006833	0.3808484	3.84E-08
cg03441710	chr15	Open Sea	0.453774143	0.832232675	0.3784585	7.11E-05
cg12655112	chr15	North Shelf	0.413982965	0.778648336	0.3646654	0.047098
cg12030298	chr15	Open Sea	0.365309328	0.727600186	0.3622909	0.001317
cg01771462	chr15	Open Sea	0.556185894	0.915217391	0.3590315	2.29E-05
cg12736760	chr15	Open Sea	0.570314381	0.921242426	0.350928	4.85E-08
cg09651136	chr15	South Shore	0.435973346	0.786811837	0.3508385	0.0141
cg24495350	chr15	Open Sea	0.473808749	0.812503838	0.3386951	0.001499
cg06719949	chr15	Open Sea	0.47253337	0.808573168	0.3360398	3.24E-06
cg12217971	chr15	Open Sea	0.338051394	0.671183614	0.3331322	0.041542
cg13858909	chr15	Open Sea	0.562708029	0.894164734	0.3314567	6.56E-06
cg19606131	chr15	Open Sea	0.448615978	0.779366232	0.3307503	0.00067
cg06729034	chr15	Open Sea	0.571631894	0.900481299	0.3288494	2.99E-06
cg13614617	chr15	South Shelf	0.507001093	0.834306442	0.3273053	0.00145
cg26572608	chr15	North Shore	0.487663231	0.812405632	0.3247424	0.003813
cg21767702	chr15	Open Sea	0.414888804	0.737699786	0.322811	5.9E-08
cg13488011	chr15	Open Sea	0.523976023	0.84668368	0.3227077	0.008702
cg10545250	chr15	North Shore	0.613801397	0.936329499	0.3225281	5.15E-07
cg26317318	chr15	South Shelf	0.497864068	0.814297343	0.3164333	0.00012
cg09353563	chr15	Open Sea	0.586250225	0.901453898	0.3152037	3.48E-05
cg08642292	chr15	Open Sea	0.478997963	0.793052811	0.3140548	3.48E-05
cg24361079	chr15	Open Sea	0.544870172	0.857248577	0.3123784	0.008905
cg01735277	chr15	South Shelf	0.588589158	0.898458022	0.3098689	0.000379
cg13343392	chr15	Open Sea	0.505980078	0.815349192	0.3093691	0.01516
cg23518037	chr15	Open Sea	0.357528056	0.665227999	0.3076999	2.37E-05
cg13944105	chr15	Open Sea	0.534433962	0.840733598	0.3062996	0.004332
cg27358936	chr15	Open Sea	0.381615965	0.686419411	0.3048034	0.011209
cg04096150	chr15	Open Sea	0.56701607	0.86983055	0.3028145	3.59E-05
cg02750133	chr15	Open Sea	0.564854204	0.867556021	0.3027018	3.62E-06
cg08121164	chr15	North Shore	0.482896687	0.784864511	0.3019678	0.036069
cg12056138	chr15	Island	0.59829448	0.894462835	0.2961684	6.84E-06
cg13571319	chr15	Open Sea	0.605162795	0.900499273	0.2953365	5.78E-05
cg02272429	chr15	Open Sea	0.580147442	0.874195329	0.2940479	2.46E-05
cg09500738	chr15	Open Sea	0.523143313	0.815832614	0.2926893	0.020455
cg03036214	chr15	Open Sea	0.329947303	0.620035831	0.2900885	0.040036
cg16800228	chr15	Open Sea	0.616232012	0.904534676	0.2883027	8.2E-08
cg18464991	chr15	Open Sea	0.305316807	0.593356114	0.2880393	0.027723
cg24700823	chr15	Open Sea	0.629566098	0.915516708	0.2859506	0.000737
cg02287685	chr15	Open Sea	0.635809655	0.92158803	0.2857784	0.000512
cg10479097	chr15	North Shelf	0.62789337	0.913579326	0.285686	4.44E-06
cg05971934	chr15	Open Sea	0.502379363	0.786981512	0.2846021	0.011754
cg17171920	chr15	Open Sea	0.652042144	0.93613157	0.2840894	6.23E-05
cg16966261	chr15	Open Sea	0.604083559	0.885780925	0.2816974	0.002869
cg02585142	chr15	North Shelf	0.625384439	0.906195152	0.2808107	1.42E-06
cg13038025	chr15	Open Sea	0.481532278	0.762023004	0.2804907	0.039962
cg05852824	chr15	Open Sea	0.439165578	0.719499265	0.2803337	0.014273
cg22776451	chr15	Open Sea	0.479020257	0.758968487	0.2799482	0.003403
cg18581777	chr15	Open Sea	0.594099922	0.873491213	0.2793913	0.000112
cg13615100	chr15	Open Sea	0.533052959	0.811964761	0.2789118	0.004049
cg22291711	chr15	Open Sea	0.524704501	0.801309255	0.2766048	0.000179

cg12648213	chr15	Open Sea	0.639797626	0.914540021	0.2747424	0.000128
cg23902454	chr15	Open Sea	0.631463439	0.905010606	0.2735472	2.74E-06
cg21221455	chr15	South Shore	0.589984634	0.863230299	0.2732457	0.020478
cg27084736	chr15	Open Sea	0.594615148	0.867639906	0.2730248	0.000524
cg25605243	chr15	Open Sea	0.534865471	0.807052576	0.2721871	0.00559
cg25863735	chr15	Open Sea	0.520960103	0.792672175	0.2717121	7.49E-05
cg01041256	chr15	North Shelf	0.618062851	0.889748311	0.2716855	1.39E-05
cg12732548	chr15	Open Sea	0.567032647	0.836605114	0.2695725	0.000415
cg19686152	chr15	North Shore	0.341216547	0.610252145	0.2690356	6.49E-07
cg16720005	chr15	North Shore	0.509402317	0.773294486	0.2638922	0.001491
cg24447890	chr15	Open Sea	0.460619785	0.719928231	0.2593084	4.46E-06
cg07148167	chr15	North Shelf	0.629474527	0.887611404	0.2581369	0.00021
cg01878366	chr15	Open Sea	0.482509141	0.740275365	0.2577662	0.035085
cg05387565	chr15	Open Sea	0.456446114	0.712252262	0.2558061	1.25E-05
cg16920418	chr15	Open Sea	0.583312594	0.839036159	0.2557236	1.24E-05
cg23154781	chr15	Open Sea	0.588227393	0.843320658	0.2550933	0.002439
cg03351248	chr15	North Shore	0.641012595	0.895789393	0.2547768	0.00069
cg09086964	chr15	Open Sea	0.602302802	0.857030139	0.2547273	0.000397
cg13182816	chr15	Open Sea	0.57012262	0.82483224	0.2547096	0.009493
cg11412248	chr15	North Shelf	0.324093052	0.577815111	0.2537221	0.00233
cg02539274	chr15	Open Sea	0.617621405	0.869288528	0.2516671	4.28E-07
cg10438282	chr15	Open Sea	0.424677376	0.676050966	0.2513736	0.010891
cg21578351	chr15	Open Sea	0.503683362	0.754552018	0.2508687	0.01112
cg05169756	chr15	Open Sea	0.661299568	0.911971299	0.2506717	0.000935
cg26841157	chr15	Open Sea	0.611815607	0.861945064	0.2501295	0.043387
cg26837766	chr15	Open Sea	0.61652048	0.866594755	0.2500743	0.005655
cg18926420	chr15	Open Sea	0.50174352	0.751045703	0.2493022	0.029523
cg00214012	chr15	Open Sea	0.558825026	0.808033488	0.2492085	0.032418
cg12450872	chr15	Open Sea	0.651224098	0.900365301	0.2491412	0.000264
cg19996221	chr15	Open Sea	0.692418159	0.940609324	0.2481912	2.43E-05
cg07728579	chr15	North Shelf	0.542592014	0.789958453	0.2473664	0.001983
cg23709231	chr15	Open Sea	0.538499961	0.782859838	0.2443599	0.010826
cg08942191	chr15	Open Sea	0.627830605	0.871832157	0.2440016	0.000772
cg23413527	chr15	Open Sea	0.608432281	0.852066806	0.2436345	0.009139
cg07488506	chr15	North Shore	0.571149177	0.814594779	0.2434456	0.00299
cg26317549	chr15	Open Sea	0.541654192	0.782655283	0.2410011	0.019148
cg05357347	chr15	Open Sea	0.663792077	0.902408102	0.238616	0.001488
cg27087809	chr15	Open Sea	0.616785225	0.855365294	0.2385801	0.002242
cg25842107	chr15	Open Sea	0.538129354	0.776143296	0.2380139	0.000148
cg19816354	chr15	Open Sea	0.297022725	0.53334023	0.2363175	0.000552
cg17821664	chr15	Open Sea	0.614513299	0.850750655	0.2362374	0.00178
cg05421464	chr15	Open Sea	0.278801758	0.515024466	0.2362227	5.95E-06
cg05501498	chr15	Open Sea	0.575698066	0.811480712	0.2357826	0.000376
cg04139895	chr15	Open Sea	0.634985726	0.870361143	0.2353754	0.00228
cg12437628	chr15	Open Sea	0.650109299	0.884928811	0.2348195	0.000361
cg27496506	chr15	Open Sea	0.652029209	0.886495996	0.2344668	0.000684
cg09459714	chr15	Open Sea	0.636091938	0.870105416	0.2340135	0.000383
cg19847244	chr15	Open Sea	0.650577578	0.884417858	0.2338403	9.04E-05
cg06524553	chr15	Open Sea	0.637468362	0.87076632	0.233298	0.000244
cg19010490	chr15	South Shore	0.577139895	0.808978834	0.2318389	0.030387

cg11540815	chr15	Open Sea	0.630922184	0.861014747	0.2300926	0.043767
cg23253752	chr15	North Shore	0.678203113	0.907554787	0.2293517	1.51E-05
cg22081933	chr15	Island	0.669704012	0.898723725	0.2290197	0.000388
cg21573796	chr15	Open Sea	0.645137169	0.873678336	0.2285412	0.001171
cg13403566	chr15	Open Sea	0.629963635	0.858401176	0.2284375	0.000507
cg01325409	chr15	Open Sea	0.476624016	0.704671025	0.228047	0.003972
cg15840949	chr15	Open Sea	0.675030992	0.902024202	0.2269932	0.000637
cg25021884	chr15	Open Sea	0.581130912	0.807967754	0.2268368	0.003389
cg22299719	chr15	Island	0.679285152	0.905035609	0.2257505	0.000151
cg23935006	chr15	Open Sea	0.630846858	0.856303226	0.2254564	0.000301
cg21177426	chr15	North Shore	0.668736965	0.894058561	0.2253216	0.004599
cg16100530	chr15	Open Sea	0.622670555	0.847439496	0.2247689	0.009165
cg05977671	chr15	Open Sea	0.60722227	0.831696166	0.2244739	0.000993
cg05149284	chr15	North Shelf	0.606163246	0.829744827	0.2235816	0.001449
cg11086410	chr15	Open Sea	0.690300008	0.913672115	0.2233721	0.00142
cg16804165	chr15	South Shelf	0.389906488	0.612535899	0.2226294	0.000332
cg02454802	chr15	Open Sea	0.699895875	0.920817347	0.2209215	5.81E-05
cg13330363	chr15	North Shelf	0.683819468	0.904472204	0.2206527	0.000214
cg13061237	chr15	Island	0.561681781	0.780057478	0.2183757	0.042567
cg19331677	chr15	Island	0.65515041	0.872973805	0.2178234	0.000666
cg15034009	chr15	Open Sea	0.659144828	0.876365453	0.2172206	0.001106
cg03756778	chr15	Open Sea	0.700720055	0.917874628	0.2171546	0.00124
cg13777513	chr15	North Shore	0.591617693	0.808322381	0.2167047	0.009084
cg13074682	chr15	Open Sea	0.636358307	0.851554894	0.2151966	0.000131
cg06852058	chr15	North Shelf	0.673222427	0.887241837	0.2140194	0.000441
cg19991512	chr15	Open Sea	0.506789479	0.720553772	0.2137643	2.98E-08
cg07345510	chr15	South Shore	0.642202436	0.855398428	0.213196	8.78E-05
cg19602938	chr15	Open Sea	0.657266417	0.870387959	0.2131215	0.013035
cg10633664	chr15	Open Sea	0.615689729	0.828313375	0.2126236	0.017036
cg25790435	chr15	Open Sea	0.654310248	0.866365265	0.212055	0.000164
cg03492603	chr15	North Shelf	0.660150631	0.871140613	0.21099	0.001166
cg00090521	chr15	Open Sea	0.455318682	0.66570072	0.210382	0.005108
cg13901000	chr15	Open Sea	0.566734806	0.775807737	0.2090729	0.001964
cg25402228	chr15	North Shelf	0.702752925	0.911404952	0.208652	0.00167
cg05469591	chr15	South Shelf	0.5151265	0.723687386	0.2085609	2.14E-05
cg18827756	chr15	Open Sea	0.632519262	0.840401828	0.2078826	0.037326
cg20368664	chr15	Open Sea	0.717808927	0.924437844	0.2066289	0.000674
cg09783969	chr15	South Shelf	0.410026803	0.61660021	0.2065734	0.013815
cg14422338	chr15	North Shelf	0.706303462	0.91217996	0.2058765	1.73E-05
cg04844175	chr15	Open Sea	0.695489315	0.900837973	0.2053487	0.001926
cg11269295	chr15	Open Sea	0.707958244	0.913298734	0.2053405	0.000143
cg14403327	chr15	North Shore	0.357847497	0.562704924	0.2048574	0.004459
cg10394898	chr15	Open Sea	0.320733691	0.525243111	0.2045094	0.000214
cg27053040	chr15	Open Sea	0.692310483	0.896739368	0.2044289	0.001135
cg02168186	chr15	Open Sea	0.680202389	0.883715852	0.2035135	0.033612
cg00333828	chr15	Open Sea	0.718206044	0.921702542	0.2034965	0.000557
cg24831140	chr15	Open Sea	0.696585523	0.899921974	0.2033365	0.000922
cg15023513	chr15	Open Sea	0.519229879	0.722137701	0.2029078	0.001973
cg17878151	chr15	Open Sea	0.434949724	0.637802615	0.2028529	0.045204
cg12868052	chr15	Open Sea	0.569309922	0.771765818	0.2024559	0.002142

cg17165475	chr15	Open Sea	0.686418598	0.888816386	0.2023978	0.000465
cg20916068	chr15	Open Sea	0.621958948	0.824088128	0.2021292	0.002743
cg22959260	chr15	Open Sea	0.713104523	0.915028102	0.2019236	0.00307
cg12932248	chr15	Open Sea	0.681194533	0.882383253	0.2011887	0.000162
cg05462446	chr16	Open Sea	0.307188394	0.785162293	0.4779739	1.38E-07
cg02451516	chr16	Open Sea	0.448242657	0.918919427	0.4706768	5.81E-10
cg00087792	chr16	Open Sea	0.365458021	0.82983386	0.4643758	0.000121
cg03446244	chr16	Open Sea	0.32767439	0.790979438	0.463305	0.015946
cg07811262	chr16	North Shelf	0.421251071	0.877699458	0.4564484	4.8E-08
cg10364862	chr16	Open Sea	0.465121901	0.912839884	0.447718	1.13E-09
cg26837962	chr16	Open Sea	0.47459179	0.919093124	0.4445013	5.45E-11
cg00549561	chr16	Open Sea	0.494112818	0.93727324	0.4431604	5.69E-12
cg01973778	chr16	Open Sea	0.45111859	0.893780247	0.4426617	0.000684
cg07695272	chr16	South Shelf	0.444143986	0.882881071	0.4387371	0.000895
cg07846061	chr16	North Shore	0.266380821	0.69614657	0.4297657	1.53E-06
cg07705739	chr16	Open Sea	0.445009893	0.87313292	0.428123	0.004224
cg26519342	chr16	South Shore	0.456069193	0.87784448	0.4217753	4.59E-08
cg24794992	chr16	Open Sea	0.434017981	0.842027176	0.4080092	1.7E-07
cg10457079	chr16	Open Sea	0.505544299	0.909829314	0.404285	1.07E-10
cg06485166	chr16	Open Sea	0.534876366	0.937143788	0.4022674	5.27E-09
cg05414254	chr16	North Shore	0.390190165	0.790277892	0.4000877	0.002902
cg09094037	chr16	Open Sea	0.507652998	0.90552043	0.3978674	1.35E-08
cg02637247	chr16	North Shelf	0.356781976	0.754093314	0.3973113	0.043442
cg09232021	chr16	North Shelf	0.529684443	0.923947842	0.3942634	2.25E-07
cg07384019	chr16	Open Sea	0.518303536	0.912343479	0.3940399	0.003776
cg16493071	chr16	North Shelf	0.424751005	0.81604288	0.3912919	0.015844
cg01108642	chr16	Open Sea	0.473915618	0.864813382	0.3908978	5.84E-08
cg07196505	chr16	North Shelf	0.3734507	0.753176329	0.3797256	8.98E-06
cg10333594	chr16	North Shore	0.518797161	0.894540255	0.3757431	4.99E-06
cg03380791	chr16	Open Sea	0.492656067	0.863191412	0.3705353	1.3E-06
cg08365638	chr16	Open Sea	0.445890063	0.816046134	0.3701561	0.001617
cg09635036	chr16	Open Sea	0.456446654	0.826487293	0.3700406	0.007925
cg04806571	chr16	Open Sea	0.506387997	0.874885808	0.3684978	3.66E-07
cg02399788	chr16	Open Sea	0.53864664	0.905498502	0.3668519	3.63E-06
cg06848199	chr16	Open Sea	0.412704567	0.777253267	0.3645487	0.000497
cg09108394	chr16	South Shelf	0.427744534	0.79182771	0.3640832	0.0172
cg02525597	chr16	South Shelf	0.435371354	0.796142448	0.3607711	3.77E-05
cg03616148	chr16	Open Sea	0.405481018	0.765702455	0.3602214	0.001038
cg08878567	chr16	Open Sea	0.438450719	0.797661117	0.3592104	0.047949
cg07297322	chr16	Open Sea	0.556889421	0.914277213	0.3573878	8.38E-05
cg08862366	chr16	Open Sea	0.494100563	0.851397091	0.3572965	7.05E-05
cg04453792	chr16	North Shore	0.519678352	0.874971913	0.3552936	9.83E-09
cg05390712	chr16	Open Sea	0.514422585	0.869076055	0.3546535	8.73E-06
cg04483701	chr16	Open Sea	0.356550969	0.710640975	0.35409	0.044239
cg06288900	chr16	Open Sea	0.443490399	0.793817099	0.3503267	2.83E-05
cg06530903	chr16	North Shelf	0.392937826	0.742581799	0.349644	0.000739
cg05902711	chr16	South Shore	0.374895899	0.723208774	0.3483129	2.67E-06
cg04329347	chr16	North Shore	0.296179161	0.643066235	0.3468871	0.044636
cg07957035	chr16	Open Sea	0.531003771	0.874531636	0.3435279	1.75E-05
cg06537005	chr16	South Shore	0.398519319	0.740110035	0.3415907	0.000254

cg26479028	chr16	Open Sea	0.459459478	0.800613274	0.3411538	3.12E-06
cg01824618	chr16	North Shelf	0.438069833	0.77803346	0.3399636	0.001827
cg00519537	chr16	Open Sea	0.511633909	0.850481287	0.3388474	0.001816
cg07631533	chr16	Open Sea	0.326566395	0.664815468	0.3382491	0.013237
cg05794310	chr16	Open Sea	0.464016588	0.801768095	0.3377515	0.000674
cg00731458	chr16	South Shelf	0.527604439	0.865260188	0.3376557	2.82E-05
cg05187154	chr16	Open Sea	0.506651689	0.844031642	0.33738	0.001655
cg05483125	chr16	South Shelf	0.386926923	0.723511791	0.3365849	0.008132
cg00849365	chr16	Open Sea	0.419250561	0.753916288	0.3346657	6.24E-06
cg05970874	chr16	South Shore	0.475714711	0.808032305	0.3323176	0.000103
cg16587832	chr16	Open Sea	0.57388126	0.90527932	0.3313981	9.8E-06
cg03927470	chr16	Open Sea	0.510683508	0.842042862	0.3313594	4.09E-05
cg19791043	chr16	Island	0.534147482	0.865169389	0.3310219	0.0032
cg01027010	chr16	North Shelf	0.530076375	0.860874674	0.3307983	8.44E-06
cg04475868	chr16	Open Sea	0.569439266	0.898645235	0.329206	8.75E-07
cg04930001	chr16	Open Sea	0.497444516	0.826386366	0.3289418	0.002787
cg09133452	chr16	North Shelf	0.604114712	0.931939343	0.3278246	2.4E-06
cg06389098	chr16	Open Sea	0.494600422	0.819998884	0.3253985	0.000556
cg27662639	chr16	South Shelf	0.472290951	0.796394132	0.3241032	0.00504
cg02168291	chr16	Open Sea	0.549657115	0.873614726	0.3239576	0.000636
cg07570113	chr16	South Shore	0.408074485	0.730496997	0.3224225	0.000133
cg27081230	chr16	Open Sea	0.533180719	0.854215822	0.3210351	0.001604
cg07369559	chr16	Open Sea	0.501580426	0.821486521	0.3199061	0.033847
cg01372939	chr16	Open Sea	0.439288859	0.757088918	0.3178001	0.001908
cg26651339	chr16	Open Sea	0.550421092	0.865915855	0.3154948	0.000431
cg09046979	chr16	South Shore	0.133203044	0.448568452	0.3153654	3.52E-12
cg16774755	chr16	Open Sea	0.547364667	0.862599676	0.315235	1.97E-06
cg04184273	chr16	South Shore	0.463517781	0.778682771	0.315165	0.000319
cg04228742	chr16	Open Sea	0.569042343	0.882843845	0.3138015	5.12E-06
cg27183823	chr16	North Shore	0.613761416	0.922640351	0.3088789	2E-06
cg03840920	chr16	Open Sea	0.623558261	0.930084526	0.3065263	2.65E-07
cg05370094	chr16	North Shore	0.538675941	0.845145105	0.3064692	0.004141
cg16658473	chr16	South Shore	0.388615558	0.694901005	0.3062854	1.7E-05
cg04231019	chr16	South Shelf	0.289007199	0.594164249	0.3051571	0.020385
cg02936347	chr16	Open Sea	0.419986786	0.723619199	0.3036324	0.030244
cg03963720	chr16	North Shelf	0.42212534	0.723161053	0.3010357	0.026041
cg00356208	chr16	Open Sea	0.319455087	0.620189279	0.3007342	0.020539
cg08676510	chr16	Open Sea	0.545057632	0.843515192	0.2984576	0.043026
cg26672573	chr16	Open Sea	0.557297638	0.854553199	0.2972556	0.004603
cg04031411	chr16	Open Sea	0.602931945	0.89965112	0.2967192	0.024652
cg08534055	chr16	South Shelf	0.417647724	0.712519559	0.2948718	0.000136
cg07895124	chr16	Open Sea	0.506909738	0.800751612	0.2938419	0.003737
cg27362010	chr16	North Shore	0.133192512	0.426747118	0.2935546	0.02539
cg04260557	chr16	South Shelf	0.650934132	0.943059699	0.2921256	9.57E-05
cg09256941	chr16	South Shore	0.477655643	0.768831796	0.2911762	0.031654
cg06009685	chr16	South Shelf	0.281959484	0.573068222	0.2911087	0.003604
cg16736889	chr16	Open Sea	0.521524829	0.812117867	0.290593	0.002441
cg01403532	chr16	North Shelf	0.420410621	0.710332535	0.2899219	0.003225
cg02697654	chr16	Open Sea	0.559638756	0.849369237	0.2897305	0.003385
cg02849507	chr16	Open Sea	0.304947898	0.594200288	0.2892524	0.017036

cg05764691	chr16	South Shore	0.561974738	0.850383367	0.2884086	5.28E-05
cg02973961	chr16	North Shore	0.414635311	0.70244128	0.287806	8.92E-05
cg07486170	chr16	Open Sea	0.581646716	0.868370607	0.2867239	0.00063
cg06719334	chr16	Open Sea	0.587674545	0.873525692	0.2858511	0.000183
cg06796709	chr16	Open Sea	0.559799357	0.845290393	0.285491	0.031397
cg03832015	chr16	Open Sea	0.345443457	0.628314617	0.2828712	0.000689
cg02495250	chr16	Open Sea	0.653644245	0.9353279	0.2816837	6.09E-05
cg04721098	chr16	North Shore	0.432956704	0.713611406	0.2806547	0.015218
cg01123787	chr16	South Shore	0.552601762	0.833170588	0.2805688	1.36E-06
cg08066417	chr16	Open Sea	0.469817921	0.750384527	0.2805666	7.54E-05
cg07456201	chr16	South Shelf	0.54845456	0.827836773	0.2793822	0.003214
cg04086239	chr16	Open Sea	0.469127187	0.747736572	0.2786094	0.00058
cg01672042	chr16	Open Sea	0.606737087	0.885313026	0.2785759	1.16E-05
cg27248474	chr16	North Shelf	0.591759109	0.869820516	0.2780614	0.000295
cg06074534	chr16	Open Sea	0.628066475	0.905599848	0.2775334	1.94E-05
cg02556005	chr16	Open Sea	0.497867453	0.774275528	0.2764081	8.73E-05
cg06127746	chr16	North Shore	0.550836615	0.827129055	0.2762924	0.001152
cg01661235	chr16	Open Sea	0.557575755	0.833496796	0.275921	0.034717
cg16413327	chr16	South Shore	0.602311886	0.876997985	0.2746861	0.004926
cg27038676	chr16	Open Sea	0.395675951	0.670072015	0.2743961	7E-05
cg00628919	chr16	Island	0.629521038	0.898366373	0.2688453	2.52E-05
cg02738205	chr16	Open Sea	0.634752071	0.901950119	0.267198	6.02E-05
cg09079882	chr16	North Shore	0.312369442	0.579234642	0.2668652	0.003263
cg08154066	chr16	Open Sea	0.591580827	0.857192469	0.2656116	0.006346
cg03084838	chr16	South Shore	0.362300352	0.627509217	0.2652089	0.011024
cg08390979	chr16	Open Sea	0.435375942	0.699966424	0.2645905	0.000288
cg16762408	chr16	Open Sea	0.628114166	0.891955003	0.2638408	0.000386
cg02086457	chr16	Island	0.607579843	0.871144987	0.2635651	0.00045
cg02073680	chr16	North Shelf	0.512028657	0.774654088	0.2626254	0.007057
cg04811706	chr16	North Shelf	0.485107078	0.746504074	0.261397	0.006899
cg02529523	chr16	Open Sea	0.659747485	0.9196607	0.2599132	0.00012
cg02438026	chr16	Open Sea	0.527297148	0.787022198	0.2597251	0.000467
cg02226672	chr16	Open Sea	0.588309014	0.847799203	0.2594902	0.043771
cg09849600	chr16	Open Sea	0.665424735	0.924782059	0.2593573	3.48E-06
cg24237576	chr16	North Shore	0.563130358	0.822067317	0.258937	1.48E-07
cg02415992	chr16	Open Sea	0.4257419	0.683591936	0.25785	0.049268
cg04915974	chr16	Open Sea	0.641577681	0.898858478	0.2572808	0.007952
cg02633398	chr16	North Shore	0.370821529	0.62801114	0.2571896	0.000188
cg07757094	chr16	Open Sea	0.53470643	0.790989525	0.2562831	0.027286
cg02008627	chr16	Open Sea	0.566061599	0.822162682	0.2561011	0.000446
cg02853850	chr16	South Shelf	0.569699421	0.82500349	0.2553041	0.000169
cg08514311	chr16	Open Sea	0.370259759	0.625136598	0.2548768	0.007441
cg03860054	chr16	South Shore	0.492363027	0.746913288	0.2545503	0.000267
cg02968537	chr16	Open Sea	0.642818984	0.896888768	0.2540698	0.001423
cg07192594	chr16	Open Sea	0.523564343	0.777061041	0.2534967	0.004192
cg16484020	chr16	Open Sea	0.498062962	0.751267205	0.2532042	0.043729
cg06521472	chr16	North Shelf	0.5794567	0.832027708	0.252571	0.00251
cg26665701	chr16	South Shelf	0.601820756	0.853420371	0.2515996	0.003809
cg03366891	chr16	Open Sea	0.584922083	0.836243876	0.2513218	3.85E-05
cg00298919	chr16	Open Sea	0.655902967	0.906881721	0.2509788	0.000165

cg03993839	chr16	Open Sea	0.594330435	0.844179604	0.2498492	0.001781
cg09606925	chr16	South Shelf	0.586092405	0.834071389	0.247979	0.000359
cg08197072	chr16	Open Sea	0.59158254	0.83951133	0.2479288	0.040269
cg26735980	chr16	Open Sea	0.63735308	0.883479856	0.2461268	0.00024
cg03284670	chr16	Open Sea	0.604041134	0.849160392	0.2451193	0.000236
cg08966413	chr16	Open Sea	0.623186885	0.86827267	0.2450858	1.62E-06
cg06886374	chr16	South Shore	0.527502321	0.772318116	0.2448158	0.032021
cg02923340	chr16	North Shore	0.51957077	0.764199253	0.2446285	0.000611
cg07273222	chr16	North Shore	0.550009084	0.794414979	0.2444059	0.002002
cg05938409	chr16	Open Sea	0.647577443	0.891864551	0.2442871	0.002201
cg26586719	chr16	Open Sea	0.590865251	0.834751598	0.2438863	0.010048
cg09996789	chr16	Island	0.6226246	0.866494252	0.2438697	0.000157
cg06786295	chr16	Open Sea	0.604027864	0.847418127	0.2433903	0.007123
cg07711387	chr16	Open Sea	0.543671905	0.786901805	0.2432299	0.011928
cg08047086	chr16	Open Sea	0.320166202	0.562693679	0.2425275	0.011819
cg06402315	chr16	Open Sea	0.626521913	0.868630569	0.2421087	0.001639
cg08304547	chr16	Open Sea	0.660613753	0.902285082	0.2416713	0.000321
cg07950469	chr16	South Shore	0.632462363	0.874004639	0.2415423	0.000374
cg03627489	chr16	Open Sea	0.494497679	0.734725108	0.2402274	0.023468
cg07508446	chr16	Open Sea	0.613841608	0.854010637	0.240169	0.000534
cg27077070	chr16	Open Sea	0.590122992	0.830032185	0.2399092	0.005732
cg04899681	chr16	South Shore	0.303150677	0.542929715	0.239779	0.031598
cg08372350	chr16	North Shore	0.633762468	0.87175164	0.2379892	8.27E-05
cg02888243	chr16	North Shelf	0.470447251	0.707942835	0.2374956	0.043223
cg06293395	chr16	Open Sea	0.675743835	0.912455833	0.236712	2.71E-05
cg16456576	chr16	North Shore	0.650300284	0.886540489	0.2362402	0.000439
cg08353479	chr16	North Shore	0.564074109	0.800100542	0.2360264	2.57E-06
cg07698811	chr16	Open Sea	0.603720598	0.839487778	0.2357672	0.000141
cg07964754	chr16	North Shore	0.546868543	0.782228234	0.2353597	0.027403
cg16508627	chr16	Island	0.663304224	0.898328268	0.235024	8.97E-05
cg16345311	chr16	Open Sea	0.489775955	0.724281379	0.2345054	0.004163
cg21514871	chr16	South Shelf	0.331525054	0.565720091	0.234195	0.020654
cg16359034	chr16	Open Sea	0.583825992	0.817985286	0.2341593	5.15E-05
cg01938514	chr16	Open Sea	0.653299569	0.887176321	0.2338768	0.001457
cg08996445	chr16	South Shelf	0.504551051	0.738229777	0.2336787	0.008491
cg05966923	chr16	South Shelf	0.64682414	0.880204037	0.2333799	9.22E-05
cg04683824	chr16	North Shore	0.489617535	0.722833084	0.2332155	0.044203
cg26699420	chr16	South Shelf	0.450913255	0.683814322	0.2329011	0.013731
cg27612447	chr16	South Shore	0.596356712	0.828883674	0.232527	0.043882
cg09790780	chr16	Open Sea	0.621144945	0.853312455	0.2321675	0.002212
cg08529399	chr16	Open Sea	0.629336069	0.860246767	0.2309107	0.049596
cg00938266	chr16	South Shore	0.709799789	0.939862496	0.2300627	0.000196
cg04388863	chr16	Open Sea	0.658227356	0.887709644	0.2294823	0.000356
cg26605476	chr16	North Shelf	0.579545412	0.807522858	0.2279774	0.000474
cg03804126	chr16	Open Sea	0.568166776	0.796111141	0.2279444	0.045498
cg03973705	chr16	Open Sea	0.532926425	0.760830277	0.2279039	0.014967
cg02205073	chr16	North Shelf	0.516519423	0.74436485	0.2278454	0.048204
cg06718533	chr16	Open Sea	0.658349244	0.885566064	0.2272168	0.000591
cg09001143	chr16	Open Sea	0.634037776	0.861177112	0.2271393	0.016123
cg06841964	chr16	South Shore	0.532248838	0.758463674	0.2262148	0.041419

cg04653364	chr16	Open Sea	0.520010833	0.745867116	0.2258563	1.72E-05
cg02632890	chr16	Island	0.652279454	0.87779789	0.2255184	0.000422
cg02849719	chr16	Island	0.72059291	0.945013246	0.2244203	0.000585
cg09967329	chr16	South Shore	0.644236928	0.867767533	0.2235306	0.002015
cg00465277	chr16	Open Sea	0.362242517	0.585736395	0.2234939	0.022744
cg06424168	chr16	North Shore	0.644439663	0.867108564	0.2226689	0.000438
cg02524622	chr16	North Shelf	0.661243642	0.883642223	0.2223986	0.000208
cg09132909	chr16	Open Sea	0.547080396	0.769407461	0.2223271	0.000453
cg01519508	chr16	Island	0.673269311	0.895460749	0.2221914	0.000461
cg05545808	chr16	Island	0.61239462	0.834528359	0.2221337	7.22E-06
cg01208855	chr16	Open Sea	0.625883471	0.847261302	0.2213778	0.001321
cg06871736	chr16	Island	0.554707549	0.775038425	0.2203309	0.015889
cg08284564	chr16	South Shore	0.586877835	0.807045002	0.2201672	0.045274
cg03040848	chr16	North Shore	0.548572626	0.768580304	0.2200077	0.026238
cg08278002	chr16	Open Sea	0.656434822	0.876408159	0.2199733	0.000833
cg00793562	chr16	North Shore	0.460189844	0.679590117	0.2194003	0.000125
cg27124218	chr16	Open Sea	0.679775801	0.899165194	0.2193894	0.000509
cg08011223	chr16	South Shore	0.68835117	0.907368314	0.2190171	1.12E-05
cg07130639	chr16	North Shore	0.688808613	0.90752765	0.218719	0.000939
cg03554962	chr16	Open Sea	0.521460654	0.740168951	0.2187083	0.011604
cg08688816	chr16	North Shore	0.683550814	0.901625436	0.2180746	3.3E-05
cg02884149	chr16	Island	0.64542228	0.863393789	0.2179715	0.000361
cg06794141	chr16	Open Sea	0.261575871	0.479176598	0.2176007	8.22E-06
cg06204040	chr16	South Shelf	0.636253404	0.853484734	0.2172313	0.008688
cg06979726	chr16	North Shelf	0.665892699	0.88226674	0.216374	0.030532
cg00179196	chr16	Open Sea	0.478013655	0.69401552	0.2160019	0.045165
cg05686118	chr16	Open Sea	0.437560191	0.653495357	0.2159352	0.036458
cg27514538	chr16	Open Sea	0.6048298	0.820289351	0.2154596	0.012918
cg26746669	chr16	Open Sea	0.698957101	0.914098809	0.2151417	0.000596
cg08888510	chr16	Island	0.68479235	0.899432091	0.2146397	0.039757
cg04810063	chr16	North Shelf	0.406058998	0.619320448	0.2132614	0.003135
cg04611161	chr16	Open Sea	0.364364753	0.576948184	0.2125834	0.007901
cg05444556	chr16	North Shelf	0.71385715	0.926416994	0.2125598	0.000533
cg07294323	chr16	South Shore	0.672345135	0.884720965	0.2123758	0.000592
cg06052479	chr16	South Shelf	0.686863264	0.899086879	0.2122236	0.003232
cg07936456	chr16	South Shelf	0.709477375	0.921200746	0.2117234	0.002892
cg02371121	chr16	South Shelf	0.665992342	0.877282431	0.2112901	0.000562
cg05354904	chr16	Island	0.669399986	0.880015822	0.2106158	0.000106
cg27639348	chr16	Open Sea	0.689362853	0.899902605	0.2105398	0.000648
cg08456666	chr16	North Shore	0.690353784	0.900893192	0.2105394	0.000656
cg16414052	chr16	North Shore	0.514647515	0.725077041	0.2104295	0.00766
cg03503785	chr16	Open Sea	0.390314741	0.600013104	0.2096984	0.001182
cg16625119	chr16	Open Sea	0.635615672	0.845147823	0.2095322	0.000108
cg06170425	chr16	North Shore	0.717312564	0.926561237	0.2092487	0.00106
cg16746369	chr16	South Shore	0.670339727	0.879298024	0.2089583	0.005023
cg05944877	chr16	Open Sea	0.630577675	0.838269345	0.2076917	0.031887
cg23092086	chr16	Open Sea	0.678840274	0.886340825	0.2075006	0.001892
cg03607907	chr16	North Shore	0.247968239	0.454452784	0.2064845	3.31E-06
cg01709589	chr16	Open Sea	0.67197765	0.87820778	0.2062301	0.008416
cg06823060	chr16	Open Sea	0.668286625	0.873087108	0.2048005	0.002081



cg05775980	chr16	North Shore	0.706915209	0.911052811	0.2041376	0.019102
cg03447361	chr16	Open Sea	0.424524018	0.628597762	0.2040737	0.004629
cg04713188	chr16	North Shelf	0.666417585	0.870412488	0.2039949	0.00526
cg02485642	chr16	Island	0.634873651	0.838560516	0.2036869	0.006477
cg26844180	chr16	South Shore	0.620213006	0.823120542	0.2029075	0.001108
cg02925248	chr16	North Shore	0.655828812	0.858662859	0.202834	0.013376
cg08177968	chr16	North Shore	0.707475303	0.90942615	0.2019508	0.011927
cg06431604	chr16	North Shelf	0.699963762	0.901277992	0.2013142	6.45E-05
cg02498177	chr16	Open Sea	0.640246266	0.841541764	0.2012955	0.023889
cg08877257	chr16	South Shore	0.629742388	0.830391948	0.2006496	4.41E-05
cg09954348	chr16	North Shelf	0.576325174	0.776382433	0.2000573	0.00653
cg16398362	chr17	North Shore	0.412311296	0.924845811	0.5125345	1.58E-10
cg07309864	chr17	Open Sea	0.374930237	0.883113176	0.5081829	0.000532
cg07329131	chr17	North Shore	0.430707789	0.937364452	0.5066567	1.55E-08
cg25078137	chr17	North Shore	0.336832443	0.836701428	0.499869	0.006385
cg19208681	chr17	North Shore	0.327245899	0.796297612	0.4690517	0.01032
cg12778183	chr17	North Shore	0.488825352	0.947547731	0.4587224	9.39E-11
cg12456432	chr17	South Shelf	0.387359647	0.845831472	0.4584718	0.007199
cg05873137	chr17	Open Sea	0.45126407	0.902927995	0.4516639	5.8E-10
cg03929677	chr17	North Shore	0.416752366	0.859406291	0.4426539	5.36E-10
cg11863863	chr17	Open Sea	0.420557731	0.858697809	0.4381401	2.65E-07
cg20318252	chr17	Open Sea	0.475830453	0.91359988	0.4377694	9.94E-06
cg12491114	chr17	South Shore	0.259300355	0.696740322	0.43744	0.002803
cg00679711	chr17	Open Sea	0.462268722	0.875631147	0.4133624	1.02E-05
cg00697286	chr17	Open Sea	0.372655037	0.782262321	0.4096073	0.022374
cg22798362	chr17	South Shelf	0.486305762	0.892395592	0.4060898	8.53E-05
cg04248364	chr17	Open Sea	0.521807277	0.927462212	0.4056549	5.84E-08
cg23903597	chr17	South Shelf	0.472952068	0.870859622	0.3979076	0.004634
cg03252568	chr17	South Shelf	0.506310475	0.90261293	0.3963025	2.34E-08
cg16768937	chr17	Open Sea	0.416949172	0.812426142	0.395477	1.41E-09
cg19514854	chr17	Open Sea	0.399922145	0.795297244	0.3953751	7.86E-07
cg11465466	chr17	Open Sea	0.512694335	0.907311973	0.3946176	1.19E-06
cg02128572	chr17	Open Sea	0.517853364	0.908525825	0.3906725	7.79E-06
cg18984165	chr17	Open Sea	0.506292463	0.892489849	0.3861974	2.99E-06
cg24361391	chr17	Open Sea	0.401679969	0.783063786	0.3813838	0.021904
cg06217769	chr17	Open Sea	0.346528516	0.727195674	0.3806672	0.0235
cg18749404	chr17	Open Sea	0.521278352	0.901835267	0.3805569	1.04E-06
cg07456480	chr17	Open Sea	0.307677726	0.686109943	0.3784322	0.028327
cg25339112	chr17	North Shore	0.379362273	0.757323703	0.3779614	3.58E-05
cg02753719	chr17	Open Sea	0.432691598	0.810600014	0.3779084	0.032216
cg25750004	chr17	North Shelf	0.455240633	0.829592081	0.3743514	1.26E-05
cg27608102	chr17	North Shelf	0.323591842	0.697841891	0.37425	0.000118
cg08041350	chr17	Open Sea	0.504375294	0.878426434	0.3740511	6.73E-05
cg12742209	chr17	North Shore	0.554345729	0.92820526	0.3738595	1.43E-09
cg27217474	chr17	Island	0.503811552	0.876241553	0.37243	0.000457
cg26673195	chr17	Open Sea	0.26857604	0.639121689	0.3705456	0.016011
cg02666820	chr17	Open Sea	0.53524108	0.904358515	0.3691174	9.9E-08
cg26980978	chr17	Open Sea	0.425097375	0.794016366	0.368919	0.019988
cg11694120	chr17	Open Sea	0.46352372	0.831385383	0.3678617	4.85E-08
cg24650913	chr17	South Shore	0.501190957	0.868937494	0.3677465	6.9E-07

cg02123767	chr17	Open Sea	0.526650491	0.893486866	0.3668364	3.38E-05
cg25227866	chr17	Open Sea	0.534409271	0.895358137	0.3609489	3.81E-08
cg03421358	chr17	Open Sea	0.416316407	0.777201709	0.3608853	0.018237
cg18121946	chr17	South Shelf	0.486916783	0.846443946	0.3595272	0.022454
cg11824564	chr17	South Shore	0.484879867	0.843999295	0.3591194	7.29E-07
cg08966188	chr17	South Shore	0.459687645	0.817917208	0.3582296	3.61E-10
cg06422947	chr17	Open Sea	0.514156371	0.87223963	0.3580833	2.76E-05
cg20663846	chr17	Open Sea	0.413786016	0.771815599	0.3580296	0.004311
cg20271620	chr17	North Shore	0.511079339	0.868591291	0.357512	0.000105
cg12243622	chr17	Open Sea	0.518457577	0.875827598	0.35737	2.56E-06
cg18052222	chr17	South Shelf	0.354766051	0.711832853	0.3570668	0.013476
cg25382652	chr17	Open Sea	0.541276088	0.898151438	0.3568753	8.93E-08
cg12223258	chr17	Open Sea	0.448719447	0.804889946	0.3561705	5.66E-05
cg01430588	chr17	North Shore	0.262298193	0.615420981	0.3531228	0.005592
cg12127162	chr17	Open Sea	0.423343506	0.773755923	0.3504124	1.63E-09
cg25416149	chr17	North Shelf	0.573634541	0.919355037	0.3457205	2.73E-07
cg00011616	chr17	Open Sea	0.447512161	0.789182389	0.3416702	0.007163
cg11068289	chr17	South Shore	0.278077889	0.618153354	0.3400755	0.002143
cg19038490	chr17	Open Sea	0.535466887	0.875080417	0.3396135	0.000453
cg03609435	chr17	Open Sea	0.507898293	0.843306863	0.3354086	0.000139
cg11181726	chr17	South Shelf	0.46893284	0.804313619	0.3353808	0.000454
cg16008158	chr17	North Shelf	0.594208255	0.927630581	0.3334223	3.93E-09
cg26940676	chr17	North Shore	0.495668955	0.828894629	0.3332257	1.72E-06
cg24670000	chr17	South Shelf	0.534819162	0.865278137	0.330459	2.2E-07
cg23402144	chr17	Open Sea	0.53992303	0.870168588	0.3302456	0.025931
cg22647738	chr17	Open Sea	0.454313633	0.783317426	0.3290038	0.006672
cg05046306	chr17	North Shore	0.510856836	0.836860836	0.326004	0.013234
cg17873048	chr17	Island	0.616822256	0.941706097	0.3248838	3.09E-05
cg18009704	chr17	Open Sea	0.541316489	0.865900694	0.3245842	1.27E-05
cg15797314	chr17	Open Sea	0.509356393	0.832824799	0.3234684	0.008086
cg24993735	chr17	Open Sea	0.414235102	0.736722852	0.3224877	4.68E-05
cg27065254	chr17	Open Sea	0.506187776	0.826890195	0.3207024	0.003437
cg03181104	chr17	North Shelf	0.457720858	0.776839477	0.3191186	2.26E-07
cg19786808	chr17	Island	0.539480723	0.858169601	0.3186889	0.009781
cg26921881	chr17	Open Sea	0.424936986	0.742892111	0.3179551	8.12E-06
cg11650648	chr17	Open Sea	0.274532913	0.592225455	0.3176925	2.56E-05
cg19051015	chr17	Island	0.431523396	0.748867214	0.3173438	0.022298
cg20772590	chr17	North Shore	0.416936119	0.733613657	0.3166775	0.014156
cg21204860	chr17	North Shore	0.275067428	0.589807848	0.3147404	0.00184
cg19654743	chr17	North Shore	0.294375252	0.608693229	0.314318	0.002299
cg04995095	chr17	Open Sea	0.529061921	0.842165146	0.3131032	2E-05
cg20830994	chr17	Open Sea	0.319632196	0.632205787	0.3125736	0.029994
cg03803009	chr17	Open Sea	0.53581857	0.847609195	0.3117906	1.37E-06
cg06083483	chr17	Open Sea	0.296699499	0.60783146	0.311132	0.049615
cg12437115	chr17	Open Sea	0.544241106	0.855153946	0.3109128	6.14E-06
cg06755555	chr17	South Shore	0.566623462	0.876883293	0.3102598	2.74E-06
cg00275828	chr17	Open Sea	0.337044328	0.645443934	0.3083996	0.0364
cg04018164	chr17	North Shelf	0.584305702	0.892097703	0.307792	2.36E-06
cg16658020	chr17	Open Sea	0.510065559	0.81686501	0.3067995	7.67E-06
cg06226384	chr17	Open Sea	0.364968599	0.668748062	0.3037795	7.75E-07

cg25304136	chr17	Open Sea	0.535322393	0.837615681	0.3022933	4.51E-05
cg17280134	chr17	Open Sea	0.411958808	0.712443078	0.3004843	0.030899
cg22497847	chr17	North Shore	0.37747767	0.677728417	0.3002507	0.04884
cg05604487	chr17	Open Sea	0.507934862	0.808152898	0.300218	0.014493
cg14234083	chr17	Open Sea	0.450328313	0.749922367	0.2995941	0.00612
cg11583981	chr17	South Shore	0.618309086	0.917389969	0.2990809	8.12E-06
cg11824764	chr17	Open Sea	0.58334152	0.879455471	0.296114	9.78E-07
cg26007445	chr17	Open Sea	0.631239497	0.924921788	0.2936823	5.92E-08
cg13651224	chr17	Open Sea	0.572224164	0.865886231	0.2936621	0.001282
cg11684549	chr17	Open Sea	0.436572089	0.729508633	0.2929365	0.000187
cg11592852	chr17	Open Sea	0.43178798	0.724098614	0.2923106	0.000158
cg27323792	chr17	North Shore	0.617499544	0.908484673	0.2909851	1.08E-07
cg06443231	chr17	Open Sea	0.628461404	0.91912344	0.290662	0.000326
cg08011255	chr17	South Shore	0.249461103	0.538469754	0.2890087	0.037787
cg13415628	chr17	Open Sea	0.604607697	0.891839242	0.2872315	3.67E-07
cg16050028	chr17	Open Sea	0.529038257	0.815918248	0.28688	9.24E-06
cg26109145	chr17	South Shore	0.516560621	0.803063698	0.2865031	0.027823
cg09954813	chr17	Open Sea	0.647922891	0.933326708	0.2854038	3.06E-06
cg04951638	chr17	Open Sea	0.598041226	0.883235391	0.2851942	1.48E-07
cg01278654	chr17	Open Sea	0.464775111	0.748035048	0.2832599	0.007423
cg14885762	chr17	North Shore	0.48004631	0.762852471	0.2828062	0.004626
cg12107247	chr17	Open Sea	0.408517995	0.690010035	0.281492	0.046545
cg04115740	chr17	Open Sea	0.579333058	0.860221476	0.2808884	0.003228
cg08030662	chr17	Open Sea	0.631494037	0.912332707	0.2808387	1.09E-05
cg23760873	chr17	Open Sea	0.589293635	0.869643548	0.2803499	2.29E-05
cg03570232	chr17	Open Sea	0.545764326	0.825806827	0.2800425	0.005976
cg09249101	chr17	Open Sea	0.501407684	0.780476348	0.2790687	0.016106
cg10654584	chr17	Open Sea	0.5277496	0.806774698	0.2790251	0.034935
cg03599891	chr17	North Shelf	0.53708051	0.815059405	0.2779789	0.013955
cg03835038	chr17	Open Sea	0.459230518	0.736779502	0.277549	1.37E-06
cg11661493	chr17	Open Sea	0.584387246	0.861909988	0.2775227	0.046271
cg03728799	chr17	Open Sea	0.45839658	0.73523661	0.27684	0.001218
cg16678925	chr17	Open Sea	0.440826989	0.717563664	0.2767367	0.002314
cg22121495	chr17	Open Sea	0.536102773	0.811488691	0.2753859	0.003919
cg07480367	chr17	Open Sea	0.492644097	0.767763875	0.2751198	0.000182
cg17894008	chr17	Open Sea	0.650440668	0.924469671	0.274029	3.68E-05
cg16637813	chr17	Open Sea	0.526635935	0.800527333	0.2738914	0.028799
cg08459186	chr17	Open Sea	0.607651747	0.88108075	0.273429	0.032779
cg11932707	chr17	Open Sea	0.57060793	0.841461205	0.2708533	2.83E-07
cg05945230	chr17	Open Sea	0.587461172	0.858115	0.2706538	0.00177
cg07941938	chr17	Open Sea	0.608260219	0.878803495	0.2705433	7.11E-05
cg21745595	chr17	Open Sea	0.526798189	0.796125848	0.2693277	0.001129
cg18520696	chr17	North Shelf	0.586820087	0.855451825	0.2686317	0.004638
cg00501366	chr17	Open Sea	0.629250507	0.897085013	0.2678345	0.000359
cg22466653	chr17	North Shore	0.557720347	0.823771163	0.2660508	5.07E-05
cg05784862	chr17	Open Sea	0.392196336	0.656022204	0.2638259	0.04301
cg26963545	chr17	South Shore	0.518498968	0.782317665	0.2638187	9.24E-05
cg05091736	chr17	Open Sea	0.595416229	0.8581247	0.2627085	0.002947
cg07698804	chr17	North Shore	0.519027312	0.781346972	0.2623197	0.000118
cg19442493	chr17	Open Sea	0.329841402	0.591600215	0.2617588	1.23E-06

cg25607161	chr17	Open Sea	0.531218469	0.792346194	0.2611277	0.011025
cg03052469	chr17	North Shore	0.555941095	0.816856216	0.2609151	0.004838
cg03296502	chr17	North Shore	0.574275186	0.834185429	0.2599102	0.004194
cg21925688	chr17	Open Sea	0.586725145	0.845839963	0.2591148	2.95E-06
cg12776756	chr17	South Shelf	0.348702508	0.605622337	0.2569198	1.01E-06
cg18264219	chr17	Open Sea	0.603421613	0.860058769	0.2566372	0.000359
cg16023337	chr17	Open Sea	0.63040303	0.886900861	0.2564978	3.85E-05
cg11478481	chr17	South Shore	0.541917713	0.798345181	0.2564275	0.016945
cg26738437	chr17	Open Sea	0.503519454	0.759793294	0.2562738	1.13E-06
cg18450810	chr17	Open Sea	0.513737544	0.769215624	0.2554781	0.040255
cg08901867	chr17	Open Sea	0.593588548	0.847542777	0.2539542	0.023876
cg21005054	chr17	Open Sea	0.650311391	0.903791872	0.2534805	0.000167
cg20813798	chr17	Open Sea	0.532294752	0.78465242	0.2523577	0.006999
cg02448679	chr17	South Shore	0.518694981	0.770944627	0.2522496	9.57E-07
cg19241878	chr17	Open Sea	0.523091849	0.775038919	0.2519471	0.018089
cg26924392	chr17	Open Sea	0.438140877	0.690054157	0.2519133	0.003202
cg24948406	chr17	Island	0.685577333	0.935812761	0.2502354	0.001501
cg26457700	chr17	North Shore	0.53271818	0.782340254	0.2496221	0.006598
cg25650956	chr17	Open Sea	0.491143806	0.740182433	0.2490386	0.003724
cg03145062	chr17	Open Sea	0.665951158	0.914630927	0.2486798	0.000259
cg03953828	chr17	South Shore	0.404547579	0.653047832	0.2485003	0.000196
cg24878374	chr17	North Shelf	0.630978063	0.879346487	0.2483684	0.048879
cg15668538	chr17	Open Sea	0.623374861	0.871670861	0.248296	0.008432
cg09201238	chr17	Island	0.563003061	0.810796645	0.2477936	0.045582
cg13521991	chr17	Open Sea	0.618498954	0.866014033	0.2475151	0.000989
cg01455398	chr17	Open Sea	0.398954593	0.646171859	0.2472173	0.000376
cg00755287	chr17	Open Sea	0.556869534	0.80382257	0.246953	0.029552
cg03881382	chr17	Open Sea	0.582289735	0.829081913	0.2467922	0.005413
cg25219874	chr17	South Shore	0.676233836	0.922847151	0.2466133	0.000175
cg08973688	chr17	North Shelf	0.456326917	0.702572829	0.2462459	0.016157
cg03882071	chr17	Open Sea	0.550501792	0.796187523	0.2456857	0.019013
cg16034562	chr17	Open Sea	0.629181434	0.87468863	0.2455072	0.008566
cg16764236	chr17	Open Sea	0.579221993	0.823894484	0.2446725	0.002753
cg21016445	chr17	South Shelf	0.534398809	0.778899826	0.244501	0.029039
cg11334406	chr17	South Shore	0.41819857	0.661892346	0.2436938	0.000317
cg22349442	chr17	Open Sea	0.425432206	0.668771236	0.243339	0.024656
cg18098089	chr17	Open Sea	0.63741412	0.880718837	0.2433047	7.41E-05
cg20556988	chr17	Open Sea	0.606986702	0.850065002	0.2430783	0.000401
cg02706575	chr17	Open Sea	0.631213501	0.874288072	0.2430746	3.26E-05
cg14592673	chr17	Open Sea	0.512787879	0.754858209	0.2420703	0.001731
cg15328609	chr17	South Shelf	0.623217027	0.864438125	0.2412211	0.002209
cg03662398	chr17	Open Sea	0.544360948	0.785278002	0.2409171	0.028153
cg07029411	chr17	Open Sea	0.588475862	0.829062344	0.2405865	0.004448
cg25680014	chr17	South Shelf	0.554466468	0.7947001	0.2402336	0.047709
cg23636055	chr17	South Shelf	0.6185383	0.857583937	0.2390456	0.001826
cg11805745	chr17	Open Sea	0.636106604	0.874852354	0.2387457	1.81E-05
cg25748524	chr17	Open Sea	0.646043949	0.884050037	0.2380061	0.008018
cg07835141	chr17	Open Sea	0.541492336	0.77921602	0.2377237	0.000886
cg21509889	chr17	South Shelf	0.397817607	0.635177553	0.2373599	1.54E-05
cg07742017	chr17	North Shelf	0.653115244	0.889852278	0.236737	0.000279

cg24238929	chr17	Open Sea	0.653000201	0.888483455	0.2354833	0.004314
cg10691395	chr17	South Shelf	0.649643357	0.885114514	0.2354712	0.002112
cg18217668	chr17	Open Sea	0.700959274	0.93625663	0.2352974	0.000953
cg26763542	chr17	Open Sea	0.632756391	0.867937356	0.235181	0.001441
cg17170819	chr17	North Shore	0.6108586	0.845589041	0.2347304	0.003944
cg27543385	chr17	Open Sea	0.483520712	0.717508118	0.2339874	0.000747
cg26090020	chr17	North Shelf	0.620812004	0.854701621	0.2338896	0.003168
cg07452879	chr17	Open Sea	0.48005743	0.71382261	0.2337652	3.9E-05
cg21042139	chr17	Open Sea	0.612162857	0.845365366	0.2332025	0.024765
cg08100284	chr17	Open Sea	0.634721731	0.867408458	0.2326867	0.000326
cg07429804	chr17	Open Sea	0.696501968	0.929115399	0.2326134	4.62E-06
cg03958863	chr17	Open Sea	0.631865243	0.86406984	0.2322046	0.000325
cg21516305	chr17	Open Sea	0.539321504	0.771183208	0.2318617	0.013779
cg13120756	chr17	South Shore	0.627569551	0.85936543	0.2317959	1.11E-05
cg05530484	chr17	Open Sea	0.598733434	0.830266377	0.2315329	0.029608
cg12253845	chr17	Open Sea	0.49756249	0.728991424	0.2314289	0.00919
cg17052783	chr17	South Shelf	0.658819264	0.890035577	0.2312163	0.000811
cg01714553	chr17	Open Sea	0.493486488	0.724683835	0.2311973	0.000162
cg22184944	chr17	Open Sea	0.391593901	0.622740886	0.231147	0.005337
cg12472416	chr17	South Shelf	0.453100921	0.684191285	0.2310904	1.54E-06
cg15618347	chr17	Open Sea	0.690796984	0.921808147	0.2310112	0.00065
cg23259289	chr17	Open Sea	0.639921206	0.870771882	0.2308507	0.000495
cg09529165	chr17	North Shelf	0.656676932	0.887522389	0.2308455	0.000277
cg05000772	chr17	North Shore	0.612006368	0.84246327	0.2304569	0.000343
cg27504861	chr17	Open Sea	0.515783718	0.7461453	0.2303616	0.014892
cg08823240	chr17	Open Sea	0.365454873	0.595582542	0.2301277	0.00109
cg20992503	chr17	Open Sea	0.629083805	0.858889993	0.2298062	0.00603
cg04380107	chr17	Open Sea	0.506415337	0.735996627	0.2295813	0.000896
cg22718140	chr17	Open Sea	0.580177239	0.809390717	0.2292135	0.003085
cg17124387	chr17	North Shore	0.65146942	0.880532194	0.2290628	0.000205
cg12120406	chr17	Open Sea	0.645255309	0.874244542	0.2289892	0.002463
cg12584528	chr17	Island	0.622505515	0.85124849	0.228743	0.004
cg04307853	chr17	North Shelf	0.564363588	0.792571388	0.2282078	0.006991
cg16093580	chr17	Open Sea	0.662477958	0.88927876	0.2268008	0.000468
cg03066080	chr17	Open Sea	0.573006686	0.799428928	0.2264222	0.004538
cg17314478	chr17	North Shelf	0.525280522	0.75072973	0.2254492	0.006352
cg10177465	chr17	Open Sea	0.470359339	0.695579348	0.22522	6.62E-05
cg03450734	chr17	Open Sea	0.493288878	0.718470756	0.2251819	0.012884
cg11871064	chr17	Open Sea	0.686171975	0.910924447	0.2247525	0.000478
cg04289585	chr17	Open Sea	0.729177747	0.9530936	0.2239159	0.000251
cg05250241	chr17	North Shelf	0.61451368	0.838256837	0.2237432	0.000584
cg25561792	chr17	Open Sea	0.645206216	0.868886313	0.2236801	0.016423
cg23845168	chr17	Open Sea	0.705113519	0.92785087	0.2227374	0.016121
cg05814100	chr17	South Shelf	0.683120306	0.905748975	0.2226287	0.000482
cg20478261	chr17	Open Sea	0.637835061	0.859811046	0.221976	0.000262
cg08929103	chr17	North Shore	0.678820565	0.900571193	0.2217506	0.001445
cg05861697	chr17	Island	0.675866692	0.897539519	0.2216728	0.00074
cg24754689	chr17	Open Sea	0.637387284	0.85869403	0.2213067	0.008926
cg23983106	chr17	Open Sea	0.652433011	0.87361947	0.2211865	0.005377
cg13027184	chr17	Island	0.651429566	0.872233565	0.220804	0.004792

cg27562840	chr17	Open Sea	0.627073351	0.84754782	0.2204745	0.000165
cg17792108	chr17	Open Sea	0.600159562	0.820373842	0.2202143	0.005057
cg15524101	chr17	North Shore	0.653559047	0.873667569	0.2201085	0.003031
cg10437722	chr17	Open Sea	0.660272172	0.87938522	0.219113	0.000265
cg15082257	chr17	Open Sea	0.61454821	0.83254983	0.2180016	0.034725
cg09010992	chr17	Open Sea	0.622374458	0.840192821	0.2178184	0.004934
cg03275201	chr17	North Shelf	0.653614977	0.871419409	0.2178044	0.000147
cg24870391	chr17	Open Sea	0.431155106	0.648937253	0.2177821	0.04748
cg19447923	chr17	Open Sea	0.676948169	0.894069119	0.2171209	0.000532
cg18984823	chr17	North Shelf	0.636548858	0.853021047	0.2164722	0.001516
cg23110019	chr17	South Shore	0.459273133	0.675123543	0.2158504	1.59E-05
cg15894365	chr17	South Shelf	0.684745295	0.90055019	0.2158049	0.000134
cg27623948	chr17	Open Sea	0.522940684	0.738730942	0.2157903	0.000879
cg20558091	chr17	Open Sea	0.554206909	0.769928384	0.2157215	0.033089
cg02320721	chr17	South Shore	0.682835935	0.898490195	0.2156543	0.000326
cg07203490	chr17	Open Sea	0.691992665	0.907571645	0.215579	0.000141
cg03553897	chr17	South Shore	0.471392	0.685937253	0.2145453	3.43E-05
cg10922232	chr17	Open Sea	0.142700141	0.357184534	0.2144844	6.45E-09
cg25988830	chr17	South Shelf	0.53485684	0.748273964	0.2134171	0.038074
cg19698340	chr17	Open Sea	0.709057545	0.921982375	0.2129248	0.000142
cg10334489	chr17	Open Sea	0.524676368	0.737597562	0.2129212	0.013746
cg24513522	chr17	Open Sea	0.452016128	0.664371649	0.2123555	0.002435
cg03060036	chr17	South Shelf	0.629177593	0.841327084	0.2121495	0.000517
cg02779724	chr17	Open Sea	0.535815341	0.747952656	0.2121373	0.00194
cg02829285	chr17	Open Sea	0.696281879	0.908330383	0.2120485	0.00387
cg13074687	chr17	North Shore	0.367967007	0.579999731	0.2120327	0.018433
cg12391328	chr17	South Shore	0.494473659	0.705917652	0.211444	0.000243
cg10962223	chr17	Open Sea	0.460905872	0.672206281	0.2113004	0.004667
cg10070101	chr17	North Shelf	0.43747908	0.648730874	0.2112518	0.016604
cg21479786	chr17	Open Sea	0.684469469	0.89542615	0.2109567	0.001215
cg14256699	chr17	South Shelf	0.672902926	0.883744417	0.2108415	0.000113
cg07661564	chr17	Open Sea	0.614903514	0.82564468	0.2107412	0.016316
cg25017223	chr17	Open Sea	0.639386171	0.849548852	0.2101627	0.009956
cg13178709	chr17	South Shelf	0.643984556	0.853982081	0.2099975	0.015906
cg02385411	chr17	South Shelf	0.670173494	0.880100627	0.2099271	0.004111
cg05249074	chr17	North Shore	0.533015747	0.742941553	0.2099258	0.002038
cg22495124	chr17	Open Sea	0.734596448	0.944092292	0.2094958	0.000895
cg16928046	chr17	South Shore	0.664003606	0.873427371	0.2094238	0.028415
cg13362627	chr17	Open Sea	0.533631485	0.742872943	0.2092415	0.006985
cg19716073	chr17	North Shore	0.667297325	0.875892258	0.2085949	0.002239
cg23753610	chr17	Open Sea	0.702437668	0.910988598	0.2085509	0.003143
cg10332979	chr17	Open Sea	0.689272472	0.897000119	0.2077276	0.009844
cg20842396	chr17	Open Sea	0.694065469	0.901537258	0.2074718	0.016889
cg24615251	chr17	Open Sea	0.716886055	0.924306627	0.2074206	0.000237
cg05220510	chr17	Open Sea	0.61902877	0.826188459	0.2071597	0.048041
cg03174407	chr17	Open Sea	0.619876835	0.826222869	0.206346	0.011114
cg19171919	chr17	North Shore	0.64911036	0.855280318	0.20617	0.039162
cg25616535	chr17	North Shelf	0.169755809	0.375664508	0.2059087	0.000374
cg11910759	chr17	Open Sea	0.616475714	0.821729781	0.2052541	0.030681
cg23400451	chr17	Open Sea	0.639459924	0.844558678	0.2050988	0.006393

cg22482278	chr17	North Shore	0.711705917	0.91671017	0.2050043	0.000668
cg19725098	chr17	Open Sea	0.700773385	0.9052438	0.2044704	2.43E-05
cg15207426	chr17	Open Sea	0.651773851	0.856001039	0.2042272	0.007779
cg03072195	chr17	Open Sea	0.618673758	0.822765119	0.2040914	0.002835
cg27407935	chr17	North Shelf	0.174926355	0.378874181	0.2039478	7.26E-08
cg27573344	chr17	South Shore	0.685759087	0.889088107	0.203329	0.000156
cg17675301	chr17	North Shore	0.665083724	0.867485429	0.2024017	1.57E-05
cg03508063	chr17	South Shore	0.329142048	0.531368665	0.2022266	9.63E-06
cg02867514	chr17	Open Sea	0.519926281	0.721938439	0.2020122	0.001563
cg12989650	chr17	Open Sea	0.675765851	0.877493724	0.2017279	0.006613
cg06569861	chr17	Open Sea	0.385270741	0.58695848	0.2016877	0.00066
cg10089081	chr17	Open Sea	0.726986099	0.928442143	0.201456	0.002385
cg16301599	chr17	Open Sea	0.596621011	0.797787159	0.2011661	0.024699
cg18272307	chr17	Open Sea	0.605663086	0.806773111	0.20111	0.000377
cg25820602	chr17	Open Sea	0.704921924	0.905290284	0.2003684	0.001315
cg13758221	chr17	Open Sea	0.694310455	0.894613543	0.2003031	0.001331
cg22239325	chr18	Open Sea	0.498638386	0.940807693	0.4421693	5.16E-09
cg12776287	chr18	North Shore	0.316769921	0.748596933	0.431827	1.03E-10
cg12573871	chr18	Open Sea	0.380571812	0.803923874	0.4233521	5.67E-07
cg17007693	chr18	South Shore	0.454782128	0.875130883	0.4203488	0.000509
cg19605931	chr18	South Shelf	0.507689314	0.909740706	0.4020514	3.63E-07
cg06397427	chr18	South Shelf	0.480436846	0.882254507	0.4018177	0.000355
cg13442966	chr18	Open Sea	0.514057425	0.91534034	0.4012829	1.36E-09
cg03560685	chr18	Open Sea	0.563359677	0.936833482	0.3734738	4.25E-08
cg21107579	chr18	Open Sea	0.531436474	0.896541963	0.3651055	1.01E-08
cg15224291	chr18	Open Sea	0.493840224	0.834059642	0.3402194	9.97E-07
cg24972087	chr18	South Shore	0.517319287	0.853962242	0.336643	0.040776
cg23327011	chr18	Open Sea	0.596800686	0.929878168	0.3330775	3.29E-08
cg15495463	chr18	Open Sea	0.592246169	0.92452696	0.3322808	1.56E-06
cg07611666	chr18	Open Sea	0.519665283	0.850384594	0.3307193	0.000379
cg16546376	chr18	Open Sea	0.54529217	0.874881492	0.3295893	0.026737
cg18885289	chr18	North Shore	0.619994138	0.945650899	0.3256568	6.41E-08
cg05339403	chr18	North Shelf	0.588268294	0.913074193	0.3248059	0.000211
cg05955385	chr18	South Shelf	0.510083376	0.807285658	0.2972023	0.016837
cg15766996	chr18	South Shelf	0.492093543	0.788519729	0.2964262	3.43E-05
cg27638913	chr18	North Shore	0.563395723	0.859802594	0.2964069	3.91E-06
cg14298244	chr18	Open Sea	0.623854337	0.919504564	0.2956502	1.9E-06
cg07054564	chr18	South Shore	0.551681054	0.844400078	0.292719	0.001465
cg12419932	chr18	South Shelf	0.541411667	0.833207123	0.2917955	0.021377
cg05353571	chr18	South Shore	0.587162741	0.876843124	0.2896804	0.001865
cg17112707	chr18	Open Sea	0.478449306	0.764039305	0.28559	9.42E-06
cg22063692	chr18	Open Sea	0.586692575	0.870543954	0.2838514	3.26E-05
cg14211837	chr18	Open Sea	0.623271338	0.904377951	0.2811066	0.003098
cg15527308	chr18	Open Sea	0.546018889	0.820661225	0.2746423	0.006953
cg14883070	chr18	Open Sea	0.50679174	0.776176437	0.2693847	0.018108
cg18827787	chr18	Open Sea	0.489622471	0.755771716	0.2661492	0.00011
cg26411672	chr18	North Shelf	0.642052864	0.907957454	0.2659046	5.22E-05
cg17804850	chr18	Island	0.56767268	0.832037181	0.2643645	0.018046
cg27240008	chr18	Open Sea	0.626297013	0.890277031	0.26398	1.24E-06
cg21615397	chr18	South Shore	0.580210003	0.84198124	0.2617712	0.018414

cg11963233	chr18	North Shore	0.63152655	0.892405495	0.2608789	2.11E-05
cg21263710	chr18	North Shelf	0.363294605	0.620044811	0.2567502	0.044178
cg25321854	chr18	North Shelf	0.524188585	0.780861136	0.2566726	0.000865
cg03396005	chr18	South Shelf	0.659957028	0.912826589	0.2528696	0.000363
cg05155520	chr18	Open Sea	0.654374212	0.901696408	0.2473222	9.85E-05
cg21298444	chr18	North Shelf	0.478120707	0.725406731	0.247286	0.000468
cg14462017	chr18	Open Sea	0.614987554	0.859701367	0.2447138	0.04324
cg05817118	chr18	South Shelf	0.624202597	0.867348256	0.2431457	0.000311
cg22341513	chr18	North Shelf	0.353087562	0.59604692	0.2429594	0.036174
cg00710343	chr18	Open Sea	0.678958588	0.921604035	0.2426454	5.43E-05
cg19718771	chr18	North Shore	0.600895644	0.842773365	0.2418777	0.000661
cg21078966	chr18	Open Sea	0.576373944	0.81484915	0.2384752	0.011939
cg22306155	chr18	North Shelf	0.608254169	0.846428033	0.2381739	0.000208
cg00226904	chr18	Open Sea	0.631503139	0.869294597	0.2377915	0.000382
cg10054857	chr18	Open Sea	0.575997503	0.810793718	0.2347962	0.016462
cg02937491	chr18	Open Sea	0.643671875	0.87796705	0.2342952	3.55E-05
cg19738924	chr18	North Shore	0.563143409	0.792234428	0.229091	0.000296
cg21807034	chr18	Open Sea	0.656938177	0.882086096	0.2251479	0.000383
cg25331919	chr18	South Shelf	0.636796009	0.86064466	0.2238487	0.019537
cg23875391	chr18	North Shelf	0.458774841	0.682287781	0.2235129	0.014267
cg05662839	chr18	Island	0.680311163	0.902022953	0.2217118	0.003274
cg21322241	chr18	Open Sea	0.682877029	0.90206072	0.2191837	0.000778
cg02832905	chr18	Open Sea	0.652836781	0.87061624	0.2177795	0.00121
cg25369616	chr18	North Shelf	0.685997965	0.903431398	0.2174334	0.000261
cg15227168	chr18	South Shore	0.684319985	0.901192314	0.2168723	0.000944
cg14642773	chr18	South Shore	0.53769566	0.754315881	0.2166202	0.037814
cg27511678	chr18	North Shore	0.275997232	0.485008244	0.209011	0.021182
cg16326062	chr18	Open Sea	0.651938776	0.859325393	0.2073866	2.83E-05
cg01249134	chr18	North Shelf	0.455463638	0.660088056	0.2046244	4.99E-06
cg21737734	chr18	Island	0.714698526	0.919036558	0.204338	0.000237
cg02862461	chr18	Open Sea	0.624371106	0.828500519	0.2041294	0.005075
cg06069685	chr18	Open Sea	0.556843567	0.7602545	0.2034109	0.033742
cg07807210	chr18	Island	0.716114546	0.918100441	0.2019859	0.000206
cg19051117	chr19	North Shore	0.319200663	0.731626612	0.4124259	4.28E-07
cg09923953	chr19	South Shelf	0.461838498	0.849574959	0.3877365	5.48E-07
cg16592658	chr19	Open Sea	0.295736454	0.675711485	0.379975	0.012884
cg20542190	chr19	Open Sea	0.255173993	0.630773048	0.3755991	0.010568
cg25517015	chr19	South Shelf	0.482017309	0.856290825	0.3742735	1.78E-08
cg07988171	chr19	Open Sea	0.44628734	0.819638978	0.3733516	1.79E-07
cg03602500	chr19	Open Sea	0.545618354	0.913952219	0.3683339	3.71E-05
cg24048949	chr19	South Shelf	0.404387682	0.770654061	0.3662664	0.002944
cg06579354	chr19	Open Sea	0.261066026	0.627168533	0.3661025	3.84E-08
cg12134408	chr19	North Shelf	0.525329787	0.89108492	0.3657551	4.29E-07
cg14899960	chr19	South Shore	0.505939548	0.870550568	0.364611	0.00396
cg18044044	chr19	Open Sea	0.510356062	0.874187053	0.363831	6.16E-07
cg25730098	chr19	Open Sea	0.497693789	0.855784843	0.3580911	6.62E-07
cg15642666	chr19	North Shore	0.478284738	0.834733148	0.3564484	0.002259
cg19372504	chr19	South Shelf	0.598405853	0.946705837	0.3483	9.42E-08
cg14894368	chr19	Open Sea	0.535971182	0.882704495	0.3467333	0.001508
cg24299913	chr19	Island	0.517530018	0.860305244	0.3427752	7.06E-05



cg02358804	chr19	Open Sea	0.587929666	0.926123316	0.3381936	2.98E-08
cg24838240	chr19	Open Sea	0.503949169	0.839798369	0.3358492	0.000107
cg25286393	chr19	Open Sea	0.382591926	0.718034991	0.3354431	0.00379
cg13482327	chr19	North Shelf	0.469604204	0.802726717	0.3331225	0.003517
cg16693595	chr19	North Shelf	0.507354183	0.829468743	0.3221146	2.64E-07
cg01985343	chr19	North Shore	0.53868574	0.858706906	0.3200212	0.037314
cg02486096	chr19	North Shelf	0.311313486	0.63085507	0.3195416	4.66E-05
cg26367719	chr19	South Shore	0.391626887	0.711089994	0.3194631	0.000836
cg19031047	chr19	South Shore	0.554461027	0.873599678	0.3191387	2.12E-05
cg26663123	chr19	Open Sea	0.508970055	0.826338664	0.3173686	9.86E-06
cg16601904	chr19	North Shelf	0.505893857	0.822157549	0.3162637	0.006823
cg08882904	chr19	South Shelf	0.57631232	0.888232175	0.3119199	5.81E-06
cg03544379	chr19	Open Sea	0.605248764	0.917029312	0.3117805	1.58E-05
cg08496123	chr19	South Shelf	0.550622913	0.861722791	0.3110999	2.05E-05
cg23228218	chr19	North Shelf	0.517369762	0.827280403	0.3099106	0.004699
cg23391173	chr19	Open Sea	0.533159939	0.841666149	0.3085062	1.58E-05
cg22338152	chr19	Open Sea	0.467253748	0.77527725	0.3080235	0.000664
cg10833393	chr19	Open Sea	0.347362601	0.654255877	0.3068933	0.030475
cg25033144	chr19	Open Sea	0.5951945	0.90042052	0.305226	0.000474
cg06943561	chr19	Open Sea	0.379748573	0.684853217	0.3051046	0.000292
cg05358291	chr19	Open Sea	0.548642998	0.849360837	0.3007178	0.000113
cg24154699	chr19	Open Sea	0.438087404	0.733471943	0.2953845	1.21E-05
cg10322876	chr19	Open Sea	0.603128222	0.896355602	0.2932274	3.62E-05
cg03601644	chr19	South Shore	0.610726259	0.901768348	0.2910421	1.88E-05
cg25460031	chr19	Open Sea	0.59504139	0.884636441	0.2895951	2.91E-05
cg22911650	chr19	Open Sea	0.446679569	0.734985595	0.288306	0.028165
cg02410867	chr19	Open Sea	0.618191099	0.906287681	0.2880966	3.82E-06
cg17742051	chr19	South Shore	0.615629572	0.900717341	0.2850878	0.000531
cg23487859	chr19	North Shelf	0.564646891	0.846539739	0.2818928	6.6E-05
cg14086828	chr19	North Shelf	0.486671627	0.768430084	0.2817585	0.001448
cg25974922	chr19	North Shore	0.480094261	0.761320206	0.2812259	0.032542
cg03789934	chr19	Open Sea	0.327939264	0.609017535	0.2810783	3.42E-08
cg27159916	chr19	South Shore	0.54954656	0.83020114	0.2806546	0.035189
cg22539584	chr19	South Shelf	0.653404553	0.933347755	0.2799432	0.001253
cg08703722	chr19	Open Sea	0.644042894	0.923397607	0.2793547	4.24E-05
cg12581769	chr19	South Shelf	0.559775546	0.8388074	0.2790319	0.047721
cg00789198	chr19	Open Sea	0.615275846	0.893473471	0.2781976	4.16E-05
cg01230207	chr19	Open Sea	0.574973251	0.852252366	0.2772791	0.00011
cg00337020	chr19	South Shelf	0.640207252	0.91621795	0.2760107	1.19E-05
cg21638625	chr19	North Shore	0.427223919	0.701348663	0.2741247	0.001508
cg26979537	chr19	North Shore	0.501109211	0.774459723	0.2733505	2.2E-06
cg22498784	chr19	Open Sea	0.438659392	0.711884136	0.2732247	0.000334
cg19521693	chr19	South Shore	0.227526858	0.500173777	0.2726469	0.036559
cg09235702	chr19	Open Sea	0.578890709	0.851527885	0.2726372	0.000462
cg17857791	chr19	Open Sea	0.581840005	0.853953553	0.2721135	4.56E-05
cg20670939	chr19	Open Sea	0.465128346	0.736725479	0.2715971	0.000183
cg02258614	chr19	North Shore	0.61489089	0.886176501	0.2712856	1.29E-05
cg25996388	chr19	Open Sea	0.538916373	0.80768945	0.2687731	0.000478
cg21606696	chr19	North Shore	0.474372683	0.743019989	0.2686473	0.017432
cg19236454	chr19	Open Sea	0.433034291	0.701185939	0.2681516	0.013468

cg26250400	chr19	South Shelf	0.247703831	0.515619048	0.2679152	0.019666
cg10305797	chr19	Open Sea	0.538534424	0.805850321	0.2673159	0.000218
cg22545168	chr19	Open Sea	0.290951748	0.557811184	0.2668594	0.009817
cg02593507	chr19	South Shore	0.627363981	0.892628533	0.2652646	6.17E-05
cg07612827	chr19	Open Sea	0.588710362	0.853792759	0.2650824	0.001152
cg26562972	chr19	South Shelf	0.636703335	0.901765737	0.2650624	6.04E-05
cg01895124	chr19	North Shore	0.623044442	0.887692896	0.2646485	2.49E-06
cg18599533	chr19	North Shelf	0.604402717	0.868798275	0.2643956	0.000663
cg11971944	chr19	North Shelf	0.547258758	0.811061911	0.2638032	0.03558
cg25477163	chr19	South Shelf	0.51660062	0.780248593	0.263648	0.003951
cg11251554	chr19	Open Sea	0.408962147	0.670644878	0.2616827	0.007457
cg23943495	chr19	North Shore	0.489345316	0.75038821	0.2610429	0.00013
cg01007458	chr19	Open Sea	0.39602142	0.656866043	0.2608446	7.78E-08
cg06624020	chr19	South Shelf	0.64388041	0.903743065	0.2598627	1.72E-05
cg15061662	chr19	South Shelf	0.609546509	0.869041174	0.2594947	0.00442
cg18862215	chr19	Open Sea	0.50126998	0.760639301	0.2593693	1.19E-06
cg15811427	chr19	Open Sea	0.554964737	0.81363971	0.258675	0.000193
cg22846876	chr19	South Shelf	0.594138563	0.852332459	0.2581939	1.46E-05
cg03539717	chr19	North Shelf	0.403697611	0.660523106	0.2568255	0.011686
cg14575739	chr19	Open Sea	0.594473667	0.851263208	0.2567895	0.005324
cg15221831	chr19	Island	0.634139111	0.889913326	0.2557742	0.000847
cg14758105	chr19	North Shore	0.606789681	0.862354437	0.2555648	0.001154
cg11800802	chr19	North Shelf	0.572342421	0.827602466	0.25526	0.002951
cg09330551	chr19	South Shelf	0.542852897	0.797095777	0.2542429	2.51E-05
cg02746744	chr19	South Shelf	0.533038046	0.786446699	0.2534087	0.000106
cg25221254	chr19	Open Sea	0.625059977	0.878420513	0.2533605	0.008956
cg25662428	chr19	South Shore	0.577491489	0.829815322	0.2523238	4.72E-05
cg26489750	chr19	Open Sea	0.550241586	0.80254144	0.2522999	0.024877
cg08852641	chr19	Open Sea	0.169596496	0.421694701	0.2520982	0.012481
cg18115248	chr19	Open Sea	0.643539722	0.89562011	0.2520804	8.02E-05
cg10765336	chr19	North Shore	0.600426887	0.852083961	0.2516571	0.000638
cg04349727	chr19	Open Sea	0.578364325	0.829956267	0.2515919	0.000591
cg01293740	chr19	South Shelf	0.225104837	0.476241861	0.251137	0.031792
cg26522157	chr19	Island	0.577074067	0.827529845	0.2504558	0.000664
cg00996764	chr19	Open Sea	0.534211677	0.782244733	0.2480331	0.045586
cg24136431	chr19	North Shore	0.531655125	0.779472177	0.2478171	0.043642
cg12986110	chr19	Open Sea	0.551909052	0.7985944	0.2466853	0.008968
cg09430586	chr19	Open Sea	0.623628081	0.868882197	0.2452541	0.000169
cg23919549	chr19	North Shore	0.643946461	0.888448191	0.2445017	3.31E-05
cg22190114	chr19	Open Sea	0.633069655	0.876881094	0.2438114	0.004265
cg16594007	chr19	Open Sea	0.517750883	0.761088743	0.2433379	2.15E-05
cg15701210	chr19	Open Sea	0.353545528	0.596701311	0.2431558	0.00077
cg17772789	chr19	Open Sea	0.557222039	0.800142887	0.2429208	0.006333
cg15402156	chr19	Open Sea	0.429186072	0.6719363	0.2427502	0.001903
cg13650654	chr19	Open Sea	0.501910463	0.744626057	0.2427156	0.032114
cg08684473	chr19	Open Sea	0.515177438	0.757891408	0.242714	0.020727
cg02018326	chr19	Open Sea	0.47531995	0.717631097	0.2423111	0.000305
cg22838050	chr19	South Shore	0.516893852	0.756407696	0.2395138	3.03E-05
cg05267952	chr19	Open Sea	0.519796041	0.759179403	0.2393834	2.71E-05
cg05935086	chr19	Open Sea	0.3865853	0.622909821	0.2363245	0.000514

cg17670263	chr19	Open Sea	0.280846044	0.516357779	0.2355117	0.011043
cg18745782	chr19	South Shore	0.670957851	0.905375933	0.2344181	0.00102
cg07676349	chr19	North Shore	0.678734767	0.913139131	0.2344044	0.000646
cg14203721	chr19	Open Sea	0.60865493	0.842879557	0.2342246	0.008317
cg03745234	chr19	Open Sea	0.614213717	0.84810389	0.2338902	0.02733
cg24314434	chr19	Open Sea	0.66145151	0.895118144	0.2336666	0.000305
cg00376316	chr19	North Shelf	0.51369395	0.746577865	0.2328839	0.009949
cg05241571	chr19	Open Sea	0.533219926	0.763966697	0.2307468	0.001728
cg08375658	chr19	South Shelf	0.232258641	0.46115438	0.2288957	0.013602
cg17510987	chr19	North Shore	0.546516856	0.775234481	0.2287176	0.044738
cg20789620	chr19	North Shore	0.435379002	0.664095796	0.2287168	0.003353
cg17724366	chr19	Open Sea	0.627173955	0.85562901	0.2284551	0.000415
cg17952114	chr19	South Shore	0.340618828	0.568860264	0.2282414	0.035277
cg24824840	chr19	North Shore	0.649378841	0.877461812	0.228083	0.00026
cg09752223	chr19	Island	0.586289749	0.814071935	0.2277822	0.043687
cg18693051	chr19	North Shore	0.576318693	0.803596548	0.2272779	0.02212
cg15586563	chr19	North Shelf	0.646163181	0.873175478	0.2270123	0.000514
cg20675971	chr19	Island	0.671100263	0.897961938	0.2268617	0.000454
cg19035908	chr19	South Shore	0.549706907	0.776548131	0.2268412	0.034289
cg26003119	chr19	South Shore	0.528386567	0.754894329	0.2265078	0.00036
cg22486630	chr19	Island	0.615878243	0.842302118	0.2264239	0.000151
cg02965351	chr19	North Shelf	0.685064243	0.911320842	0.2262566	0.000198
cg19017177	chr19	North Shore	0.465743145	0.690829752	0.2250866	0.005122
cg23342045	chr19	North Shore	0.571967029	0.796373002	0.224406	0.015761
cg04603355	chr19	South Shore	0.594567258	0.818961993	0.2243947	0.018772
cg20643675	chr19	Open Sea	0.492362079	0.716586474	0.2242244	0.000915
cg04720596	chr19	North Shore	0.593917272	0.817896607	0.2239793	3.51E-05
cg04399789	chr19	North Shelf	0.714737416	0.938269782	0.2235324	0.000191
cg06862049	chr19	Island	0.339541839	0.561517902	0.2219761	0.002325
cg24000937	chr19	Open Sea	0.517539557	0.738695237	0.2211557	0.000461
cg11579116	chr19	Open Sea	0.392521081	0.612837001	0.2203159	0.034533
cg01193293	chr19	Open Sea	0.629710347	0.84808973	0.2183794	0.014858
cg11425517	chr19	North Shelf	0.537883304	0.755926342	0.218043	0.003411
cg17862867	chr19	North Shelf	0.691959789	0.909988571	0.2180288	0.00111
cg19328560	chr19	North Shelf	0.588532557	0.805753147	0.2172206	0.019908
cg22598669	chr19	North Shelf	0.614611464	0.831692553	0.2170811	0.001195
cg11553667	chr19	South Shelf	0.626804934	0.843870108	0.2170652	0.017372
cg01449341	chr19	Open Sea	0.646348992	0.862835741	0.2164867	0.002111
cg26851500	chr19	Open Sea	0.676451925	0.892777082	0.2163252	0.000476
cg01292613	chr19	Open Sea	0.66020733	0.875250034	0.2150427	0.001617
cg15412721	chr19	South Shore	0.652594851	0.867364403	0.2147696	0.008215
cg19545560	chr19	South Shelf	0.41996119	0.634314308	0.2143531	2.89E-06
cg18597415	chr19	Open Sea	0.499145464	0.712490581	0.2133451	0.031087
cg02415125	chr19	Open Sea	0.624517345	0.837833015	0.2133157	0.023484
cg22532234	chr19	Open Sea	0.433586626	0.646582144	0.2129955	0.037831
cg02272795	chr19	North Shore	0.652392043	0.865136719	0.2127447	0.002725
cg26470501	chr19	South Shore	0.331434785	0.544152663	0.2127179	0.004163
cg07797208	chr19	Open Sea	0.672468908	0.885146857	0.2126779	0.000276
cg07902983	chr19	Island	0.260704279	0.472350735	0.2116465	8.15E-05
cg17299616	chr19	Island	0.515312262	0.726755129	0.2114429	0.000483

cg00101104	chr19	Open Sea	0.552743921	0.763695921	0.210952	0.032585
cg03240663	chr19	Open Sea	0.629207479	0.839908357	0.2107009	0.047295
cg19449919	chr19	South Shelf	0.660745069	0.87126045	0.2105154	0.009739
cg20692181	chr19	North Shore	0.584260283	0.794733075	0.2104728	0.001362
cg24140775	chr19	Open Sea	0.668790185	0.87920905	0.2104189	0.017634
cg03575041	chr19	Open Sea	0.408699298	0.618404458	0.2097052	0.010492
cg03117053	chr19	Island	0.737402494	0.946896187	0.2094937	0.000499
cg10130497	chr19	North Shore	0.530256769	0.739707032	0.2094503	0.000585
cg08155908	chr19	South Shelf	0.696737629	0.905447167	0.2087095	0.008318
cg07699930	chr19	South Shelf	0.672973174	0.881101296	0.2081281	0.000147
cg13979274	chr19	North Shelf	0.530385884	0.737768922	0.207383	0.040488
cg04958654	chr19	North Shore	0.570743799	0.778067108	0.2073233	0.002581
cg02319818	chr19	South Shore	0.408538372	0.614965731	0.2064274	0.007871
cg22472023	chr19	Open Sea	0.210412014	0.416563468	0.2061515	0.000725
cg14005240	chr19	Open Sea	0.683633152	0.888994377	0.2053612	0.002647
cg23385669	chr19	North Shelf	0.658419522	0.863200867	0.2047813	0.039307
cg26955996	chr19	Open Sea	0.566329415	0.770744631	0.2044152	0.031152
cg12190413	chr19	North Shore	0.548407674	0.752355544	0.2039479	0.006747
cg24836679	chr19	South Shelf	0.696783163	0.900366525	0.2035834	0.000171
cg03531543	chr19	North Shelf	0.690036556	0.893410972	0.2033744	0.000707
cg01607441	chr19	Open Sea	0.594974428	0.797886957	0.2029125	0.00078
cg05881698	chr19	North Shelf	0.656149782	0.859032915	0.2028831	0.001135
cg17387694	chr19	North Shelf	0.692421562	0.89517299	0.2027514	0.001494
cg25463943	chr19	Open Sea	0.603353183	0.806092295	0.2027391	0.006393
cg07959016	chr19	Open Sea	0.620514151	0.823171071	0.2026569	0.002326
cg27547695	chr19	Open Sea	0.684930934	0.887186371	0.2022554	0.001338
cg19738281	chr19	North Shelf	0.466388307	0.668497174	0.2021089	0.008152
cg01080560	chr19	South Shelf	0.61715847	0.817917971	0.2007595	0.003898
cg07460734	chr19	North Shore	0.591611261	0.792100589	0.2004893	0.023456
cg17103314	chr19	Open Sea	0.685661207	0.886075951	0.2004147	0.000128
cg11267879	chr19	Open Sea	0.439212859	0.639368978	0.2001561	0.035085
cg06721806	chr19	Open Sea	0.606896569	0.807012691	0.2001161	0.006741
cg10671757	chr2	North Shelf	0.354721071	0.819981401	0.4652603	4.24E-09
cg22638977	chr2	Open Sea	0.460184123	0.907865924	0.4476818	5.16E-09
cg17338146	chr2	Open Sea	0.433227881	0.876250536	0.4430227	0.001673
cg10081994	chr2	Open Sea	0.410100815	0.853073597	0.4429728	1.82E-08
cg00214970	chr2	South Shore	0.306991394	0.747979439	0.440988	0.003448
cg02534072	chr2	Open Sea	0.422262547	0.857487219	0.4352247	2.52E-07
cg20319457	chr2	Open Sea	0.453305176	0.884260555	0.4309554	9.81E-07
cg03792788	chr2	South Shelf	0.389227235	0.81366883	0.4244416	0.04935
cg18519072	chr2	Open Sea	0.322417727	0.74635941	0.4239417	0.035085
cg21335012	chr2	Open Sea	0.436513893	0.854470664	0.4179568	2.81E-05
cg05862007	chr2	Open Sea	0.467249252	0.883214914	0.4159657	5.71E-05
cg02514318	chr2	Open Sea	0.362817815	0.776836408	0.4140186	0.005667
cg24396429	chr2	Open Sea	0.33365112	0.746652702	0.4130016	0.024324
cg10263684	chr2	North Shelf	0.524734261	0.936167385	0.4114331	3.36E-09
cg00927256	chr2	Open Sea	0.262747795	0.671859479	0.4091117	1.12E-05
cg23273465	chr2	South Shelf	0.548251335	0.956660589	0.4084093	3.68E-11
cg08727428	chr2	South Shore	0.501187508	0.903621806	0.4024343	8.22E-09
cg26214074	chr2	Open Sea	0.486364069	0.885995109	0.399631	4.96E-06

cg14285788	chr2	North Shore	0.284394338	0.683846585	0.3994522	3.1E-08
cg19404500	chr2	North Shelf	0.503807179	0.902833155	0.399026	2.66E-08
cg03591285	chr2	North Shelf	0.508145863	0.906306875	0.398161	3.19E-07
cg03708221	chr2	Open Sea	0.406988275	0.805048697	0.3980604	0.042901
cg00500424	chr2	South Shore	0.533532342	0.930002055	0.3964697	4.08E-08
cg09922612	chr2	Open Sea	0.483555753	0.879111755	0.395556	4.27E-08
cg04876407	chr2	North Shelf	0.290867523	0.683133418	0.3922659	4.41E-05
cg24412829	chr2	South Shelf	0.395151776	0.784298394	0.3891466	6.45E-06
cg11009736	chr2	Open Sea	0.16500247	0.552529925	0.3875275	0.01569
cg21627775	chr2	North Shelf	0.485225628	0.871065974	0.3858403	0.001578
cg24630383	chr2	South Shelf	0.555329074	0.940401087	0.385072	3.83E-08
cg21240640	chr2	Open Sea	0.505927998	0.890893127	0.3849651	3.41E-08
cg09044294	chr2	Open Sea	0.525709026	0.908809721	0.3831007	5.8E-08
cg15016481	chr2	Open Sea	0.462592575	0.845444021	0.3828514	0.02736
cg09613510	chr2	Open Sea	0.440406659	0.82267082	0.3822642	0.04434
cg10034572	chr2	South Shelf	0.52042218	0.900586296	0.3801641	8.4E-09
cg26381919	chr2	Open Sea	0.5325002	0.911874652	0.3793745	1.68E-09
cg02050985	chr2	North Shore	0.409073283	0.782113252	0.37304	0.004452
cg25916135	chr2	Open Sea	0.285986204	0.658812858	0.3728267	0.000703
cg01395254	chr2	Open Sea	0.450287593	0.819596324	0.3693087	3.19E-05
cg27159979	chr2	Open Sea	0.490140673	0.85884421	0.3687035	0.038861
cg14975547	chr2	Open Sea	0.456443615	0.824994998	0.3685514	0.000236
cg10288578	chr2	Open Sea	0.4733805	0.840875817	0.3674953	5.1E-08
cg12153668	chr2	Open Sea	0.483681997	0.850853868	0.3671719	0.007723
cg09599529	chr2	Open Sea	0.533968511	0.898380263	0.3644118	4.17E-07
cg25024442	chr2	Open Sea	0.503616132	0.866886302	0.3632702	2.31E-07
cg18447587	chr2	Open Sea	0.465263671	0.827485111	0.3622214	0.003036
cg07583848	chr2	Open Sea	0.526210953	0.888218262	0.3620073	1.61E-05
cg01703780	chr2	Open Sea	0.356474505	0.717481398	0.3610069	2.13E-05
cg00415424	chr2	Open Sea	0.434489917	0.794379054	0.3598891	0.033615
cg11902863	chr2	Open Sea	0.208552887	0.568203901	0.359651	2.74E-05
cg24749089	chr2	Open Sea	0.527754235	0.887252927	0.3594987	0.000108
cg15545942	chr2	Open Sea	0.545248714	0.90323132	0.3579826	1.15E-07
cg21520549	chr2	Open Sea	0.539488655	0.896778387	0.3572897	1.19E-07
cg04955914	chr2	North Shore	0.368941367	0.723105533	0.3541642	0.010474
cg14660163	chr2	Open Sea	0.573714191	0.927082669	0.3533685	5.8E-10
cg15293629	chr2	Open Sea	0.520274563	0.873502065	0.3532275	0.000254
cg05879419	chr2	Open Sea	0.461155082	0.813193855	0.3520388	0.009064
cg19475988	chr2	Open Sea	0.462635899	0.814326964	0.3516911	4.99E-05
cg20699079	chr2	Open Sea	0.329661597	0.679469446	0.3498078	0.017495
cg11786365	chr2	Open Sea	0.567727241	0.917240289	0.349513	2.99E-08
cg02281854	chr2	Open Sea	0.300955739	0.649561207	0.3486055	5.27E-08
cg02879423	chr2	North Shelf	0.2852048	0.633493874	0.3482891	5.26E-06
cg21857375	chr2	Open Sea	0.581255638	0.928116807	0.3468612	1.29E-07
cg19098619	chr2	Open Sea	0.455161864	0.801300365	0.3461385	0.000141
cg02054542	chr2	North Shore	0.500424822	0.845009002	0.3445842	0.005427
cg26632171	chr2	Open Sea	0.507470536	0.85191984	0.3444493	1.13E-05
cg05417035	chr2	Open Sea	0.488320802	0.832446399	0.3441256	0.025304
cg23753006	chr2	Open Sea	0.334865488	0.677586949	0.3427215	1.33E-06
cg11038054	chr2	Open Sea	0.419607296	0.762112587	0.3425053	2.4E-05

cg20424973	chr2	Open Sea	0.499737524	0.841491808	0.3417543	1.04E-05
cg22762189	chr2	Open Sea	0.520361832	0.861880059	0.3415182	3.63E-08
cg06949933	chr2	South Shore	0.47973187	0.819475967	0.3397441	0.020955
cg16862361	chr2	Open Sea	0.493540363	0.831403518	0.3378632	0.001002
cg06165655	chr2	Open Sea	0.572220918	0.909019505	0.3367986	7.86E-07
cg22877380	chr2	Open Sea	0.515986549	0.849962438	0.3339759	1.89E-07
cg12271759	chr2	Open Sea	0.530141266	0.864076134	0.3339349	0.004959
cg21484910	chr2	Open Sea	0.562920265	0.894913496	0.3319932	1.83E-06
cg17007164	chr2	Open Sea	0.441969778	0.770556841	0.3285871	0.006573
cg00612985	chr2	Open Sea	0.470873617	0.797541488	0.3266679	0.004446
cg27005018	chr2	Open Sea	0.526036602	0.850997225	0.3249606	1.44E-08
cg27531832	chr2	North Shore	0.582097017	0.907004108	0.3249071	4.1E-05
cg25952964	chr2	Open Sea	0.583847388	0.908682182	0.3248348	9.91E-07
cg23822732	chr2	Open Sea	0.587441815	0.910309546	0.3228677	1.17E-05
cg06431347	chr2	Open Sea	0.592934657	0.915438331	0.3225037	7.11E-05
cg01137949	chr2	Open Sea	0.517003327	0.83862407	0.3216207	8.78E-05
cg12208353	chr2	Open Sea	0.5330083	0.854559722	0.3215514	0.00016
cg09842053	chr2	Open Sea	0.576923864	0.897461585	0.3205377	1.4E-07
cg10962805	chr2	Open Sea	0.412676256	0.733158963	0.3204827	3E-05
cg11348701	chr2	Open Sea	0.561371134	0.881361193	0.3199901	1.15E-06
cg04880737	chr2	Open Sea	0.441096583	0.760863357	0.3197668	0.04276
cg19995130	chr2	Open Sea	0.462216278	0.781777925	0.3195616	0.029309
cg03462604	chr2	Open Sea	0.484261381	0.803676908	0.3194155	2.29E-05
cg25446789	chr2	Open Sea	0.173333541	0.492512597	0.3191791	0.006649
cg09527561	chr2	Open Sea	0.458463377	0.777431518	0.3189681	0.043152
cg11990559	chr2	Open Sea	0.431455989	0.749570516	0.3181145	6.48E-05
cg07698102	chr2	Open Sea	0.586849208	0.903411965	0.3165628	6.22E-07
cg27587307	chr2	Open Sea	0.560105548	0.875741089	0.3156355	0.034937
cg02444226	chr2	Open Sea	0.577050002	0.892460461	0.3154105	2.66E-06
cg09398856	chr2	Open Sea	0.560813751	0.876014074	0.3152003	0.029129
cg23339656	chr2	North Shore	0.371679578	0.686213124	0.3145335	0.008665
cg19106467	chr2	South Shelf	0.534633082	0.848860538	0.3142275	2.93E-06
cg10015668	chr2	South Shelf	0.521213312	0.835194982	0.3139817	0.003744
cg08756898	chr2	North Shore	0.485253368	0.799076414	0.313823	1.17E-05
cg22162312	chr2	North Shelf	0.486415244	0.800018845	0.3136036	3.36E-07
cg26140366	chr2	South Shore	0.565843571	0.879207086	0.3133635	0.000264
cg25617157	chr2	South Shelf	0.583474539	0.894856672	0.3113821	7.57E-06
cg07791987	chr2	Open Sea	0.51484995	0.826066552	0.3112166	0.024092
cg25299371	chr2	Open Sea	0.469077728	0.780037733	0.31096	0.002746
cg16177922	chr2	Open Sea	0.445457008	0.755930352	0.3104733	0.036187
cg17335199	chr2	Open Sea	0.421005034	0.731279313	0.3102743	0.016685
cg12251803	chr2	Open Sea	0.384789409	0.694609565	0.3098202	0.000163
cg01998763	chr2	Open Sea	0.523342012	0.833083368	0.3097414	1.77E-07
cg10115387	chr2	Open Sea	0.552750871	0.862141157	0.3093903	0.007251
cg10597191	chr2	Open Sea	0.589293202	0.897048184	0.307755	3.76E-08
cg11686208	chr2	Open Sea	0.595953848	0.903602951	0.3076491	1.54E-06
cg20438915	chr2	South Shelf	0.546764287	0.854342415	0.3075781	0.010089
cg00017842	chr2	North Shelf	0.424770202	0.732288522	0.3075183	0.017261
cg10634568	chr2	Open Sea	0.356019551	0.663090852	0.3070713	0.030976
cg11206634	chr2	North Shore	0.402505537	0.708257505	0.305752	0.000108

cg14947846	chr2	North Shore	0.541548498	0.846552301	0.3050038	3.45E-06
cg25623099	chr2	Open Sea	0.54595526	0.850354726	0.3043995	0.023149
cg15478401	chr2	Open Sea	0.494679661	0.798843591	0.3041639	0.007817
cg10776839	chr2	Open Sea	0.491417018	0.794577696	0.3031607	0.01457
cg04062717	chr2	Open Sea	0.581296003	0.88378188	0.3024859	7.45E-07
cg04774103	chr2	Open Sea	0.493063392	0.79472675	0.3016634	0.000519
cg09538682	chr2	Open Sea	0.531809274	0.833371649	0.3015624	0.003682
cg07776049	chr2	Open Sea	0.340257697	0.639489363	0.2992317	0.000939
cg05973132	chr2	South Shelf	0.56251546	0.861556313	0.2990409	6.63E-06
cg17325595	chr2	Open Sea	0.523900981	0.822072587	0.2981716	3.64E-08
cg24194279	chr2	Open Sea	0.606255524	0.904329731	0.2980742	0.00011
cg25349939	chr2	Open Sea	0.512409451	0.810354823	0.2979454	1.31E-05
cg24965243	chr2	North Shore	0.506195303	0.802564793	0.2963695	0.001127
cg18912768	chr2	Open Sea	0.459454211	0.755112639	0.2956584	0.019637
cg04579254	chr2	Open Sea	0.555326062	0.850638909	0.2953128	1.39E-06
cg01440796	chr2	Open Sea	0.624038238	0.918890145	0.2948519	5.37E-05
cg12569835	chr2	Open Sea	0.47409705	0.768026689	0.2939296	6.99E-07
cg00872532	chr2	Open Sea	0.621773642	0.915254514	0.2934809	3.41E-05
cg08162976	chr2	Open Sea	0.590799101	0.88409592	0.2932968	4.66E-06
cg16721427	chr2	Island	0.565404826	0.857894184	0.2924894	0.003332
cg03128029	chr2	Open Sea	0.521739468	0.813563982	0.2918245	0.012384
cg20951650	chr2	Open Sea	0.624599959	0.915907324	0.2913074	7.56E-06
cg25406923	chr2	South Shelf	0.50058701	0.791185356	0.2905983	0.000262
cg27272487	chr2	Open Sea	0.636702251	0.926887061	0.2901848	0.000129
cg19006220	chr2	Island	0.635918014	0.926067792	0.2901498	8.8E-06
cg04546573	chr2	Open Sea	0.301461885	0.589822419	0.2883605	0.041354
cg09281979	chr2	North Shore	0.4862414	0.773775819	0.2875344	6.49E-05
cg08722695	chr2	South Shelf	0.571142973	0.858124776	0.2869818	0.023331
cg17011953	chr2	Open Sea	0.469973496	0.756569505	0.286596	1.62E-05
cg07096238	chr2	Open Sea	0.487014652	0.773230309	0.2862157	0.000288
cg19702194	chr2	Open Sea	0.613531479	0.89898686	0.2854554	2.18E-05
cg16616765	chr2	North Shore	0.626268094	0.911373674	0.2851056	1.14E-05
cg14782266	chr2	Open Sea	0.622925747	0.90766246	0.2847367	3.65E-08
cg11732925	chr2	Open Sea	0.512194174	0.796409439	0.2842153	0.049619
cg05208056	chr2	Open Sea	0.637275821	0.921310623	0.2840348	4.83E-05
cg18183892	chr2	Open Sea	0.483121074	0.766910508	0.2837894	0.000108
cg09837245	chr2	Open Sea	0.627022785	0.910607535	0.2835848	5.85E-05
cg05973555	chr2	Open Sea	0.517865457	0.801422247	0.2835568	0.000735
cg25806932	chr2	South Shore	0.280210217	0.563636434	0.2834262	0.000171
cg12594648	chr2	Open Sea	0.468840853	0.751856204	0.2830154	0.002744
cg22980483	chr2	Open Sea	0.4992845	0.782253643	0.2829691	0.001004
cg13024761	chr2	Open Sea	0.589519653	0.871938972	0.2824193	3.08E-06
cg12511356	chr2	Open Sea	0.589230577	0.870530073	0.2812995	4.3E-06
cg00543073	chr2	North Shelf	0.316698771	0.59676237	0.2800636	0.036246
cg14019348	chr2	Open Sea	0.606402213	0.886390801	0.2799886	0.001835
cg02952635	chr2	Open Sea	0.522302229	0.801699943	0.2793977	0.042117
cg02561693	chr2	Open Sea	0.508381528	0.787657168	0.2792756	9.74E-08
cg24519867	chr2	Open Sea	0.635503441	0.914145486	0.278642	5.73E-05
cg10966876	chr2	Island	0.237442181	0.515655804	0.2782136	0.032577
cg06974672	chr2	Open Sea	0.56671978	0.844431186	0.2777114	0.034994

cg24618169	chr2	Open Sea	0.573585593	0.850826949	0.2772414	7.43E-05
cg00822666	chr2	Open Sea	0.621345284	0.898355427	0.2770101	5.6E-05
cg13725590	chr2	North Shore	0.545571355	0.822342195	0.2767708	0.000133
cg15146122	chr2	Open Sea	0.522195496	0.798639745	0.2764442	0.011599
cg07930673	chr2	North Shelf	0.552723682	0.828765044	0.2760414	0.000342
cg16794961	chr2	Open Sea	0.576400452	0.852406355	0.2760059	0.002048
cg23612570	chr2	North Shelf	0.486081902	0.761846426	0.2757645	0.01627
cg00451388	chr2	North Shore	0.548006372	0.823764637	0.2757583	6.01E-05
cg22237707	chr2	Open Sea	0.611454362	0.887097083	0.2756427	1.52E-06
cg06493695	chr2	Open Sea	0.65073992	0.926235646	0.2754957	2.39E-07
cg24594459	chr2	Open Sea	0.397906351	0.673217065	0.2753107	0.025909
cg13481776	chr2	North Shelf	0.544452122	0.819537847	0.2750857	3.69E-06
cg14674802	chr2	South Shore	0.456848433	0.731795276	0.2749468	0.016172
cg25000021	chr2	Open Sea	0.623206876	0.897776234	0.2745694	5.98E-05
cg21540530	chr2	Open Sea	0.374666674	0.648965249	0.2742986	0.02802
cg03032798	chr2	Open Sea	0.391345898	0.665477213	0.2741313	0.0174
cg02557922	chr2	Open Sea	0.496775567	0.770690446	0.2739149	7.82E-07
cg06544882	chr2	Open Sea	0.523302874	0.797043386	0.2737405	0.029674
cg10917619	chr2	South Shore	0.433800394	0.706448712	0.2726483	0.011069
cg08989942	chr2	Open Sea	0.553041375	0.825592303	0.2725509	0.000224
cg27091865	chr2	Open Sea	0.395801619	0.667964735	0.2721631	0.022481
cg23649280	chr2	Open Sea	0.489055313	0.760706204	0.2716509	0.00511
cg22681709	chr2	Open Sea	0.427655318	0.698712027	0.2710567	0.00211
cg07218647	chr2	South Shelf	0.50836633	0.779193405	0.2708271	0.043966
cg19020434	chr2	South Shelf	0.576234845	0.847018482	0.2707836	0.012059
cg05256276	chr2	Open Sea	0.657921271	0.928519394	0.2705981	9.61E-06
cg13025359	chr2	Open Sea	0.554327661	0.8238202	0.2694925	0.009111
cg00094744	chr2	North Shelf	0.335024678	0.604489655	0.269465	0.007265
cg21315873	chr2	South Shelf	0.611437551	0.880758256	0.2693207	2.49E-05
cg07469838	chr2	Open Sea	0.598895385	0.868148149	0.2692528	0.008328
cg12001457	chr2	Open Sea	0.546449758	0.815560778	0.269111	1.46E-05
cg18542495	chr2	Open Sea	0.310216809	0.579300104	0.2690833	9.6E-08
cg19302979	chr2	Open Sea	0.479392211	0.74822178	0.2688296	0.028121
cg06625640	chr2	North Shelf	0.24879019	0.517386233	0.268596	0.005323
cg20314918	chr2	Open Sea	0.443623736	0.71187599	0.2682523	0.015596
cg00775863	chr2	Open Sea	0.314756899	0.582920745	0.2681638	0.000554
cg22512663	chr2	North Shelf	0.603193745	0.870777002	0.2675833	1.28E-05
cg21844291	chr2	North Shelf	0.584734579	0.852297892	0.2675633	0.043477
cg17021949	chr2	Open Sea	0.617350536	0.884907232	0.2675567	0.009368
cg17297613	chr2	Open Sea	0.631991761	0.899313707	0.2673219	6.31E-07
cg25947773	chr2	Open Sea	0.578392516	0.845418411	0.2670259	0.003728
cg26680793	chr2	Open Sea	0.679342533	0.944051137	0.2647086	6.86E-05
cg01272790	chr2	Open Sea	0.640947703	0.905565113	0.2646174	6.07E-06
cg03998495	chr2	Open Sea	0.531527386	0.796133254	0.2646059	0.000943
cg15746445	chr2	Open Sea	0.426948472	0.690126602	0.2631781	0.003542
cg22864617	chr2	Open Sea	0.504698977	0.767000055	0.2623011	0.01297
cg14144469	chr2	North Shore	0.628285486	0.890389185	0.2621037	2.5E-05
cg17293838	chr2	North Shelf	0.586538157	0.847700495	0.2611623	0.001161
cg08449164	chr2	North Shore	0.469485295	0.730096362	0.2606111	0.03629
cg21686287	chr2	Open Sea	0.603579488	0.863678416	0.2600989	4.93E-05



cg09062961	chr2	Open Sea	0.662813076	0.922767095	0.259954	9.32E-05
cg20611039	chr2	Open Sea	0.561041414	0.820960803	0.2599194	0.003916
cg06808305	chr2	North Shore	0.519711364	0.779176043	0.2594647	0.041519
cg10628035	chr2	Open Sea	0.534385499	0.793568162	0.2591827	0.002006
cg22885000	chr2	Open Sea	0.531671491	0.79061901	0.2589475	0.003636
cg11376339	chr2	Open Sea	0.513382097	0.772171302	0.2587892	0.022871
cg27004195	chr2	Open Sea	0.518201	0.776929556	0.2587286	0.033495
cg23302945	chr2	Open Sea	0.54927717	0.807965721	0.2586886	0.01368
cg20841588	chr2	Open Sea	0.504995114	0.763623015	0.2586279	0.000232
cg09701582	chr2	South Shore	0.582883776	0.841508468	0.2586247	0.006821
cg15301057	chr2	Open Sea	0.64582272	0.903608355	0.2577856	9.3E-06
cg20872072	chr2	South Shelf	0.510082047	0.767683896	0.2576018	0.004842
cg08189280	chr2	South Shelf	0.644925015	0.901634353	0.2567093	0.00013
cg12250807	chr2	Open Sea	0.588579103	0.845261183	0.2566821	0.047629
cg08034990	chr2	Open Sea	0.573430658	0.829933609	0.256503	0.00013
cg13378563	chr2	Open Sea	0.660968006	0.917031024	0.256063	2.87E-05
cg06574769	chr2	Island	0.620404672	0.875958914	0.2555542	0.000335
cg00579706	chr2	North Shore	0.476719692	0.732119593	0.2553999	2.22E-05
cg04315554	chr2	Open Sea	0.426076646	0.679045384	0.2529687	0.007949
cg03377767	chr2	Open Sea	0.3693494	0.622293289	0.2529439	0.044721
cg27226238	chr2	Open Sea	0.628156758	0.880758282	0.2526015	0.000133
cg26118675	chr2	Open Sea	0.572517023	0.825010855	0.2524938	2.39E-05
cg14446494	chr2	North Shore	0.555825321	0.808152473	0.2523272	0.036925
cg06621431	chr2	Open Sea	0.663274774	0.915581879	0.2523071	0.000171
cg24216893	chr2	Open Sea	0.597774577	0.849049044	0.2512745	0.002505
cg10766866	chr2	Open Sea	0.558297594	0.809280117	0.2509825	8.38E-05
cg03263123	chr2	Open Sea	0.57330905	0.824246445	0.2509374	0.006981
cg27361577	chr2	North Shore	0.403166466	0.653758594	0.2505921	0.038865
cg02066476	chr2	Open Sea	0.603529402	0.85377112	0.2502417	0.000448
cg20485058	chr2	Open Sea	0.602736299	0.852859475	0.2501232	0.044698
cg15741855	chr2	Open Sea	0.599303667	0.849084991	0.2497813	0.000208
cg21349914	chr2	Open Sea	0.639383967	0.888969428	0.2495855	0.001437
cg21595092	chr2	Open Sea	0.489968428	0.739145188	0.2491768	0.002591
cg18446140	chr2	Open Sea	0.575311995	0.824413416	0.2491014	0.000671
cg22948077	chr2	North Shore	0.639473363	0.888349385	0.248876	0.006554
cg00724015	chr2	Open Sea	0.460716524	0.708408765	0.2476922	2.43E-05
cg19705853	chr2	South Shelf	0.587347844	0.835029327	0.2476815	7.45E-05
cg02069095	chr2	North Shelf	0.526544535	0.773985757	0.2474412	0.000311
cg20495418	chr2	North Shelf	0.631631575	0.879058327	0.2474268	0.000685
cg19995899	chr2	Open Sea	0.574069477	0.821301793	0.2472323	0.019523
cg10187167	chr2	Open Sea	0.600679202	0.847330214	0.246651	3.86E-05
cg15851696	chr2	Open Sea	0.563541601	0.810099435	0.2465578	5.01E-05
cg18330370	chr2	Open Sea	0.51780987	0.763837789	0.2460279	1.24E-07
cg02674324	chr2	North Shore	0.614499387	0.859874122	0.2453747	0.000335
cg26828767	chr2	Open Sea	0.649772593	0.894629591	0.244857	6.36E-06
cg09389557	chr2	Open Sea	0.626642713	0.871358197	0.2447155	0.005084
cg08998212	chr2	South Shore	0.315470116	0.559902576	0.2444325	2.09E-06
cg08286791	chr2	Open Sea	0.543118819	0.786805977	0.2436872	0.043543
cg25798782	chr2	South Shore	0.593329407	0.836768002	0.2434386	0.034761
cg17730764	chr2	Open Sea	0.562033355	0.805364814	0.2433315	9.62E-05

cg04802018	chr2	Open Sea	0.455432312	0.698713826	0.2432815	0.004398
cg00672093	chr2	Open Sea	0.549478031	0.792376015	0.242898	4.56E-05
cg07262519	chr2	Open Sea	0.665254305	0.90810237	0.2428481	5.82E-06
cg04741366	chr2	Open Sea	0.659610435	0.901905493	0.2422951	9.7E-05
cg10075506	chr2	Open Sea	0.667035006	0.909252996	0.242218	0.000749
cg24925163	chr2	North Shore	0.404274237	0.646487177	0.2422129	0.000515
cg04788769	chr2	North Shelf	0.696069929	0.938039632	0.2419697	0.000105
cg11915812	chr2	Open Sea	0.518207347	0.760090931	0.2418836	0.029736
cg09360931	chr2	Open Sea	0.665996124	0.907757326	0.2417612	0.000199
cg01147467	chr2	North Shelf	0.624774544	0.866066071	0.2412915	0.000634
cg26000807	chr2	Open Sea	0.504164839	0.745416598	0.2412518	9.1E-05
cg09675299	chr2	Open Sea	0.509077007	0.750231875	0.2411549	0.000314
cg18538751	chr2	Open Sea	0.484947596	0.725938441	0.2409908	0.005261
cg26040244	chr2	Open Sea	0.604121697	0.84510242	0.2409807	0.003163
cg17010895	chr2	Open Sea	0.455989166	0.696695537	0.2407064	0.048983
cg08717402	chr2	Open Sea	0.524894866	0.765114325	0.2402195	0.002258
cg17365725	chr2	Open Sea	0.498216441	0.738222564	0.2400061	0.02523
cg16509592	chr2	Open Sea	0.635382401	0.875338899	0.2399565	0.000264
cg00397714	chr2	Open Sea	0.61145501	0.851344291	0.2398893	0.000127
cg04735632	chr2	South Shore	0.566289158	0.805818888	0.2395297	0.02091
cg15343463	chr2	Open Sea	0.67842875	0.917088647	0.2386599	4.92E-06
cg19578183	chr2	South Shore	0.361777612	0.600239421	0.2384618	0.020051
cg05986623	chr2	Open Sea	0.592269363	0.830640643	0.2383713	0.003946
cg07412254	chr2	Open Sea	0.663944918	0.902027628	0.2380827	0.000223
cg01116956	chr2	North Shore	0.445199376	0.683276166	0.2380768	0.000386
cg13880193	chr2	Open Sea	0.584404569	0.822466602	0.238062	0.001425
cg00669330	chr2	South Shelf	0.517609163	0.755027986	0.2374188	0.00593
cg26647242	chr2	Open Sea	0.58336483	0.820780472	0.2374156	0.010787
cg22129276	chr2	Open Sea	0.353018748	0.589558316	0.2365396	0.014212
cg12603369	chr2	Open Sea	0.585426836	0.821889088	0.2364623	0.044721
cg07203767	chr2	Open Sea	0.635544667	0.871609814	0.2360651	0.007391
cg18361425	chr2	Open Sea	0.587394997	0.823437713	0.2360427	0.025387
cg10081941	chr2	Open Sea	0.642660657	0.8787032	0.2360425	0.018816
cg24545125	chr2	Open Sea	0.658603973	0.894299439	0.2356955	0.035563
cg21759048	chr2	Open Sea	0.647850287	0.88327732	0.235427	0.000184
cg18712919	chr2	North Shore	0.534518297	0.769770248	0.235252	0.00027
cg11143092	chr2	North Shelf	0.479380641	0.714458918	0.2350783	0.040675
cg12252328	chr2	Open Sea	0.549524579	0.784474549	0.23495	0.00161
cg26476630	chr2	Open Sea	0.602715723	0.837433842	0.2347181	0.011746
cg26881591	chr2	Open Sea	0.660571545	0.894977444	0.2344059	7.6E-05
cg10759158	chr2	Open Sea	0.584115732	0.81842667	0.2343109	0.020866
cg01414185	chr2	Island	0.315115355	0.549049023	0.2339337	0.00013
cg21856680	chr2	South Shelf	0.636671923	0.870135727	0.2334638	3.86E-05
cg11132534	chr2	Open Sea	0.639408626	0.872565887	0.2331573	0.000748
cg23490246	chr2	Open Sea	0.364667491	0.597467428	0.2327999	7.06E-05
cg02473287	chr2	Open Sea	0.668070557	0.90016001	0.2320895	0.03779
cg00682069	chr2	North Shelf	0.607820418	0.839878335	0.2320579	0.012341
cg09761705	chr2	Open Sea	0.685211523	0.917207257	0.2319957	0.003129
cg23720898	chr2	Open Sea	0.602191246	0.834114606	0.2319234	0.014471
cg25538881	chr2	Open Sea	0.617701153	0.849307427	0.2316063	0.003395

cg04554613	chr2	Open Sea	0.49767036	0.729124344	0.231454	0.048697
cg03893913	chr2	Open Sea	0.652501931	0.883928609	0.2314267	0.014098
cg01966334	chr2	North Shelf	0.433364096	0.664769724	0.2314056	0.017224
cg16582792	chr2	Open Sea	0.558108091	0.789037941	0.2309299	0.001089
cg00007426	chr2	Open Sea	0.684289739	0.914664969	0.2303752	0.002081
cg03333621	chr2	Island	0.654099985	0.884400557	0.2303006	0.000708
cg05113410	chr2	Open Sea	0.618292457	0.848356285	0.2300638	0.009912
cg10994870	chr2	Island	0.646379894	0.876323481	0.2299436	1.55E-05
cg11513884	chr2	Open Sea	0.429270564	0.65920367	0.2299331	0.008022
cg27587952	chr2	South Shelf	0.482405394	0.712249586	0.2298442	0.013555
cg13491317	chr2	North Shelf	0.59359913	0.82326517	0.229666	0.000751
cg07837078	chr2	Open Sea	0.622238899	0.851636371	0.2293975	1.89E-05
cg18990303	chr2	Island	0.689364007	0.918752522	0.2293885	7.46E-06
cg08267591	chr2	North Shelf	0.599444134	0.828687517	0.2292434	0.00016
cg01695225	chr2	South Shore	0.145446936	0.374664477	0.2292175	0.041103
cg09759432	chr2	South Shelf	0.639311049	0.868429625	0.2291186	8.09E-05
cg12747584	chr2	Open Sea	0.49740198	0.726493031	0.2290911	0.007953
cg20313856	chr2	North Shelf	0.661892999	0.890660331	0.2287673	0.000241
cg23902076	chr2	Open Sea	0.488553792	0.717233648	0.2286799	0.049558
cg24215159	chr2	Island	0.625506002	0.854085002	0.228579	0.002937
cg24375470	chr2	Open Sea	0.59146491	0.820022616	0.2285577	0.000287
cg22538712	chr2	Open Sea	0.659369616	0.887878509	0.2285089	3E-05
cg10413688	chr2	South Shelf	0.608168268	0.835933715	0.2277654	0.048611
cg01897036	chr2	South Shore	0.618168359	0.845425192	0.2272568	0.025725
cg24083720	chr2	Open Sea	0.66147252	0.888724937	0.2272524	3.61E-05
cg25296103	chr2	Open Sea	0.335261054	0.562393672	0.2271326	0.004616
cg22075362	chr2	Open Sea	0.581255156	0.808082163	0.226827	0.001806
cg05978707	chr2	Open Sea	0.621760265	0.84845672	0.2266965	0.00409
cg05049825	chr2	Open Sea	0.618855876	0.845315616	0.2264597	0.041288
cg05907034	chr2	Open Sea	0.554404997	0.780843071	0.2264381	0.048326
cg01173650	chr2	Open Sea	0.556119418	0.782416814	0.2262974	0.005378
cg13712012	chr2	Open Sea	0.645075093	0.871196943	0.2261219	0.001537
cg26313421	chr2	Open Sea	0.672283723	0.898338404	0.2260547	0.00019
cg22437586	chr2	Open Sea	0.403112332	0.629003378	0.225891	0.007581
cg03030419	chr2	Open Sea	0.520728501	0.746348921	0.2256204	0.001828
cg25734624	chr2	Open Sea	0.685539847	0.911141774	0.2256019	0.000104
cg19411699	chr2	Open Sea	0.596208574	0.821538108	0.2253295	0.002272
cg25786136	chr2	Open Sea	0.668514741	0.89354079	0.225026	7.4E-05
cg18147278	chr2	North Shelf	0.478384674	0.703240294	0.2248556	0.000231
cg17870569	chr2	North Shelf	0.46291673	0.687769835	0.2248531	0.001708
cg18968409	chr2	Open Sea	0.277444001	0.501544864	0.2241009	0.012803
cg24522085	chr2	Open Sea	0.619321715	0.842952342	0.2236306	0.000123
cg17531776	chr2	North Shore	0.675217463	0.898683842	0.2234664	0.000804
cg13973727	chr2	Open Sea	0.563221084	0.786610787	0.2233897	0.001145
cg21670983	chr2	North Shore	0.590626212	0.813786016	0.2231598	0.00232
cg03286742	chr2	Open Sea	0.660283391	0.882652823	0.2223694	0.001304
cg09449104	chr2	South Shelf	0.688355464	0.910089488	0.221734	0.00039
cg02462081	chr2	North Shore	0.690769121	0.912243172	0.2214741	7.45E-06
cg13758186	chr2	Open Sea	0.353823544	0.574696923	0.2208734	0.023073
cg16354502	chr2	South Shelf	0.613696706	0.833756139	0.2200594	0.000262

cg15660807	chr2	South Shelf	0.363649858	0.583674861	0.220025	0.000376
cg00685853	chr2	North Shore	0.691155753	0.910858164	0.2197024	0.000145
cg19411272	chr2	Open Sea	0.571532312	0.790807952	0.2192756	9.5E-05
cg04589521	chr2	South Shore	0.682806166	0.902019864	0.2192137	0.000327
cg06697522	chr2	Island	0.622274608	0.841486781	0.2192122	0.031873
cg03305746	chr2	Open Sea	0.625609402	0.844811553	0.2192022	0.003987
cg02798394	chr2	Open Sea	0.534859424	0.753729017	0.2188696	0.004173
cg06702600	chr2	Open Sea	0.623734378	0.842536315	0.2188019	0.029324
cg11418389	chr2	Open Sea	0.630976989	0.84976326	0.2187863	0.003067
cg05075562	chr2	Open Sea	0.661121002	0.879039127	0.2179181	0.030626
cg23367089	chr2	North Shelf	0.688199576	0.905956682	0.2177571	0.000868
cg04013994	chr2	Open Sea	0.589478336	0.80714822	0.2176699	0.001595
cg17588294	chr2	Open Sea	0.464401206	0.682024321	0.2176231	0.000146
cg14399440	chr2	Open Sea	0.696146639	0.913660887	0.2175142	0.000259
cg05070608	chr2	North Shore	0.630797394	0.848217369	0.21742	0.00094
cg17280514	chr2	North Shore	0.398377935	0.615689311	0.2173114	0.021316
cg14992768	chr2	Open Sea	0.555485353	0.772533866	0.2170485	0.000235
cg19716702	chr2	Open Sea	0.548207759	0.765027344	0.2168196	0.00041
cg09489825	chr2	South Shelf	0.667127447	0.883909253	0.2167818	0.013253
cg22415472	chr2	North Shore	0.687578129	0.904289083	0.216711	0.000732
cg24761668	chr2	Open Sea	0.479642536	0.696103946	0.2164614	0.007559
cg17346345	chr2	South Shelf	0.467718047	0.684081678	0.2163636	0.000133
cg01737003	chr2	Open Sea	0.694229048	0.910453183	0.2162241	0.000255
cg16089796	chr2	South Shore	0.660923646	0.876925549	0.2160019	0.000165
cg07687899	chr2	Open Sea	0.702428494	0.918196519	0.215768	0.000901
cg08977702	chr2	Open Sea	0.687682657	0.903395667	0.215713	0.000549
cg18366249	chr2	Open Sea	0.687251804	0.902508198	0.2152564	0.000705
cg24737570	chr2	Open Sea	0.537600382	0.752693426	0.215093	0.003203
cg23902610	chr2	Open Sea	0.693955403	0.908810459	0.2148551	0.000347
cg16597412	chr2	Open Sea	0.699128289	0.913957533	0.2148292	0.00086
cg24828304	chr2	South Shelf	0.707666658	0.921940371	0.2142737	0.000873
cg25683575	chr2	South Shelf	0.643253312	0.857183746	0.2139304	0.00861
cg09469079	chr2	Open Sea	0.554845838	0.768666815	0.213821	0.014293
cg10331500	chr2	North Shelf	0.511385679	0.724949317	0.2135636	0.006916
cg14382249	chr2	Open Sea	0.666064353	0.87942771	0.2133634	0.015073
cg22242238	chr2	Open Sea	0.633910402	0.846957748	0.2130473	0.000507
cg11775579	chr2	Open Sea	0.537894156	0.750879036	0.2129849	0.000904
cg17485141	chr2	Open Sea	0.662029957	0.87497015	0.2129402	0.00016
cg19958021	chr2	South Shelf	0.654150708	0.866975062	0.2128244	0.009407
cg09887415	chr2	Island	0.509373899	0.721413358	0.2120395	0.000621
cg11068930	chr2	Open Sea	0.660959979	0.872908566	0.2119486	0.003342
cg26372498	chr2	Open Sea	0.568678882	0.780165923	0.211487	0.035807
cg20155196	chr2	Open Sea	0.702870208	0.914205982	0.2113358	0.000353
cg17933206	chr2	Open Sea	0.664953193	0.875068574	0.2101154	0.000266
cg04527612	chr2	Open Sea	0.637273743	0.845709333	0.2084356	0.002667
cg13173536	chr2	Open Sea	0.63715648	0.845327383	0.2081709	0.032511
cg13419884	chr2	Island	0.722802002	0.930852369	0.2080504	5.86E-05
cg11655390	chr2	South Shelf	0.641058504	0.849017242	0.2079587	0.008593
cg04239558	chr2	Open Sea	0.173919435	0.381848959	0.2079295	5.85E-05
cg18530712	chr2	Open Sea	0.682248947	0.889920179	0.2076712	0.000917

cg22386774	chr2	Open Sea	0.595037139	0.802577724	0.2075406	0.01355
cg21165909	chr2	Open Sea	0.639337999	0.846519288	0.2071813	9.98E-05
cg18586780	chr2	South Shore	0.655753745	0.862701902	0.2069482	0.03222
cg12043508	chr2	Open Sea	0.630894154	0.837760154	0.206866	0.000997
cg06481517	chr2	Open Sea	0.403660167	0.610259472	0.2065993	0.028934
cg07988979	chr2	Island	0.688304582	0.894602057	0.2062975	0.001624
cg15928680	chr2	Open Sea	0.136314888	0.342544336	0.2062294	0.034075
cg11918073	chr2	North Shore	0.711570341	0.917763434	0.2061931	0.002823
cg10902340	chr2	South Shore	0.694972367	0.900893201	0.2059208	0.00672
cg06573398	chr2	Open Sea	0.606001638	0.811747075	0.2057454	0.003402
cg06020182	chr2	Open Sea	0.70737529	0.912593018	0.2052177	0.003412
cg00787608	chr2	Open Sea	0.683260917	0.888304343	0.2050434	0.001601
cg23260456	chr2	Open Sea	0.543796299	0.748549389	0.2047531	0.01174
cg06118116	chr2	North Shore	0.510089766	0.714368369	0.2042786	0.000188
cg07289618	chr2	Open Sea	0.446994364	0.651143649	0.2041493	0.043427
cg17454298	chr2	Open Sea	0.692696933	0.896666981	0.20397	0.002173
cg20497304	chr2	Open Sea	0.653139457	0.85697744	0.203838	0.001941
cg25481636	chr2	Open Sea	0.714027518	0.917860383	0.2038329	0.00107
cg19795150	chr2	Open Sea	0.614374773	0.818069595	0.2036948	0.044723
cg05403347	chr2	Open Sea	0.66716467	0.870681453	0.2035168	0.00013
cg15703357	chr2	North Shelf	0.638968258	0.841727653	0.2027594	0.025907
cg14508405	chr2	Open Sea	0.613687011	0.816222616	0.2025356	0.008287
cg02468821	chr2	Open Sea	0.701074869	0.903428909	0.202354	0.022694
cg07088935	chr2	Open Sea	0.722531739	0.92452062	0.2019889	0.000616
cg23325313	chr2	North Shore	0.719646623	0.921611911	0.2019653	0.001705
cg01150918	chr2	South Shelf	0.318226686	0.520113123	0.2018864	9.92E-05
cg03281426	chr2	North Shore	0.69119912	0.892342689	0.2011436	0.003238
cg25614596	chr2	South Shore	0.596382011	0.797210467	0.2008285	0.010718
cg25446017	chr2	North Shelf	0.559740573	0.760527448	0.2007869	4.85E-07
cg13158199	chr2	Open Sea	0.645321563	0.846081497	0.2007599	0.037143
cg15681466	chr2	Open Sea	0.70958947	0.909931928	0.2003425	0.009565
cg00095431	chr2	Open Sea	0.553889163	0.75396697	0.2000778	0.00327
cg07795968	chr20	Open Sea	0.324568983	0.758211014	0.433642	0.008479
cg15449979	chr20	South Shelf	0.374642247	0.802287199	0.427645	1.5E-09
cg05177629	chr20	Open Sea	0.28073326	0.678334163	0.3976009	0.023357
cg20299254	chr20	North Shore	0.491257629	0.860728982	0.3694714	0.010791
cg02311163	chr20	Open Sea	0.541785753	0.910109801	0.368324	9.86E-08
cg23466118	chr20	Open Sea	0.567409568	0.924788378	0.3573788	0.001101
cg02668218	chr20	South Shelf	0.509540367	0.858451285	0.3489109	9.03E-07
cg19378216	chr20	Open Sea	0.456407961	0.80332682	0.3469189	0.002066
cg02775867	chr20	North Shore	0.472399694	0.797139425	0.3247397	0.012844
cg08330217	chr20	South Shelf	0.541408177	0.864015777	0.3226076	1.27E-05
cg11274778	chr20	Open Sea	0.48488494	0.805724217	0.3208393	0.000511
cg25188760	chr20	South Shelf	0.522457728	0.83840049	0.3159428	2.92E-05
cg14143580	chr20	Open Sea	0.485882424	0.80086937	0.3149869	8.73E-06
cg22255095	chr20	South Shore	0.478361445	0.791403509	0.3130421	0.002445
cg16121136	chr20	Open Sea	0.502754324	0.815297838	0.3125435	0.000439
cg07833342	chr20	Open Sea	0.530264813	0.83874301	0.3084782	3.12E-06
cg18787420	chr20	North Shore	0.315273707	0.620067	0.3047933	0.046635
cg01279413	chr20	North Shore	0.251429871	0.551507934	0.3000781	0.046329

cg08482501	chr20	Island	0.530478714	0.829560167	0.2990815	4.53E-06
cg16162122	chr20	North Shelf	0.510243631	0.806034042	0.2957904	0.049124
cg24866792	chr20	Open Sea	0.321686602	0.615940584	0.294254	0.000914
cg01722584	chr20	Open Sea	0.560951741	0.850768629	0.2898169	7.47E-05
cg01671881	chr20	Open Sea	0.490208074	0.779011043	0.288803	6.58E-05
cg15280757	chr20	South Shelf	0.593049755	0.87913705	0.2860873	0.009127
cg09110922	chr20	Open Sea	0.523303599	0.807519155	0.2842156	3.53E-07
cg07376374	chr20	Open Sea	0.409663135	0.693793354	0.2841302	8.52E-06
cg10740895	chr20	Open Sea	0.582433107	0.863059181	0.2806261	0.002138
cg13715798	chr20	North Shelf	0.507813436	0.784268919	0.2764555	1.27E-05
cg24522489	chr20	North Shelf	0.605058769	0.880223738	0.275165	5.81E-05
cg19717150	chr20	Open Sea	0.485457799	0.759165926	0.2737081	5.93E-05
cg20312687	chr20	Open Sea	0.561457283	0.834969426	0.2735121	0.017911
cg05269013	chr20	South Shelf	0.454294861	0.727627755	0.2733329	0.003824
cg01479232	chr20	Open Sea	0.396504562	0.669816609	0.273312	6.52E-06
cg23085846	chr20	North Shelf	0.564414057	0.836281553	0.2718675	0.021043
cg06962867	chr20	North Shelf	0.566300411	0.837829481	0.2715291	7.36E-06
cg04742334	chr20	Open Sea	0.41071492	0.682123599	0.2714087	4.24E-05
cg22348992	chr20	Island	0.427212498	0.696430492	0.269218	0.001329
cg24616366	chr20	North Shelf	0.592475951	0.861601208	0.2691253	0.007911
cg06182261	chr20	Open Sea	0.533784428	0.80111245	0.267328	0.007096
cg03454863	chr20	Open Sea	0.564041038	0.831156967	0.2671159	1.05E-06
cg25182716	chr20	South Shelf	0.650254179	0.917365329	0.2671111	2.57E-05
cg14727409	chr20	Open Sea	0.536897869	0.802183213	0.2652853	0.000193
cg22602592	chr20	South Shelf	0.582487281	0.847332474	0.2648452	0.000327
cg23791824	chr20	North Shelf	0.634191028	0.89706524	0.2628742	0.006098
cg10946576	chr20	Island	0.528329511	0.78895547	0.260626	0.001069
cg26281051	chr20	Open Sea	0.559994369	0.820481645	0.2604873	0.000256
cg04636876	chr20	Open Sea	0.482724601	0.742108987	0.2593844	6.37E-05
cg05851042	chr20	South Shore	0.676173443	0.935460745	0.2592873	6.51E-07
cg02811473	chr20	North Shelf	0.632355036	0.890974428	0.2586194	0.000853
cg20485165	chr20	Open Sea	0.445283363	0.703879484	0.2585961	0.00479
cg04945608	chr20	Open Sea	0.633314283	0.891404115	0.2580898	1.37E-05
cg14961750	chr20	Island	0.6428237	0.899848695	0.257025	0.00083
cg01125531	chr20	North Shore	0.649474401	0.905057749	0.2555833	0.000162
cg26821293	chr20	South Shore	0.536592002	0.791197381	0.2546054	0.001024
cg11826008	chr20	North Shelf	0.252659401	0.507226448	0.254567	8.63E-06
cg08117745	chr20	North Shelf	0.61364689	0.868199073	0.2545522	0.00088
cg17814028	chr20	North Shelf	0.50766321	0.760858906	0.2531957	1.13E-05
cg22418307	chr20	North Shelf	0.658037359	0.907837195	0.2497998	0.000128
cg13950362	chr20	Open Sea	0.430223783	0.679570136	0.2493464	1.98E-05
cg14721506	chr20	South Shelf	0.571324641	0.819543674	0.248219	0.008317
cg13782274	chr20	Island	0.636706526	0.884453684	0.2477472	0.002542
cg23856293	chr20	Open Sea	0.651841889	0.898670806	0.2468289	3.33E-05
cg22048683	chr20	South Shore	0.438382287	0.684354722	0.2459724	3.15E-08
cg12680822	chr20	Island	0.544263517	0.789571887	0.2453084	3.02E-06
cg24758452	chr20	North Shelf	0.470269997	0.714194261	0.2439243	0.001027
cg18323376	chr20	Open Sea	0.5105302	0.754198929	0.2436687	0.041876
cg01362541	chr20	North Shore	0.502408404	0.744112289	0.2417039	0.000217
cg23997421	chr20	Open Sea	0.614232952	0.85556075	0.2413278	0.003474

cg04476891	chr20	Open Sea	0.412925063	0.653186217	0.2402612	1.12E-05
cg03199996	chr20	Open Sea	0.374496194	0.61278569	0.2382895	0.008473
cg00159764	chr20	North Shore	0.46103205	0.698904428	0.2378724	8.64E-05
cg21003377	chr20	North Shelf	0.570971416	0.808676947	0.2377055	0.000402
cg02778678	chr20	Island	0.667131619	0.904455152	0.2373235	0.000104
cg01901706	chr20	North Shelf	0.558298347	0.795130774	0.2368324	0.015074
cg25098585	chr20	South Shelf	0.579002959	0.815192778	0.2361898	0.002182
cg11939450	chr20	Open Sea	0.629856513	0.865154841	0.2352983	0.000482
cg04742384	chr20	North Shelf	0.507162593	0.740880356	0.2337178	4.77E-06
cg01216882	chr20	Open Sea	0.522289974	0.755485682	0.2331957	0.013865
cg26478582	chr20	Open Sea	0.575910844	0.807720435	0.2318096	0.001205
cg20672708	chr20	Open Sea	0.475141631	0.706046681	0.230905	0.01614
cg11618057	chr20	North Shore	0.527879147	0.758698017	0.2308189	0.000588
cg01105337	chr20	North Shore	0.54183997	0.772221175	0.2303812	0.006186
cg03568039	chr20	Open Sea	0.685268128	0.91548449	0.2302164	0.000701
cg00334976	chr20	Open Sea	0.561159645	0.791320324	0.2301607	0.00039
cg08178815	chr20	South Shore	0.680103281	0.909336502	0.2292332	6.86E-05
cg12969998	chr20	Open Sea	0.416739031	0.643031553	0.2262925	2.95E-05
cg12873919	chr20	North Shore	0.299547215	0.525395214	0.225848	1.11E-05
cg03128590	chr20	South Shelf	0.70906664	0.934557877	0.2254912	6.49E-05
cg01524923	chr20	North Shore	0.612560868	0.837723248	0.2251624	0.020277
cg15667931	chr20	South Shore	0.585653149	0.810236553	0.2245834	7.81E-06
cg03031672	chr20	South Shore	0.521841307	0.74595586	0.2241146	0.010308
cg06338376	chr20	Island	0.581888822	0.805985797	0.224097	0.00394
cg13890714	chr20	Island	0.70528353	0.92924596	0.2239624	0.000185
cg03840472	chr20	Open Sea	0.687384496	0.91082394	0.2234394	0.002477
cg21957191	chr20	Open Sea	0.564518403	0.787897791	0.2233794	0.000526
cg23711059	chr20	South Shore	0.437059626	0.659456738	0.2223971	0.000814
cg26765743	chr20	Open Sea	0.627532234	0.846816274	0.219284	0.017414
cg11901715	chr20	Open Sea	0.444636266	0.663610443	0.2189742	0.014409
cg03352168	chr20	Open Sea	0.728336433	0.945623008	0.2172866	0.001827
cg20484832	chr20	Open Sea	0.637871528	0.855073952	0.2172024	0.004969
cg07434253	chr20	North Shore	0.46483343	0.681826903	0.2169935	0.006612
cg15442800	chr20	South Shore	0.632678515	0.848559454	0.2158809	0.000635
cg00153448	chr20	South Shelf	0.399935278	0.615448577	0.2155133	0.027036
cg20920419	chr20	South Shore	0.602362334	0.816986565	0.2146242	0.014031
cg06372145	chr20	Open Sea	0.509953679	0.724158657	0.214205	0.016076
cg21406518	chr20	Open Sea	0.613287891	0.826847729	0.2135598	0.010585
cg09659400	chr20	Open Sea	0.670873299	0.882503968	0.2116307	0.002899
cg01029637	chr20	North Shore	0.660425022	0.87045466	0.2100296	0.001248
cg00287413	chr20	North Shore	0.708291082	0.917730083	0.209439	0.001339
cg03569068	chr20	Open Sea	0.665585076	0.874956214	0.2093711	0.012885
cg16848154	chr20	South Shelf	0.617377779	0.826192405	0.2088146	0.002147
cg09968709	chr20	Open Sea	0.6340646	0.841783431	0.2077188	0.002789
cg09028855	chr20	North Shore	0.686615402	0.894213723	0.2075983	0.000169
cg08583859	chr20	South Shelf	0.461282396	0.668466834	0.2071844	0.011073
cg19059861	chr20	Open Sea	0.337300489	0.543308728	0.2060082	0.019805
cg09675824	chr20	Island	0.638200315	0.843543339	0.205343	0.01508
cg09966455	chr20	South Shelf	0.621240291	0.82611337	0.2048731	0.000524
cg13399773	chr20	Open Sea	0.707469202	0.91233704	0.2048678	0.00101

cg17775003	chr20	Open Sea	0.646107322	0.850295096	0.2041878	0.001427
cg11801374	chr20	Open Sea	0.708903402	0.912396502	0.2034931	0.000284
cg14378039	chr20	Open Sea	0.478510148	0.679967654	0.2014575	0.00134
cg00046026	chr20	North Shore	0.39004905	0.59032566	0.2002766	7.07E-06
cg02797195	chr21	North Shore	0.420552871	0.899082932	0.4785301	4.54E-09
cg18597421	chr21	North Shore	0.477533984	0.900244983	0.422711	1.39E-06
cg10095801	chr21	South Shore	0.513259283	0.932589488	0.4193302	2.33E-08
cg19788250	chr21	North Shore	0.465766335	0.869073568	0.4033072	0.019775
cg24943066	chr21	North Shelf	0.513556693	0.912948061	0.3993914	1.31E-08
cg04617640	chr21	North Shore	0.449572168	0.840733349	0.3911612	0.018449
cg14414154	chr21	North Shelf	0.50708985	0.894873886	0.387784	4.52E-05
cg10198932	chr21	Open Sea	0.425138547	0.809533774	0.3843952	0.016595
cg26048478	chr21	Open Sea	0.451395173	0.834889781	0.3834946	0.01806
cg01286133	chr21	North Shore	0.558184861	0.938967104	0.3807822	3.5E-09
cg18500968	chr21	Open Sea	0.491937358	0.871340999	0.3794036	3.98E-06
cg25937451	chr21	Open Sea	0.368873296	0.728907539	0.3600342	0.022474
cg07172334	chr21	Open Sea	0.391185114	0.750112398	0.3589273	0.01405
cg25023666	chr21	Open Sea	0.463262986	0.815611404	0.3523484	9.05E-06
cg13520715	chr21	Open Sea	0.555407563	0.904997276	0.3495897	4.58E-05
cg12363671	chr21	Open Sea	0.491483527	0.831634984	0.3401515	0.000754
cg25143099	chr21	South Shelf	0.532696004	0.851729182	0.3190332	3.64E-06
cg25832305	chr21	South Shore	0.604075371	0.920036617	0.3159612	1.45E-05
cg26405759	chr21	South Shore	0.522283376	0.837503574	0.3152202	0.009877
cg26237628	chr21	Open Sea	0.485412716	0.800418235	0.3150055	0.000327
cg01688776	chr21	Open Sea	0.456270375	0.761195684	0.3049253	0.004053
cg25608949	chr21	Open Sea	0.572790386	0.875349124	0.3025587	0.000514
cg11056129	chr21	Open Sea	0.492632282	0.791520337	0.2988881	0.012134
cg26709720	chr21	Open Sea	0.582019285	0.875883233	0.2938639	0.009829
cg25734539	chr21	Open Sea	0.514929235	0.807099422	0.2921702	0.007462
cg24640676	chr21	Open Sea	0.471631435	0.756236266	0.2846048	0.003967
cg03366992	chr21	South Shore	0.392120028	0.663480288	0.2713603	2.13E-08
cg02628840	chr21	Island	0.573674547	0.844102748	0.2704282	0.032109
cg24423088	chr21	Open Sea	0.59320573	0.857166648	0.2639609	0.000168
cg21871091	chr21	North Shelf	0.309449067	0.569790396	0.2603413	0.01705
cg02764897	chr21	Open Sea	0.536568807	0.794117603	0.2575488	0.00502
cg05168609	chr21	Open Sea	0.547899388	0.80427577	0.2563764	0.005187
cg04847841	chr21	South Shore	0.67064249	0.925838126	0.2551956	9.54E-05
cg12367786	chr21	South Shore	0.337408178	0.590653121	0.2532449	0.000214
cg02642585	chr21	Open Sea	0.620850694	0.871364127	0.2505134	0.000242
cg08650934	chr21	Island	0.63234954	0.881776123	0.2494266	9.47E-06
cg04351905	chr21	North Shore	0.559894573	0.808769661	0.2488751	0.008808
cg17367472	chr21	Open Sea	0.555836876	0.804421745	0.2485849	5.65E-05
cg18574298	chr21	Open Sea	0.64458218	0.892680479	0.2480983	0.000696
cg11506205	chr21	North Shelf	0.680052487	0.925179058	0.2451266	0.001023
cg07330438	chr21	North Shore	0.455267762	0.699646934	0.2443792	0.035484
cg16812893	chr21	Open Sea	0.589684589	0.833582636	0.243898	0.007347
cg20857253	chr21	Open Sea	0.608987115	0.851785742	0.2427986	0.000474
cg24359868	chr21	South Shelf	0.640548924	0.882731411	0.2421825	0.000929
cg02869163	chr21	South Shore	0.506108842	0.747394421	0.2412856	0.032892
cg25390243	chr21	Island	0.694340302	0.93410057	0.2397603	0.002052



cg27123464	chr21	North Shelf	0.604837631	0.844131003	0.2392934	0.000171
cg13863153	chr21	Open Sea	0.639609177	0.87522819	0.235619	5.13E-05
cg03993463	chr21	Open Sea	0.663374803	0.897527049	0.2341522	6.5E-05
cg23736024	chr21	Open Sea	0.661161368	0.895163579	0.2340022	0.000348
cg00349542	chr21	North Shore	0.60332022	0.836176699	0.2328565	0.034056
cg17449254	chr21	Open Sea	0.607337731	0.840019449	0.2326817	0.001061
cg10382945	chr21	Open Sea	0.653301941	0.882235067	0.2289331	0.002663
cg11852796	chr21	Open Sea	0.349495616	0.577615432	0.2281198	0.00013
cg03863756	chr21	Island	0.704335777	0.928742316	0.2244065	0.000308
cg22643217	chr21	Open Sea	0.664069717	0.888001161	0.2239314	0.001094
cg01716252	chr21	North Shore	0.591993073	0.80930967	0.2173166	0.047503
cg20488657	chr21	Open Sea	0.687171175	0.903538065	0.2163669	5.06E-05
cg09456254	chr21	Open Sea	0.687866423	0.901063061	0.2131966	0.000104
cg07057320	chr21	Open Sea	0.48621806	0.698650144	0.2124321	0.000169
cg17035109	chr21	North Shelf	0.541093059	0.752983641	0.2118906	0.008798
cg01360586	chr21	North Shelf	0.61624062	0.827371673	0.2111311	0.004776
cg04658707	chr21	Island	0.629953193	0.839988014	0.2100348	0.008664
cg13792279	chr21	Open Sea	0.680745252	0.890374142	0.2096289	0.00026
cg23653443	chr21	Open Sea	0.724946761	0.932629606	0.2076828	1.56E-05
cg21643128	chr21	South Shore	0.610918276	0.814145288	0.203227	0.003099
cg05030251	chr21	North Shore	0.629180488	0.831813465	0.202633	0.005268
cg03534481	chr21	North Shelf	0.720233558	0.922380736	0.2021472	0.000389
cg00488514	chr22	North Shore	0.419873436	0.84343234	0.4235589	7.46E-09
cg07959986	chr22	Open Sea	0.452760245	0.833862238	0.381102	0.000884
cg04392554	chr22	Island	0.54826511	0.917856797	0.3695917	6.87E-06
cg07280182	chr22	North Shore	0.500150695	0.864942131	0.3647914	0.000822
cg05799169	chr22	Island	0.375251217	0.729010751	0.3537595	0.042196
cg19831369	chr22	South Shore	0.510046573	0.853509371	0.3434628	1.64E-05
cg12986453	chr22	North Shore	0.520169495	0.862744843	0.3425753	3.27E-06
cg08471335	chr22	Island	0.45970446	0.798144308	0.3384398	0.033932
cg14596108	chr22	Island	0.515022521	0.840377804	0.3253553	0.000504
cg18469292	chr22	South Shore	0.571723413	0.89395116	0.3222277	6.54E-08
cg10138313	chr22	Open Sea	0.434807703	0.742736114	0.3079284	0.004081
cg10301236	chr22	South Shore	0.516426252	0.820447694	0.3040214	0.011357
cg27166177	chr22	Island	0.345234176	0.638615866	0.2933817	0.008636
cg02553039	chr22	North Shore	0.496024827	0.775604303	0.2795795	0.022631
cg23346237	chr22	Island	0.479869678	0.757304932	0.2774353	0.033474
cg13652373	chr22	South Shore	0.438641852	0.713044843	0.274403	0.022397
cg19174658	chr22	South Shelf	0.63048607	0.903894792	0.2734087	8.68E-06
cg12968041	chr22	South Shore	0.621338727	0.894699237	0.2733605	0.000203
cg22912095	chr22	South Shore	0.659755396	0.930915508	0.2711601	6.42E-05
cg23949216	chr22	North Shore	0.614014149	0.883688198	0.269674	1.72E-05
cg07305859	chr22	Island	0.672902778	0.938257845	0.2653551	0.000285
cg14647989	chr22	South Shelf	0.662615706	0.927568014	0.2649523	2.86E-05
cg00344801	chr22	Island	0.423734576	0.682836678	0.2591021	0.049637
cg03423957	chr22	North Shore	0.535455564	0.79428438	0.2588288	0.002833
cg21432763	chr22	Island	0.574577184	0.832840695	0.2582635	3.51E-06
cg09290175	chr22	Island	0.652659405	0.909357164	0.2566978	1.52E-05
cg24670330	chr22	North Shore	0.630113345	0.880288427	0.2501751	3.29E-05
cg19521610	chr22	North Shore	0.310988267	0.56106447	0.2500762	0.042907

cg15665276	chr22	South Shelf	0.641526847	0.89157985	0.250053	0.000116
cg19206437	chr22	Open Sea	0.524199381	0.773365587	0.2491662	8.83E-06
cg03097190	chr22	Open Sea	0.559620225	0.805719231	0.246099	0.023906
cg02420032	chr22	North Shore	0.669664572	0.912764567	0.2431	0.036227
cg04360334	chr22	South Shore	0.653349704	0.896314446	0.2429647	8.1E-05
cg13772700	chr22	Island	0.525185885	0.766722638	0.2415368	8.21E-06
cg22424213	chr22	South Shore	0.676968064	0.917507804	0.2405397	0.000393
cg17654567	chr22	South Shelf	0.633786742	0.873106042	0.2393193	0.00477
cg02601618	chr22	Open Sea	0.64666547	0.879565859	0.2329004	0.000267
cg17827477	chr22	Island	0.447262669	0.679523497	0.2322608	0.000283
cg01245880	chr22	North Shore	0.524827635	0.755212577	0.2303849	0.001555
cg10799608	chr22	Open Sea	0.557859628	0.787113781	0.2292542	0.004384
cg26034629	chr22	Open Sea	0.623299312	0.850528437	0.2272291	0.000339
cg13114028	chr22	North Shelf	0.690769337	0.916270077	0.2255007	0.002217
cg04583339	chr22	Open Sea	0.549806285	0.773944174	0.2241379	0.033628
cg04873169	chr22	North Shore	0.640760516	0.863669155	0.2229086	1.34E-05
cg00743803	chr22	North Shore	0.708938625	0.929407939	0.2204693	0.000129
cg17522369	chr22	North Shore	0.600969418	0.819641366	0.2186719	0.002902
cg00243272	chr22	Island	0.519686356	0.73725826	0.2175719	0.003031
cg02580626	chr22	Open Sea	0.602009548	0.819482419	0.2174729	0.047279
cg03312805	chr22	South Shelf	0.475644484	0.692410282	0.2167658	0.027138
cg05090319	chr22	Island	0.712408528	0.929155605	0.2167471	0.000126
cg18507053	chr22	South Shelf	0.668543762	0.88478287	0.2162391	0.00057
cg25795369	chr22	North Shelf	0.639318202	0.855305197	0.215987	0.001578
cg00682553	chr22	Island	0.695546424	0.909801106	0.2142547	0.005885
cg04406762	chr22	North Shelf	0.620751265	0.831876148	0.2111249	0.028602
cg09835278	chr22	Open Sea	0.631046247	0.84101644	0.2099702	0.001068
cg16104384	chr22	South Shore	0.600693793	0.810464883	0.2097711	0.001121
cg20811788	chr22	Island	0.498121215	0.706255475	0.2081343	0.000426
cg04722059	chr22	Island	0.624977122	0.832805866	0.2078287	0.001674
cg07054523	chr22	South Shelf	0.671250427	0.875612215	0.2043618	0.010775
cg04556646	chr22	North Shore	0.466542395	0.670884653	0.2043423	0.021033
cg20904010	chr22	Open Sea	0.674152186	0.876088427	0.2019362	0.000269
cg13872278	chr22	South Shore	0.661367644	0.863280308	0.2019127	0.01567
cg06564500	chr22	North Shore	0.707267298	0.908303475	0.2010362	0.000417
cg01277983	chr22	Open Sea	0.613736737	0.814434756	0.200698	0.0032
cg13151171	chr3	Open Sea	0.40659373	0.853624407	0.4470307	0.006287
cg11011913	chr3	Open Sea	0.482199801	0.913457674	0.4312579	1.44E-08
cg18503031	chr3	Open Sea	0.486081043	0.893771961	0.4076909	0.000306
cg10719144	chr3	Open Sea	0.391611138	0.777836422	0.3862253	0.000738
cg03804083	chr3	Open Sea	0.521196787	0.90546951	0.3842727	5.7E-07
cg18142906	chr3	Open Sea	0.407337043	0.784163164	0.3768261	0.001765
cg01576260	chr3	Open Sea	0.50726547	0.883600973	0.3763355	5.9E-09
cg23012591	chr3	Open Sea	0.512020739	0.88801959	0.3759989	1.4E-07
cg19918599	chr3	Open Sea	0.525276302	0.886361117	0.3610848	0.022099
cg24667736	chr3	Open Sea	0.302526156	0.660205505	0.3576793	0.020575
cg25358250	chr3	Open Sea	0.439363808	0.785878875	0.3465151	0.006786
cg02093692	chr3	Open Sea	0.391579878	0.73800553	0.3464257	0.024745
cg04906886	chr3	Open Sea	0.49480169	0.841119785	0.3463181	5.16E-05
cg13523819	chr3	Open Sea	0.548443754	0.893033536	0.3445898	0.002618

cg07106766	chr3	Open Sea	0.422093246	0.765697026	0.3436038	0.001161
cg23620049	chr3	Open Sea	0.552046474	0.893239292	0.3411928	1.5E-06
cg21646032	chr3	Open Sea	0.465371709	0.802298644	0.3369269	0.002717
cg11211952	chr3	Open Sea	0.539971824	0.876379943	0.3364081	2.55E-05
cg06339275	chr3	Open Sea	0.452527064	0.785950399	0.3334233	9.4E-06
cg19963231	chr3	Open Sea	0.446388822	0.77941469	0.3330259	9.88E-07
cg22601300	chr3	South Shelf	0.527533797	0.859617745	0.3320839	1.69E-08
cg16810559	chr3	Open Sea	0.442228765	0.770245445	0.3280167	0.002948
cg01458495	chr3	Open Sea	0.540131647	0.864652365	0.3245207	0.024194
cg13634423	chr3	Open Sea	0.595475116	0.918457084	0.322982	3.48E-06
cg10590657	chr3	Open Sea	0.422232106	0.743370588	0.3211385	0.016079
cg17480641	chr3	South Shore	0.457499061	0.776812563	0.3193135	0.001784
cg10964627	chr3	Open Sea	0.509335393	0.828450806	0.3191154	0.024834
cg02583589	chr3	Open Sea	0.478369363	0.797036545	0.3186672	8.72E-07
cg20197622	chr3	Open Sea	0.552641679	0.868232035	0.3155904	6.52E-06
cg23340034	chr3	Open Sea	0.577056945	0.891851545	0.3147946	2.15E-07
cg21565017	chr3	Open Sea	0.607023293	0.915645574	0.3086223	8.96E-07
cg26334154	chr3	Open Sea	0.478169689	0.786630816	0.3084611	0.004751
cg02706919	chr3	Open Sea	0.422516636	0.729648738	0.3071321	0.04555
cg07064537	chr3	Open Sea	0.454350006	0.761429795	0.3070798	0.00544
cg18147676	chr3	Open Sea	0.546209192	0.851274804	0.3050656	0.039077
cg19811231	chr3	Open Sea	0.586440783	0.891082516	0.3046417	1.75E-05
cg16921789	chr3	Open Sea	0.55540032	0.859777534	0.3043772	0.000856
cg01532749	chr3	Open Sea	0.479983662	0.7835225	0.3035388	0.023161
cg15442678	chr3	North Shelf	0.448134786	0.750824154	0.3026894	0.00021
cg14329285	chr3	Open Sea	0.565161996	0.867008669	0.3018467	0.004358
cg18060030	chr3	Open Sea	0.611803644	0.910727935	0.2989243	0.0009
cg25707745	chr3	Open Sea	0.492925806	0.791348776	0.298423	1.4E-05
cg21360867	chr3	Open Sea	0.610202837	0.907927248	0.2977244	7.4E-08
cg22626825	chr3	Open Sea	0.468891896	0.766260409	0.2973685	0.032647
cg26283496	chr3	Open Sea	0.491549241	0.788435684	0.2968864	0.039951
cg06038444	chr3	South Shelf	0.642072878	0.938540572	0.2964677	1.98E-06
cg22379436	chr3	Open Sea	0.598833985	0.895225315	0.2963913	8.88E-05
cg20519665	chr3	Open Sea	0.595490992	0.891870951	0.29638	4.7E-06
cg12432161	chr3	Open Sea	0.583262089	0.879298319	0.2960362	1.56E-05
cg14526375	chr3	Open Sea	0.402791767	0.697760982	0.2949692	0.000898
cg10623221	chr3	South Shelf	0.474281772	0.769153384	0.2948716	0.001705
cg02760495	chr3	Open Sea	0.525325441	0.819593739	0.2942683	0.046456
cg08037727	chr3	Open Sea	0.522550317	0.814866219	0.2923159	0.025893
cg11883790	chr3	Open Sea	0.610701068	0.902499463	0.2917984	1.44E-05
cg08881614	chr3	South Shelf	0.596836715	0.88789556	0.2910588	0.000162
cg07450292	chr3	Open Sea	0.47800649	0.768689477	0.290683	9.83E-08
cg03660603	chr3	Open Sea	0.576264881	0.866103067	0.2898382	5.97E-05
cg25374494	chr3	Open Sea	0.546468491	0.835645015	0.2891765	8.98E-06
cg14718495	chr3	Open Sea	0.546051249	0.834389118	0.2883379	7.15E-06
cg22673972	chr3	Open Sea	0.554003071	0.841256518	0.2872534	0.007736
cg05979170	chr3	Open Sea	0.487060546	0.773139078	0.2860785	0.042787
cg24173753	chr3	Open Sea	0.586802151	0.872554532	0.2857524	0.005529
cg07557173	chr3	Open Sea	0.470221302	0.755891082	0.2856698	0.042009
cg13590456	chr3	Open Sea	0.5718613	0.857108826	0.2852475	0.017014

cg19825437	chr3	North Shelf	0.592006079	0.877249333	0.2852433	0.00018
cg01882260	chr3	Open Sea	0.31621531	0.597670546	0.2814552	0.006691
cg00832928	chr3	Island	0.550447772	0.830954821	0.280507	0.000692
cg24874998	chr3	Open Sea	0.404675903	0.683647905	0.278972	4.2E-07
cg24082174	chr3	South Shore	0.569424063	0.847680147	0.2782561	0.025232
cg10548708	chr3	North Shelf	0.587214656	0.864732299	0.2775176	0.007565
cg01945223	chr3	Open Sea	0.591008341	0.868289396	0.2772811	0.002681
cg10638793	chr3	Open Sea	0.638038626	0.915111853	0.2770732	7.69E-05
cg09089913	chr3	Open Sea	0.61825358	0.893854242	0.2756007	1.24E-09
cg15607292	chr3	Open Sea	0.568041359	0.843595103	0.2755537	0.006853
cg00235661	chr3	South Shore	0.539799199	0.81482803	0.2750288	0.006645
cg10518475	chr3	Open Sea	0.595523323	0.87026794	0.2747446	7.86E-06
cg04458548	chr3	Open Sea	0.593320013	0.867044625	0.2737246	2.63E-05
cg25593573	chr3	South Shore	0.389757615	0.663120638	0.273363	0.002238
cg18589504	chr3	South Shelf	0.565882555	0.838471018	0.2725885	0.01417
cg27345946	chr3	South Shore	0.280871957	0.553071062	0.2721991	0.000655
cg00757822	chr3	Open Sea	0.494792485	0.76684676	0.2720543	0.000757
cg25499537	chr3	North Shore	0.400940178	0.672479306	0.2715391	0.009247
cg19928195	chr3	Open Sea	0.577262129	0.848785733	0.2715236	0.028888
cg03434780	chr3	Open Sea	0.611672577	0.883062597	0.27139	0.000776
cg09851241	chr3	Open Sea	0.634735463	0.905315232	0.2705798	3.17E-07
cg18543142	chr3	Open Sea	0.60574421	0.874640834	0.2688966	2.69E-06
cg15225056	chr3	North Shelf	0.63325524	0.901515746	0.2682605	7.23E-05
cg07587475	chr3	Open Sea	0.669666218	0.936850634	0.2671844	3.53E-06
cg23542948	chr3	Open Sea	0.510548317	0.77764399	0.2670957	0.029533
cg24977541	chr3	South Shore	0.561595006	0.828101364	0.2665064	0.003911
cg17151621	chr3	Open Sea	0.462554653	0.727043263	0.2644886	6.56E-06
cg24156261	chr3	Open Sea	0.636709106	0.899438917	0.2627298	3.88E-05
cg20224885	chr3	Open Sea	0.466023042	0.726498159	0.2604751	0.001898
cg08276221	chr3	Open Sea	0.643482866	0.901265052	0.2577822	4.85E-05
cg24278076	chr3	Open Sea	0.653253771	0.910031919	0.2567781	0.000264
cg11484936	chr3	Open Sea	0.532013493	0.785181892	0.2531684	0.038349
cg24435939	chr3	Open Sea	0.60533446	0.857874939	0.2525405	0.041213
cg16529676	chr3	Open Sea	0.588319884	0.840833988	0.2525141	0.000625
cg08510718	chr3	Open Sea	0.635818179	0.887773729	0.2519555	0.000153
cg23976846	chr3	Open Sea	0.411055028	0.662972142	0.2519171	0.002909
cg03831180	chr3	Open Sea	0.226951634	0.478742465	0.2517908	0.00013
cg02696881	chr3	Open Sea	0.560548667	0.811888765	0.2513401	0.000989
cg12174409	chr3	South Shore	0.648926851	0.900096947	0.2511701	8.33E-05
cg00003965	chr3	Open Sea	0.635190175	0.885554338	0.2503642	0.000276
cg27502580	chr3	Open Sea	0.641072088	0.891038271	0.2499662	0.000134
cg15371566	chr3	Open Sea	0.45210436	0.701807747	0.2497034	0.000131
cg11857626	chr3	Open Sea	0.641608924	0.891289266	0.2496803	2.68E-05
cg18453551	chr3	Open Sea	0.391216151	0.640577576	0.2493614	0.000698
cg17891906	chr3	North Shelf	0.628194708	0.876930234	0.2487355	0.002827
cg19008646	chr3	Open Sea	0.625020378	0.87361833	0.248598	0.000244
cg01438868	chr3	Open Sea	0.462147359	0.709690788	0.2475434	0.00254
cg12406124	chr3	North Shore	0.627460238	0.874946411	0.2474862	0.010719
cg03825810	chr3	Open Sea	0.502679318	0.749337884	0.2466586	0.00016
cg07959956	chr3	North Shore	0.558638758	0.805231191	0.2465924	0.045905

cg25528121	chr3	Open Sea	0.602361623	0.848837044	0.2464754	0.000317
cg22211507	chr3	Open Sea	0.357058642	0.603358061	0.2462994	0.008727
cg23719209	chr3	Open Sea	0.568149285	0.813835964	0.2456867	0.044355
cg11835020	chr3	Open Sea	0.487464887	0.732889593	0.2454247	0.001977
cg11375831	chr3	Open Sea	0.634052717	0.879103336	0.2450506	7.02E-05
cg10665123	chr3	Open Sea	0.435081123	0.679894458	0.2448133	0.031284
cg20752683	chr3	Open Sea	0.549882095	0.79464519	0.2447631	0.041398
cg22305574	chr3	Open Sea	0.559457481	0.804158058	0.2447006	0.026764
cg14928452	chr3	Open Sea	0.616903011	0.860778075	0.2438751	0.000322
cg13151664	chr3	Open Sea	0.648805882	0.89262415	0.2438183	0.000402
cg02700130	chr3	Open Sea	0.585788952	0.828990943	0.243202	0.035573
cg12906963	chr3	Open Sea	0.511875025	0.754343864	0.2424688	0.000617
cg16503628	chr3	Open Sea	0.465051509	0.707159776	0.2421083	0.023059
cg01081718	chr3	North Shore	0.619358955	0.859264579	0.2399056	0.002398
cg04396010	chr3	Open Sea	0.565179409	0.804004736	0.2388253	7.79E-06
cg24275159	chr3	North Shelf	0.668673503	0.907060852	0.2383873	9.67E-06
cg03498588	chr3	Open Sea	0.676573265	0.914578443	0.2380052	0.001774
cg25631489	chr3	South Shore	0.283962731	0.521929128	0.2379664	0.003768
cg06220604	chr3	South Shelf	0.24749207	0.484318587	0.2368265	4.88E-07
cg25565505	chr3	Open Sea	0.62388339	0.85987256	0.2359892	0.000376
cg03882967	chr3	Open Sea	0.535166061	0.770202243	0.2350362	0.001359
cg03545548	chr3	Open Sea	0.571217607	0.805294165	0.2340766	0.028819
cg25317435	chr3	Open Sea	0.620841738	0.854644789	0.2338031	6.75E-05
cg11624728	chr3	South Shore	0.509901157	0.743687724	0.2337866	0.028084
cg00423655	chr3	Open Sea	0.584924719	0.818372311	0.2334476	0.0022
cg21026460	chr3	Open Sea	0.529904502	0.762924546	0.23302	0.034964
cg12924224	chr3	Open Sea	0.607797701	0.840216283	0.2324186	0.001405
cg19140928	chr3	Open Sea	0.666352028	0.89859848	0.2322465	0.000573
cg15149374	chr3	Open Sea	0.654842455	0.886074073	0.2312316	9.59E-05
cg13614060	chr3	Open Sea	0.600627853	0.8313812	0.2307533	0.000294
cg27235955	chr3	Open Sea	0.660381417	0.890933588	0.2305522	1.38E-05
cg00486998	chr3	Open Sea	0.524571488	0.754214457	0.229643	0.049525
cg16338011	chr3	Open Sea	0.393294201	0.622409559	0.2291154	0.02737
cg20138861	chr3	Open Sea	0.660348802	0.889257335	0.2289085	0.000519
cg20566970	chr3	Open Sea	0.511162481	0.740048187	0.2288857	0.001325
cg05580560	chr3	Open Sea	0.589745204	0.81831449	0.2285693	0.037094
cg21864732	chr3	Open Sea	0.544136244	0.772303896	0.2281677	0.017629
cg21383534	chr3	Open Sea	0.651881639	0.88004777	0.2281661	0.008895
cg24984506	chr3	Open Sea	0.656176075	0.883463223	0.2272871	0.000385
cg02012769	chr3	Open Sea	0.703484606	0.930112631	0.226628	0.000171
cg21977522	chr3	Open Sea	0.415429294	0.641760258	0.226331	0.000235
cg06140698	chr3	Open Sea	0.625030133	0.850634836	0.2256047	0.043038
cg08177332	chr3	Open Sea	0.481831445	0.706685967	0.2248545	0.000546
cg26226254	chr3	Open Sea	0.628390889	0.852948743	0.2245579	0.000252
cg02646643	chr3	Open Sea	0.516293285	0.738268421	0.2219751	8.19E-05
cg25671428	chr3	Open Sea	0.69724082	0.918663641	0.2214228	0.00121
cg05837855	chr3	Open Sea	0.389511618	0.610681873	0.2211703	3.58E-05
cg07626033	chr3	South Shore	0.508180609	0.728625424	0.2204448	0.000901
cg19835040	chr3	Open Sea	0.68056081	0.900914448	0.2203536	0.046674
cg20943372	chr3	Open Sea	0.569431281	0.789585077	0.2201538	0.040196

cg22117188	chr3	Open Sea	0.416140034	0.635619197	0.2194792	0.031773
cg10365562	chr3	North Shelf	0.51579665	0.735271934	0.2194753	9.54E-05
cg19795338	chr3	Open Sea	0.45821107	0.677365212	0.2191541	0.000259
cg26073181	chr3	Open Sea	0.702232306	0.921198952	0.2189666	0.000178
cg02605996	chr3	Open Sea	0.368186945	0.586661157	0.2184742	0.002154
cg13688966	chr3	Open Sea	0.647866227	0.866038393	0.2181722	0.000796
cg07732593	chr3	Open Sea	0.598618726	0.816762877	0.2181442	0.004299
cg07458793	chr3	Open Sea	0.717617712	0.935089988	0.2174723	0.001302
cg01556799	chr3	Open Sea	0.41716997	0.633686461	0.2165165	0.000616
cg03275461	chr3	Open Sea	0.583626802	0.799778418	0.2161516	0.004538
cg17336354	chr3	Open Sea	0.695888528	0.911859735	0.2159712	0.000161
cg25159668	chr3	Open Sea	0.643276939	0.859245107	0.2159682	0.00116
cg14861047	chr3	Open Sea	0.607187446	0.82299252	0.2158051	0.000724
cg27011350	chr3	Open Sea	0.650542461	0.866094826	0.2155524	0.004164
cg14844401	chr3	Open Sea	0.633121469	0.848595062	0.2154736	0.005534
cg04474190	chr3	Open Sea	0.644872645	0.859998879	0.2151262	0.012499
cg19855559	chr3	Open Sea	0.526441305	0.741357227	0.2149159	0.008244
cg12027424	chr3	Open Sea	0.588064276	0.802712804	0.2146485	0.019526
cg06722212	chr3	Open Sea	0.605740154	0.820308082	0.2145679	0.040776
cg06340382	chr3	Open Sea	0.609440128	0.823939035	0.2144989	0.006806
cg16899444	chr3	Open Sea	0.70148646	0.915947637	0.2144612	0.000372
cg13638983	chr3	South Shelf	0.303078957	0.51733172	0.2142528	0.000101
cg05261893	chr3	Open Sea	0.598078662	0.812180188	0.2141015	0.015532
cg22314684	chr3	Open Sea	0.694458431	0.908183719	0.2137253	6.51E-05
cg23527468	chr3	Open Sea	0.570051621	0.783743094	0.2136915	0.000969
cg00127781	chr3	Open Sea	0.569426573	0.783064638	0.2136381	0.020818
cg15721238	chr3	Open Sea	0.596639722	0.80998054	0.2133408	0.035242
cg11095099	chr3	South Shelf	0.632850877	0.845807319	0.2129564	0.030676
cg13757263	chr3	Open Sea	0.414266313	0.627007134	0.2127408	1.55E-05
cg11370064	chr3	Open Sea	0.485566436	0.697822855	0.2122564	0.007379
cg26645655	chr3	Open Sea	0.23692236	0.449061893	0.2121395	0.022877
cg11177552	chr3	Open Sea	0.694846111	0.906945406	0.2120993	5.41E-05
cg20388967	chr3	North Shelf	0.587229104	0.799231755	0.2120027	0.014163
cg08553630	chr3	South Shelf	0.689770904	0.901516749	0.2117458	0.002263
cg12987403	chr3	Open Sea	0.662115611	0.873703657	0.211588	0.001038
cg03854852	chr3	North Shore	0.671270451	0.882317839	0.2110474	0.008123
cg08450017	chr3	Open Sea	0.63027332	0.840523048	0.2102497	0.024261
cg22931622	chr3	Open Sea	0.628263956	0.838455165	0.2101912	0.009029
cg12309030	chr3	Open Sea	0.591935825	0.801664333	0.2097285	0.047016
cg26375196	chr3	Open Sea	0.661291452	0.870827948	0.2095365	1.95E-05
cg26328626	chr3	Open Sea	0.497955493	0.70677481	0.2088193	6.17E-05
cg09407319	chr3	North Shelf	0.559400077	0.768090857	0.2086908	0.017226
cg26028315	chr3	South Shelf	0.642828771	0.851368511	0.2085397	0.004414
cg15622805	chr3	North Shelf	0.590210116	0.79829727	0.2080872	0.003988
cg15097422	chr3	Open Sea	0.470013523	0.677886734	0.2078732	0.012225
cg17206604	chr3	Open Sea	0.717027026	0.924248663	0.2072216	3.76E-05
cg16339097	chr3	Open Sea	0.602515702	0.808826816	0.2063111	0.000948
cg00026141	chr3	North Shore	0.567341936	0.773639069	0.2062971	0.047411
cg09007331	chr3	Open Sea	0.60057658	0.806794547	0.206218	0.016193
cg27103436	chr3	North Shore	0.655304942	0.861259007	0.2059541	0.006681

cg20892840	chr3	South Shore	0.506948194	0.712240044	0.2052918	0.026651
cg10721942	chr3	South Shelf	0.643746549	0.848911928	0.2051654	5.29E-05
cg17643564	chr3	Open Sea	0.721202879	0.925891209	0.2046883	0.000759
cg01425409	chr3	North Shelf	0.545344419	0.749504137	0.2041597	0.001117
cg04747996	chr3	Open Sea	0.725184377	0.92925086	0.2040665	0.000151
cg12191488	chr3	South Shelf	0.606442714	0.810338232	0.2038955	0.000293
cg25756867	chr3	Open Sea	0.682790141	0.886628331	0.2038382	0.000669
cg16957824	chr3	Open Sea	0.664260173	0.867988315	0.2037281	0.030152
cg16143997	chr3	Open Sea	0.577466477	0.780856395	0.2033899	0.000318
cg06339090	chr3	Open Sea	0.51438744	0.717658068	0.2032706	0.00019
cg19833674	chr3	Open Sea	0.710303917	0.913568948	0.203265	0.000344
cg04558907	chr3	Open Sea	0.708365204	0.911585551	0.2032203	0.000484
cg25423174	chr3	Open Sea	0.497482094	0.700175501	0.2026934	0.036314
cg09883745	chr3	Open Sea	0.686858994	0.889003443	0.2021444	0.000323
cg23054394	chr3	North Shore	0.737536312	0.939496394	0.2019601	0.002048
cg03668982	chr3	South Shore	0.698841527	0.90079548	0.201954	5.49E-05
cg24815638	chr3	Open Sea	0.554614837	0.755925045	0.2013102	0.003117
cg00980904	chr3	North Shore	0.425891713	0.626487104	0.2005954	0.031998
cg03018634	chr3	South Shelf	0.647780519	0.848273812	0.2004933	0.007973
cg02734358	chr4	North Shore	0.203050649	0.717927199	0.5148766	5.71E-11
cg18053973	chr4	Open Sea	0.264659649	0.744229696	0.47957	3.05E-05
cg18463607	chr4	North Shore	0.409559625	0.861152533	0.4515929	6.11E-05
cg24600608	chr4	Open Sea	0.451833982	0.881347488	0.4295135	3.13E-06
cg18720506	chr4	Open Sea	0.488322671	0.90557265	0.41725	3.82E-07
cg26693439	chr4	Open Sea	0.32161461	0.734101675	0.4124871	3.94E-08
cg12144446	chr4	Open Sea	0.402884194	0.797993221	0.395109	0.000709
cg09464883	chr4	Open Sea	0.513746031	0.904516197	0.3907702	1.59E-06
cg22490722	chr4	Open Sea	0.555591966	0.943893391	0.3883014	6.33E-09
cg05267427	chr4	Open Sea	0.441748713	0.820471939	0.3787232	0.023327
cg14665366	chr4	North Shore	0.501528439	0.877194001	0.3756656	1.34E-05
cg14155327	chr4	Open Sea	0.427166655	0.801145354	0.3739787	0.026457
cg10190898	chr4	Open Sea	0.502223744	0.874959906	0.3727362	8.08E-06
cg26544722	chr4	Open Sea	0.407402352	0.777590892	0.3701885	9.4E-08
cg18969798	chr4	Open Sea	0.496545627	0.864962791	0.3684172	1.79E-07
cg06859106	chr4	South Shelf	0.449639734	0.815801624	0.3661619	0.001148
cg00610294	chr4	South Shore	0.476712434	0.842514403	0.365802	0.000169
cg08273672	chr4	South Shelf	0.41574147	0.777703089	0.3619616	0.006265
cg22935533	chr4	Open Sea	0.542386088	0.89903974	0.3566537	2.4E-07
cg06034336	chr4	Open Sea	0.503182097	0.858311061	0.355129	0.003099
cg17895446	chr4	Open Sea	0.398018862	0.747949471	0.3499306	0.04925
cg12845923	chr4	Open Sea	0.483932025	0.831627202	0.3476952	0.026854
cg19843540	chr4	Open Sea	0.551683937	0.896837627	0.3451537	4.59E-08
cg06691616	chr4	Open Sea	0.386579392	0.729083323	0.3425039	0.015508
cg02210887	chr4	North Shore	0.576760011	0.918987213	0.3422272	2.37E-07
cg06562964	chr4	North Shore	0.577551406	0.91788027	0.3403289	2.9E-08
cg09317128	chr4	South Shelf	0.249636125	0.588609464	0.3389733	0.003803
cg18098498	chr4	Open Sea	0.529530282	0.864494709	0.3349644	0.000554
cg23651495	chr4	Open Sea	0.282012154	0.616796011	0.3347839	0.018968
cg00372132	chr4	Open Sea	0.603712505	0.936359462	0.332647	4.76E-07
cg14599380	chr4	Open Sea	0.450594728	0.782751123	0.3321564	2.82E-05

cg10099813	chr4	Open Sea	0.565001827	0.896866063	0.3318642	3.07E-08
cg14865309	chr4	South Shore	0.525001944	0.852543016	0.3275411	0.00019
cg01238639	chr4	North Shore	0.385338287	0.712145787	0.3268075	0.00517
cg20168495	chr4	Open Sea	0.343093202	0.663371532	0.3202783	0.017124
cg13662778	chr4	Open Sea	0.477749047	0.792974745	0.3152257	0.034896
cg18329797	chr4	Open Sea	0.55270819	0.865005351	0.3122972	3.11E-06
cg00892999	chr4	North Shore	0.542587541	0.854777583	0.31219	0.0292
cg01593385	chr4	Open Sea	0.478200558	0.789474964	0.3112744	3.26E-05
cg24770408	chr4	Open Sea	0.4003603	0.710565625	0.3102053	2.72E-06
cg03815116	chr4	Open Sea	0.545332614	0.854578837	0.3092462	0.000304
cg10104674	chr4	Open Sea	0.476375099	0.78451965	0.3081446	0.007201
cg02060919	chr4	Open Sea	0.462600561	0.770590641	0.3079901	1.61E-05
cg05679403	chr4	Open Sea	0.50506559	0.812650379	0.3075848	0.000344
cg21924472	chr4	Open Sea	0.496381452	0.798613646	0.3022322	1.64E-06
cg24221738	chr4	North Shelf	0.5270607	0.828615921	0.3015552	0.023725
cg17933300	chr4	South Shelf	0.569279385	0.870460923	0.3011815	0.007016
cg13137032	chr4	Open Sea	0.533870846	0.834840732	0.3009699	0.02089
cg25889581	chr4	Open Sea	0.526293191	0.826735577	0.3004424	0.000986
cg01716296	chr4	Open Sea	0.546281344	0.846000234	0.2997189	6.47E-05
cg18348318	chr4	Open Sea	0.554829082	0.852693645	0.2978646	0.023746
cg10009737	chr4	South Shelf	0.610167221	0.90756298	0.2973958	2.21E-06
cg00899463	chr4	Open Sea	0.616470442	0.91357743	0.297107	6.95E-06
cg23452220	chr4	Open Sea	0.462180985	0.75747073	0.2952897	0.001004
cg10272520	chr4	South Shore	0.658748245	0.951103752	0.2923555	1.62E-05
cg08453458	chr4	Open Sea	0.502332767	0.794172781	0.29184	0.024935
cg12927785	chr4	Open Sea	0.600219457	0.890612116	0.2903927	9.33E-06
cg03095982	chr4	North Shore	0.572785496	0.862222603	0.2894371	7.92E-06
cg06663149	chr4	Open Sea	0.578627998	0.864706699	0.2860787	0.000486
cg00741986	chr4	Open Sea	0.313692602	0.599225336	0.2855327	1.46E-09
cg06672272	chr4	North Shore	0.5977241	0.88321881	0.2854947	2E-05
cg08684581	chr4	Open Sea	0.589770211	0.875151782	0.2853816	2.92E-05
cg18317694	chr4	South Shore	0.47817273	0.763016971	0.2848442	0.000897
cg16777106	chr4	Open Sea	0.653799202	0.938061606	0.2842624	5.62E-07
cg25855592	chr4	South Shore	0.631036119	0.913562321	0.2825262	2.42E-05
cg05626927	chr4	Open Sea	0.46123042	0.742480998	0.2812506	0.006687
cg19781450	chr4	Open Sea	0.608837814	0.889990882	0.2811531	9.99E-05
cg17840047	chr4	Open Sea	0.623175206	0.903802252	0.280627	5.15E-06
cg27212428	chr4	Open Sea	0.589908197	0.87024819	0.28034	1.91E-05
cg14885038	chr4	Open Sea	0.554765132	0.833679943	0.2789148	0.000676
cg22506801	chr4	Open Sea	0.565124205	0.844008888	0.2788847	0.001083
cg09301559	chr4	Open Sea	0.595245085	0.873716532	0.2784714	4.95E-05
cg21593015	chr4	Open Sea	0.581229276	0.859626263	0.278397	0.012827
cg16581308	chr4	Open Sea	0.575360591	0.852860696	0.2775001	0.00769
cg26640927	chr4	Open Sea	0.389334353	0.666366974	0.2770326	0.010717
cg02708121	chr4	Open Sea	0.597516066	0.873422874	0.2759068	0.003485
cg22548714	chr4	Island	0.58882947	0.863999177	0.2751697	0.002402
cg20312457	chr4	Open Sea	0.636188713	0.909974626	0.2737859	8.09E-07
cg01870330	chr4	Island	0.662502582	0.935228164	0.2727256	9.61E-06
cg17512904	chr4	North Shelf	0.565152075	0.837246845	0.2720948	0.019565
cg22779039	chr4	South Shelf	0.598497156	0.870397475	0.2719003	0.000938



cg23831864	chr4	Open Sea	0.609404818	0.881233333	0.2718285	0.000272
cg04416151	chr4	Open Sea	0.578582427	0.850301689	0.2717193	3.05E-05
cg03155767	chr4	Open Sea	0.567030881	0.834668044	0.2676372	1.04E-05
cg09102610	chr4	Open Sea	0.519701322	0.786557895	0.2668566	0.046921
cg14010852	chr4	Open Sea	0.448153244	0.714893182	0.2667399	0.000961
cg20926939	chr4	Open Sea	0.605484529	0.867996002	0.2625115	0.00106
cg11268590	chr4	North Shelf	0.667321614	0.927870652	0.260549	0.000202
cg15811435	chr4	Open Sea	0.604972677	0.865278586	0.2603059	8.15E-05
cg03473809	chr4	Open Sea	0.560338314	0.818579123	0.2582408	0.000264
cg06888387	chr4	North Shelf	0.620390735	0.878173041	0.2577823	0.00025
cg05434397	chr4	Open Sea	0.595141129	0.852375713	0.2572346	1.91E-05
cg08635822	chr4	Open Sea	0.620140048	0.87536017	0.2552201	0.005334
cg14832661	chr4	North Shore	0.617174261	0.871696753	0.2545225	0.001627
cg05132150	chr4	Open Sea	0.484232784	0.738373132	0.2541403	2.46E-05
cg24952240	chr4	Open Sea	0.60655484	0.860654018	0.2540992	0.027919
cg06634441	chr4	Open Sea	0.471718448	0.72476462	0.2530462	0.017498
cg15650745	chr4	Open Sea	0.567101608	0.81985989	0.2527583	0.002327
cg02378063	chr4	Open Sea	0.54255963	0.794979845	0.2524202	0.002783
cg24720242	chr4	Open Sea	0.501945323	0.752943787	0.2509985	0.003763
cg04477404	chr4	Open Sea	0.653024712	0.903661185	0.2506365	7.81E-06
cg20934839	chr4	Open Sea	0.495775781	0.74572884	0.2499531	0.000593
cg05685643	chr4	Open Sea	0.612448516	0.861337675	0.2488892	0.00207
cg17282466	chr4	North Shore	0.522439231	0.770875042	0.2484358	2.66E-05
cg01807825	chr4	Open Sea	0.498069913	0.746389366	0.2483195	8.28E-05
cg04943241	chr4	South Shelf	0.434932919	0.681579091	0.2466462	2.41E-05
cg24520479	chr4	Open Sea	0.485676295	0.732013285	0.246337	1.55E-05
cg22520372	chr4	Open Sea	0.56864202	0.81472856	0.2460865	0.000123
cg21707633	chr4	Open Sea	0.473074172	0.719079869	0.2460057	0.005126
cg12827188	chr4	Open Sea	0.542909444	0.788420327	0.2455109	0.018753
cg07079724	chr4	Island	0.49553617	0.739358004	0.2438218	0.025617
cg27399031	chr4	Open Sea	0.639177659	0.882371378	0.2431937	0.00034
cg23862925	chr4	North Shore	0.576426054	0.819535889	0.2431098	0.001048
cg24813857	chr4	Open Sea	0.414217679	0.655739862	0.2415222	3.01E-07
cg02186027	chr4	South Shore	0.636967947	0.878313296	0.2413453	2.75E-05
cg05883128	chr4	North Shore	0.421188877	0.662231392	0.2410425	0.005509
cg14948804	chr4	Open Sea	0.527111775	0.768136287	0.2410245	2.53E-05
cg09959931	chr4	North Shelf	0.517082345	0.756689313	0.239607	0.000853
cg02622782	chr4	Open Sea	0.683988255	0.923302735	0.2393145	5.93E-05
cg21304234	chr4	North Shelf	0.614461221	0.853124272	0.2386631	0.000379
cg21599081	chr4	North Shelf	0.513196349	0.751777344	0.238581	9.75E-05
cg05970547	chr4	Open Sea	0.650753479	0.889137763	0.2383843	0.000158
cg23793336	chr4	Open Sea	0.592593772	0.830955283	0.2383615	0.033057
cg07630816	chr4	Open Sea	0.600595367	0.838667848	0.2380725	0.000749
cg15128905	chr4	North Shelf	0.57401572	0.812065041	0.2380493	0.000229
cg05511148	chr4	Open Sea	0.464903214	0.702861814	0.2379586	0.017762
cg03447013	chr4	Open Sea	0.420406604	0.658331591	0.237925	3.32E-05
cg21716061	chr4	North Shore	0.518354563	0.755991726	0.2376372	1.73E-05
cg12027135	chr4	South Shelf	0.64125275	0.878484813	0.2372321	0.005392
cg11570011	chr4	North Shore	0.610946669	0.848150219	0.2372035	0.049942
cg15205559	chr4	Open Sea	0.595439312	0.832158567	0.2367193	0.008121

cg03193847	chr4	Open Sea	0.596146788	0.831934224	0.2357874	0.000459
cg12404294	chr4	Open Sea	0.45654407	0.690708097	0.234164	0.001243
cg23845377	chr4	Open Sea	0.702651925	0.936459828	0.2338079	0.000211
cg21878599	chr4	Open Sea	0.644172068	0.877570875	0.2333988	0.000688
cg10469791	chr4	Open Sea	0.333849289	0.567227237	0.2333779	0.035807
cg26131315	chr4	Open Sea	0.690094855	0.922089158	0.2319943	0.000321
cg00585621	chr4	North Shore	0.357044138	0.587647627	0.2306035	0.024349
cg22325673	chr4	North Shelf	0.390082528	0.620182321	0.2300998	0.00509
cg20856030	chr4	Open Sea	0.670211943	0.899626938	0.229415	0.000364
cg18531779	chr4	Open Sea	0.660897914	0.889989534	0.2290916	0.001565
cg13778078	chr4	North Shore	0.577494951	0.805987046	0.2284921	0.045459
cg10657250	chr4	Open Sea	0.618144114	0.846055023	0.2279109	0.003425
cg16298202	chr4	Open Sea	0.603914889	0.831435851	0.227521	0.007348
cg21464289	chr4	North Shelf	0.549646217	0.776274421	0.2266282	0.000457
cg18953078	chr4	Open Sea	0.710917974	0.937377272	0.2264593	0.000106
cg00499159	chr4	Open Sea	0.649780833	0.875810777	0.2260299	0.001421
cg05936283	chr4	North Shore	0.392488894	0.618476236	0.2259873	0.012982
cg05193407	chr4	Open Sea	0.6233751	0.84932979	0.2259547	0.009001
cg02992596	chr4	North Shore	0.565521352	0.790211148	0.2246898	0.002345
cg24074177	chr4	Open Sea	0.633153838	0.857773261	0.2246194	0.012499
cg07265588	chr4	North Shelf	0.632098109	0.856442474	0.2243444	0.003902
cg00627361	chr4	Open Sea	0.580363907	0.804626992	0.2242631	0.003634
cg16510350	chr4	Open Sea	0.549173524	0.77121846	0.2220449	0.022657
cg21650295	chr4	North Shore	0.734086678	0.955781937	0.2216953	0.000253
cg14771889	chr4	South Shore	0.577081125	0.798695638	0.2216145	0.001891
cg25310097	chr4	Open Sea	0.531953286	0.753444088	0.2214908	0.011612
cg26114352	chr4	Open Sea	0.441914074	0.663105306	0.2211912	0.017908
cg13555050	chr4	Open Sea	0.602807267	0.823583001	0.2207757	0.007717
cg08339159	chr4	Open Sea	0.654323456	0.874893212	0.2205698	0.00188
cg08914932	chr4	Open Sea	0.659090547	0.878477389	0.2193868	0.000364
cg17206150	chr4	South Shore	0.489930644	0.709206057	0.2192754	0.002928
cg08574227	chr4	South Shore	0.41864246	0.636091271	0.2174488	0.034545
cg03114584	chr4	North Shore	0.292439284	0.509452641	0.2170134	0.008187
cg01950474	chr4	Open Sea	0.692827113	0.909471105	0.216644	0.00021
cg08985766	chr4	North Shelf	0.632324671	0.848379654	0.216055	0.006665
cg03204787	chr4	Open Sea	0.681258694	0.897035287	0.2157766	0.001021
cg19531230	chr4	Open Sea	0.589335214	0.804921373	0.2155862	0.000391
cg16386945	chr4	Open Sea	0.691329227	0.9069078	0.2155786	0.000428
cg21331228	chr4	South Shore	0.662940067	0.877348105	0.214408	0.006806
cg09888336	chr4	Island	0.67061494	0.88480589	0.2141909	5.07E-05
cg10437224	chr4	Open Sea	0.62145845	0.83542268	0.2139642	0.01591
cg17222000	chr4	Open Sea	0.53456746	0.74772889	0.2131614	0.000596
cg02204428	chr4	South Shelf	0.640316226	0.85316334	0.2128471	0.035741
cg06676006	chr4	South Shelf	0.69145418	0.903868717	0.2124145	0.017804
cg21794994	chr4	Open Sea	0.601626776	0.813677684	0.2120509	0.00073
cg12726190	chr4	Open Sea	0.535191119	0.746717301	0.2115262	0.00108
cg18571451	chr4	Open Sea	0.695567	0.907039429	0.2114724	0.001119
cg16418329	chr4	Open Sea	0.655288718	0.866703351	0.2114146	0.000647
cg25575532	chr4	Open Sea	0.65507175	0.866334583	0.2112628	0.000435
cg08320122	chr4	Open Sea	0.649872597	0.860932767	0.2110602	0.007239

cg26339943	chr4	South Shelf	0.542400255	0.75340963	0.2110094	0.003852
cg10647739	chr4	Open Sea	0.683027516	0.89398009	0.2109526	0.001192
cg22461018	chr4	Open Sea	0.619074235	0.829621247	0.210547	0.001026
cg14834881	chr4	Open Sea	0.510133596	0.720632356	0.2104988	0.006106
cg05074133	chr4	Open Sea	0.697190453	0.907129411	0.209939	0.000589
cg00152611	chr4	North Shore	0.646703398	0.856081991	0.2093786	0.049456
cg21556967	chr4	South Shelf	0.381339636	0.590516001	0.2091764	1.62E-05
cg11474135	chr4	Open Sea	0.63203648	0.840626758	0.2085903	0.00268
cg04570669	chr4	Open Sea	0.542271459	0.750606678	0.2083352	0.030765
cg25560924	chr4	Open Sea	0.63626451	0.844449472	0.208185	0.039806
cg13697223	chr4	Open Sea	0.670364365	0.877740702	0.2073763	0.000281
cg04457051	chr4	South Shelf	0.69379683	0.900992952	0.2071961	0.000694
cg03605454	chr4	Open Sea	0.65807782	0.863885911	0.2058081	0.000321
cg15480897	chr4	South Shore	0.694673274	0.89996092	0.2052876	0.009745
cg05988291	chr4	North Shore	0.676705726	0.881833315	0.2051276	0.003059
cg18903398	chr4	North Shore	0.565632353	0.770111669	0.2044793	0.001408
cg27190654	chr4	Open Sea	0.548581243	0.753009316	0.2044281	0.000444
cg09176893	chr4	Island	0.699323974	0.903428988	0.204105	0.000122
cg17543218	chr4	South Shore	0.705117603	0.909203584	0.204086	0.000462
cg24729498	chr4	North Shore	0.474211299	0.678155934	0.2039446	0.03979
cg02193513	chr4	North Shore	0.549687118	0.753424623	0.2037375	0.028629
cg02513808	chr4	Open Sea	0.682829886	0.885958365	0.2031285	0.001117
cg01493150	chr4	North Shore	0.469947246	0.672007762	0.2020605	0.001324
cg20510833	chr4	Open Sea	0.644264107	0.845948531	0.2016844	0.002916
cg11249129	chr4	Open Sea	0.719920405	0.921443102	0.2015227	0.001239
cg21383592	chr4	South Shore	0.651074285	0.852317345	0.2012431	1.57E-05
cg25555847	chr4	South Shelf	0.508350767	0.70885011	0.2004993	0.000622
cg20848488	chr4	Open Sea	0.673255874	0.873685175	0.2004293	0.00073
cg17394978	chr5	North Shore	0.285951911	0.829303112	0.5433512	0.033157
cg08596532	chr5	Open Sea	0.365921825	0.892741933	0.5268201	2.89E-10
cg06592027	chr5	Open Sea	0.352492625	0.873573205	0.5210806	2.27E-13
cg02485328	chr5	North Shore	0.44429659	0.926496571	0.4822	2.82E-07
cg04003615	chr5	Open Sea	0.36826168	0.830419412	0.4621577	0.011086
cg08250738	chr5	Open Sea	0.467093361	0.923469193	0.4563758	2.87E-09
cg15686949	chr5	Open Sea	0.344832925	0.800188152	0.4553552	0.037789
cg09179916	chr5	Open Sea	0.409984007	0.864832809	0.4548488	0.005883
cg23514135	chr5	North Shore	0.482558091	0.936238792	0.4536807	1.53E-08
cg09050058	chr5	Open Sea	0.413318998	0.862256107	0.4489371	0.000213
cg01303236	chr5	North Shore	0.488405079	0.932167095	0.443762	3.9E-08
cg17397548	chr5	Open Sea	0.385333285	0.811890479	0.4265572	0.03162
cg17566002	chr5	Open Sea	0.464669265	0.889080821	0.4244116	0.004604
cg06055229	chr5	Open Sea	0.415643362	0.837980499	0.4223371	7.07E-07
cg10588276	chr5	Open Sea	0.471158123	0.89233805	0.4211799	1.63E-07
cg07283859	chr5	Open Sea	0.499773599	0.916373725	0.4166001	8.08E-10
cg02262037	chr5	Open Sea	0.470176853	0.885089868	0.414913	1.63E-09
cg00346376	chr5	North Shore	0.468252058	0.882954907	0.4147028	0.000803
cg25077823	chr5	Open Sea	0.521937144	0.93424289	0.4123057	1.72E-08
cg06485308	chr5	North Shore	0.403657507	0.815145573	0.4114881	9.67E-09
cg24903893	chr5	North Shore	0.433349651	0.84395068	0.410601	0.000115
cg16138557	chr5	Open Sea	0.416380025	0.82235548	0.4059755	0.000475

cg13275603	chr5	Open Sea	0.151717345	0.556506369	0.404789	0.027726
cg14677130	chr5	Open Sea	0.39254356	0.793181105	0.4006375	0.021304
cg26720682	chr5	Open Sea	0.465333251	0.86226469	0.3969314	1.52E-07
cg14500614	chr5	Open Sea	0.512636981	0.907704524	0.3950675	1.29E-08
cg26816636	chr5	North Shelf	0.383714976	0.778525952	0.394811	0.020819
cg05884053	chr5	Open Sea	0.375477262	0.766470596	0.3909933	0.042637
cg04232935	chr5	South Shelf	0.465590947	0.855505367	0.3899144	2.69E-08
cg06665485	chr5	Open Sea	0.53349492	0.919506918	0.386012	2.89E-06
cg23465650	chr5	North Shore	0.56529541	0.950408685	0.3851133	1.57E-08
cg01192077	chr5	North Shore	0.503706232	0.886389603	0.3826834	6.62E-06
cg24189734	chr5	North Shore	0.507965081	0.887055385	0.3790903	0.000117
cg05583171	chr5	Open Sea	0.5183197	0.893814601	0.3754949	0.001418
cg10519882	chr5	North Shelf	0.511247668	0.885455973	0.3742083	6.93E-05
cg04242070	chr5	South Shelf	0.409442998	0.783307705	0.3738647	0.000376
cg11898646	chr5	North Shore	0.443570227	0.813366424	0.3697962	0.009063
cg15626193	chr5	Open Sea	0.368587221	0.737344093	0.3687569	8.08E-09
cg09826697	chr5	Open Sea	0.560048332	0.928467067	0.3684187	9.83E-08
cg01664151	chr5	North Shore	0.465784182	0.833297104	0.3675129	5.21E-06
cg02283238	chr5	North Shore	0.532969007	0.900375169	0.3674062	0.000546
cg10473266	chr5	Open Sea	0.521751605	0.888854691	0.3671031	6.42E-08
cg02053265	chr5	Open Sea	0.518106352	0.885068264	0.3669619	5.1E-05
cg10488012	chr5	South Shore	0.460460039	0.827403665	0.3669436	0.003652
cg09050160	chr5	North Shore	0.495068835	0.861066588	0.3659978	0.000329
cg22586996	chr5	Island	0.308057524	0.672937118	0.3648796	5.12E-08
cg08748308	chr5	Open Sea	0.376243864	0.739420669	0.3631768	0.035797
cg07721901	chr5	Open Sea	0.448696714	0.811643837	0.3629471	0.009276
cg15720112	chr5	Open Sea	0.361736255	0.722317854	0.3605816	0.010441
cg03977174	chr5	Open Sea	0.550324433	0.910158228	0.3598338	4.96E-06
cg27581493	chr5	South Shelf	0.390673613	0.750463997	0.3597904	1.23E-05
cg04830757	chr5	Open Sea	0.429910491	0.788733638	0.3588231	0.033155
cg13991631	chr5	Open Sea	0.529636352	0.888459377	0.358823	0.019093
cg05452391	chr5	Open Sea	0.474835504	0.832616684	0.3577812	0.039631
cg09500421	chr5	North Shelf	0.570678679	0.92504767	0.354369	2.52E-08
cg21748244	chr5	Open Sea	0.497261708	0.850588617	0.3533269	0.000276
cg12668403	chr5	Open Sea	0.463402272	0.815254896	0.3518526	0.029254
cg02419835	chr5	North Shore	0.466148739	0.816811959	0.3506632	0.000124
cg00593008	chr5	North Shore	0.454189476	0.804474942	0.3502855	0.001868
cg24977670	chr5	Open Sea	0.438405001	0.788077232	0.3496722	4.97E-06
cg11935708	chr5	Open Sea	0.560086398	0.907673745	0.3475873	1.69E-07
cg02633363	chr5	North Shore	0.456982209	0.80422506	0.3472429	0.007683
cg27312775	chr5	Open Sea	0.507247676	0.850241017	0.3429933	4.98E-07
cg22212250	chr5	Open Sea	0.471707134	0.814217942	0.3425108	0.000289
cg15411447	chr5	Open Sea	0.530141039	0.871566779	0.3414257	0.000265
cg02077216	chr5	North Shore	0.585417207	0.92530441	0.3398872	1.56E-06
cg25148632	chr5	North Shelf	0.520983879	0.859782476	0.3387986	3.55E-06
cg17730402	chr5	Open Sea	0.579280436	0.917757382	0.3384769	4.65E-08
cg10862399	chr5	North Shelf	0.393660548	0.730315201	0.3366547	6.47E-05
cg01024618	chr5	Open Sea	0.581854008	0.917846634	0.3359926	1E-07
cg24150325	chr5	Open Sea	0.510942645	0.846104371	0.3351617	3.04E-06
cg03335624	chr5	North Shore	0.093616778	0.427822369	0.3342056	0.036545

cg12187999	chr5	Open Sea	0.533429486	0.866849914	0.3334204	0.001743
cg26129110	chr5	Open Sea	0.538622563	0.869490138	0.3308676	5.88E-07
cg09458096	chr5	Open Sea	0.579891207	0.908923871	0.3290327	9.42E-08
cg01996004	chr5	Open Sea	0.473600727	0.800778188	0.3271775	1.49E-08
cg11502673	chr5	North Shelf	0.532368954	0.859209516	0.3268406	1.65E-09
cg21170583	chr5	Open Sea	0.528996409	0.855757906	0.3267615	1.17E-05
cg16578883	chr5	Open Sea	0.549253866	0.87593671	0.3266828	2.83E-07
cg26244838	chr5	North Shore	0.539430528	0.864608107	0.3251776	4.52E-05
cg16281600	chr5	Open Sea	0.316093343	0.641104907	0.3250116	0.049203
cg21201393	chr5	Open Sea	0.446443456	0.770599547	0.3241561	7.67E-07
cg11605577	chr5	Open Sea	0.490943889	0.814690373	0.3237465	6.04E-08
cg02198988	chr5	North Shore	0.376880176	0.699937296	0.3230571	0.007963
cg05964600	chr5	Open Sea	0.485531412	0.806625325	0.3210939	0.006508
cg26655294	chr5	Open Sea	0.402039668	0.71875728	0.3167176	0.005053
cg17668274	chr5	Open Sea	0.497434974	0.813184771	0.3157498	0.003129
cg12155028	chr5	Open Sea	0.524235133	0.839818866	0.3155837	2.3E-06
cg01056615	chr5	Open Sea	0.470033395	0.782876553	0.3128432	0.000311
cg17431952	chr5	Open Sea	0.530732421	0.842498309	0.3117659	4.61E-05
cg17987968	chr5	Open Sea	0.422973328	0.734282116	0.3113088	0.005208
cg24706839	chr5	South Shelf	0.604469512	0.915637647	0.3111681	7.87E-05
cg27605977	chr5	Open Sea	0.510924873	0.820923038	0.3099982	0.003473
cg25119077	chr5	Open Sea	0.604737753	0.912483084	0.3077453	1.16E-05
cg01827426	chr5	Open Sea	0.493851913	0.801224471	0.3073726	5.34E-06
cg03379894	chr5	North Shore	0.561407707	0.86770174	0.306294	0.00069
cg05600609	chr5	Open Sea	0.521377462	0.827572848	0.3061954	0.016499
cg01214384	chr5	Open Sea	0.480653862	0.785272258	0.3046184	0.014032
cg25003658	chr5	Open Sea	0.530020398	0.834315844	0.3042954	0.000894
cg03326188	chr5	Open Sea	0.456007409	0.760029291	0.3040219	0.034034
cg11677852	chr5	Island	0.541106501	0.844857266	0.3037508	0.01037
cg16009167	chr5	South Shelf	0.491167386	0.794679844	0.3035125	0.006812
cg11534519	chr5	Open Sea	0.406451164	0.70765295	0.3012018	0.045738
cg22751627	chr5	Open Sea	0.49309144	0.793746357	0.3006549	0.003132
cg17522866	chr5	Open Sea	0.626139954	0.926673631	0.3005337	3.88E-06
cg12156838	chr5	North Shore	0.56283295	0.863227725	0.3003948	0.04398
cg02246916	chr5	South Shore	0.590659885	0.890084339	0.2994245	0.002759
cg05225461	chr5	South Shore	0.42989277	0.728609185	0.2987164	0.047084
cg03914397	chr5	Open Sea	0.520204763	0.818833295	0.2986285	0.000775
cg22067069	chr5	North Shore	0.522476756	0.820368781	0.297892	4.31E-05
cg14653988	chr5	Open Sea	0.431635046	0.729214018	0.297579	0.036455
cg22574202	chr5	Open Sea	0.483313972	0.780331832	0.2970179	0.000279
cg19820287	chr5	Open Sea	0.364359546	0.661359485	0.2969999	2.55E-06
cg18043514	chr5	North Shore	0.503319119	0.800129423	0.2968103	0.029098
cg12469755	chr5	Open Sea	0.635921326	0.93268753	0.2967662	0.000579
cg25980539	chr5	Open Sea	0.518078835	0.814412262	0.2963334	0.034766
cg17871403	chr5	Open Sea	0.613800984	0.909496439	0.2956955	0.007475
cg07569575	chr5	Open Sea	0.629922879	0.92557255	0.2956497	9.57E-07
cg22012248	chr5	North Shore	0.483167362	0.778700747	0.2955334	7.55E-06
cg11832309	chr5	North Shore	0.547278127	0.842181373	0.2949032	1.57E-05
cg06622892	chr5	Open Sea	0.615444866	0.909498832	0.294054	0.000328
cg00934735	chr5	Open Sea	0.538316943	0.831051338	0.2927344	0.00259

cg19954978	chr5	North Shelf	0.598773673	0.890189929	0.2914163	2.26E-05
cg02597923	chr5	North Shelf	0.557615861	0.848809964	0.2911941	3.66E-05
cg24180759	chr5	Open Sea	0.589287317	0.880105943	0.2908186	0.010498
cg10435838	chr5	Open Sea	0.613044556	0.903629839	0.2905853	0.021161
cg11906285	chr5	Open Sea	0.56672294	0.855811279	0.2890883	7.98E-06
cg24094897	chr5	Open Sea	0.527238655	0.81598725	0.2887486	0.001132
cg21148923	chr5	Open Sea	0.447919731	0.735455227	0.2875355	2.58E-05
cg00401456	chr5	Open Sea	0.645264347	0.932014347	0.28675	1.01E-05
cg07392358	chr5	Open Sea	0.531283366	0.817979883	0.2866965	2.3E-06
cg14616369	chr5	North Shore	0.641893249	0.928379125	0.2864859	4.05E-05
cg08768395	chr5	North Shelf	0.534170409	0.820396813	0.2862264	6.9E-05
cg22135561	chr5	Open Sea	0.54406514	0.829703875	0.2856387	7.73E-06
cg26643914	chr5	Open Sea	0.529327608	0.814707674	0.2853801	0.002931
cg18443559	chr5	Open Sea	0.52248518	0.807347042	0.2848619	0.014144
cg15651267	chr5	Open Sea	0.505243708	0.788884449	0.2836407	0.000266
cg06550986	chr5	Open Sea	0.593224719	0.876792709	0.283568	1.09E-05
cg06046805	chr5	Open Sea	0.57145877	0.854856161	0.2833974	0.00047
cg27361847	chr5	North Shore	0.42374731	0.706753009	0.2830057	0.000559
cg16106903	chr5	Open Sea	0.648303689	0.931307166	0.2830035	3.43E-05
cg25503410	chr5	Open Sea	0.627757792	0.910644928	0.2828871	6.53E-06
cg08513547	chr5	North Shelf	0.575656149	0.858261491	0.2826053	0.00054
cg17788013	chr5	Open Sea	0.52360922	0.804252284	0.2806431	0.008022
cg06728135	chr5	Open Sea	0.225536057	0.50483885	0.2793028	0.0095
cg06736134	chr5	Open Sea	0.628683534	0.906793432	0.2781099	2.18E-05
cg27640528	chr5	South Shelf	0.424142994	0.7008394	0.2766964	3.38E-06
cg18378419	chr5	Open Sea	0.633347067	0.909687436	0.2763404	0.00011
cg17266805	chr5	Open Sea	0.447593532	0.722826101	0.2752326	0.000187
cg24736935	chr5	South Shore	0.578877685	0.853890769	0.2750131	0.019897
cg24874191	chr5	Open Sea	0.576436297	0.851056832	0.2746205	0.009581
cg25550425	chr5	Open Sea	0.646187218	0.920749112	0.2745619	9.58E-05
cg09181015	chr5	Open Sea	0.50667037	0.781083131	0.2744128	5.25E-05
cg15207662	chr5	Open Sea	0.56942397	0.843630422	0.2742065	5.34E-06
cg17425484	chr5	Open Sea	0.429859298	0.703690372	0.2738311	0.011062
cg25147941	chr5	Open Sea	0.524488665	0.797941086	0.2734524	0.013073
cg24585422	chr5	Open Sea	0.470088096	0.74270995	0.2726219	1.92E-08
cg01572434	chr5	Open Sea	0.550427176	0.822770982	0.2723438	0.013689
cg22495322	chr5	Open Sea	0.583529722	0.855362425	0.2718327	0.000115
cg09172244	chr5	Open Sea	0.51559418	0.787246452	0.2716523	0.038202
cg08612059	chr5	Open Sea	0.553209405	0.824259513	0.2710501	0.014168
cg26341848	chr5	Open Sea	0.569590589	0.84038938	0.2707988	0.002019
cg21137557	chr5	Open Sea	0.577508261	0.847718094	0.2702098	0.017371
cg21242232	chr5	South Shelf	0.541280043	0.811341976	0.2700619	0.041885
cg04638205	chr5	Open Sea	0.592331832	0.861221162	0.2688893	0.009269
cg02047286	chr5	North Shore	0.568326087	0.836811139	0.2684851	0.002122
cg14480222	chr5	Open Sea	0.578009129	0.8463502	0.2683411	2.73E-05
cg06507590	chr5	Open Sea	0.595076116	0.863218485	0.2681424	5.82E-06
cg26488405	chr5	North Shore	0.423595171	0.691568032	0.2679729	1.21E-05
cg18096251	chr5	Open Sea	0.539921464	0.807219471	0.267298	0.000911
cg26941476	chr5	Open Sea	0.459666492	0.726394588	0.2667281	1.24E-07
cg24935345	chr5	Open Sea	0.592146776	0.857985964	0.2658392	0.000219

cg05031448	chr5	Open Sea	0.455371213	0.721087213	0.265716	0.004635
cg02381009	chr5	North Shore	0.650072257	0.915287748	0.2652155	4.55E-05
cg02318282	chr5	Open Sea	0.625680533	0.890879791	0.2651993	8.7E-06
cg01015395	chr5	Open Sea	0.575905903	0.840531079	0.2646252	0.045619
cg23960088	chr5	North Shore	0.51944516	0.784014734	0.2645696	0.013361
cg10501454	chr5	North Shelf	0.589234038	0.853469129	0.2642351	1.79E-05
cg13945749	chr5	North Shore	0.596625957	0.860698005	0.264072	0.00145
cg11585952	chr5	Open Sea	0.565484851	0.829350384	0.2638655	0.009419
cg18748085	chr5	Open Sea	0.559499516	0.823218683	0.2637192	0.005974
cg02599587	chr5	Open Sea	0.625945884	0.889368868	0.263423	0.001632
cg05291677	chr5	North Shore	0.624368459	0.887411038	0.2630426	0.000704
cg09562675	chr5	North Shore	0.474583097	0.737132472	0.2625494	7.17E-05
cg02109704	chr5	North Shelf	0.391536869	0.653485043	0.2619482	1.31E-05
cg26216724	chr5	South Shelf	0.272610204	0.534079793	0.2614696	0.01504
cg12524168	chr5	Open Sea	0.574795353	0.835443283	0.2606479	2.92E-05
cg08701543	chr5	North Shelf	0.596484819	0.856927714	0.2604429	1.09E-05
cg04712635	chr5	Open Sea	0.584242083	0.844418596	0.2601765	4.11E-06
cg06777750	chr5	North Shore	0.444084381	0.704115654	0.2600313	0.000143
cg11590974	chr5	Open Sea	0.506142053	0.76571757	0.2595755	0.02931
cg03989749	chr5	Open Sea	0.525839211	0.7853878	0.2595486	0.00315
cg16679297	chr5	Open Sea	0.54000339	0.798506881	0.2585035	0.034964
cg16373535	chr5	Open Sea	0.636233008	0.894590364	0.2583574	0.000159
cg22839587	chr5	Open Sea	0.665482755	0.923251138	0.2577684	0.000123
cg26881360	chr5	Open Sea	0.654372444	0.912131102	0.2577587	0.000114
cg16653901	chr5	South Shore	0.344633938	0.602063821	0.2574299	0.040467
cg23010035	chr5	Open Sea	0.466944745	0.723412889	0.2564681	0.000306
cg00111629	chr5	South Shore	0.491218129	0.747355466	0.2561373	6.44E-06
cg22203867	chr5	Open Sea	0.666568618	0.921776962	0.2552083	3.58E-05
cg19102120	chr5	Open Sea	0.66691412	0.921994993	0.2550809	2.55E-05
cg25233208	chr5	North Shelf	0.633737423	0.888170585	0.2544332	0.000274
cg16413715	chr5	Island	0.597106003	0.851516572	0.2544106	0.005693
cg02379427	chr5	Open Sea	0.616753544	0.871111876	0.2543583	0.006908
cg08762472	chr5	Open Sea	0.473587742	0.72770897	0.2541212	0.018517
cg27038382	chr5	Open Sea	0.429040125	0.683069286	0.2540292	0.001242
cg15375424	chr5	North Shelf	0.659932943	0.913831404	0.2538985	6.9E-05
cg01229506	chr5	Open Sea	0.587642202	0.841023364	0.2533812	6.58E-05
cg15813594	chr5	Open Sea	0.42710866	0.680438405	0.2533297	0.022994
cg03642555	chr5	Open Sea	0.577080524	0.830399528	0.253319	2.94E-06
cg17604429	chr5	Open Sea	0.654681084	0.907847724	0.2531666	0.000255
cg04188241	chr5	Open Sea	0.437049272	0.690211944	0.2531627	0.000127
cg02716128	chr5	Open Sea	0.584101998	0.837114054	0.2530121	0.006164
cg01027405	chr5	Open Sea	0.571272763	0.824266605	0.2529938	0.007461
cg18358845	chr5	Open Sea	0.670966356	0.923913178	0.2529468	0.00015
cg23346625	chr5	Open Sea	0.621432639	0.874160272	0.2527276	0.00197
cg09735390	chr5	Open Sea	0.602259264	0.854673827	0.2524146	0.037296
cg00089966	chr5	North Shelf	0.406395389	0.658542696	0.2521473	0.001715
cg15999077	chr5	Open Sea	0.427751601	0.679510915	0.2517593	0.010562
cg11553311	chr5	Open Sea	0.383201185	0.634511597	0.2513104	0.010196
cg01845501	chr5	Open Sea	0.533838475	0.784124205	0.2502857	0.000573
cg11584519	chr5	North Shelf	0.434708775	0.684810419	0.2501016	0.007962

cg02480397	chr5	Open Sea	0.626200357	0.876028847	0.2498285	0.00026
cg08442713	chr5	Open Sea	0.516295874	0.765708976	0.2494131	0.001964
cg04828158	chr5	Open Sea	0.611844963	0.861154548	0.2493096	0.000176
cg18157012	chr5	Open Sea	0.625066463	0.874053266	0.2489868	0.017042
cg06742021	chr5	Open Sea	0.42837143	0.676723319	0.2483519	0.000966
cg04479041	chr5	Open Sea	0.589387468	0.8375176	0.2481301	0.001357
cg16199460	chr5	Open Sea	0.385176668	0.633142909	0.2479662	0.026286
cg13621378	chr5	Open Sea	0.501010225	0.748485112	0.2474749	0.000162
cg22203607	chr5	Open Sea	0.604942007	0.851530023	0.246588	1.5E-05
cg26893743	chr5	Open Sea	0.603374173	0.849408765	0.2460346	4.73E-07
cg10501621	chr5	Open Sea	0.639119736	0.885138121	0.2460184	0.016563
cg21209315	chr5	Open Sea	0.463708922	0.709463663	0.2457547	0.000467
cg08888918	chr5	Open Sea	0.675465293	0.92096555	0.2455003	9.42E-05
cg10166825	chr5	Open Sea	0.642586457	0.887913978	0.2453275	7.7E-05
cg11483884	chr5	North Shore	0.649798831	0.89510248	0.2453036	0.000162
cg22631387	chr5	Open Sea	0.612028322	0.856550051	0.2445217	0.001226
cg26645468	chr5	North Shore	0.623649979	0.868160965	0.244511	0.009034
cg06871919	chr5	Open Sea	0.552180208	0.796551517	0.2443713	0.044144
cg06469229	chr5	North Shore	0.111393319	0.355726047	0.2443327	0.041195
cg01921382	chr5	North Shore	0.509668501	0.753641733	0.2439732	4.26E-06
cg19421752	chr5	North Shore	0.528949837	0.772725554	0.2437757	0.000192
cg16425489	chr5	Open Sea	0.626119944	0.869530538	0.2434106	6.79E-05
cg12807946	chr5	South Shore	0.647355583	0.890091753	0.2427362	0.000299
cg15646543	chr5	Open Sea	0.410730696	0.653007417	0.2422767	2.3E-06
cg26986989	chr5	Open Sea	0.408435114	0.649556733	0.2411216	0.00042
cg00894352	chr5	North Shore	0.48372725	0.724805695	0.2410784	1.38E-05
cg08437132	chr5	Open Sea	0.612108545	0.853170842	0.2410623	0.029492
cg07213685	chr5	Open Sea	0.427780144	0.668687047	0.2409069	0.001611
cg17321888	chr5	South Shelf	0.56784336	0.806357714	0.2385144	7.59E-05
cg07391392	chr5	Open Sea	0.647563368	0.886058054	0.2384947	0.000116
cg12509424	chr5	Open Sea	0.666961755	0.905002717	0.238041	1.02E-05
cg03670994	chr5	Open Sea	0.522958665	0.760944117	0.2379855	0.017521
cg14844815	chr5	Open Sea	0.59486132	0.832129621	0.2372683	0.006176
cg00025405	chr5	North Shore	0.550031804	0.786063389	0.2360316	0.001079
cg17979970	chr5	Open Sea	0.391052719	0.626637677	0.235585	0.010739
cg26437203	chr5	Open Sea	0.198122483	0.433395325	0.2352728	0.036009
cg06563640	chr5	North Shore	0.64838924	0.882582763	0.2341935	0.005387
cg08894020	chr5	Open Sea	0.292594374	0.526546389	0.233952	0.006193
cg13035416	chr5	Open Sea	0.609331657	0.842196694	0.232865	4.13E-05
cg10943629	chr5	Open Sea	0.62907415	0.861644319	0.2325702	0.036324
cg23956317	chr5	Open Sea	0.651743299	0.883915033	0.2321717	0.000115
cg23154495	chr5	South Shelf	0.538839504	0.77080424	0.2319647	0.000145
cg25395619	chr5	South Shore	0.627457992	0.859357387	0.2318994	0.001466
cg12911095	chr5	Open Sea	0.638293901	0.870150367	0.2318565	0.002553
cg26902647	chr5	South Shore	0.567548095	0.799363374	0.2318153	0.000936
cg02013527	chr5	Open Sea	0.54485693	0.776433758	0.2315768	0.024226
cg12385811	chr5	Open Sea	0.63972811	0.871256109	0.231528	0.001888
cg13291607	chr5	Open Sea	0.650144897	0.881400052	0.2312552	0.001617
cg13294846	chr5	Island	0.720652114	0.951887908	0.2312358	0.000102
cg27350428	chr5	South Shelf	0.62270535	0.853360245	0.2306549	0.003144



cg07759903	chr5	South Shelf	0.541175257	0.771776109	0.2306009	0.001094
cg17731547	chr5	Open Sea	0.627904134	0.858201061	0.2302969	0.019782
cg08323777	chr5	Open Sea	0.701923709	0.932068597	0.2301449	0.000892
cg07427642	chr5	North Shore	0.453907436	0.683747131	0.2298397	0.041499
cg10873086	chr5	Open Sea	0.561544226	0.790622351	0.2290781	0.000169
cg14591439	chr5	South Shelf	0.67006337	0.899120224	0.2290569	0.040702
cg26630859	chr5	North Shore	0.614775512	0.843282321	0.2285068	0.000105
cg21554569	chr5	Open Sea	0.666067564	0.894526181	0.2284586	0.000699
cg25407540	chr5	Open Sea	0.508307753	0.73673545	0.2284277	0.001989
cg06470558	chr5	Open Sea	0.296531756	0.524706355	0.2281746	0.006072
cg02095401	chr5	Open Sea	0.620927225	0.848121947	0.2271947	0.001098
cg14758163	chr5	Open Sea	0.661282369	0.888334136	0.2270518	0.000184
cg06774087	chr5	Open Sea	0.447201827	0.6741364	0.2269346	0.0106
cg07575896	chr5	North Shore	0.65522244	0.882011792	0.2267894	0.002748
cg05559381	chr5	Open Sea	0.601892956	0.828406474	0.2265135	0.019779
cg21555696	chr5	Open Sea	0.452087439	0.678596722	0.2265093	0.000473
cg17221856	chr5	North Shore	0.660378772	0.886701028	0.2263223	0.002869
cg16492211	chr5	Open Sea	0.521311793	0.74721292	0.2259011	0.001569
cg11107657	chr5	North Shelf	0.433064699	0.658943327	0.2258786	0.008047
cg24141911	chr5	Open Sea	0.694851502	0.920723316	0.2258718	6.17E-05
cg12053009	chr5	Island	0.696704467	0.922510384	0.2258059	0.000427
cg13390570	chr5	North Shore	0.58252677	0.807939352	0.2254126	0.006647
cg02730804	chr5	Open Sea	0.67695316	0.902280387	0.2253272	0.000661
cg18866586	chr5	South Shore	0.686603349	0.911577007	0.2249737	0.000259
cg25475742	chr5	Open Sea	0.653341696	0.878274434	0.2249327	0.000141
cg11258494	chr5	Open Sea	0.668223755	0.89269612	0.2244724	0.002952
cg05011238	chr5	Open Sea	0.599242556	0.823279943	0.2240374	0.000139
cg10977989	chr5	Open Sea	0.690230875	0.913441237	0.2232104	0.000403
cg24724630	chr5	Open Sea	0.455671914	0.678112886	0.222441	0.001208
cg18060742	chr5	Open Sea	0.680267158	0.902452676	0.2221855	0.002097
cg11007015	chr5	Open Sea	0.646588946	0.86875782	0.2221689	0.000345
cg02667102	chr5	Open Sea	0.469734849	0.691506603	0.2217718	0.000127
cg19021412	chr5	Open Sea	0.54719219	0.768962751	0.2217706	0.000426
cg24114651	chr5	South Shore	0.586025687	0.807378332	0.2213526	0.001001
cg09637885	chr5	North Shore	0.633328737	0.854414433	0.2210857	0.004129
cg19977628	chr5	Open Sea	0.699584497	0.920543745	0.2209592	0.000435
cg14566081	chr5	Open Sea	0.698184843	0.918782381	0.2205975	0.000478
cg05008898	chr5	South Shore	0.432622577	0.65297926	0.2203567	0.001491
cg06559864	chr5	Open Sea	0.669451555	0.889037547	0.219586	0.000754
cg08966706	chr5	Open Sea	0.693272388	0.912138457	0.2188661	0.000812
cg25079100	chr5	North Shore	0.616570348	0.835068227	0.2184979	0.001937
cg02317738	chr5	North Shelf	0.701784037	0.919845961	0.2180619	0.00018
cg21763482	chr5	Open Sea	0.62501582	0.842929593	0.2179138	0.003494
cg11823551	chr5	Open Sea	0.563329037	0.78121612	0.2178871	0.033055
cg07293406	chr5	Open Sea	0.654392966	0.870812678	0.2164197	0.008872
cg05648914	chr5	Open Sea	0.543896389	0.759491523	0.2155951	0.025783
cg04208853	chr5	South Shelf	0.691452799	0.906965146	0.2155123	0.003059
cg11301254	chr5	South Shore	0.315128093	0.530102505	0.2149744	0.003464
cg17016847	chr5	North Shelf	0.51253174	0.727099594	0.2145679	5.8E-05
cg25510201	chr5	Open Sea	0.299761952	0.513972125	0.2142102	0.008437

cg04797496	chr5	Open Sea	0.673141996	0.88710158	0.2139596	0.018765
cg09677701	chr5	North Shelf	0.691009944	0.904889277	0.2138793	0.001287
cg00737979	chr5	Open Sea	0.573621275	0.787218148	0.2135969	0.006384
cg05232496	chr5	Open Sea	0.647287978	0.860845031	0.2135571	0.001082
cg02767634	chr5	Open Sea	0.484787962	0.697645841	0.2128579	0.010825
cg15029475	chr5	Open Sea	0.434454767	0.647300738	0.212846	8.31E-05
cg17507751	chr5	Open Sea	0.620504352	0.833234128	0.2127298	0.014589
cg14988869	chr5	South Shore	0.626435085	0.838878611	0.2124435	0.019518
cg27139941	chr5	South Shore	0.704333933	0.916635297	0.2123014	1.18E-05
cg23136275	chr5	South Shelf	0.673247416	0.885492553	0.2122451	0.000605
cg17311726	chr5	South Shore	0.644504679	0.856347439	0.2118428	0.006552
cg16269532	chr5	Open Sea	0.694050859	0.905493243	0.2114424	0.000344
cg12940040	chr5	Open Sea	0.70458203	0.915963249	0.2113812	0.001173
cg21929969	chr5	Open Sea	0.698886421	0.909945187	0.2110588	0.000213
cg25619717	chr5	Open Sea	0.696919138	0.906985565	0.2100664	0.000808
cg00294956	chr5	Open Sea	0.137726074	0.347454958	0.2097289	0.012031
cg11538307	chr5	Open Sea	0.653685634	0.863073511	0.2093879	0.007269
cg12526614	chr5	Open Sea	0.547502746	0.75687299	0.2093702	0.00203
cg26611367	chr5	Open Sea	0.685821758	0.895116951	0.2092952	0.002099
cg00509963	chr5	Open Sea	0.675294868	0.88398098	0.2086861	0.000422
cg20417024	chr5	Open Sea	0.726567882	0.935204643	0.2086368	0.001022
cg03665078	chr5	North Shore	0.668986557	0.877375064	0.2083885	5.65E-05
cg21956099	chr5	South Shore	0.632819197	0.84076817	0.207949	0.007281
cg09722236	chr5	Open Sea	0.693345317	0.900965434	0.2076201	0.001031
cg08367801	chr5	South Shore	0.614965292	0.822454037	0.2074887	0.009125
cg10930289	chr5	Island	0.688582833	0.895950928	0.2073681	0.000139
cg27318774	chr5	Open Sea	0.677488197	0.884640444	0.2071522	0.000581
cg09101894	chr5	North Shore	0.661596065	0.86846025	0.2068642	0.006825
cg10789601	chr5	Open Sea	0.665514644	0.872289783	0.2067751	8.97E-05
cg20926282	chr5	Open Sea	0.671470338	0.878087767	0.2066174	0.011796
cg16300556	chr5	South Shelf	0.687123036	0.893717156	0.2065941	0.004025
cg09062288	chr5	North Shelf	0.675413855	0.881938389	0.2065245	1.78E-06
cg23175023	chr5	North Shore	0.486513453	0.692722324	0.2062089	0.000546
cg13924807	chr5	South Shelf	0.644003505	0.850046303	0.2060428	0.009355
cg06668976	chr5	Open Sea	0.690636338	0.896585789	0.2059495	0.000253
cg09579677	chr5	North Shelf	0.622644867	0.828081566	0.2054367	0.00062
cg01227558	chr5	Open Sea	0.47017215	0.675474372	0.2053022	1.91E-05
cg17022548	chr5	Open Sea	0.47213408	0.676890109	0.204756	0.005519
cg18269219	chr5	Open Sea	0.670350976	0.875022544	0.2046716	0.028321
cg16660494	chr5	Open Sea	0.67442102	0.878664088	0.2042431	0.010808
cg16272981	chr5	Island	0.673805099	0.877673706	0.2038686	0.001063
cg10984165	chr5	North Shore	0.643860212	0.847636119	0.2037759	0.002332
cg18730865	chr5	Open Sea	0.64358999	0.847261634	0.2036716	0.005826
cg16535035	chr5	North Shore	0.661045081	0.864341236	0.2032962	0.000208
cg24931138	chr5	South Shore	0.692058249	0.8952211	0.2031629	0.000255
cg04543510	chr5	Open Sea	0.633784846	0.836735495	0.2029506	0.000603
cg14722162	chr5	Open Sea	0.723015204	0.925862688	0.2028475	0.000697
cg18067236	chr5	South Shore	0.653157731	0.855865878	0.2027081	0.00017
cg10958087	chr5	Open Sea	0.676670139	0.878918161	0.202248	0.000189
cg19980718	chr5	Open Sea	0.647400862	0.849533003	0.2021321	0.018642

cg00219321	chr5	Open Sea	0.644994264	0.846856718	0.2018625	0.016982
cg06091475	chr5	North Shore	0.604278726	0.806074791	0.2017961	0.014926
cg07841848	chr5	South Shelf	0.600578953	0.802075248	0.2014963	0.006237
cg10885139	chr5	North Shelf	0.732788839	0.933999071	0.2012102	0.001365
cg09867598	chr5	North Shore	0.340699652	0.541813714	0.2011141	0.001239
cg08418076	chr5	North Shelf	0.688442415	0.888770696	0.2003283	0.00879
cg01260603	chr6	Open Sea	0.447067798	0.906122456	0.4590547	4.32E-09
cg21080533	chr6	Open Sea	0.373404042	0.831361623	0.4579576	0.007108
cg02482438	chr6	Open Sea	0.377646471	0.828856654	0.4512102	0.04682
cg21095280	chr6	Open Sea	0.403934173	0.846171694	0.4422375	0.025264
cg09385371	chr6	Open Sea	0.409533744	0.850263707	0.44073	1.37E-06
cg23584176	chr6	Open Sea	0.342684735	0.776507433	0.4338227	0.000196
cg08893817	chr6	Open Sea	0.463094619	0.876827205	0.4137326	1.27E-07
cg26379822	chr6	Open Sea	0.373760762	0.762119993	0.3883592	0.043654
cg17864650	chr6	Open Sea	0.529590268	0.904858168	0.3752679	6.61E-07
cg00951302	chr6	Open Sea	0.415473592	0.790399257	0.3749257	2.95E-05
cg13674558	chr6	North Shore	0.298411463	0.67309393	0.3746825	0.000639
cg08881610	chr6	North Shelf	0.415849027	0.789697615	0.3738486	0.000711
cg15496763	chr6	Open Sea	0.434358336	0.804929641	0.3705713	0.000121
cg26234900	chr6	North Shore	0.372635018	0.74279595	0.3701609	0.04318
cg26099432	chr6	Open Sea	0.474501529	0.844498382	0.3699969	9.73E-08
cg05768403	chr6	North Shelf	0.406513436	0.773939356	0.3674259	0.006439
cg12047363	chr6	Open Sea	0.518310981	0.885012372	0.3667014	1.03E-06
cg05352838	chr6	North Shore	0.517285003	0.88332204	0.366037	4.86E-08
cg17160327	chr6	Open Sea	0.531932951	0.896337805	0.3644049	1.83E-07
cg23831898	chr6	South Shore	0.444707822	0.808166186	0.3634584	1.42E-06
cg15484808	chr6	North Shelf	0.390764478	0.751234361	0.3604699	0.005183
cg19479744	chr6	Open Sea	0.544993984	0.904870472	0.3598765	1.23E-06
cg05582719	chr6	Open Sea	0.435068322	0.79353838	0.3584701	0.03172
cg02118886	chr6	Open Sea	0.477504015	0.835454774	0.3579508	0.012211
cg17658266	chr6	Open Sea	0.435747029	0.792236024	0.356489	0.007556
cg07369569	chr6	South Shore	0.438965297	0.794494451	0.3555292	1.71E-07
cg06678468	chr6	Open Sea	0.480938613	0.835125174	0.3541866	2.31E-07
cg27101095	chr6	South Shelf	0.431274287	0.780482306	0.349208	0.008819
cg09511662	chr6	Open Sea	0.605943767	0.953801513	0.3478577	5.81E-08
cg11798873	chr6	Open Sea	0.567890347	0.915233181	0.3473428	8.32E-07
cg05063670	chr6	Open Sea	0.510282332	0.855099243	0.3448169	3.85E-06
cg11179695	chr6	Open Sea	0.600090976	0.944457081	0.3443661	1.98E-08
cg19267163	chr6	Open Sea	0.511125874	0.854494516	0.3433686	0.001643
cg17967260	chr6	South Shore	0.552828148	0.894851053	0.3420229	5.46E-07
cg01553182	chr6	Open Sea	0.461069174	0.803078291	0.3420091	4.22E-06
cg09081266	chr6	Open Sea	0.543262864	0.885203118	0.3419403	5.18E-07
cg22709144	chr6	Open Sea	0.475836724	0.816651144	0.3408144	0.00143
cg25798600	chr6	Open Sea	0.455911765	0.796655574	0.3407438	0.005713
cg09375907	chr6	Open Sea	0.40218941	0.742899142	0.3407097	0.003233
cg23791482	chr6	Open Sea	0.548573671	0.887872923	0.3392993	1.11E-06
cg12466324	chr6	Open Sea	0.530428432	0.869700669	0.3392722	0.000412
cg06473288	chr6	North Shore	0.490062587	0.828135429	0.3380728	0.010898
cg03338154	chr6	Open Sea	0.49365017	0.830602868	0.3369527	0.000261
cg14757107	chr6	Open Sea	0.500036148	0.83397751	0.3339414	0.006941

cg03002526	chr6	Open Sea	0.486578577	0.820087601	0.333509	0.00022
cg26500033	chr6	South Shelf	0.51303452	0.845713316	0.3326788	9.92E-07
cg18192491	chr6	Open Sea	0.424404279	0.756441017	0.3320367	0.011381
cg09101258	chr6	Open Sea	0.49845378	0.829419639	0.3309659	4.78E-05
cg06963205	chr6	Open Sea	0.546328611	0.876907871	0.3305793	0.000119
cg05860220	chr6	Open Sea	0.507248976	0.83765299	0.330404	5.75E-05
cg07570394	chr6	Open Sea	0.334332085	0.663907666	0.3295756	1.93E-08
cg01947943	chr6	Open Sea	0.429366136	0.758220003	0.3288539	0.039833
cg00121255	chr6	Open Sea	0.401579894	0.727846618	0.3262667	3.85E-07
cg25636466	chr6	North Shelf	0.226947847	0.55311434	0.3261665	1.09E-06
cg18885346	chr6	Open Sea	0.468557963	0.79376288	0.3252049	3.55E-05
cg23622353	chr6	Open Sea	0.480795504	0.804516534	0.323721	7.28E-08
cg22660196	chr6	Open Sea	0.569796656	0.893458469	0.3236618	0.000977
cg10399946	chr6	South Shore	0.56374969	0.886560352	0.3228107	8.78E-05
cg25284213	chr6	Open Sea	0.397476772	0.718826241	0.3213495	0.000408
cg22935609	chr6	Open Sea	0.586464703	0.907643894	0.3211792	3.46E-05
cg16960593	chr6	Open Sea	0.466126351	0.786691195	0.3205648	0.015043
cg09640300	chr6	Open Sea	0.555492797	0.875406308	0.3199135	3.57E-07
cg08660395	chr6	South Shore	0.456762409	0.776274654	0.3195122	4.29E-07
cg10463626	chr6	North Shore	0.594923725	0.914422544	0.3194988	9.39E-07
cg09086416	chr6	Open Sea	0.430009936	0.749105954	0.319096	4.48E-05
cg16599983	chr6	Open Sea	0.444667088	0.762851534	0.3181844	0.016106
cg04499646	chr6	Open Sea	0.495058968	0.812025749	0.3169668	0.020989
cg05376362	chr6	Open Sea	0.548294499	0.865142361	0.3168479	1.77E-05
cg10822718	chr6	Open Sea	0.500746675	0.81737889	0.3166322	0.004279
cg10008137	chr6	Open Sea	0.498481192	0.815019187	0.316538	0.020051
cg11506658	chr6	Open Sea	0.548699115	0.864429134	0.31573	6.25E-06
cg26175846	chr6	North Shelf	0.444221893	0.759539673	0.3153178	0.002835
cg24574793	chr6	Open Sea	0.222873868	0.53726111	0.3143872	1.82E-06
cg18828927	chr6	Open Sea	0.362296763	0.675893049	0.3135963	7.6E-06
cg00206463	chr6	North Shore	0.355295083	0.668144563	0.3128495	0.007199
cg11553755	chr6	Open Sea	0.48441016	0.79673436	0.3123242	0.02297
cg25290482	chr6	Open Sea	0.548422765	0.860391974	0.3119692	0.00017
cg01046798	chr6	Open Sea	0.486653048	0.796957412	0.3103044	0.000836
cg18053030	chr6	Open Sea	0.600169633	0.910377293	0.3102077	1.55E-08
cg10105884	chr6	Open Sea	0.507387907	0.817400104	0.3100122	3.87E-07
cg10681008	chr6	North Shelf	0.476488591	0.786216469	0.3097279	6.13E-05
cg08766762	chr6	Open Sea	0.519841237	0.827634567	0.3077933	0.008043
cg26684131	chr6	Open Sea	0.564151853	0.871650807	0.307499	8.26E-06
cg17744605	chr6	Open Sea	0.62005584	0.927102293	0.3070465	8.71E-06
cg08292919	chr6	Open Sea	0.474883088	0.78142806	0.306545	0.00143
cg10791278	chr6	Open Sea	0.588012177	0.894427093	0.3064149	1.03E-07
cg11708116	chr6	South Shore	0.535231968	0.841569777	0.3063378	0.004146
cg21974580	chr6	South Shore	0.424511969	0.730643764	0.3061318	0.026284
cg09903849	chr6	Open Sea	0.568839401	0.874929351	0.3060899	0.000886
cg26501049	chr6	Open Sea	0.375196633	0.681174557	0.3059779	0.047337
cg07970874	chr6	Open Sea	0.55708526	0.862982083	0.3058968	9.6E-06
cg00967519	chr6	Open Sea	0.524728532	0.829858252	0.3051297	6.17E-05
cg26188226	chr6	Open Sea	0.568783702	0.873745997	0.3049623	0.000497
cg09083279	chr6	Open Sea	0.401543939	0.705438551	0.3038946	0.022592

cg01311802	chr6	Open Sea	0.566055728	0.869871826	0.3038161	0.031296
cg08951271	chr6	North Shore	0.363314478	0.667098943	0.3037845	0.048954
cg01559597	chr6	Open Sea	0.549969505	0.853130759	0.3031613	0.016753
cg20529655	chr6	Open Sea	0.571197017	0.873936261	0.3027392	0.000126
cg06351425	chr6	Open Sea	0.427342064	0.730056824	0.3027148	3.62E-05
cg06345856	chr6	Open Sea	0.518358163	0.821035182	0.302677	0.023075
cg27340584	chr6	North Shelf	0.450937234	0.753611832	0.3026746	0.001384
cg07538160	chr6	Open Sea	0.481747693	0.784367548	0.3026199	0.000646
cg11522612	chr6	North Shelf	0.410347715	0.712627132	0.3022794	6.12E-05
cg08644973	chr6	North Shore	0.53850089	0.840493337	0.3019924	0.001347
cg17535702	chr6	North Shore	0.566951236	0.867914539	0.3009633	0.001762
cg25737224	chr6	Open Sea	0.446540814	0.747421097	0.3008803	0.043774
cg24817358	chr6	Open Sea	0.485896732	0.785371574	0.2994748	0.003496
cg03149958	chr6	Open Sea	0.338017332	0.63514349	0.2971262	0.000453
cg06650206	chr6	Open Sea	0.59159143	0.888680604	0.2970892	3.67E-05
cg23414861	chr6	Island	0.363902971	0.659656838	0.2957539	0.044153
cg11611097	chr6	Open Sea	0.341534381	0.636415488	0.2948811	4.86E-05
cg02903436	chr6	Open Sea	0.60685465	0.901532715	0.2946781	1.23E-05
cg04344000	chr6	South Shore	0.493126202	0.787777401	0.2946512	7.54E-05
cg13675015	chr6	South Shelf	0.557999923	0.851540551	0.2935406	0.00669
cg06128123	chr6	Open Sea	0.388885483	0.682198021	0.2933125	0.000613
cg00029521	chr6	South Shore	0.491552029	0.78311037	0.2915583	0.0013
cg11787218	chr6	Open Sea	0.447240314	0.738641104	0.2914008	0.001207
cg15586054	chr6	North Shore	0.627250754	0.918176859	0.2909261	0.000128
cg25391023	chr6	Open Sea	0.430090463	0.720964586	0.2908741	0.005542
cg20422212	chr6	Open Sea	0.520934019	0.811805074	0.2908711	1.13E-05
cg19474888	chr6	Open Sea	0.432800614	0.72309657	0.290296	0.019166
cg03031281	chr6	South Shore	0.637191907	0.925590422	0.2883985	5.03E-05
cg09039890	chr6	North Shore	0.524408551	0.812587352	0.2881788	1.25E-05
cg10779336	chr6	Open Sea	0.525946843	0.813896156	0.2879493	1.72E-05
cg25474864	chr6	South Shore	0.609650144	0.897399746	0.2877496	7.44E-05
cg03187135	chr6	Open Sea	0.51511003	0.802111401	0.2870014	0.002937
cg05966641	chr6	North Shore	0.557089957	0.844025868	0.2869359	0.01093
cg27231292	chr6	Open Sea	0.59849166	0.885396351	0.2869047	3.81E-05
cg19815325	chr6	Open Sea	0.596188239	0.882196255	0.286008	0.000311
cg10653339	chr6	Open Sea	0.545910653	0.831560943	0.2856503	0.001274
cg10156493	chr6	Open Sea	0.603544035	0.888951529	0.2854075	1.51E-05
cg19757131	chr6	Open Sea	0.616405128	0.901754533	0.2853494	0.000236
cg26374826	chr6	Open Sea	0.521505784	0.805836469	0.2843307	0.04995
cg08412584	chr6	Open Sea	0.494029143	0.777768591	0.2837394	0.002165
cg11009001	chr6	Open Sea	0.563866064	0.846843986	0.2829779	0.041698
cg21264972	chr6	Open Sea	0.588487486	0.870692673	0.2822052	0.000748
cg21960303	chr6	Open Sea	0.461758595	0.74393224	0.2821736	0.000119
cg04708601	chr6	Open Sea	0.294139321	0.575637035	0.2814977	0.001747
cg09125623	chr6	Island	0.632419087	0.912651583	0.2802325	0.016738
cg04639421	chr6	Open Sea	0.568866899	0.848859318	0.2799924	0.000102
cg06599543	chr6	South Shore	0.493275088	0.772288625	0.2790135	0.015501
cg02793507	chr6	Open Sea	0.626063245	0.904879393	0.2788161	0.000347
cg22902499	chr6	Open Sea	0.553305613	0.831573176	0.2782676	0.04416
cg23204096	chr6	Open Sea	0.546697376	0.82469689	0.2779995	0.00288

cg10643236	chr6	Open Sea	0.584776336	0.862611716	0.2778354	0.000921
cg20126775	chr6	Open Sea	0.420057505	0.696925854	0.2768683	0.002581
cg08947964	chr6	Open Sea	0.566769435	0.843284671	0.2765152	0.031885
cg03807737	chr6	North Shore	0.612937154	0.889141536	0.2762044	0.003326
cg07976328	chr6	Open Sea	0.541337352	0.817196004	0.2758587	0.005428
cg23384428	chr6	Open Sea	0.61144911	0.887235742	0.2757866	8.08E-06
cg15492982	chr6	South Shelf	0.652007023	0.927526005	0.275519	1.91E-05
cg03608577	chr6	Open Sea	0.624068171	0.898694345	0.2746262	1.79E-05
cg01673307	chr6	North Shore	0.612146722	0.886363119	0.2742164	1.14E-05
cg09891807	chr6	Open Sea	0.642546034	0.916251455	0.2737054	2.79E-06
cg19297868	chr6	North Shelf	0.486903655	0.760507933	0.2736043	1.72E-05
cg10683775	chr6	Open Sea	0.633406776	0.906966359	0.2735596	3.38E-05
cg13759676	chr6	Open Sea	0.609799634	0.883120995	0.2733214	0.001595
cg03215160	chr6	Open Sea	0.503059656	0.776377306	0.2733177	0.005345
cg24696967	chr6	North Shore	0.664273182	0.937261656	0.2729885	2.66E-05
cg01669948	chr6	Open Sea	0.595793319	0.868479208	0.2726859	0.000625
cg15571896	chr6	Open Sea	0.625469202	0.897994783	0.2725256	3.69E-06
cg04813787	chr6	Open Sea	0.452498963	0.724977937	0.272479	0.000681
cg14608074	chr6	South Shore	0.308947969	0.581008201	0.2720602	0.036075
cg24111025	chr6	North Shore	0.641137249	0.913150112	0.2720129	4.44E-05
cg03805279	chr6	North Shore	0.508917407	0.780890724	0.2719733	0.027382
cg04747824	chr6	South Shelf	0.516796746	0.788632714	0.271836	0.000813
cg13680362	chr6	Open Sea	0.511021874	0.782525256	0.2715034	0.000184
cg12308407	chr6	Open Sea	0.620556586	0.8918083	0.2712517	4.47E-05
cg23250964	chr6	North Shelf	0.636882487	0.908085372	0.2712029	0.000684
cg16709517	chr6	Open Sea	0.630164642	0.901334168	0.2711695	0.000323
cg15382659	chr6	Open Sea	0.644796871	0.915767034	0.2709702	1.04E-05
cg07369374	chr6	North Shore	0.517107453	0.788038111	0.2709307	0.000786
cg08419582	chr6	Open Sea	0.611928497	0.882572441	0.2706439	0.002971
cg08382963	chr6	Open Sea	0.516154532	0.786487922	0.2703334	0.032703
cg04766529	chr6	South Shore	0.622607678	0.891867341	0.2692597	0.00014
cg14996490	chr6	Open Sea	0.62135055	0.890522556	0.269172	4.18E-05
cg14224444	chr6	Open Sea	0.452498131	0.721571975	0.2690738	0.000227
cg26942169	chr6	Open Sea	0.621458097	0.89051259	0.2690545	1.37E-07
cg05368595	chr6	Open Sea	0.62546991	0.894503153	0.2690332	0.000842
cg16786581	chr6	South Shore	0.419837163	0.688101843	0.2682647	0.008652
cg03064642	chr6	Open Sea	0.629380904	0.897631813	0.2682509	0.01575
cg17280284	chr6	Open Sea	0.507518222	0.775738511	0.2682203	0.008547
cg21721022	chr6	Open Sea	0.492686782	0.760325835	0.2676391	1.95E-06
cg10994819	chr6	South Shelf	0.476205575	0.742449301	0.2662437	0.000169
cg03028515	chr6	Open Sea	0.585536986	0.849223473	0.2636865	0.00112
cg20971927	chr6	Open Sea	0.581447034	0.844890543	0.2634435	3.93E-05
cg00794673	chr6	Open Sea	0.236047835	0.499007296	0.2629595	1.94E-05
cg09579704	chr6	Open Sea	0.643781835	0.906155259	0.2623734	0.000301
cg25527882	chr6	North Shelf	0.662419313	0.924662064	0.2622428	0.000144
cg09103598	chr6	Open Sea	0.593955468	0.855935641	0.2619802	3.54E-05
cg10852698	chr6	Open Sea	0.389931306	0.651844409	0.2619131	0.000116
cg20872809	chr6	Open Sea	0.578631967	0.840059519	0.2614276	0.01308
cg03012452	chr6	South Shelf	0.618502896	0.87977402	0.2612711	0.000212
cg01620077	chr6	Open Sea	0.652623895	0.913771843	0.2611479	2.94E-05

cg12736037	chr6	Open Sea	0.642682912	0.903597291	0.2609144	0.000233
cg25162117	chr6	Open Sea	0.670762491	0.931299376	0.2605369	9.53E-08
cg14991764	chr6	Open Sea	0.543490705	0.80389242	0.2604017	8.31E-05
cg01669185	chr6	Open Sea	0.544683727	0.804122481	0.2594388	0.012828
cg06008803	chr6	Open Sea	0.624054522	0.883413652	0.2593591	8.8E-06
cg04230050	chr6	Open Sea	0.596743867	0.855116192	0.2583723	0.029245
cg00640376	chr6	North Shore	0.610654338	0.868950943	0.2582966	7.54E-05
cg08818207	chr6	North Shore	0.153080691	0.411044187	0.2579635	0.036498
cg02362508	chr6	South Shelf	0.555031689	0.812297833	0.2572661	0.000268
cg16958668	chr6	Open Sea	0.587963	0.845194732	0.2572317	0.019153
cg10082313	chr6	Open Sea	0.639658432	0.896077541	0.2564191	6.72E-05
cg16356737	chr6	North Shelf	0.517236974	0.772583687	0.2553467	0.001713
cg03299329	chr6	Open Sea	0.637740964	0.893025747	0.2552848	2.64E-05
cg00213729	chr6	South Shore	0.641618893	0.896811595	0.2551927	2.43E-05
cg25379036	chr6	Open Sea	0.512464406	0.767578514	0.2551141	0.002626
cg00801571	chr6	Open Sea	0.59973697	0.854547062	0.2548101	0.027298
cg00187889	chr6	Open Sea	0.650249358	0.904884817	0.2546355	0.00012
cg25724842	chr6	South Shelf	0.5498644	0.80408389	0.2542195	0.004614
cg07492590	chr6	North Shelf	0.585235093	0.839299415	0.2540643	0.00211
cg26348243	chr6	Open Sea	0.592190042	0.846086404	0.2538964	0.004529
cg01546561	chr6	Open Sea	0.577819067	0.83169892	0.2538799	0.000599
cg09299388	chr6	Open Sea	0.478061958	0.730896275	0.2528343	0.000279
cg00240178	chr6	North Shore	0.575030624	0.827544316	0.2525137	0.000697
cg01200021	chr6	North Shore	0.402046566	0.654271355	0.2522248	1.24E-05
cg05357750	chr6	Open Sea	0.493403426	0.745381736	0.2519783	0.000407
cg08273233	chr6	Open Sea	0.3121036	0.563956638	0.251853	0.014087
cg06754764	chr6	Open Sea	0.524030652	0.775506865	0.2514762	0.000524
cg15454110	chr6	North Shore	0.556400579	0.807220297	0.2508197	0.011459
cg14472026	chr6	Open Sea	0.482845891	0.733210493	0.2503646	6.59E-06
cg17620300	chr6	Island	0.634134576	0.883264315	0.2491297	7.7E-05
cg27001715	chr6	South Shelf	0.189148244	0.438246226	0.249098	0.008703
cg24070963	chr6	Open Sea	0.639190797	0.887351269	0.2481605	0.00014
cg22887663	chr6	Open Sea	0.600223229	0.848364946	0.2481417	0.002642
cg14270650	chr6	Open Sea	0.634391441	0.881847446	0.247456	0.000276
cg18030265	chr6	North Shore	0.557777254	0.804487781	0.2467105	0.031262
cg24590353	chr6	Open Sea	0.369598298	0.615420989	0.2458227	0.022902
cg02651357	chr6	Open Sea	0.654016681	0.898838062	0.2448214	8.08E-05
cg08447044	chr6	Open Sea	0.675922606	0.920553323	0.2446307	3.45E-06
cg05100867	chr6	Open Sea	0.496275897	0.740496834	0.2442209	0.002681
cg10369319	chr6	Open Sea	0.612209218	0.856217306	0.2440081	0.005437
cg17255005	chr6	Open Sea	0.585559047	0.829564946	0.2440059	0.013459
cg07260806	chr6	Open Sea	0.523367235	0.767163836	0.2437966	0.000535
cg06705361	chr6	Open Sea	0.624506959	0.868231154	0.2437242	0.016425
cg07817928	chr6	Open Sea	0.655853887	0.899458275	0.2436044	0.002147
cg12583553	chr6	North Shelf	0.500640078	0.744046755	0.2434067	0.001634
cg08355045	chr6	Open Sea	0.518916462	0.762190558	0.2432741	0.027119
cg08907436	chr6	North Shelf	0.551356324	0.794515572	0.2431592	0.025004
cg00232996	chr6	North Shelf	0.60539493	0.848186594	0.2427917	0.012774
cg16487621	chr6	Open Sea	0.625056989	0.867512743	0.2424558	0.002144
cg02547724	chr6	Open Sea	0.561818693	0.804191478	0.2423728	0.000213

cg01804233	chr6	Open Sea	0.609293935	0.85062747	0.2413335	0.001359
cg26740525	chr6	Open Sea	0.481098065	0.722320024	0.241222	0.002858
cg04189381	chr6	Island	0.517292049	0.757306028	0.240014	0.000737
cg22951342	chr6	Open Sea	0.589278557	0.828209762	0.2389312	0.011541
cg23064481	chr6	Open Sea	0.548117008	0.786893845	0.2387768	0.003563
cg25997219	chr6	North Shore	0.447325773	0.686069574	0.2387438	0.000514
cg10278025	chr6	Open Sea	0.238784323	0.477059203	0.2382749	1.64E-05
cg05068156	chr6	Open Sea	0.58837765	0.825996314	0.2376187	0.001359
cg25289569	chr6	North Shelf	0.586015683	0.823165221	0.2371495	0.001527
cg04662629	chr6	North Shore	0.607426386	0.84442196	0.2369956	9.53E-05
cg06358250	chr6	Island	0.112084992	0.348979259	0.2368943	0.003516
cg07803420	chr6	North Shore	0.448445184	0.684502917	0.2360577	0.040238
cg14852603	chr6	Open Sea	0.580639084	0.816151958	0.2355129	0.000103
cg00361017	chr6	North Shore	0.489023975	0.724480282	0.2354563	0.003942
cg12305265	chr6	North Shore	0.515760862	0.750704444	0.2349436	0.011556
cg07159114	chr6	Open Sea	0.534666323	0.769128	0.2344617	0.027983
cg03978169	chr6	Open Sea	0.611571289	0.845964537	0.2343932	6.09E-05
cg09453425	chr6	Open Sea	0.666138527	0.900487731	0.2343492	4.5E-05
cg00735907	chr6	North Shore	0.633735323	0.868069701	0.2343344	0.000366
cg21969116	chr6	South Shelf	0.63004885	0.864345136	0.2342963	0.000162
cg05392263	chr6	Open Sea	0.603566073	0.837839711	0.2342736	0.001958
cg15391116	chr6	Open Sea	0.677059338	0.91080039	0.2337411	2.66E-05
cg16916688	chr6	Open Sea	0.541437162	0.775105179	0.233668	0.001195
cg07563050	chr6	Open Sea	0.631559138	0.864916988	0.2333578	1.16E-05
cg07061368	chr6	Open Sea	0.463211869	0.696414711	0.2332028	0.000157
cg10141717	chr6	South Shelf	0.662164936	0.895254244	0.2330893	0.000313
cg08356243	chr6	Open Sea	0.632112911	0.865061091	0.2329482	0.001102
cg24544512	chr6	Open Sea	0.647574298	0.880374016	0.2327997	2.29E-05
cg10429091	chr6	North Shore	0.570364223	0.803073744	0.2327095	0.022309
cg03449857	chr6	Open Sea	0.634704837	0.866888785	0.2321839	0.006717
cg13040666	chr6	South Shore	0.596915892	0.828791878	0.231876	0.014559
cg14021478	chr6	North Shore	0.286385387	0.518160386	0.231775	0.031216
cg08548882	chr6	Open Sea	0.666180085	0.897606425	0.2314263	0.000288
cg04176995	chr6	South Shore	0.314603104	0.546020744	0.2314176	2.95E-05
cg26558366	chr6	Open Sea	0.623110206	0.854026151	0.2309159	2.35E-05
cg26918723	chr6	Open Sea	0.654237194	0.884782651	0.2305455	2.17E-06
cg23192824	chr6	Open Sea	0.672787704	0.902945879	0.2301582	0.00019
cg01080927	chr6	Open Sea	0.708602523	0.938293838	0.2296913	0.00041
cg11346128	chr6	North Shelf	0.589136436	0.818237137	0.2291007	0.028426
cg16343924	chr6	Open Sea	0.344637529	0.573589037	0.2289515	5.49E-05
cg00061811	chr6	South Shore	0.62143682	0.850379784	0.228943	0.039459
cg24699871	chr6	Open Sea	0.639806783	0.86860637	0.2287996	0.000336
cg09198601	chr6	North Shore	0.494440032	0.723152474	0.2287124	0.013699
cg13384212	chr6	Open Sea	0.564161641	0.792657877	0.2284962	0.019335
cg21582973	chr6	Open Sea	0.679737364	0.908172351	0.228435	0.000978
cg17945766	chr6	Open Sea	0.604081576	0.831622147	0.2275406	1.65E-05
cg16809040	chr6	Open Sea	0.517354165	0.74469672	0.2273426	0.000235
cg25956483	chr6	Open Sea	0.586307656	0.813539546	0.2272319	3.76E-05
cg13178597	chr6	Open Sea	0.412918395	0.639509811	0.2265914	0.040739
cg15919612	chr6	Open Sea	0.410920013	0.63739935	0.2264793	0.031226



cg00753442	chr6	Open Sea	0.656767663	0.883227181	0.2264595	0.000584
cg01442943	chr6	Open Sea	0.469123965	0.695269285	0.2261453	0.001163
cg18392943	chr6	Open Sea	0.579062982	0.805018251	0.2259553	0.004794
cg01518591	chr6	Open Sea	0.555373951	0.780941385	0.2255674	0.011987
cg22973012	chr6	Open Sea	0.532711404	0.757925882	0.2252145	0.007672
cg19496554	chr6	Open Sea	0.639748303	0.864933783	0.2251855	0.000257
cg20759486	chr6	Open Sea	0.616507862	0.841678389	0.2251705	0.017513
cg00647262	chr6	South Shore	0.471600235	0.696672405	0.2250722	0.00441
cg16231066	chr6	South Shelf	0.59932317	0.824380218	0.225057	0.000184
cg25323497	chr6	Open Sea	0.648435544	0.873209345	0.2247738	0.00016
cg00988577	chr6	South Shelf	0.650539353	0.874564788	0.2240254	0.001338
cg05720511	chr6	Open Sea	0.700417663	0.923975846	0.2235582	0.000158
cg14011416	chr6	Open Sea	0.468596854	0.691264568	0.2226677	0.009978
cg11324712	chr6	Open Sea	0.473200096	0.695800905	0.2226008	3.04E-06
cg25382108	chr6	Open Sea	0.703852286	0.926448708	0.2225964	0.000746
cg25561409	chr6	Open Sea	0.658387988	0.880930195	0.2225422	0.000936
cg23205936	chr6	Open Sea	0.616161095	0.838125602	0.2219645	0.027047
cg22254464	chr6	North Shelf	0.428536708	0.650341761	0.2218051	0.005997
cg09732335	chr6	Open Sea	0.673352903	0.895105906	0.221753	0.000111
cg13620881	chr6	South Shore	0.541364895	0.763037159	0.2216723	0.041058
cg07014126	chr6	Open Sea	0.703181603	0.92471956	0.221538	0.00142
cg22681721	chr6	North Shelf	0.540932921	0.762121374	0.2211885	0.011892
cg01558785	chr6	Open Sea	0.620378555	0.841335514	0.220957	0.002496
cg14004552	chr6	South Shelf	0.57738892	0.79799385	0.2206049	0.015757
cg17952446	chr6	Open Sea	0.681056328	0.901656088	0.2205998	3.43E-05
cg23481169	chr6	Open Sea	0.665937332	0.886330916	0.2203936	0.00046
cg20192387	chr6	Open Sea	0.663122494	0.883433936	0.2203114	0.001719
cg24360137	chr6	South Shore	0.688085746	0.908360541	0.2202748	0.000872
cg22425813	chr6	Open Sea	0.673093237	0.893242339	0.2201491	0.00111
cg03754044	chr6	Open Sea	0.283160626	0.503151251	0.2199906	0.048055
cg17587997	chr6	Open Sea	0.673964735	0.893891161	0.2199264	5.72E-05
cg24452282	chr6	Open Sea	0.547295411	0.76715478	0.2198594	0.041806
cg20235471	chr6	Open Sea	0.675162942	0.895020228	0.2198573	0.000392
cg22996742	chr6	Open Sea	0.458447121	0.678299311	0.2198522	0.000258
cg24677671	chr6	South Shore	0.643528809	0.863053497	0.2195247	6.67E-05
cg19471040	chr6	Open Sea	0.425212359	0.64468799	0.2194756	0.000218
cg23164076	chr6	Open Sea	0.654893023	0.874332145	0.2194391	0.005643
cg25267258	chr6	Open Sea	0.561836915	0.780586093	0.2187492	0.017625
cg24497955	chr6	Open Sea	0.693477844	0.912224642	0.2187468	0.000148
cg13475248	chr6	Open Sea	0.699894614	0.918467182	0.2185726	0.000591
cg23500637	chr6	South Shelf	0.647544592	0.865657224	0.2181126	0.000543
cg03800296	chr6	Open Sea	0.671170327	0.889169132	0.2179988	0.000985
cg19200440	chr6	Open Sea	0.725407319	0.943388196	0.2179809	8.74E-06
cg04926384	chr6	Open Sea	0.588572809	0.806377137	0.2178043	0.008572
cg00742465	chr6	North Shelf	0.427099509	0.644672364	0.2175729	0.002435
cg05007697	chr6	Open Sea	0.708537686	0.925565297	0.2170276	0.000461
cg12628075	chr6	Open Sea	0.397037472	0.614002696	0.2169652	6.98E-05
cg02151752	chr6	Open Sea	0.664972667	0.88163858	0.2166659	1.04E-05
cg03046001	chr6	Open Sea	0.653979395	0.870317366	0.216338	0.000157
cg17859772	chr6	Open Sea	0.521029148	0.737202928	0.2161738	8.29E-06

cg25734928	chr6	North Shelf	0.363523258	0.579666442	0.2161432	0.009912
cg17451015	chr6	Open Sea	0.578681011	0.794750983	0.21607	0.006111
cg26076858	chr6	Open Sea	0.641544737	0.857574424	0.2160297	0.036689
cg09649901	chr6	Open Sea	0.624010947	0.839898095	0.2158871	0.001001
cg17563504	chr6	Open Sea	0.630728029	0.846437401	0.2157094	0.023991
cg02642841	chr6	Open Sea	0.697082675	0.912459399	0.2153767	0.000218
cg00163727	chr6	Open Sea	0.53715597	0.752395158	0.2152392	0.005443
cg05388401	chr6	Open Sea	0.673442552	0.888487592	0.215045	0.011459
cg08906009	chr6	Open Sea	0.668050373	0.883094849	0.2150445	0.00083
cg24697648	chr6	Open Sea	0.372296851	0.587134877	0.214838	0.000489
cg25149023	chr6	Open Sea	0.540488277	0.755132305	0.214644	0.000146
cg00938547	chr6	Open Sea	0.651373321	0.86579255	0.2144192	1.88E-05
cg21103269	chr6	Open Sea	0.710585158	0.924867418	0.2142823	0.005282
cg12094863	chr6	North Shore	0.518709541	0.732944084	0.2142345	0.000107
cg11678118	chr6	South Shelf	0.689499033	0.90347128	0.2139722	0.00113
cg03988374	chr6	Open Sea	0.613284723	0.826699963	0.2134152	9.67E-05
cg23716866	chr6	Open Sea	0.423414648	0.636449964	0.2130353	0.025116
cg16479474	chr6	Open Sea	0.699861711	0.912834162	0.2129725	7.02E-05
cg21367769	chr6	North Shore	0.647978106	0.86077949	0.2128014	0.000541
cg02408532	chr6	Open Sea	0.442141309	0.65477682	0.2126355	3.14E-06
cg06968241	chr6	Open Sea	0.4985783	0.711005389	0.2124271	0.030868
cg01024792	chr6	South Shelf	0.650899295	0.8630284	0.2121291	0.005079
cg08196667	chr6	Open Sea	0.659936631	0.871623946	0.2116873	0.000364
cg10716518	chr6	South Shelf	0.628108479	0.839709764	0.2116013	0.000766
cg08727239	chr6	South Shore	0.638102237	0.849068127	0.2109659	0.000407
cg13563634	chr6	North Shore	0.354745266	0.56559695	0.2108517	0.004936
cg17537380	chr6	South Shore	0.691640472	0.90239914	0.2107587	0.000241
cg03550727	chr6	South Shelf	0.570669061	0.780994471	0.2103254	0.000471
cg16157288	chr6	Open Sea	0.68048797	0.890706105	0.2102181	0.006014
cg13662121	chr6	North Shore	0.448603482	0.658745418	0.2101419	0.000178
cg13351860	chr6	South Shelf	0.565141054	0.775250311	0.2101093	0.002941
cg22739554	chr6	Open Sea	0.661641921	0.871659177	0.2100173	0.003588
cg00015340	chr6	Open Sea	0.707567322	0.917300449	0.2097331	2.36E-05
cg04312119	chr6	Open Sea	0.618637507	0.828272246	0.2096347	0.004016
cg16989143	chr6	Island	0.68475895	0.89421585	0.2094569	0.000477
cg24639690	chr6	Open Sea	0.676842752	0.886251043	0.2094083	0.00178
cg01184149	chr6	North Shore	0.634872198	0.844202779	0.2093306	0.005354
cg04684481	chr6	Open Sea	0.630956102	0.839864685	0.2089086	0.000229
cg22842085	chr6	Open Sea	0.625543432	0.833484175	0.2079407	0.006922
cg13406003	chr6	Open Sea	0.579286131	0.787201883	0.2079158	0.000143
cg11168694	chr6	Open Sea	0.700926944	0.908456948	0.20753	0.003611
cg08430325	chr6	South Shore	0.571821885	0.779136059	0.2073142	0.014971
cg06340118	chr6	South Shore	0.37279279	0.58005547	0.2072627	0.049668
cg27355501	chr6	North Shore	0.491558758	0.698282656	0.2067239	0.00013
cg01660346	chr6	Open Sea	0.69221529	0.898703023	0.2064877	0.001818
cg23160829	chr6	Open Sea	0.707702249	0.913734672	0.2060324	0.000963
cg05842175	chr6	Open Sea	0.679032902	0.884801558	0.2057687	0.001096
cg16537676	chr6	North Shore	0.36813846	0.573486541	0.2053481	0.024079
cg11239749	chr6	Open Sea	0.640619586	0.844955927	0.2043363	0.000296
cg10219995	chr6	Open Sea	0.53285065	0.737111595	0.2042609	0.001886

cg06545464	chr6	Open Sea	0.689648856	0.893879148	0.2042303	0.000171
cg25934495	chr6	Open Sea	0.638383568	0.842299492	0.2039159	0.019777
cg12887840	chr6	Open Sea	0.695832539	0.899174661	0.2033421	0.000171
cg01254264	chr6	Open Sea	0.533662923	0.73686107	0.2031981	0.00765
cg16002544	chr6	Open Sea	0.738066787	0.94114578	0.203079	0.000682
cg25789370	chr6	South Shore	0.607377004	0.810352877	0.2029759	0.001281
cg06960700	chr6	Open Sea	0.68361759	0.886417987	0.2028004	0.000122
cg10511390	chr6	North Shelf	0.547882658	0.750664702	0.202782	0.00659
cg02149532	chr6	Open Sea	0.66917694	0.871938018	0.2027611	0.032893
cg19772011	chr6	North Shore	0.124872551	0.327613308	0.2027408	0.001209
cg23520757	chr6	Open Sea	0.525436777	0.727848764	0.202412	0.000484
cg13336485	chr6	Open Sea	0.645466428	0.847746661	0.2022802	0.002269
cg05094429	chr6	Open Sea	0.653557407	0.854672684	0.2011153	0.002834
cg10146514	chr6	Open Sea	0.702679507	0.902870519	0.200191	0.001765
cg19201856	chr7	Open Sea	0.439551594	0.954195509	0.5146439	1.95E-10
cg01116873	chr7	Open Sea	0.342896639	0.851063015	0.5081664	0.003068
cg15574810	chr7	Open Sea	0.444714924	0.946438052	0.5017231	3.1E-10
cg25171118	chr7	Open Sea	0.355974338	0.824783619	0.4688093	4.35E-05
cg06950346	chr7	Open Sea	0.387483717	0.851445484	0.4639618	7.38E-05
cg11892240	chr7	Open Sea	0.358290589	0.816354664	0.4580641	0.010501
cg12055258	chr7	Open Sea	0.431533968	0.883920001	0.452386	2.68E-09
cg22128328	chr7	South Shelf	0.408221723	0.855624913	0.4474032	9.24E-08
cg13200640	chr7	North Shore	0.492559289	0.936085947	0.4435267	5.15E-09
cg06601993	chr7	Open Sea	0.395203703	0.83869049	0.4434868	0.0176
cg00085486	chr7	North Shelf	0.440549893	0.877363253	0.4368134	2.1E-07
cg17578341	chr7	Open Sea	0.47641136	0.910195117	0.4337838	2.26E-08
cg19486437	chr7	Open Sea	0.35126802	0.774649087	0.4233811	3.64E-08
cg22213042	chr7	Open Sea	0.43629194	0.859330875	0.4230389	3.36E-07
cg16275882	chr7	South Shore	0.1442283	0.564121078	0.4198928	0.001395
cg23950788	chr7	Open Sea	0.387502967	0.807385018	0.4198821	2.77E-08
cg09424566	chr7	Open Sea	0.473394512	0.889308541	0.415914	2.38E-08
cg21336434	chr7	Open Sea	0.432949813	0.848705197	0.4157554	7.54E-05
cg12552626	chr7	Open Sea	0.500820993	0.914593356	0.4137724	3.28E-07
cg14401837	chr7	Open Sea	0.449646739	0.861615211	0.4119685	5.15E-05
cg02124565	chr7	Open Sea	0.457081187	0.868400622	0.4113194	0.0116
cg10576132	chr7	Open Sea	0.411356343	0.818782808	0.4074265	0.00015
cg22963629	chr7	Open Sea	0.410818303	0.81511396	0.4042957	0.006263
cg24458314	chr7	Open Sea	0.363046244	0.766449608	0.4034034	0.001388
cg12001930	chr7	Open Sea	0.311352291	0.713149727	0.4017974	8.68E-05
cg06544061	chr7	South Shelf	0.452286664	0.850831621	0.398545	1.33E-05
cg11327659	chr7	North Shore	0.499324624	0.896681533	0.3973569	3.29E-08
cg27182527	chr7	Open Sea	0.462942514	0.859412766	0.3964703	0.002937
cg17287122	chr7	Open Sea	0.494948815	0.889838271	0.3948895	2.18E-06
cg12976145	chr7	Open Sea	0.393468093	0.786533496	0.3930654	3.64E-05
cg26724841	chr7	North Shelf	0.491149576	0.882215501	0.3910659	1.76E-06
cg04879211	chr7	North Shore	0.427911573	0.818884766	0.3909732	5.8E-06
cg10731848	chr7	Open Sea	0.422609985	0.813254315	0.3906443	1.77E-05
cg19410046	chr7	Open Sea	0.493319048	0.883154939	0.3898359	8.81E-08
cg07339864	chr7	Open Sea	0.483321217	0.872890339	0.3895691	7.53E-08
cg18583276	chr7	Open Sea	0.571859956	0.956487557	0.3846276	1.18E-06

cg21249131	chr7	Open Sea	0.427821336	0.809694379	0.381873	0.026749
cg00232092	chr7	North Shelf	0.443566315	0.825068424	0.3815021	0.011606
cg19998533	chr7	Open Sea	0.302664245	0.683407126	0.3807429	0.012085
cg18021623	chr7	Open Sea	0.379615923	0.759090533	0.3794746	0.029373
cg24661184	chr7	Open Sea	0.466334916	0.845088374	0.3787535	0.029183
cg11060604	chr7	Open Sea	0.481365279	0.859907217	0.3785419	0.012411
cg18018990	chr7	Open Sea	0.404981472	0.782868522	0.3778871	6.62E-06
cg20518096	chr7	Open Sea	0.433659982	0.811400985	0.377741	9.38E-08
cg09657435	chr7	Open Sea	0.504676922	0.882171004	0.3774941	1.69E-05
cg02607810	chr7	Open Sea	0.432984296	0.805910653	0.3729264	0.036096
cg20135307	chr7	Open Sea	0.538783355	0.91063761	0.3718543	2.94E-06
cg15577272	chr7	Open Sea	0.361626091	0.733318828	0.3716927	0.000676
cg19348272	chr7	North Shore	0.494496587	0.865986809	0.3714902	1.2E-06
cg19509988	chr7	Open Sea	0.495100848	0.864725585	0.3696247	0.000457
cg00638020	chr7	North Shore	0.361303626	0.730602727	0.3692991	0.017663
cg08564874	chr7	Open Sea	0.439419074	0.808632229	0.3692132	2.3E-07
cg06866451	chr7	Open Sea	0.48333039	0.850719319	0.3673889	0.030645
cg12771187	chr7	Open Sea	0.49678954	0.863570065	0.3667805	0.005926
cg12669355	chr7	Open Sea	0.462103997	0.827671519	0.3655675	0.000708
cg17161266	chr7	Open Sea	0.486637463	0.850988988	0.3643515	5.98E-09
cg09278623	chr7	Open Sea	0.475505121	0.839175422	0.3636703	0.036784
cg13495373	chr7	Open Sea	0.534003029	0.897194732	0.3631917	8.94E-08
cg23443190	chr7	Open Sea	0.468833705	0.831821161	0.3629875	6.43E-08
cg06449934	chr7	North Shore	0.333029461	0.695476178	0.3624467	0.044766
cg01214063	chr7	Open Sea	0.445569377	0.807105202	0.3615358	1.31E-06
cg20311601	chr7	Open Sea	0.522635701	0.883958504	0.3613228	4.73E-07
cg01747978	chr7	Open Sea	0.469987615	0.829867567	0.35988	9.69E-09
cg09004351	chr7	Open Sea	0.568968073	0.927512244	0.3585442	4.27E-08
cg09418000	chr7	Open Sea	0.582765643	0.941268112	0.3585025	1.13E-06
cg01966732	chr7	Open Sea	0.459901453	0.818276925	0.3583755	0.003342
cg01025690	chr7	Open Sea	0.430243209	0.787931657	0.3576884	7.74E-05
cg14468481	chr7	Island	0.275071694	0.632522556	0.3574509	0.000647
cg18207099	chr7	Open Sea	0.483770747	0.840317216	0.3565465	8.06E-05
cg22578425	chr7	Open Sea	0.498905296	0.852239086	0.3533338	0.021459
cg03304660	chr7	North Shore	0.515749275	0.868636977	0.3528877	0.000119
cg06906464	chr7	Open Sea	0.285779624	0.638560872	0.3527812	0.024409
cg09626054	chr7	Open Sea	0.351439011	0.704037209	0.3525982	6.01E-09
cg11844087	chr7	Open Sea	0.433525744	0.785823703	0.352298	4.33E-07
cg24057107	chr7	Open Sea	0.376657417	0.728690253	0.3520328	0.006632
cg17276624	chr7	Open Sea	0.503885126	0.855353501	0.3514684	0.048887
cg10361005	chr7	North Shelf	0.4367204	0.787370775	0.3506504	0.001026
cg06890890	chr7	North Shelf	0.434843155	0.785391725	0.3505486	0.02001
cg25640382	chr7	Open Sea	0.519251011	0.868213841	0.3489628	5.78E-06
cg14981819	chr7	Open Sea	0.523934243	0.872253197	0.348319	1.19E-05
cg12894814	chr7	Open Sea	0.397663207	0.743504375	0.3458412	0.029107
cg06555227	chr7	North Shelf	0.497158777	0.842967208	0.3458084	0.006225
cg01008557	chr7	Open Sea	0.485005336	0.830514757	0.3455094	1.38E-07
cg18682226	chr7	North Shelf	0.514517733	0.859975808	0.3454581	0.0059
cg13306338	chr7	North Shore	0.553476074	0.896707832	0.3432318	0.001675
cg23783444	chr7	North Shore	0.562716263	0.903687879	0.3409716	3.36E-06

cg22831029	chr7	Open Sea	0.47242313	0.813068123	0.340645	0.00277
cg13839563	chr7	Open Sea	0.412698237	0.751971052	0.3392728	0.019762
cg03980715	chr7	North Shore	0.57383082	0.912736292	0.3389055	3.11E-08
cg00496462	chr7	Open Sea	0.456813749	0.794928816	0.3381151	0.028571
cg19555641	chr7	Open Sea	0.560028956	0.897153868	0.3371249	3.22E-06
cg00927226	chr7	Open Sea	0.54488613	0.881924647	0.3370385	1.32E-05
cg20670679	chr7	South Shore	0.380756136	0.717301835	0.3365457	0.041955
cg18099070	chr7	Open Sea	0.502074622	0.838167568	0.3360929	2.35E-07
cg11872672	chr7	Open Sea	0.433977108	0.769468404	0.3354913	0.000195
cg20655099	chr7	North Shore	0.473651697	0.808740207	0.3350885	0.033347
cg13364075	chr7	North Shore	0.499444826	0.833278594	0.3338338	1.44E-07
cg25910519	chr7	South Shelf	0.443425136	0.776108852	0.3326837	0.004847
cg03727554	chr7	Open Sea	0.435901958	0.766739646	0.3308377	3.61E-05
cg14354418	chr7	Open Sea	0.476685571	0.807280007	0.3305944	0.000409
cg22786667	chr7	Open Sea	0.18622921	0.516581312	0.3303521	0.03008
cg19691505	chr7	Open Sea	0.499059293	0.828874424	0.3298151	0.000167
cg09193751	chr7	South Shore	0.481290455	0.809873173	0.3285827	0.000317
cg25149888	chr7	North Shore	0.614822904	0.943220216	0.3283973	1.65E-05
cg17126250	chr7	Open Sea	0.510901661	0.838996432	0.3280948	0.001887
cg27635135	chr7	Open Sea	0.310671359	0.638696103	0.3280247	0.030174
cg11091262	chr7	Open Sea	0.535755971	0.863759292	0.3280033	0.00325
cg21163617	chr7	North Shelf	0.549389446	0.875580603	0.3261912	8.4E-05
cg11655410	chr7	Open Sea	0.5322266	0.858303434	0.3260768	3.68E-06
cg08625996	chr7	Open Sea	0.585678627	0.911474646	0.325796	1.82E-07
cg18008487	chr7	Island	0.427736774	0.75347031	0.3257335	1.09E-08
cg22081879	chr7	Open Sea	0.322242659	0.647915222	0.3256726	6.55E-07
cg24579534	chr7	South Shore	0.565866701	0.891436203	0.3255695	8.53E-06
cg21561953	chr7	Open Sea	0.294425807	0.6182817	0.3238559	0.018213
cg03609427	chr7	Open Sea	0.488866976	0.812093832	0.3232269	0.001473
cg02090654	chr7	Open Sea	0.36452436	0.687395541	0.3228712	0.006856
cg14655044	chr7	Open Sea	0.616007472	0.937791098	0.3217836	6.49E-07
cg00772192	chr7	Open Sea	0.450844738	0.772447671	0.3216029	0.036925
cg18523666	chr7	Open Sea	0.54110014	0.862536099	0.321436	0.00705
cg03334072	chr7	Open Sea	0.390744133	0.711949939	0.3212058	0.005423
cg01108633	chr7	Open Sea	0.402655359	0.723819818	0.3211645	0.028118
cg16626196	chr7	Open Sea	0.570543425	0.891328542	0.3207851	0.00055
cg18743793	chr7	North Shelf	0.497457075	0.817433656	0.3199766	0.003183
cg07212384	chr7	Open Sea	0.369579757	0.688394501	0.3188147	2.71E-05
cg03330374	chr7	North Shore	0.421638334	0.740332442	0.3186941	4.15E-06
cg19908611	chr7	North Shelf	0.567920884	0.885995739	0.3180749	0.000168
cg16868253	chr7	Open Sea	0.472195573	0.789897389	0.3177018	6.73E-06
cg01759887	chr7	Open Sea	0.282791182	0.599872614	0.3170814	0.003384
cg26550874	chr7	Open Sea	0.594980617	0.911707281	0.3167267	0.000106
cg05876425	chr7	North Shore	0.509643002	0.8262713	0.3166283	0.033442
cg24426405	chr7	Open Sea	0.333068825	0.649662832	0.316594	0.002543
cg27069616	chr7	Open Sea	0.380083551	0.696536095	0.3164525	0.026665
cg22461758	chr7	Open Sea	0.495686853	0.81156572	0.3158789	5.98E-05
cg08886154	chr7	Open Sea	0.388865935	0.704668793	0.3158029	1.29E-08
cg17387069	chr7	Open Sea	0.562754205	0.877664454	0.3149102	3.65E-05
cg18940274	chr7	Open Sea	0.511554727	0.824810239	0.3132555	0.017629

cg03986017	chr7	Open Sea	0.538603759	0.851578535	0.3129748	0.000244
cg04423214	chr7	Open Sea	0.428305579	0.740861437	0.3125559	0.0102
cg26875832	chr7	Open Sea	0.475530283	0.787976466	0.3124462	5.92E-06
cg19718662	chr7	Open Sea	0.380284437	0.691919787	0.3116353	0.000161
cg07776698	chr7	Open Sea	0.56630363	0.877341639	0.311038	0.003339
cg16492510	chr7	South Shore	0.457064742	0.767734945	0.3106702	0.027955
cg15014369	chr7	Open Sea	0.561334954	0.871458888	0.3101239	6.73E-06
cg11744116	chr7	Open Sea	0.495187904	0.804632585	0.3094447	0.014578
cg02657855	chr7	Open Sea	0.547628406	0.856103804	0.3084754	0.000504
cg12073479	chr7	North Shore	0.554228506	0.862417221	0.3081887	0.001075
cg03367622	chr7	Open Sea	0.509109352	0.817209888	0.3081005	0.011115
cg07800208	chr7	Open Sea	0.497713895	0.805286459	0.3075726	0.007613
cg22295983	chr7	Open Sea	0.638376189	0.944548307	0.3061721	3.52E-07
cg26388204	chr7	Open Sea	0.586557048	0.891992528	0.3054355	3.62E-05
cg13723551	chr7	Open Sea	0.577973679	0.882705842	0.3047322	9.58E-07
cg16477744	chr7	North Shore	0.607087667	0.911778769	0.3046911	1.31E-05
cg08554603	chr7	Open Sea	0.581115522	0.885736946	0.3046214	8.61E-07
cg14769121	chr7	Open Sea	0.586888474	0.891234687	0.3043462	0.006308
cg24799764	chr7	Open Sea	0.492447979	0.796674343	0.3042264	0.005503
cg01556466	chr7	Open Sea	0.429160953	0.733330979	0.30417	1.59E-07
cg24780236	chr7	Open Sea	0.500779031	0.804573849	0.3037948	0.023122
cg23860325	chr7	Open Sea	0.371686053	0.675413077	0.303727	0.008785
cg22967140	chr7	Open Sea	0.612047071	0.915007273	0.3029602	2.61E-06
cg02022526	chr7	South Shore	0.491257863	0.793597241	0.3023394	1.2E-05
cg10837016	chr7	Open Sea	0.528833617	0.830556256	0.3017226	0.003508
cg25481630	chr7	North Shelf	0.451346636	0.752120999	0.3007744	0.002141
cg17837572	chr7	Open Sea	0.628389606	0.929108206	0.3007186	0.000129
cg04258696	chr7	Open Sea	0.599748713	0.900147933	0.3003992	7.07E-05
cg09277575	chr7	Open Sea	0.499170652	0.799254968	0.3000843	0.004421
cg22863118	chr7	Open Sea	0.611338832	0.911081148	0.2997423	3.99E-06
cg02382795	chr7	North Shore	0.31982626	0.618107839	0.2982816	0.011599
cg24681654	chr7	Open Sea	0.556157866	0.854199829	0.298042	0.000167
cg08904151	chr7	South Shelf	0.594454146	0.891929782	0.2974756	0.000493
cg10688790	chr7	Open Sea	0.547515074	0.844732197	0.2972171	0.000189
cg20956114	chr7	North Shelf	0.501663534	0.798810157	0.2971466	0.019273
cg01262413	chr7	South Shore	0.520175703	0.816449838	0.2962741	0.001083
cg13436968	chr7	Open Sea	0.281107126	0.577241908	0.2961348	0.042832
cg23509098	chr7	Open Sea	0.53638024	0.831971812	0.2955916	5.52E-05
cg14085012	chr7	Open Sea	0.62480015	0.920246962	0.2954468	1.59E-05
cg11323381	chr7	Open Sea	0.592502847	0.88621787	0.293715	4.79E-05
cg24384519	chr7	Open Sea	0.58371077	0.876734364	0.2930236	1.24E-05
cg12127159	chr7	Open Sea	0.58109438	0.874077942	0.2929836	0.003862
cg24645671	chr7	Open Sea	0.545253049	0.838082762	0.2928297	0.037979
cg10002850	chr7	South Shore	0.606561198	0.898969389	0.2924082	0.000284
cg18030949	chr7	Open Sea	0.535141112	0.826995379	0.2918543	2.58E-05
cg10231116	chr7	South Shore	0.584488262	0.875411958	0.2909237	9.29E-05
cg04902838	chr7	Open Sea	0.594223857	0.884592647	0.2903688	0.000172
cg09085201	chr7	Open Sea	0.314149809	0.604253537	0.2901037	0.047706
cg20810125	chr7	Open Sea	0.619653646	0.907647048	0.2879934	3.18E-05
cg05769505	chr7	Open Sea	0.560392263	0.847241793	0.2868495	2.92E-05

cg06339573	chr7	South Shelf	0.535104546	0.821762349	0.2866578	0.018558
cg00348802	chr7	North Shore	0.484523112	0.770280129	0.285757	0.003244
cg11604519	chr7	South Shelf	0.603859855	0.889111191	0.2852513	1.27E-05
cg22519571	chr7	Open Sea	0.634260327	0.919316514	0.2850562	5.28E-05
cg10323187	chr7	Open Sea	0.530753367	0.815228674	0.2844753	0.006475
cg04106190	chr7	Open Sea	0.630686931	0.915061474	0.2843745	1.8E-05
cg14494365	chr7	South Shore	0.465568569	0.749872186	0.2843036	0.001697
cg01687558	chr7	Island	0.576076089	0.860095802	0.2840197	8.17E-05
cg18338822	chr7	Open Sea	0.614530417	0.897667865	0.2831374	8.27E-05
cg16384355	chr7	Island	0.572427587	0.855332651	0.2829051	0.000436
cg06173509	chr7	Open Sea	0.586971797	0.869490423	0.2825186	0.002238
cg12157788	chr7	Open Sea	0.547374486	0.829563645	0.2821892	2.85E-05
cg16341266	chr7	Open Sea	0.522411207	0.804268647	0.2818574	0.017583
cg22922861	chr7	South Shelf	0.579396478	0.860950053	0.2815536	0.001304
cg00809969	chr7	North Shore	0.5465905	0.828089536	0.281499	0.020304
cg12590535	chr7	Open Sea	0.291585585	0.572738404	0.2811528	0.047979
cg27396284	chr7	Open Sea	0.623738749	0.904811233	0.2810725	8.82E-05
cg11003780	chr7	Open Sea	0.530604969	0.810551104	0.2799461	0.010417
cg18302629	chr7	Open Sea	0.539076853	0.818390993	0.2793141	1.55E-06
cg00347856	chr7	Open Sea	0.617590084	0.896735892	0.2791458	9.46E-06
cg17534654	chr7	Open Sea	0.560040001	0.838295016	0.278255	0.008999
cg23933095	chr7	North Shelf	0.399424823	0.677384393	0.2779596	4.25E-07
cg04018023	chr7	Open Sea	0.659107449	0.936334788	0.2772273	8.86E-10
cg03527683	chr7	Open Sea	0.542207692	0.819418419	0.2772107	0.002672
cg25277638	chr7	Open Sea	0.256593049	0.533774167	0.2771811	3.82E-08
cg15190834	chr7	Open Sea	0.63204416	0.908986733	0.2769426	5.78E-06
cg18127823	chr7	Island	0.478107526	0.754894646	0.2767871	2.58E-05
cg06681656	chr7	Open Sea	0.587795918	0.864427731	0.2766318	1.82E-05
cg13970218	chr7	North Shelf	0.59666611	0.873221163	0.2765551	2.94E-05
cg08514594	chr7	Open Sea	0.468234974	0.744703615	0.2764686	7.4E-06
cg25225232	chr7	South Shore	0.616278814	0.892656561	0.2763777	8.33E-05
cg22326328	chr7	North Shelf	0.556822703	0.832818765	0.2759961	0.019452
cg25903158	chr7	South Shore	0.116735214	0.392654801	0.2759196	0.046284
cg27517282	chr7	Open Sea	0.639517819	0.914730827	0.275213	3.52E-05
cg09972052	chr7	Open Sea	0.344677364	0.61919417	0.2745168	0.002237
cg21537623	chr7	Open Sea	0.471752024	0.745962668	0.2742106	0.000292
cg25387685	chr7	North Shore	0.574999674	0.849052191	0.2740525	0.001129
cg05289983	chr7	Open Sea	0.418557183	0.69249486	0.2739377	0.012393
cg22645201	chr7	Open Sea	0.549747547	0.823334321	0.2735868	0.008583
cg13728287	chr7	Open Sea	0.619298736	0.891479412	0.2721807	0.002135
cg02292206	chr7	North Shore	0.582102607	0.853885136	0.2717825	0.003532
cg25740250	chr7	North Shelf	0.63576511	0.907243766	0.2714787	0.000198
cg15624274	chr7	Open Sea	0.566189456	0.836896447	0.270707	9.34E-05
cg00946316	chr7	South Shore	0.618080874	0.888429531	0.2703487	0.000383
cg17822807	chr7	Open Sea	0.631063942	0.901411932	0.270348	7.32E-05
cg26593067	chr7	North Shelf	0.610876352	0.881055854	0.2701795	3.36E-05
cg00290303	chr7	Open Sea	0.463699107	0.733476777	0.2697777	0.033376
cg24384632	chr7	Open Sea	0.64015915	0.909257612	0.2690985	2.3E-05
cg25252482	chr7	Open Sea	0.614701591	0.882959149	0.2682576	5.74E-05
cg25576789	chr7	North Shore	0.406204425	0.674401657	0.2681972	0.002428

cg02469356	chr7	Open Sea	0.657025364	0.924991444	0.2679661	2.17E-07
cg03900492	chr7	North Shore	0.56272349	0.830654096	0.2679306	0.006677
cg05399607	chr7	Open Sea	0.453800872	0.721720257	0.2679194	8.53E-07
cg08889440	chr7	Open Sea	0.495119406	0.762755749	0.2676363	0.022333
cg04132649	chr7	Open Sea	0.660181223	0.927462118	0.2672809	0.000146
cg09452483	chr7	South Shore	0.618486445	0.885743213	0.2672568	5.78E-05
cg00238283	chr7	North Shore	0.629694646	0.896420234	0.2667256	0.000136
cg04503054	chr7	Open Sea	0.646069888	0.912008108	0.2659382	4.52E-05
cg17701991	chr7	Open Sea	0.615506469	0.880835335	0.2653289	0.000117
cg25325543	chr7	Open Sea	0.635457647	0.900538793	0.2650811	0.000116
cg05970317	chr7	Open Sea	0.643831427	0.908869947	0.2650385	8.98E-05
cg22368281	chr7	North Shore	0.445368381	0.710118595	0.2647502	0.003159
cg12210457	chr7	Open Sea	0.672210671	0.936699472	0.2644888	6.33E-05
cg11010397	chr7	South Shore	0.599950302	0.864417226	0.2644669	0.011589
cg14432251	chr7	North Shore	0.560199204	0.82303346	0.2628343	0.001047
cg00043591	chr7	South Shelf	0.518226328	0.780728548	0.2625022	0.02012
cg03372042	chr7	Open Sea	0.545672936	0.807624972	0.261952	0.003878
cg01693328	chr7	South Shelf	0.448107812	0.709732387	0.2616246	0.042966
cg11147724	chr7	South Shore	0.617898876	0.878487425	0.2605885	0.000703
cg27282206	chr7	Open Sea	0.637809332	0.898120991	0.2603117	1.22E-06
cg24965322	chr7	Open Sea	0.658592439	0.918758407	0.260166	1.73E-05
cg25565476	chr7	Open Sea	0.435060548	0.695185444	0.2601249	0.00098
cg07012178	chr7	South Shelf	0.503328488	0.763339854	0.2600114	0.018465
cg06228260	chr7	Open Sea	0.489921982	0.749618944	0.259697	1.24E-06
cg22719826	chr7	Open Sea	0.567819664	0.826649669	0.25883	0.035571
cg22424532	chr7	South Shore	0.624242508	0.882821893	0.2585794	0.000861
cg19404207	chr7	Open Sea	0.616975407	0.875348687	0.2583733	0.000583
cg01268345	chr7	Open Sea	0.623788944	0.882092293	0.2583033	0.000202
cg21005410	chr7	Open Sea	0.643918261	0.902121656	0.2582034	2.92E-05
cg21700772	chr7	South Shore	0.328409779	0.586321346	0.2579116	0.008705
cg22598247	chr7	South Shelf	0.607281595	0.864956272	0.2576747	0.000611
cg21006425	chr7	North Shelf	0.438394638	0.695968577	0.2575739	6.47E-08
cg02007867	chr7	Open Sea	0.501738885	0.758991546	0.2572527	0.008215
cg19529583	chr7	Open Sea	0.438357365	0.694872086	0.2565147	0.035491
cg18395623	chr7	Open Sea	0.571160036	0.827619036	0.256459	0.004361
cg26427498	chr7	Open Sea	0.461827619	0.717831201	0.2560036	2.64E-05
cg16858211	chr7	Open Sea	0.591223293	0.847110161	0.2558869	0.007905
cg18156136	chr7	Open Sea	0.552908036	0.807348323	0.2544403	0.039273
cg09936218	chr7	Open Sea	0.583148757	0.837536321	0.2543876	0.006533
cg23453466	chr7	Open Sea	0.650813566	0.90499294	0.2541794	6.24E-05
cg19679302	chr7	North Shelf	0.643964221	0.897957002	0.2539928	0.000247
cg09450352	chr7	South Shore	0.615562003	0.869342811	0.2537808	8.14E-05
cg24703706	chr7	Open Sea	0.552767999	0.806412555	0.2536446	0.000264
cg10502354	chr7	North Shelf	0.667850029	0.921481044	0.253631	0.000391
cg00297282	chr7	South Shore	0.602573404	0.855946797	0.2533734	4.35E-05
cg02941085	chr7	North Shore	0.607087954	0.86042367	0.2533357	0.005999
cg12364136	chr7	Open Sea	0.478309815	0.730963265	0.2526534	0.012037
cg18913924	chr7	South Shore	0.598855706	0.851086536	0.2522308	3.48E-06
cg22958018	chr7	Open Sea	0.668396346	0.920436515	0.2520402	2.03E-05
cg00110846	chr7	North Shore	0.628598581	0.880411125	0.2518125	0.000319



cg02516134	chr7	Open Sea	0.595733392	0.847356601	0.2516232	5.9E-05
cg10046101	chr7	Open Sea	0.657149642	0.90872414	0.2515745	3.45E-06
cg15319585	chr7	South Shelf	0.636670524	0.888192688	0.2515222	0.000138
cg14397500	chr7	Open Sea	0.607969659	0.859481192	0.2515115	0.048152
cg13828236	chr7	North Shore	0.638860487	0.890174163	0.2513137	4.8E-05
cg16866485	chr7	Open Sea	0.652961801	0.904187686	0.2512259	0.000735
cg14561985	chr7	North Shore	0.645617807	0.896273829	0.250656	3.21E-05
cg24996491	chr7	Open Sea	0.445762659	0.696413965	0.2506513	0.000421
cg19954227	chr7	South Shelf	0.640492036	0.890676258	0.2501842	0.004859
cg22821554	chr7	Open Sea	0.622570437	0.872439373	0.2498689	0.00026
cg27092605	chr7	Open Sea	0.535241545	0.783858617	0.2486171	0.000146
cg11344729	chr7	Open Sea	0.588611992	0.836921855	0.2483099	0.000273
cg20177507	chr7	Open Sea	0.528693938	0.776952885	0.2482589	0.000254
cg11932205	chr7	Open Sea	0.521603089	0.769656127	0.248053	1.48E-05
cg00080060	chr7	Open Sea	0.647668643	0.895714723	0.2480461	0.000115
cg23184226	chr7	North Shore	0.56456682	0.812571091	0.2480043	6.86E-05
cg08441248	chr7	South Shore	0.670837377	0.918122035	0.2472847	0.000119
cg15975151	chr7	Open Sea	0.672301185	0.919285573	0.2469844	0.001295
cg18195165	chr7	North Shelf	0.631391257	0.878358032	0.2469668	1.86E-05
cg18315831	chr7	North Shore	0.668337891	0.914983679	0.2466458	9.67E-05
cg09137718	chr7	Open Sea	0.511237003	0.757396839	0.2461598	0.017078
cg16997642	chr7	Island	0.553630328	0.799773047	0.2461427	0.002452
cg09650495	chr7	North Shelf	0.272271614	0.517821848	0.2455502	0.004585
cg09235185	chr7	South Shore	0.642599479	0.888102975	0.2455035	0.006605
cg00574379	chr7	Open Sea	0.408123435	0.653281822	0.2451584	0.049361
cg23808337	chr7	Open Sea	0.563022701	0.807968928	0.2449462	0.0027
cg26051165	chr7	Open Sea	0.625988611	0.870877816	0.2448892	0.009889
cg24603439	chr7	Open Sea	0.648406751	0.892562925	0.2441562	3.31E-05
cg16670736	chr7	Open Sea	0.60080557	0.844555737	0.2437502	0.000422
cg03108373	chr7	Open Sea	0.425164019	0.668223669	0.2430597	0.00174
cg04996300	chr7	North Shore	0.529609188	0.772438721	0.2428295	0.00122
cg24873202	chr7	Open Sea	0.604029712	0.846837097	0.2428074	0.012744
cg09480446	chr7	North Shore	0.633313611	0.876035272	0.2427217	8.29E-05
cg01723575	chr7	North Shore	0.448682603	0.691190681	0.2425081	0.004142
cg08319291	chr7	Open Sea	0.583609967	0.825944584	0.2423346	1.86E-05
cg00397871	chr7	Open Sea	0.644915848	0.887063993	0.2421481	2.94E-05
cg21619594	chr7	Open Sea	0.629947339	0.871727972	0.2417806	0.000283
cg02582587	chr7	Open Sea	0.666365163	0.907984644	0.2416195	0.00011
cg23990124	chr7	North Shelf	0.665618071	0.907207461	0.2415894	1.67E-06
cg22575043	chr7	Open Sea	0.484123078	0.725059606	0.2409365	0.00148
cg08450080	chr7	South Shore	0.653621341	0.894525509	0.2409042	0.000173
cg17533563	chr7	Open Sea	0.535415333	0.776311636	0.2408963	0.017407
cg15540496	chr7	Open Sea	0.641215546	0.881798596	0.2405831	0.000113
cg03114899	chr7	South Shelf	0.545416245	0.785941773	0.2405255	0.000969
cg09768617	chr7	Open Sea	0.665955495	0.906216939	0.2402614	0.001505
cg09117442	chr7	North Shore	0.637710652	0.877934388	0.2402237	0.005075
cg14369780	chr7	Open Sea	0.640861484	0.880952407	0.2400909	0.029972
cg20680284	chr7	South Shelf	0.457382464	0.697273	0.2398905	6.92E-06
cg09220440	chr7	Open Sea	0.640319835	0.879928337	0.2396085	0.000207
cg10879854	chr7	Open Sea	0.647124849	0.886303095	0.2391782	0.000409

cg22724153	chr7	Open Sea	0.547200461	0.786156853	0.2389564	0.001639
cg07341813	chr7	North Shore	0.644950018	0.883348891	0.2383989	0.000641
cg25520440	chr7	Open Sea	0.553310777	0.791519863	0.2382091	0.002808
cg24872851	chr7	Open Sea	0.674563511	0.9125824	0.2380189	0.000312
cg26733975	chr7	Island	0.506747068	0.744758982	0.2380119	0.041421
cg06649856	chr7	Open Sea	0.457361515	0.695023471	0.237662	0.007975
cg09623773	chr7	South Shore	0.46327491	0.700928633	0.2376537	0.024363
cg27570992	chr7	Open Sea	0.671641262	0.909278228	0.237637	0.002454
cg18733925	chr7	Open Sea	0.619769461	0.857269906	0.2375004	0.000678
cg06621425	chr7	South Shore	0.411444119	0.64888475	0.2374406	0.030721
cg12904569	chr7	Open Sea	0.682948124	0.920116457	0.2371683	0.000491
cg18934443	chr7	North Shore	0.280273336	0.51677605	0.2365027	4.42E-07
cg09404689	chr7	South Shelf	0.67732985	0.91380003	0.2364702	0.000171
cg21124530	chr7	Open Sea	0.699872064	0.936038517	0.2361665	5.74E-05
cg10094907	chr7	Open Sea	0.562590789	0.798387377	0.2357966	1.63E-05
cg27168114	chr7	North Shore	0.629936826	0.865307686	0.2353709	0.00576
cg23740652	chr7	South Shore	0.48508085	0.720451082	0.2353702	0.01016
cg15698691	chr7	Open Sea	0.328812603	0.563935278	0.2351227	2.35E-05
cg08261841	chr7	North Shelf	0.682643602	0.917513624	0.23487	0.00025
cg03436722	chr7	North Shore	0.61706464	0.851646521	0.2345819	0.037501
cg23235971	chr7	North Shore	0.599200668	0.83377886	0.2345782	0.000152
cg20360285	chr7	Open Sea	0.5883771	0.822867028	0.2344899	0.02619
cg00967316	chr7	Open Sea	0.566321299	0.800680852	0.2343596	0.000667
cg26061674	chr7	Open Sea	0.65997083	0.894317039	0.2343462	0.00108
cg16132546	chr7	Open Sea	0.620803945	0.85490778	0.2341038	0.000213
cg03962846	chr7	Open Sea	0.635552629	0.869242368	0.2336897	0.000582
cg11738921	chr7	North Shore	0.463744851	0.696937815	0.233193	0.003414
cg02161503	chr7	North Shore	0.546675002	0.779628446	0.2329534	0.026135
cg03310594	chr7	North Shore	0.611303707	0.843888163	0.2325845	0.000906
cg06853230	chr7	Open Sea	0.603299099	0.835796208	0.2324971	0.024089
cg19237600	chr7	Open Sea	0.61716377	0.84914225	0.2319785	0.001469
cg01119452	chr7	Open Sea	0.232521138	0.464309282	0.2317881	0.005116
cg15066837	chr7	Open Sea	0.59702473	0.828779878	0.2317551	0.010684
cg00368924	chr7	North Shore	0.640828108	0.872466203	0.2316381	0.015721
cg08903389	chr7	Open Sea	0.68495339	0.916000361	0.231047	0.001537
cg05774699	chr7	Island	0.502667351	0.73357835	0.230911	0.042668
cg25570411	chr7	Open Sea	0.680938394	0.91119648	0.2302581	0.000886
cg15082875	chr7	North Shelf	0.538786454	0.768784367	0.2299979	0.00042
cg05243629	chr7	Open Sea	0.654261972	0.88412462	0.2298626	0.001309
cg16598668	chr7	Open Sea	0.676740078	0.906599247	0.2298592	4.62E-05
cg22308970	chr7	Open Sea	0.662608493	0.892035302	0.2294268	0.000106
cg12781086	chr7	Island	0.653125771	0.882490829	0.2293651	0.004362
cg16098921	chr7	Open Sea	0.638509346	0.867686156	0.2291768	0.040012
cg11611127	chr7	Open Sea	0.606518899	0.835405168	0.2288863	0.026927
cg08567182	chr7	Open Sea	0.62882954	0.856681123	0.2278516	0.026323
cg00252814	chr7	North Shore	0.60377487	0.83150601	0.2277311	0.002491
cg16810272	chr7	South Shore	0.503422982	0.731112338	0.2276894	0.003626
cg12556325	chr7	Open Sea	0.504739909	0.732345267	0.2276054	0.000177
cg09508476	chr7	South Shore	0.486150622	0.713287608	0.227137	0.03662
cg22433447	chr7	Open Sea	0.684769789	0.91185759	0.2270878	0.000921

cg00961325	chr7	Open Sea	0.596897422	0.823827306	0.2269299	0.001022
cg11202422	chr7	Open Sea	0.679023822	0.905948336	0.2269245	0.000279
cg09460345	chr7	Open Sea	0.589121469	0.816043282	0.2269218	0.01159
cg19260567	chr7	Open Sea	0.43252327	0.659416216	0.2268929	0.039494
cg24306397	chr7	Open Sea	0.566687379	0.793462865	0.2267755	0.034967
cg06902367	chr7	Open Sea	0.551508371	0.77824746	0.2267391	0.005215
cg04062190	chr7	North Shelf	0.302764468	0.528852863	0.2260884	0.013847
cg16910042	chr7	Open Sea	0.623650379	0.849256587	0.2256062	0.022593
cg02902770	chr7	South Shore	0.626489206	0.851913176	0.225424	0.021901
cg13102133	chr7	Open Sea	0.618570176	0.843888758	0.2253186	0.045737
cg23703687	chr7	Open Sea	0.539130253	0.76425966	0.2251294	0.001705
cg12187687	chr7	Island	0.646261589	0.871276222	0.2250146	0.010774
cg15743325	chr7	Open Sea	0.676067832	0.900991226	0.2249234	0.001252
cg14100398	chr7	Open Sea	0.597436238	0.822141102	0.2247049	0.001539
cg15874704	chr7	Open Sea	0.643262655	0.867862001	0.2245993	0.006476
cg25975382	chr7	Open Sea	0.582677363	0.806905713	0.2242284	0.000378
cg17447514	chr7	Open Sea	0.700645871	0.924522586	0.2238767	0.00396
cg22535084	chr7	South Shelf	0.638476294	0.86205539	0.2235791	0.026934
cg08792423	chr7	South Shore	0.674326612	0.897791976	0.2234654	0.000641
cg09434085	chr7	Island	0.625067535	0.848395971	0.2233284	0.000712
cg18971054	chr7	Open Sea	0.628745746	0.852053112	0.2233074	0.001018
cg16769489	chr7	North Shore	0.67738283	0.90048745	0.2231046	4.08E-05
cg07496621	chr7	Open Sea	0.523759625	0.746834309	0.2230747	0.022298
cg07138024	chr7	Open Sea	0.591989157	0.814663804	0.2226746	0.000241
cg21660861	chr7	Open Sea	0.697811316	0.920442516	0.2226312	0.000921
cg26321153	chr7	Open Sea	0.699564375	0.922139633	0.2225753	0.001444
cg23178546	chr7	Open Sea	0.631796091	0.853826073	0.22203	0.001965
cg14168009	chr7	Open Sea	0.579219541	0.801226487	0.2220069	7.47E-05
cg20265953	chr7	Open Sea	0.63900778	0.860746078	0.2217383	0.002082
cg10259619	chr7	Open Sea	0.625018704	0.846605134	0.2215864	0.001482
cg18871179	chr7	North Shelf	0.578876606	0.800410132	0.2215335	0.000171
cg09498134	chr7	North Shore	0.614331208	0.835714375	0.2213832	7.22E-05
cg16308148	chr7	Open Sea	0.686576813	0.90788291	0.2213061	0.000195
cg02066184	chr7	Open Sea	0.696484717	0.917737394	0.2212527	1.14E-05
cg24646841	chr7	Open Sea	0.664474053	0.885598823	0.2211248	0.00091
cg23112423	chr7	Open Sea	0.682084148	0.902441644	0.2203575	0.000254
cg04471202	chr7	Open Sea	0.639389007	0.859582458	0.2201935	0.011905
cg18684641	chr7	Open Sea	0.600839465	0.820916463	0.220077	0.004169
cg00308440	chr7	Open Sea	0.66237434	0.88226706	0.2198927	0.000403
cg15641398	chr7	South Shore	0.499001138	0.717934354	0.2189332	0.027648
cg25322489	chr7	North Shore	0.699427039	0.918295261	0.2188682	0.000852
cg18100008	chr7	North Shelf	0.617636786	0.836389522	0.2187527	0.032359
cg26800802	chr7	Open Sea	0.645015868	0.863644717	0.2186288	0.007711
cg09299053	chr7	Open Sea	0.650158783	0.868707036	0.2185483	0.000501
cg21063500	chr7	North Shore	0.43189066	0.650353739	0.2184631	0.000219
cg24624586	chr7	Open Sea	0.533670959	0.752102916	0.218432	0.023946
cg10471944	chr7	North Shore	0.60717683	0.825559165	0.2183823	0.014297
cg18944653	chr7	Open Sea	0.449730803	0.6679879	0.2182571	0.000978
cg22620803	chr7	Open Sea	0.643346017	0.861576207	0.2182302	0.01524
cg22648375	chr7	North Shelf	0.647113069	0.865072448	0.2179594	0.000412

cg04358834	chr7	Open Sea	0.704231431	0.922016114	0.2177847	0.000881
cg21546532	chr7	Open Sea	0.587893835	0.805665171	0.2177713	0.033649
cg20304988	chr7	South Shelf	0.66536571	0.883099856	0.2177341	0.000481
cg03170878	chr7	North Shore	0.651488648	0.868823674	0.217335	0.000695
cg21144589	chr7	South Shore	0.66454751	0.881874096	0.2173266	7.49E-06
cg22213057	chr7	South Shore	0.679216437	0.896445167	0.2172287	0.037812
cg19480385	chr7	Open Sea	0.377872901	0.594976808	0.2171039	0.001987
cg06527154	chr7	Open Sea	0.649870662	0.866157571	0.2162869	0.004669
cg26801037	chr7	Island	0.549905899	0.766101283	0.2161954	0.049843
cg18297044	chr7	Open Sea	0.501417399	0.717391036	0.2159736	0.005899
cg12297440	chr7	North Shore	0.644097134	0.859850406	0.2157533	0.025337
cg21643731	chr7	Open Sea	0.64117808	0.856714033	0.215536	0.000628
cg00830401	chr7	Open Sea	0.572203153	0.787732092	0.2155289	0.012643
cg25077137	chr7	South Shore	0.657609799	0.873056962	0.2154472	0.010981
cg02770061	chr7	Open Sea	0.672753779	0.887954092	0.2152003	0.012085
cg14691364	chr7	Open Sea	0.543631396	0.758781355	0.21515	0.034815
cg12144852	chr7	Island	0.689380327	0.904358072	0.2149777	0.001804
cg11364256	chr7	Island	0.687391561	0.902354391	0.2149628	0.000894
cg26554834	chr7	Open Sea	0.689423318	0.904383474	0.2149602	0.001533
cg03436967	chr7	Open Sea	0.658721607	0.87340201	0.2146804	0.010809
cg26756862	chr7	Open Sea	0.666734718	0.881353951	0.2146192	0.00559
cg01718785	chr7	North Shelf	0.701178995	0.915797213	0.2146182	0.000491
cg07762347	chr7	Open Sea	0.648187	0.862677939	0.2144909	0.005516
cg25969460	chr7	Open Sea	0.61500805	0.829461052	0.214453	0.004928
cg22586324	chr7	Open Sea	0.658034645	0.872368492	0.2143338	0.011829
cg22376214	chr7	South Shelf	0.624175905	0.838490839	0.2143149	0.001089
cg08151051	chr7	Open Sea	0.680690684	0.894930051	0.2142394	0.00145
cg06261500	chr7	Open Sea	0.672170062	0.886336624	0.2141666	0.000403
cg07927098	chr7	Open Sea	0.561647129	0.775744988	0.2140979	0.000388
cg06322983	chr7	North Shore	0.65853516	0.872574406	0.2140392	0.000486
cg19286989	chr7	Open Sea	0.558787931	0.772776715	0.2139888	0.006138
cg01643690	chr7	Open Sea	0.39998309	0.613824007	0.2138409	1.26E-05
cg05316785	chr7	North Shelf	0.356210752	0.569680718	0.21347	0.004091
cg19212465	chr7	Open Sea	0.589410805	0.802774775	0.213364	0.000116
cg08246366	chr7	South Shelf	0.660228369	0.873164554	0.2129362	0.002765
cg13124080	chr7	Open Sea	0.644045916	0.856977882	0.212932	0.019349
cg16697850	chr7	Open Sea	0.400550929	0.613449013	0.2128981	0.042916
cg14898611	chr7	Open Sea	0.681087987	0.893830533	0.2127425	0.008015
cg05794556	chr7	Open Sea	0.648991661	0.861637587	0.2126459	0.001218
cg04430775	chr7	South Shelf	0.506508802	0.718995663	0.2124869	3.83E-05
cg18023455	chr7	Open Sea	0.241752942	0.454094666	0.2123417	0.006749
cg05769086	chr7	Open Sea	0.649213582	0.861549217	0.2123356	0.000817
cg20497212	chr7	Open Sea	0.54663731	0.758802532	0.2121652	0.015459
cg00187120	chr7	North Shore	0.417502237	0.62936245	0.2118602	3.07E-06
cg11645318	chr7	South Shelf	0.695969289	0.907739597	0.2117703	0.000782
cg11522069	chr7	Open Sea	0.616155685	0.827919619	0.2117639	0.001004
cg06987246	chr7	North Shelf	0.58771761	0.799315072	0.2115975	0.041634
cg07670722	chr7	Open Sea	0.622529009	0.833982744	0.2114537	0.021318
cg18633471	chr7	Island	0.54916399	0.760534253	0.2113703	3.85E-05
cg11470337	chr7	Open Sea	0.626211657	0.837435867	0.2112242	0.000178

cg26639747	chr7	North Shelf	0.682025095	0.893027979	0.2110029	0.000323
cg26268565	chr7	Open Sea	0.623308365	0.834240205	0.2109318	0.005316
cg07037223	chr7	Island	0.673224601	0.8841447	0.2109201	3.08E-05
cg23862011	chr7	Open Sea	0.612482384	0.823297983	0.2108156	0.020636
cg04776860	chr7	Open Sea	0.712976034	0.923645874	0.2106698	0.002559
cg26277197	chr7	Open Sea	0.616911491	0.827418913	0.2105074	9.47E-05
cg10249542	chr7	Open Sea	0.618743456	0.829109058	0.2103656	0.030604
cg27096172	chr7	South Shore	0.528233164	0.738492941	0.2102598	0.002681
cg19761458	chr7	South Shore	0.669923898	0.880163609	0.2102397	1.12E-05
cg18119803	chr7	Open Sea	0.612977246	0.823142532	0.2101653	0.000531
cg00159289	chr7	North Shore	0.578941188	0.78890769	0.2099665	0.01416
cg19369262	chr7	Open Sea	0.666957449	0.876543799	0.2095863	0.006904
cg26389638	chr7	Open Sea	0.652184445	0.861724116	0.2095397	0.001297
cg13595211	chr7	Open Sea	0.635362279	0.844874252	0.209512	0.041022
cg23454797	chr7	Island	0.41423636	0.623550463	0.2093141	0.006969
cg18581663	chr7	Open Sea	0.666795801	0.875312744	0.2085169	0.001486
cg26945725	chr7	Open Sea	0.662142669	0.87064343	0.2085008	0.000141
cg21643217	chr7	Open Sea	0.659892143	0.868331455	0.2084393	0.003288
cg03276000	chr7	Open Sea	0.576844348	0.78506721	0.2082229	0.011829
cg11535869	chr7	Open Sea	0.611033077	0.819084078	0.208051	0.038754
cg16918529	chr7	Open Sea	0.67084794	0.87885673	0.2080088	0.011566
cg26102295	chr7	North Shore	0.596995609	0.804748863	0.2077533	0.02937
cg11715858	chr7	North Shore	0.44744133	0.654993122	0.2075518	0.000212
cg13877930	chr7	North Shore	0.523875541	0.731408532	0.207533	0.049147
cg14163049	chr7	Open Sea	0.378714442	0.586245152	0.2075307	0.000631
cg22054793	chr7	South Shelf	0.610093457	0.817160491	0.207067	0.008554
cg18850427	chr7	Open Sea	0.716158556	0.92306963	0.2069111	0.000333
cg21375490	chr7	South Shore	0.712593643	0.919282616	0.206689	0.000709
cg17006281	chr7	South Shelf	0.610783481	0.817368344	0.2065849	0.003496
cg11337742	chr7	North Shelf	0.713470174	0.919874349	0.2064042	0.005349
cg10860802	chr7	Open Sea	0.61444545	0.820249164	0.2058037	0.032727
cg15094119	chr7	Island	0.386418832	0.592157674	0.2057388	0.01447
cg13433644	chr7	Open Sea	0.727005313	0.932627225	0.2056219	0.000873
cg08599824	chr7	Open Sea	0.625159048	0.830771283	0.2056122	0.009384
cg23874775	chr7	Open Sea	0.650820938	0.85641348	0.2055925	0.010685
cg01314306	chr7	South Shelf	0.629580071	0.835064241	0.2054842	0.000126
cg12083122	chr7	South Shelf	0.689265316	0.894488964	0.2052236	0.00149
cg15899053	chr7	Open Sea	0.691704861	0.896403957	0.2046991	0.000736
cg06592333	chr7	Open Sea	0.699864849	0.904539945	0.2046751	0.001267
cg15652683	chr7	South Shore	0.520159674	0.724788952	0.2046293	0.033059
cg11969108	chr7	North Shelf	0.394090731	0.598672645	0.2045819	0.011513
cg01645995	chr7	Open Sea	0.641655384	0.84608665	0.2044313	0.010055
cg22584618	chr7	Island	0.126955102	0.33135473	0.2043996	3.32E-05
cg07120972	chr7	Open Sea	0.700081944	0.904025387	0.2039434	0.000344
cg23705098	chr7	South Shelf	0.209438857	0.413304461	0.2038656	0.011162
cg24300154	chr7	Open Sea	0.447868935	0.65166735	0.2037984	0.000383
cg10691109	chr7	Open Sea	0.30341594	0.507175493	0.2037596	0.013139
cg15443791	chr7	Open Sea	0.662659066	0.866199944	0.2035409	0.000388
cg05130081	chr7	Open Sea	0.480515436	0.683854146	0.2033387	0.007334
cg24294950	chr7	Open Sea	0.222341285	0.425544369	0.2032031	0.034628

cg14741855	chr7	Open Sea	0.702176575	0.905273974	0.2030974	0.001298
cg25805770	chr7	Open Sea	0.665748706	0.868567835	0.2028191	0.013389
cg10681483	chr7	Open Sea	0.599246657	0.80200896	0.2027623	0.047786
cg02014899	chr7	Open Sea	0.673706221	0.87639781	0.2026916	0.013032
cg22894276	chr7	North Shelf	0.514369951	0.716876459	0.2025065	0.019511
cg05947761	chr7	Open Sea	0.559502672	0.761899773	0.2023971	0.004341
cg00832650	chr7	South Shore	0.60039095	0.802781367	0.2023904	0.019608
cg21893387	chr7	Open Sea	0.746607395	0.948925632	0.2023182	0.000783
cg27586255	chr7	Open Sea	0.672963752	0.8750299	0.2020661	0.001123
cg02257708	chr7	North Shore	0.716408769	0.918353649	0.2019449	0.000119
cg19802368	chr7	Open Sea	0.650491465	0.85236439	0.2018729	0.000488
cg00771867	chr7	North Shore	0.506040271	0.707820982	0.2017807	0.002321
cg00913288	chr7	Open Sea	0.615354291	0.81652959	0.2011753	0.001026
cg00335591	chr7	Open Sea	0.633223486	0.834386825	0.2011633	0.006573
cg18222853	chr7	Open Sea	0.698887425	0.8997379	0.2008505	0.000833
cg26649851	chr7	Open Sea	0.706058291	0.906899267	0.200841	0.0003
cg08721187	chr7	North Shelf	0.715441146	0.916258464	0.2008173	0.000898
cg03012028	chr7	Open Sea	0.279086984	0.479681138	0.2005942	0.000548
cg04336894	chr7	Open Sea	0.709985428	0.910472882	0.2004875	0.000974
cg03221054	chr7	Open Sea	0.674199797	0.874566621	0.2003668	0.003195
cg02638567	chr7	Open Sea	0.725700092	0.925846221	0.2001461	0.000428
cg23298114	chr8	Open Sea	0.214911661	0.719115379	0.5042037	0.00264
cg22638105	chr8	Open Sea	0.409314988	0.865399256	0.4560843	7.92E-11
cg17511604	chr8	Open Sea	0.461331702	0.914493506	0.4531618	0.00066
cg20513418	chr8	South Shore	0.212894209	0.661331438	0.4484372	0.030853
cg19515398	chr8	Open Sea	0.418185643	0.846989636	0.428804	1.59E-08
cg27135989	chr8	South Shelf	0.444108949	0.864263065	0.4201541	0.000164
cg09631175	chr8	Open Sea	0.454230124	0.873856631	0.4196265	0.000129
cg11205610	chr8	Open Sea	0.469145009	0.877426475	0.4082815	0.001314
cg21755755	chr8	Open Sea	0.476965837	0.881376553	0.4044107	7.75E-07
cg11708223	chr8	Open Sea	0.52513944	0.929200566	0.4040611	5.51E-07
cg05778278	chr8	North Shore	0.442063029	0.845023083	0.4029601	0.006895
cg00131261	chr8	Open Sea	0.528854605	0.929731132	0.4008765	1.28E-07
cg22645961	chr8	Open Sea	0.516494483	0.91325547	0.396761	2.27E-06
cg17661135	chr8	Open Sea	0.342733252	0.733822019	0.3910888	6.26E-10
cg03762802	chr8	North Shelf	0.516806438	0.904673351	0.3878669	9.03E-09
cg26016985	chr8	Open Sea	0.527091288	0.914703323	0.387612	1.72E-08
cg01651915	chr8	Open Sea	0.135367297	0.521869889	0.3865026	0.015734
cg11592677	chr8	Open Sea	0.469926781	0.850763671	0.3808369	0.000128
cg11147251	chr8	Open Sea	0.539073538	0.918744929	0.3796714	5.01E-10
cg15707869	chr8	North Shore	0.513265077	0.892796706	0.3795316	0.001316
cg10121745	chr8	Open Sea	0.43694388	0.815763512	0.3788196	2.62E-09
cg22626985	chr8	Open Sea	0.484604719	0.860336232	0.3757315	1E-07
cg21328389	chr8	Open Sea	0.487151589	0.861275157	0.3741236	0.001006
cg05925503	chr8	Open Sea	0.505343597	0.879415158	0.3740716	0.000985
cg17891505	chr8	Open Sea	0.484397137	0.858359734	0.3739626	0.009846
cg27247689	chr8	North Shelf	0.38852615	0.761783944	0.3732578	0.000803
cg07236958	chr8	Open Sea	0.424552955	0.794689949	0.370137	0.004209
cg25882887	chr8	Open Sea	0.495267642	0.863421977	0.3681543	1.73E-06
cg04958191	chr8	South Shore	0.423221916	0.789790445	0.3665685	0.02359

cg20902975	chr8	North Shelf	0.327103991	0.693503116	0.3663991	0.000178
cg05965490	chr8	Open Sea	0.493162163	0.857812698	0.3646505	0.000596
cg23896695	chr8	Open Sea	0.478094293	0.84261688	0.3645226	0.044082
cg00736681	chr8	Open Sea	0.568553784	0.928505727	0.3599519	2.74E-06
cg20321319	chr8	South Shore	0.237828223	0.594951219	0.357123	8.37E-08
cg19033555	chr8	Open Sea	0.516970383	0.873235218	0.3562648	0.01639
cg08913523	chr8	Open Sea	0.102049938	0.455904789	0.3538549	0.013692
cg06103412	chr8	North Shelf	0.545697002	0.899060031	0.353363	7.03E-09
cg13447080	chr8	Open Sea	0.329303304	0.680148174	0.3508449	1.73E-05
cg17316966	chr8	Open Sea	0.446487175	0.795952151	0.349465	0.006052
cg07178994	chr8	Open Sea	0.251067429	0.599157721	0.3480903	0.000544
cg14001858	chr8	Open Sea	0.561023887	0.908679396	0.3476555	2.68E-08
cg25070442	chr8	Open Sea	0.495577503	0.842941536	0.347364	0.00018
cg00128482	chr8	Open Sea	0.386618113	0.733758744	0.3471406	0.002591
cg10700380	chr8	South Shore	0.555034097	0.89508968	0.3400556	1.04E-05
cg23296836	chr8	Open Sea	0.523320383	0.863219137	0.3398988	5.83E-07
cg17466952	chr8	Open Sea	0.58826248	0.925725837	0.3374634	2.21E-06
cg24861686	chr8	North Shelf	0.500306193	0.83514594	0.3348397	1.05E-06
cg27475652	chr8	South Shelf	0.448091628	0.781858177	0.3337665	9.23E-06
cg22872064	chr8	Open Sea	0.556456008	0.889385183	0.3329292	1.33E-05
cg07874755	chr8	Open Sea	0.439766775	0.770956922	0.3311901	0.022305
cg23560676	chr8	Open Sea	0.553327505	0.884165419	0.3308379	2.19E-06
cg26837853	chr8	Open Sea	0.44510781	0.774408315	0.3293005	2.5E-05
cg01025954	chr8	Open Sea	0.402376901	0.730189162	0.3278123	0.023772
cg11095122	chr8	Open Sea	0.543659553	0.870696124	0.3270366	6.53E-06
cg18187729	chr8	Open Sea	0.437622011	0.762711183	0.3250892	5.18E-05
cg18995876	chr8	Open Sea	0.580719702	0.905530678	0.324811	1.09E-07
cg07333231	chr8	Island	0.542130084	0.866597967	0.3244679	0.001567
cg16101118	chr8	South Shelf	0.562503002	0.88692629	0.3244233	0.000225
cg08462367	chr8	Open Sea	0.459417787	0.783157196	0.3237394	0.00396
cg25038773	chr8	Open Sea	0.475038855	0.796816145	0.3217773	0.0067
cg10419957	chr8	Open Sea	0.508631748	0.829937161	0.3213054	0.005291
cg07581623	chr8	Open Sea	0.485070708	0.806139257	0.3210685	3.27E-06
cg08123106	chr8	Open Sea	0.459562482	0.78000409	0.3204416	0.011179
cg00929345	chr8	North Shore	0.524247494	0.84454139	0.3202939	0.000303
cg27648556	chr8	Open Sea	0.517093138	0.83585036	0.3187572	0.000261
cg12042060	chr8	North Shelf	0.495895103	0.812591846	0.3166967	2.06E-05
cg24195359	chr8	Open Sea	0.536813551	0.853487563	0.316674	0.000969
cg04051278	chr8	Open Sea	0.582631306	0.898810167	0.3161789	1.77E-06
cg00887902	chr8	Open Sea	0.476335954	0.787225169	0.3108892	0.001936
cg20981106	chr8	Open Sea	0.597351701	0.907793039	0.3104413	2.74E-06
cg02399008	chr8	Open Sea	0.485803559	0.794239975	0.3084364	0.026568
cg11132469	chr8	South Shelf	0.502894823	0.810824428	0.3079296	0.003734
cg12637676	chr8	Open Sea	0.567366245	0.87472227	0.307356	0.001415
cg25494730	chr8	North Shore	0.555543124	0.862896101	0.307353	0.005296
cg10222925	chr8	North Shore	0.57773343	0.884711239	0.3069778	4.56E-06
cg15814218	chr8	North Shelf	0.608393384	0.914908102	0.3065147	3.82E-06
cg12897502	chr8	Open Sea	0.561462907	0.866345499	0.3048826	6.42E-08
cg06809074	chr8	Island	0.448649651	0.753343291	0.3046936	0.045543
cg23399286	chr8	Open Sea	0.429880662	0.734105344	0.3042247	0.009116

cg21594383	chr8	Open Sea	0.417166681	0.72043794	0.3032713	6.85E-05
cg12665059	chr8	Open Sea	0.5942434	0.89691966	0.3026763	7.47E-07
cg04851639	chr8	Open Sea	0.404900208	0.707307324	0.3024071	0.034626
cg09729387	chr8	Open Sea	0.46303159	0.764865709	0.3018341	0.000853
cg09763347	chr8	Open Sea	0.616812352	0.917981863	0.3011695	1.22E-05
cg15451642	chr8	Open Sea	0.608426782	0.909397899	0.3009711	2.33E-05
cg16417043	chr8	Open Sea	0.478405086	0.779096841	0.3006918	0.047208
cg20316883	chr8	Open Sea	0.500975576	0.799385662	0.2984101	0.016512
cg07169637	chr8	Open Sea	0.573920948	0.871090688	0.2971697	0.000307
cg03080147	chr8	North Shore	0.539190628	0.836273408	0.2970828	0.038204
cg07220366	chr8	Open Sea	0.531818277	0.826865083	0.2950468	0.000471
cg05415871	chr8	Open Sea	0.537671316	0.83231174	0.2946404	6.12E-05
cg24805985	chr8	South Shelf	0.586041271	0.880073008	0.2940317	3.2E-05
cg13456086	chr8	South Shore	0.379406223	0.673407819	0.2940016	2.3E-05
cg14968375	chr8	Open Sea	0.514313228	0.808133624	0.2938204	1.99E-05
cg03393350	chr8	Open Sea	0.59724852	0.890859891	0.2936114	0.002484
cg20543645	chr8	Open Sea	0.525488643	0.819054663	0.293566	0.011171
cg18117048	chr8	Open Sea	0.382402337	0.675670582	0.2932682	1.72E-05
cg08870893	chr8	North Shore	0.541475917	0.834505209	0.2930293	1.07E-05
cg25188238	chr8	Open Sea	0.574633504	0.867533329	0.2928998	0.002843
cg10765397	chr8	Open Sea	0.542765401	0.834744563	0.2919792	0.003372
cg19571015	chr8	Open Sea	0.583303709	0.874797697	0.291494	5.02E-06
cg22386073	chr8	Open Sea	0.474678128	0.766123996	0.2914459	0.027129
cg00573887	chr8	Open Sea	0.522753113	0.814104292	0.2913512	0.012535
cg25014026	chr8	Open Sea	0.321551365	0.612852863	0.2913015	0.043739
cg00045118	chr8	Open Sea	0.60622067	0.897424681	0.291204	0.018057
cg10761351	chr8	Open Sea	0.509938897	0.80062038	0.2906815	0.028895
cg11043092	chr8	Open Sea	0.619279133	0.909704441	0.2904253	6.29E-05
cg17057086	chr8	Open Sea	0.548940956	0.839088054	0.2901471	0.001215
cg14743346	chr8	North Shelf	0.553883627	0.843616304	0.2897327	0.000828
cg02711724	chr8	Open Sea	0.590384672	0.879513052	0.2891284	1.45E-06
cg26064870	chr8	Open Sea	0.608231499	0.89728033	0.2890488	0.000131
cg17939444	chr8	Open Sea	0.497383532	0.786409616	0.2890261	0.006921
cg12832282	chr8	Open Sea	0.57917495	0.867572563	0.2883976	0.013113
cg13252206	chr8	Open Sea	0.543788055	0.830834249	0.2870462	0.034163
cg09963024	chr8	North Shore	0.601625936	0.888600081	0.2869741	8.13E-05
cg20227326	chr8	Open Sea	0.640197149	0.927156724	0.2869596	1.56E-05
cg22660904	chr8	Open Sea	0.409576004	0.696303593	0.2867276	0.001967
cg25261151	chr8	South Shore	0.234500791	0.520758171	0.2862574	0.012061
cg08792272	chr8	Open Sea	0.414450556	0.700562128	0.2861116	0.018916
cg13176454	chr8	Open Sea	0.616294661	0.901930213	0.2856356	1.63E-05
cg08701816	chr8	South Shelf	0.577379648	0.861992304	0.2846127	0.002014
cg23913941	chr8	Open Sea	0.550784206	0.835057048	0.2842728	0.001569
cg14479709	chr8	South Shelf	0.456683801	0.740621163	0.2839374	1.5E-05
cg20309975	chr8	Island	0.5514821	0.835320182	0.2838381	0.00011
cg19589396	chr8	Open Sea	0.366517844	0.650069961	0.2835521	0.00237
cg19662554	chr8	North Shore	0.501391005	0.784701909	0.2833109	8.26E-05
cg13320538	chr8	South Shore	0.573908279	0.856268572	0.2823603	4.33E-05
cg25766801	chr8	Open Sea	0.631114058	0.912176142	0.2810621	6.87E-06
cg12255501	chr8	South Shelf	0.587178938	0.86764587	0.2804669	0.001316



cg18536819	chr8	Open Sea	0.636097068	0.916387125	0.2802901	1.02E-05
cg17082405	chr8	Open Sea	0.557431785	0.837296793	0.279865	0.001031
cg07506407	chr8	Open Sea	0.544076942	0.823648469	0.2795715	0.009994
cg20543651	chr8	Open Sea	0.347983978	0.626325171	0.2783412	1.93E-05
cg27269149	chr8	North Shore	0.537653157	0.81551814	0.277865	0.008661
cg23426156	chr8	Open Sea	0.544435005	0.821622914	0.2771879	1.58E-05
cg21757189	chr8	Open Sea	0.644736414	0.920664114	0.2759277	2.26E-05
cg26049390	chr8	Open Sea	0.55326046	0.828308505	0.275048	0.004078
cg01231009	chr8	Open Sea	0.581667653	0.855671847	0.2740042	1.17E-05
cg03028061	chr8	South Shore	0.334363936	0.608338532	0.2739746	0.000701
cg13457549	chr8	Island	0.561633602	0.83552716	0.2738936	0.00643
cg25876227	chr8	Open Sea	0.610481279	0.884039641	0.2735584	3.69E-05
cg01643997	chr8	Open Sea	0.657543894	0.930876519	0.2733326	3.97E-05
cg17015994	chr8	Open Sea	0.43750657	0.710664831	0.2731583	8.29E-06
cg00923934	chr8	Open Sea	0.446810571	0.719890027	0.2730795	0.029926
cg08587313	chr8	Open Sea	0.597541922	0.870431151	0.2728892	0.000128
cg03534326	chr8	Open Sea	0.486643495	0.759217222	0.2725737	1.76E-07
cg26228558	chr8	Open Sea	0.531353369	0.803910073	0.2725567	0.021838
cg11997853	chr8	South Shore	0.591012456	0.863447216	0.2724348	3.83E-07
cg03274800	chr8	Open Sea	0.632789417	0.905024641	0.2722352	3.61E-05
cg00406489	chr8	Open Sea	0.590122451	0.861714375	0.2715919	0.000416
cg04478080	chr8	Open Sea	0.424654004	0.696138471	0.2714845	1.86E-05
cg22688072	chr8	South Shelf	0.588586392	0.859622047	0.2710357	3.99E-05
cg20265951	chr8	Open Sea	0.64044942	0.910639383	0.27019	1.62E-05
cg12284098	chr8	Open Sea	0.572345488	0.842387516	0.270042	0.04135
cg12865818	chr8	Open Sea	0.622848106	0.892471368	0.2696233	3.09E-05
cg25624690	chr8	Open Sea	0.600184133	0.869751948	0.2695678	2.3E-05
cg16865396	chr8	Open Sea	0.495932947	0.764512225	0.2685793	0.001776
cg03955375	chr8	Open Sea	0.635562072	0.903834845	0.2682728	0.000178
cg17718074	chr8	North Shore	0.650401049	0.918521305	0.2681203	4.38E-05
cg24833737	chr8	South Shore	0.597810819	0.865271388	0.2674606	0.000317
cg22866754	chr8	North Shore	0.618625775	0.885961612	0.2673358	3.3E-05
cg24637974	chr8	South Shelf	0.666353283	0.933177989	0.2668247	0.000146
cg05746500	chr8	Open Sea	0.625640092	0.891590825	0.2659507	0.000247
cg23963995	chr8	Open Sea	0.659724194	0.925609806	0.2658856	8.4E-05
cg09692368	chr8	North Shore	0.606346228	0.872231264	0.265885	0.000207
cg06053347	chr8	North Shelf	0.592057025	0.85740582	0.2653488	0.003762
cg02675173	chr8	Open Sea	0.494910222	0.75986009	0.2649499	0.027743
cg03964343	chr8	Open Sea	0.645390918	0.910026668	0.2646358	6.57E-05
cg23755884	chr8	Open Sea	0.539845978	0.804086779	0.2642408	2.73E-05
cg04028606	chr8	North Shelf	0.628707482	0.89288487	0.2641774	0.000109
cg00022900	chr8	Open Sea	0.522356969	0.786475055	0.2641181	0.000603
cg00564524	chr8	North Shore	0.620025292	0.88396387	0.2639386	4.36E-05
cg17086686	chr8	North Shelf	0.653327135	0.916236697	0.2629096	3.03E-05
cg12484411	chr8	Open Sea	0.63788001	0.90072588	0.2628459	0.000175
cg11830605	chr8	Open Sea	0.512490194	0.774640159	0.26215	0.045306
cg21293455	chr8	Open Sea	0.635969133	0.897453061	0.2614839	0.00122
cg22917314	chr8	North Shore	0.593819225	0.855103006	0.2612838	0.019947
cg09857273	chr8	Open Sea	0.571392149	0.832230478	0.2608383	9.54E-05
cg04224786	chr8	Open Sea	0.349549098	0.609943649	0.2603946	4.15E-05

cg26898869	chr8	South Shelf	0.551202835	0.810104691	0.2589019	7.41E-06
cg05580991	chr8	Open Sea	0.508389716	0.766724387	0.2583347	0.003046
cg11324259	chr8	Open Sea	0.509509533	0.767615855	0.2581063	2.04E-05
cg23360101	chr8	Open Sea	0.444664878	0.702707783	0.2580429	0.030227
cg23559636	chr8	North Shelf	0.644908853	0.902767089	0.2578582	7.86E-06
cg08885179	chr8	Open Sea	0.591654832	0.84782558	0.2561707	0.002165
cg13077865	chr8	Open Sea	0.413478186	0.669499728	0.2560215	0.004274
cg12621745	chr8	North Shelf	0.575696517	0.831290445	0.2555939	0.004019
cg00008695	chr8	North Shore	0.606482088	0.861285065	0.254803	0.004704
cg10869265	chr8	Open Sea	0.673779805	0.928573231	0.2547934	0.000172
cg00202568	chr8	Open Sea	0.553069217	0.807853719	0.2547845	0.018746
cg14907066	chr8	North Shore	0.655279301	0.90951374	0.2542344	0.000214
cg00996588	chr8	North Shore	0.581714015	0.835945339	0.2542313	0.000177
cg11122451	chr8	Open Sea	0.666848964	0.921000233	0.2541513	0.000118
cg07703654	chr8	South Shore	0.45349993	0.706925292	0.2534254	0.038917
cg23043779	chr8	Open Sea	0.647906916	0.901237101	0.2533302	6.13E-05
cg27029018	chr8	Open Sea	0.662193516	0.915263988	0.2530705	0.000588
cg14700531	chr8	North Shelf	0.468009486	0.720172369	0.2521629	0.000632
cg26572865	chr8	Open Sea	0.626304797	0.878045781	0.251741	2.34E-05
cg00911881	chr8	North Shore	0.443872252	0.695200321	0.2513281	0.023849
cg14993167	chr8	Open Sea	0.672436499	0.923722423	0.2512859	8.04E-05
cg24050775	chr8	Open Sea	0.528174596	0.779364338	0.2511897	2.3E-06
cg03760919	chr8	Open Sea	0.628645993	0.879673268	0.2510273	0.000107
cg05366058	chr8	North Shore	0.463207584	0.713253291	0.2500457	0.043862
cg21904719	chr8	Open Sea	0.569617457	0.819463575	0.2498461	0.000266
cg03925970	chr8	Open Sea	0.585812971	0.835619411	0.2498064	0.000416
cg26321840	chr8	Open Sea	0.631637913	0.880888702	0.2492508	0.01535
cg02563011	chr8	Open Sea	0.535979011	0.784235037	0.248256	0.016126
cg18629583	chr8	North Shelf	0.599481302	0.847671105	0.2481898	0.008603
cg18533313	chr8	South Shore	0.634333073	0.882313997	0.2479809	0.000199
cg25368103	chr8	Open Sea	0.583473554	0.830818396	0.2473448	0.006935
cg06957003	chr8	North Shelf	0.459957707	0.707116538	0.2471588	2.95E-05
cg12243864	chr8	North Shelf	0.664459096	0.910693843	0.2462347	0.001465
cg27523780	chr8	South Shore	0.562467274	0.808621174	0.2461539	0.000595
cg02083214	chr8	Open Sea	0.593931653	0.840057291	0.2461256	0.002676
cg27649037	chr8	Open Sea	0.642544684	0.888601124	0.2460564	0.000493
cg24142603	chr8	Island	0.495294306	0.741201	0.2459067	9.36E-05
cg12636543	chr8	Open Sea	0.383997408	0.62921993	0.2452225	0.000275
cg10191240	chr8	Open Sea	0.10907769	0.35345967	0.244382	0.001078
cg22523679	chr8	Open Sea	0.535750307	0.778636188	0.2428859	0.000183
cg19085352	chr8	South Shelf	0.462292109	0.704922586	0.2426305	0.01051
cg21460403	chr8	Open Sea	0.63742435	0.880028401	0.2426041	0.003615
cg18585246	chr8	Open Sea	0.667256564	0.909497032	0.2422405	1.95E-05
cg27259731	chr8	South Shelf	0.675874178	0.917589464	0.2417153	0.000193
cg10603136	chr8	Open Sea	0.674009324	0.91563717	0.2416278	1.35E-05
cg02681842	chr8	Open Sea	0.503776064	0.745366457	0.2415904	0.000189
cg23353046	chr8	South Shelf	0.66338301	0.904682358	0.2412993	0.000262
cg05369766	chr8	Open Sea	0.628128929	0.86928245	0.2411535	0.004541
cg16442852	chr8	South Shelf	0.667470399	0.908563896	0.2410935	0.003157
cg24512303	chr8	Open Sea	0.598784442	0.839367655	0.2405832	0.047694

cg27596649	chr8	Open Sea	0.615241592	0.85559186	0.2403503	8.21E-05
cg19841740	chr8	Open Sea	0.645098794	0.885187739	0.2400889	0.000165
cg11351709	chr8	North Shelf	0.469417682	0.708764564	0.2393469	0.00145
cg12868707	chr8	North Shore	0.539053405	0.778149948	0.2390965	0.002742
cg22272100	chr8	Open Sea	0.632255998	0.870078057	0.2378221	5.97E-05
cg13687509	chr8	Open Sea	0.626136019	0.863549284	0.2374133	0.000921
cg11363234	chr8	North Shelf	0.593004109	0.829472541	0.2364684	0.0404
cg07292140	chr8	Open Sea	0.664367491	0.899679846	0.2353124	0.009393
cg20367258	chr8	North Shore	0.499830483	0.734046063	0.2342156	0.009307
cg14925067	chr8	South Shore	0.61217018	0.846330585	0.2341604	8.97E-05
cg18501230	chr8	North Shelf	0.441625098	0.675717931	0.2340928	0.002695
cg11118690	chr8	Open Sea	0.510463833	0.743497403	0.2330336	0.010273
cg21959619	chr8	North Shore	0.328380524	0.561231046	0.2328505	0.03257
cg08205099	chr8	Open Sea	0.678542807	0.91058067	0.2320379	0.001355
cg23343066	chr8	Open Sea	0.535098913	0.766810315	0.2317114	0.000727
cg00288736	chr8	South Shelf	0.614510815	0.845702663	0.2311918	0.000519
cg12718579	chr8	Open Sea	0.56734303	0.79851105	0.231168	0.005826
cg27617058	chr8	Open Sea	0.656002873	0.887067328	0.2310645	0.001815
cg14257773	chr8	Open Sea	0.695353014	0.925949103	0.2305961	0.000167
cg20559158	chr8	Open Sea	0.714148175	0.944481709	0.2303335	0.000449
cg26366616	chr8	South Shelf	0.502287923	0.732463481	0.2301756	0.033239
cg02149509	chr8	Open Sea	0.631710464	0.861800577	0.2300901	0.000922
cg16489468	chr8	Open Sea	0.536585108	0.766468341	0.2298832	0.030056
cg12300018	chr8	Open Sea	0.439029846	0.66857448	0.2295446	0.027361
cg23244463	chr8	Open Sea	0.658650441	0.887817556	0.2291671	0.002251
cg10307904	chr8	Open Sea	0.687898935	0.916819982	0.228921	0.000276
cg00602245	chr8	North Shelf	0.624340299	0.853143014	0.2288027	3.7E-05
cg12163365	chr8	Open Sea	0.553816925	0.782153923	0.228337	5.01E-05
cg10327067	chr8	North Shelf	0.292241577	0.520267999	0.2280264	0.016139
cg27241889	chr8	South Shore	0.335359257	0.563071001	0.2277117	0.036927
cg07862768	chr8	North Shore	0.575755796	0.803191391	0.2274356	0.014271
cg13822256	chr8	North Shore	0.459996745	0.687066489	0.2270697	0.02572
cg20860124	chr8	South Shore	0.665167903	0.891416847	0.2262489	0.00035
cg20188739	chr8	North Shelf	0.296139632	0.522327318	0.2261877	0.029271
cg07954324	chr8	Open Sea	0.32674128	0.552919758	0.2261785	0.011215
cg11265488	chr8	Open Sea	0.560504407	0.786054584	0.2255502	0.049873
cg26953954	chr8	Open Sea	0.538153803	0.763211893	0.2250581	0.027226
cg16371838	chr8	South Shelf	0.586073041	0.81098471	0.2249117	0.000173
cg23918610	chr8	Open Sea	0.706475753	0.931360937	0.2248852	7.14E-05
cg05847038	chr8	Open Sea	0.626646241	0.851241035	0.2245948	0.002563
cg13290785	chr8	South Shore	0.668407656	0.892984597	0.2245769	0.004303
cg14315805	chr8	South Shore	0.616872121	0.841268647	0.2243965	0.001796
cg09729274	chr8	Open Sea	0.477019519	0.701408011	0.2243885	0.000226
cg09433131	chr8	Open Sea	0.687342151	0.91109189	0.2237497	0.000252
cg17450190	chr8	Open Sea	0.64686708	0.870427213	0.2235601	0.001643
cg02932321	chr8	Open Sea	0.279771258	0.502926669	0.2231554	0.000284
cg09019592	chr8	South Shelf	0.536042926	0.759003484	0.2229606	0.003268
cg11823736	chr8	Open Sea	0.480802543	0.703572099	0.2227696	0.000739
cg23322851	chr8	Open Sea	0.614092632	0.836467973	0.2223753	0.000562
cg25597843	chr8	North Shelf	0.6572052	0.879506092	0.2223009	0.00034

cg07969668	chr8	Island	0.610610451	0.832369133	0.2217587	0.001951
cg00314368	chr8	Open Sea	0.652524463	0.873646427	0.221122	0.001671
cg22388347	chr8	Open Sea	0.588836622	0.809056965	0.2202203	0.000323
cg18510311	chr8	Open Sea	0.624100476	0.843819406	0.2197189	0.000708
cg15847600	chr8	Open Sea	0.561896574	0.781266491	0.2193699	0.029183
cg25877069	chr8	Open Sea	0.493744704	0.713010495	0.2192658	0.002672
cg21670708	chr8	North Shelf	0.580425438	0.799509884	0.2190844	0.000236
cg06182099	chr8	North Shore	0.658927802	0.876865751	0.2179379	0.000243
cg01607444	chr8	Open Sea	0.522559253	0.740244046	0.2176848	0.000674
cg07744289	chr8	Open Sea	0.699545732	0.91608568	0.2165399	0.00056
cg11385042	chr8	Open Sea	0.692797161	0.90881685	0.2160197	0.000722
cg12743031	chr8	Open Sea	0.369201502	0.585032495	0.215831	0.010423
cg13164141	chr8	Open Sea	0.620838992	0.836601834	0.2157628	0.00366
cg23248351	chr8	Open Sea	0.673431624	0.889163394	0.2157318	0.003697
cg04137490	chr8	Open Sea	0.618293746	0.833764485	0.2154707	0.0031
cg09145147	chr8	Open Sea	0.699688499	0.913245932	0.2135574	0.000494
cg11462459	chr8	Open Sea	0.689775782	0.903273422	0.2134976	0.000215
cg19925215	chr8	Open Sea	0.493923626	0.706733459	0.2128098	0.001007
cg18013056	chr8	Open Sea	0.557867039	0.769972968	0.2121059	0.001491
cg04927725	chr8	South Shore	0.374176151	0.585430455	0.2112543	0.007199
cg20593774	chr8	North Shore	0.642490812	0.853510132	0.2110193	0.000504
cg13406339	chr8	Open Sea	0.354795163	0.565481755	0.2106866	2.48E-05
cg04174124	chr8	North Shore	0.285810902	0.495922577	0.2101117	3.7E-05
cg07557612	chr8	Open Sea	0.55623383	0.766141929	0.2099081	0.006825
cg10136240	chr8	South Shore	0.677447887	0.887129358	0.2096815	0.036293
cg07739188	chr8	Open Sea	0.659220022	0.86858663	0.2093666	0.007184
cg03691530	chr8	Open Sea	0.628961973	0.837990401	0.2090284	0.033329
cg02980055	chr8	North Shore	0.55745358	0.765864617	0.208411	0.004042
cg00935717	chr8	Open Sea	0.399657125	0.60792191	0.2082648	0.047098
cg17212019	chr8	Open Sea	0.32063365	0.528427917	0.2077943	0.000404
cg10145533	chr8	Open Sea	0.679874592	0.887640301	0.2077657	0.005778
cg23321038	chr8	Open Sea	0.656215178	0.86394881	0.2077336	0.003537
cg06287665	chr8	Open Sea	0.697413482	0.904908905	0.2074954	0.000107
cg26793019	chr8	Open Sea	0.658848846	0.866192051	0.2073432	0.002096
cg07572435	chr8	Open Sea	0.649831594	0.857146571	0.207315	0.029845
cg16424196	chr8	Open Sea	0.551094404	0.757914618	0.2068202	0.004886
cg22526491	chr8	North Shelf	0.632041645	0.83807101	0.2060294	0.042053
cg07028950	chr8	Open Sea	0.552202838	0.758196619	0.2059938	0.002108
cg09529783	chr8	South Shore	0.69513866	0.901045706	0.205907	0.002618
cg00667680	chr8	Open Sea	0.687577419	0.893218377	0.205641	0.038859
cg20100987	chr8	Open Sea	0.451201555	0.656724891	0.2055233	0.000244
cg08225389	chr8	Open Sea	0.717078807	0.922561475	0.2054827	0.000842
cg21053362	chr8	Open Sea	0.489269447	0.694564732	0.2052953	0.003864
cg15654892	chr8	Open Sea	0.469434242	0.674457934	0.2050237	0.001664
cg20433580	chr8	Open Sea	0.659790232	0.864647107	0.2048569	0.000437
cg14639904	chr8	North Shelf	0.617463582	0.822281936	0.2048184	0.033659
cg13611636	chr8	North Shore	0.615704099	0.82024752	0.2045434	0.002033
cg08171336	chr8	South Shore	0.704084853	0.908280365	0.2041955	0.003731
cg04440283	chr8	Open Sea	0.439579106	0.643130533	0.2035514	0.011113
cg04104966	chr8	North Shelf	0.667996101	0.871414389	0.2034183	0.002615

cg18327276	chr8	Open Sea	0.594196576	0.797443629	0.2032471	0.048167
cg18719217	chr8	Island	0.690222705	0.893418424	0.2031957	0.000341
cg17164016	chr8	South Shelf	0.458897236	0.662067202	0.20317	0.008604
cg16151924	chr8	Open Sea	0.64584607	0.848731089	0.202885	0.017908
cg00374101	chr8	Open Sea	0.66387116	0.866620649	0.2027495	2.6E-05
cg21844893	chr8	Open Sea	0.701406513	0.903896918	0.2024904	0.002189
cg20814718	chr8	North Shore	0.508417585	0.710727904	0.2023103	0.019404
cg13708803	chr8	Open Sea	0.271800532	0.473766342	0.2019658	0.000148
cg05427488	chr8	Open Sea	0.665988489	0.867581332	0.2015928	0.003671
cg18196087	chr8	South Shore	0.693624755	0.895099498	0.2014747	0.000663
cg21880079	chr8	Open Sea	0.709745717	0.911194246	0.2014485	0.000175
cg23212642	chr8	Open Sea	0.685355903	0.886690076	0.2013342	0.030675
cg27376872	chr8	Open Sea	0.377189674	0.578366902	0.2011772	0.023026
cg12974832	chr8	Open Sea	0.733343543	0.934167264	0.2008237	0.000766
cg19866594	chr8	Open Sea	0.711473625	0.912131144	0.2006575	0.000575
cg17966488	chr8	Open Sea	0.674132137	0.874707545	0.2005754	0.00133
cg04852776	chr8	Open Sea	0.713658232	0.913813477	0.2001552	0.002938
cg08008088	chr8	Island	0.635373858	0.83542991	0.2000561	0.00199
cg18217048	chr8	Open Sea	0.41432231	0.614362653	0.2000403	0.000649
cg13698816	chr9	Open Sea	0.517569664	0.899827368	0.3822577	1.66E-08
cg13817518	chr9	Open Sea	0.477764569	0.850312361	0.3725478	0.030152
cg13591204	chr9	North Shelf	0.468765555	0.826470367	0.3577048	3.22E-06
cg07962315	chr9	South Shore	0.176903481	0.519944004	0.3430405	0.032755
cg21248989	chr9	North Shelf	0.413826979	0.753839496	0.3400125	9.05E-06
cg14557554	chr9	South Shore	0.569040646	0.883493045	0.3144524	6.37E-06
cg14294859	chr9	Open Sea	0.385959942	0.697791165	0.3118312	0.017632
cg14443041	chr9	Open Sea	0.616501789	0.925769972	0.3092682	1.04E-06
cg08950105	chr9	North Shore	0.565553095	0.874604684	0.3090516	1.27E-05
cg14285881	chr9	South Shelf	0.509580468	0.81063633	0.3010559	0.005336
cg13572911	chr9	North Shore	0.536726095	0.829148622	0.2924225	0.006775
cg01743846	chr9	North Shore	0.466615306	0.758541253	0.2919259	0.003908
cg13644626	chr9	South Shelf	0.519933767	0.806120433	0.2861867	0.002927
cg14397941	chr9	Open Sea	0.582630896	0.864384263	0.2817534	0.000351
cg14162011	chr9	Open Sea	0.561823913	0.839639479	0.2778156	0.000895
cg21170007	chr9	Open Sea	0.541634229	0.818455571	0.2768213	3.72E-07
cg13439595	chr9	Open Sea	0.626914622	0.899348485	0.2724339	0.000246
cg14118473	chr9	South Shelf	0.565593602	0.828471577	0.262878	3.11E-06
cg13870199	chr9	Open Sea	0.535026909	0.797041795	0.2620149	0.040992
cg13588599	chr9	North Shore	0.400527516	0.660212553	0.259685	0.002872
cg14246940	chr9	South Shore	0.51598516	0.770750803	0.2547656	0.000292
cg13511936	chr9	Open Sea	0.61401742	0.86776754	0.2537501	1.35E-05
cg06960941	chr9	North Shore	0.642334071	0.894533876	0.2521998	4.29E-06
cg14162627	chr9	South Shore	0.415605143	0.662311084	0.2467059	0.001684
cg14297444	chr9	North Shelf	0.432220765	0.677291851	0.2450711	4.7E-05
cg21230400	chr9	South Shelf	0.662738048	0.907642599	0.2449046	7.92E-06
cg13988611	chr9	Open Sea	0.664617211	0.908827521	0.2442103	0.000683
cg13840239	chr9	Open Sea	0.610547578	0.846782608	0.236235	0.039512
cg14567374	chr9	South Shore	0.536579053	0.772397513	0.2358185	2.33E-05
cg12800915	chr9	North Shore	0.588495573	0.824197156	0.2357016	0.038159
cg02011953	chr9	North Shore	0.419802844	0.654794749	0.2349919	0.013406

cg14335159	chr9	Open Sea	0.492408211	0.727143756	0.2347355	0.009278
cg13788625	chr9	North Shelf	0.509224433	0.73761725	0.2283928	0.007338
cg27443224	chr9	Open Sea	0.658704927	0.886543749	0.2278388	4.56E-06
cg13800802	chr9	Open Sea	0.589223016	0.816755773	0.2275328	0.0031
cg13751548	chr9	South Shelf	0.62343665	0.849506278	0.2260696	0.01379
cg14410557	chr9	Open Sea	0.435645762	0.661593846	0.2259481	8.72E-07
cg20403073	chr9	Open Sea	0.67052351	0.892856922	0.2223334	8.31E-05
cg26129108	chr9	North Shore	0.304266868	0.522416173	0.2181493	0.021073
cg21177940	chr9	South Shelf	0.697661598	0.914924587	0.217263	0.000471
cg13683194	chr9	Open Sea	0.674753582	0.891874676	0.2171211	0.000241
cg13449257	chr9	North Shore	0.672472855	0.889315517	0.2168427	0.013265
cg13517605	chr9	North Shore	0.704716138	0.921286478	0.2165703	0.001169
cg13493546	chr9	Open Sea	0.681491214	0.89783894	0.2163477	0.000173
cg14640244	chr9	South Shelf	0.301802637	0.517578944	0.2157763	0.010794
cg14532894	chr9	North Shore	0.387187045	0.602265299	0.2150783	1.19E-05
cg14086826	chr9	Open Sea	0.689966202	0.903358524	0.2133923	0.000324
cg13931531	chr9	South Shelf	0.671356225	0.884294505	0.2129383	0.00462
cg14022794	chr9	South Shelf	0.187908372	0.39674702	0.2088386	0.006565
cg21226938	chr9	Open Sea	0.612421553	0.820710352	0.2082888	0.009571
cg21237586	chr9	North Shelf	0.61936178	0.822690789	0.203329	0.000277