

ID	Chromosome	CGI.Relation	AVERAGE β -VALUE IN CHORDOMA	AVERAGE β -VALUE IN Controls	Delta β -value	FDR
cg05956608	chr1	Open Sea	0.651368032	0.062765454	-0.588603	6.47E-05
cg10055231	chr1	North Shelf	0.701823827	0.184109691	-0.517714	0.000205
cg17966560	chr1	North Shore	0.658032192	0.16460658	-0.493426	0.012894
cg24315421	chr1	North Shore	0.561444341	0.073487976	-0.487956	2.11E-09
cg22159815	chr1	Open Sea	0.725046911	0.246555406	-0.478492	0.001622
cg06829686	chr1	Island	0.573680038	0.103047706	-0.470632	1.6E-10
cg15731815	chr1	Island	0.548232246	0.080103101	-0.468129	2.93E-06
cg22851420	chr1	Island	0.539036884	0.082290468	-0.456746	0.000201
cg19250799	chr1	Island	0.503207091	0.060008489	-0.443199	2.48E-06
cg21937128	chr1	Open Sea	0.778169523	0.336928604	-0.441241	0.00347
cg13556548	chr1	South Shore	0.632234136	0.1985278	-0.433706	0.022597
cg20253872	chr1	South Shelf	0.664091196	0.231366145	-0.432725	0.037943
cg09317884	chr1	Island	0.557198472	0.126973209	-0.430225	0.004297
cg14181576	chr1	Island	0.506483984	0.07817242	-0.428312	6.71E-10
cg26363759	chr1	Open Sea	0.631029229	0.204696835	-0.426332	3.76E-05
cg12690996	chr1	North Shore	0.547249223	0.129691429	-0.417558	0.044553
cg09762021	chr1	Open Sea	0.490831642	0.074660721	-0.416171	7.55E-06
cg03499234	chr1	Island	0.466677007	0.052556694	-0.41412	6.73E-07
cg18188739	chr1	Open Sea	0.476770466	0.068151258	-0.408619	1.99E-08
cg00036347	chr1	North Shore	0.488847528	0.080619024	-0.408229	4.73E-07
cg10061129	chr1	Open Sea	0.61943762	0.212802431	-0.406635	3.43E-09
cg16318112	chr1	Island	0.472634388	0.068446018	-0.404188	4.86E-08
cg13448978	chr1	Island	0.567771446	0.163699437	-0.404072	1.1E-07
cg13472192	chr1	Island	0.481733034	0.078260857	-0.403472	0.000269
cg16922167	chr1	Island	0.756561173	0.356372197	-0.400189	0.038486
cg00085493	chr1	North Shore	0.532136112	0.132735263	-0.399401	0.005087
cg13727629	chr1	Island	0.436180047	0.038845783	-0.397334	3.9E-10
cg00030047	chr1	North Shore	0.609681645	0.213499359	-0.396182	0.017322
cg01373911	chr1	Island	0.435528808	0.039402346	-0.396126	1.48E-08
cg26011615	chr1	Open Sea	0.691425936	0.296175799	-0.39525	0.010134
cg16315417	chr1	Open Sea	0.458855537	0.063772636	-0.395083	3.18E-07
cg18398753	chr1	Open Sea	0.569389385	0.175982838	-0.393407	0.041322
cg17031727	chr1	North Shore	0.453944596	0.061244432	-0.3927	1.48E-08
cg13240017	chr1	North Shore	0.467368356	0.075370214	-0.391998	2.05E-07
cg02396224	chr1	Island	0.525070687	0.134050212	-0.39102	2.56E-07
cg06851000	chr1	South Shore	0.543594129	0.15939915	-0.384195	0.002473
cg18235937	chr1	Island	0.46703166	0.085682931	-0.381349	4E-05
cg16140253	chr1	South Shelf	0.59991419	0.220631983	-0.379282	6.99E-06
cg05387269	chr1	North Shelf	0.49228366	0.113833299	-0.37845	3.41E-05
cg09370867	chr1	Island	0.577308974	0.198924835	-0.378384	2.57E-09
cg13086983	chr1	Open Sea	0.49180076	0.118856481	-0.372944	0.000113
cg12628061	chr1	Open Sea	0.479813938	0.111081732	-0.368732	1.05E-06
cg11710659	chr1	Open Sea	0.511813362	0.144986649	-0.366827	0.006639
cg21405929	chr1	North Shore	0.884863543	0.518349964	-0.366514	0.021184
cg14164839	chr1	North Shelf	0.708249907	0.345319691	-0.36293	0.020085
cg10572465	chr1	Open Sea	0.507079427	0.145861595	-0.361218	0.000689
cg15840462	chr1	Island	0.44186271	0.08251933	-0.359343	6.01E-09
cg16394290	chr1	Island	0.431159378	0.073749783	-0.35741	3.32E-05

cg06952660	chr1	North Shore	0.446320726	0.090401324	-0.355919	4.91E-06
cg09248054	chr1	Island	0.429952051	0.074613389	-0.355339	4.72E-07
cg07830160	chr1	Open Sea	0.471149394	0.116277226	-0.354872	4.11E-05
cg25203980	chr1	North Shelf	0.911191197	0.558972967	-0.352218	0.025999
cg00962755	chr1	South Shore	0.677541029	0.325966228	-0.351575	3.1E-06
cg13480549	chr1	Open Sea	0.411115456	0.059676631	-0.351439	8.73E-07
cg14856606	chr1	Open Sea	0.419806071	0.073865081	-0.345941	9.99E-08
cg18947360	chr1	Open Sea	0.488677706	0.143805975	-0.344872	0.031221
cg03538430	chr1	Island	0.506776813	0.162452066	-0.344325	1.77E-08
cg13420364	chr1	Open Sea	0.429344755	0.087797008	-0.341548	0.000168
cg22339338	chr1	North Shelf	0.584862152	0.246089346	-0.338773	0.035974
cg25007705	chr1	Open Sea	0.58135295	0.242795693	-0.338557	3.32E-05
cg08548089	chr1	South Shelf	0.668561076	0.331016011	-0.337545	0.042024
cg03518729	chr1	Open Sea	0.462158493	0.125321679	-0.336837	0.000651
cg23217622	chr1	Island	0.397966348	0.062541539	-0.335425	4.62E-05
cg11400774	chr1	Island	0.369970025	0.035498244	-0.334472	2.96E-05
cg12526197	chr1	South Shore	0.823217777	0.489093316	-0.334124	0.012366
cg11187916	chr1	Open Sea	0.393791097	0.061831418	-0.33196	7.38E-09
cg12587954	chr1	South Shore	0.524024699	0.192070864	-0.331954	0.001128
cg25286333	chr1	Island	0.390499794	0.059280722	-0.331219	3.04E-08
cg07012484	chr1	Open Sea	0.475636436	0.145171342	-0.330465	0.034769
cg13502252	chr1	Open Sea	0.403641764	0.074003444	-0.329638	1.88E-05
cg08823182	chr1	Open Sea	0.666791645	0.340675218	-0.326116	0.002621
cg05001111	chr1	Open Sea	0.437654014	0.113831858	-0.323822	0.000504
cg17463745	chr1	South Shore	0.453827103	0.133263237	-0.320564	0.000251
cg05630111	chr1	South Shore	0.766956909	0.446765441	-0.320191	0.028853
cg09895325	chr1	North Shore	0.450745308	0.131330021	-0.319415	0.006346
cg06853894	chr1	Open Sea	0.462519674	0.143271436	-0.319248	0.026851
cg18433086	chr1	South Shore	0.489246239	0.174433518	-0.314813	0.029206
cg22627981	chr1	North Shore	0.421068502	0.106344236	-0.314724	0.001924
cg26558485	chr1	Island	0.387823824	0.073246866	-0.314577	5.35E-05
cg00112238	chr1	North Shelf	0.587230278	0.273459183	-0.313771	0.012884
cg15084543	chr1	Island	0.437517897	0.124088727	-0.313429	0.020173
cg16310095	chr1	Open Sea	0.524135449	0.212702766	-0.311433	0.024272
cg16516405	chr1	Open Sea	0.619377037	0.309184255	-0.310193	0.036371
cg22353551	chr1	North Shore	0.549700338	0.240116948	-0.309583	0.026128
cg06852461	chr1	Open Sea	0.39243516	0.084522199	-0.307913	1.7E-05
cg16368763	chr1	Island	0.421337768	0.114584042	-0.306754	2.57E-09
cg16312002	chr1	South Shore	0.420474275	0.114592081	-0.305882	0.000114
cg24864241	chr1	Open Sea	0.399436992	0.09381605	-0.305621	7.26E-05
cg02737619	chr1	Island	0.339936543	0.036480122	-0.303456	1.88E-05
cg20798574	chr1	South Shore	0.395911285	0.093270409	-0.302641	4.18E-05
cg17043722	chr1	Island	0.381882937	0.079254423	-0.302629	0.00016
cg00157638	chr1	Open Sea	0.442842723	0.140238362	-0.302604	0.009111
cg05637536	chr1	Island	0.384726263	0.084015531	-0.300711	4.96E-06
cg09858862	chr1	South Shore	0.520560443	0.219872753	-0.300688	0.002438
cg00546307	chr1	Open Sea	0.730936281	0.431287475	-0.299649	0.029147
cg12679760	chr1	Island	0.352123985	0.05320364	-0.29892	6.07E-07
cg14385738	chr1	Open Sea	0.346973021	0.048196452	-0.298777	1.73E-06
cg04717485	chr1	North Shelf	0.53220863	0.233756916	-0.298452	0.006099

cg01516372	chr1	Island	0.479511034	0.18107481	-0.298436	2.73E-05
cg08256939	chr1	Island	0.426466913	0.129518512	-0.296948	0.022234
cg14011070	chr1	North Shore	0.840842828	0.544423758	-0.296419	3.88E-13
cg15202353	chr1	Open Sea	0.868657465	0.575159007	-0.293498	6.73E-09
cg18235734	chr1	Island	0.342746601	0.049761189	-0.292985	6.12E-05
cg15199181	chr1	Open Sea	0.534716337	0.241762407	-0.292954	0.019537
cg00949753	chr1	North Shore	0.458933087	0.167216135	-0.291717	0.026774
cg16823064	chr1	North Shelf	0.896711297	0.605568965	-0.291142	0.006129
cg23092823	chr1	Island	0.347024801	0.056935726	-0.290089	1.14E-05
cg16532282	chr1	Island	0.414988204	0.125381369	-0.289607	0.023977
cg08539965	chr1	Open Sea	0.450642275	0.161096113	-0.289546	0.042844
cg08424184	chr1	South Shore	0.385399542	0.097178414	-0.288221	0.003493
cg13234110	chr1	North Shore	0.333312822	0.046675552	-0.286637	6.94E-07
cg13674174	chr1	Island	0.335292174	0.048841421	-0.286451	1.02E-05
cg23586659	chr1	Open Sea	0.861425954	0.575615396	-0.285811	0.035722
cg21297493	chr1	North Shore	0.473746704	0.188087698	-0.285659	0.002528
cg03422911	chr1	Island	0.415114229	0.130169746	-0.284944	0.003133
cg17799946	chr1	South Shore	0.353023907	0.068314777	-0.284709	6.29E-05
cg00644823	chr1	Island	0.398404584	0.115298567	-0.283106	3.55E-05
cg20825110	chr1	Open Sea	0.566545903	0.284086328	-0.28246	8.99E-06
cg19274341	chr1	Open Sea	0.661192026	0.379357817	-0.281834	1.82E-07
cg09896412	chr1	Island	0.317119328	0.035763516	-0.281356	3.45E-06
cg19746897	chr1	Open Sea	0.401491286	0.120299873	-0.281191	0.005038
cg25980637	chr1	Island	0.390956555	0.110042297	-0.280914	0.011589
cg03343063	chr1	Open Sea	0.371109161	0.090417265	-0.280692	0.000109
cg06849504	chr1	Island	0.399732768	0.120446263	-0.279287	0.000199
cg15043057	chr1	North Shore	0.411007372	0.132086322	-0.278921	2.45E-05
cg18279094	chr1	Island	0.323713038	0.045722764	-0.277799	4.63E-05
cg02993069	chr1	Island	0.360657584	0.082718791	-0.277939	0.000331
cg07114422	chr1	Open Sea	0.710752878	0.434237126	-0.276516	0.000226
cg24051554	chr1	Island	0.373742027	0.097825447	-0.275917	0.003127
cg00279406	chr1	Island	0.508213255	0.232820944	-0.275392	1.9E-06
cg06882842	chr1	South Shelf	0.654696445	0.379881233	-0.274815	6.53E-06
cg16359901	chr1	South Shore	0.37637308	0.101669447	-0.274704	1.04E-05
cg01396157	chr1	North Shore	0.439333185	0.165877174	-0.273456	0.039495
cg13209762	chr1	Open Sea	0.509354455	0.236223933	-0.273131	5.5E-07
cg02971581	chr1	Island	0.394645807	0.121782649	-0.272863	0.007194
cg00503383	chr1	Island	0.344848481	0.072750368	-0.272098	0.000556
cg10376286	chr1	North Shore	0.418295838	0.146692239	-0.271604	0.038037
cg21273275	chr1	Island	0.387771351	0.116829083	-0.270942	0.004037
cg11067964	chr1	Open Sea	0.76822146	0.497516449	-0.270705	0.006448
cg13457165	chr1	Island	0.398352945	0.128238072	-0.270115	0.000219
cg12065138	chr1	North Shore	0.347135613	0.07888636	-0.268249	0.001505
cg03216846	chr1	Island	0.362244474	0.094207082	-0.268037	0.001405
cg23619357	chr1	North Shore	0.363144445	0.095573112	-0.267571	0.000194
cg19404444	chr1	South Shelf	0.370007871	0.102670064	-0.267338	0.016622
cg00328724	chr1	North Shore	0.388676315	0.121549452	-0.267127	0.000269
cg09801607	chr1	North Shore	0.434039452	0.167107438	-0.266932	0.000261
cg08231710	chr1	Island	0.378706263	0.112257483	-0.266449	0.018604
cg24332710	chr1	North Shore	0.461872953	0.195701438	-0.266172	0.020101

cg11413763	chr1	Open Sea	0.864130818	0.59899785	-0.265133	5.98E-10
cg02658730	chr1	North Shore	0.551298816	0.286412528	-0.264886	0.0022
cg13385114	chr1	Open Sea	0.691610704	0.42717745	-0.264433	0.005145
cg11216632	chr1	North Shelf	0.401706365	0.137474724	-0.264232	4.09E-06
cg02951552	chr1	Island	0.297596373	0.033392514	-0.264204	6.86E-06
cg08024029	chr1	Island	0.341340814	0.077706651	-0.263634	3.98E-06
cg23028178	chr1	South Shore	0.766903334	0.505929398	-0.260974	0.004074
cg26015416	chr1	South Shore	0.331182901	0.070727238	-0.260456	0.000306
cg09871685	chr1	North Shore	0.328265762	0.067992205	-0.260274	0.000264
cg10096122	chr1	Open Sea	0.711422256	0.451199016	-0.260223	0.000255
cg16516400	chr1	South Shore	0.356475748	0.097022253	-0.259453	1.05E-05
cg11721610	chr1	Open Sea	0.373864752	0.114751052	-0.259114	0.002139
cg05814106	chr1	South Shelf	0.874146661	0.615256388	-0.25889	0.000944
cg20418507	chr1	Open Sea	0.874907195	0.617427832	-0.257479	0.01461
cg26407558	chr1	Open Sea	0.751443871	0.495041485	-0.256402	0.001943
cg21929761	chr1	North Shelf	0.676806891	0.420464263	-0.256343	0.007611
cg15897635	chr1	North Shelf	0.498077293	0.241784873	-0.256292	0.010492
cg22438763	chr1	Island	0.348785941	0.093052308	-0.255734	0.000761
cg00554413	chr1	Island	0.333847351	0.078295481	-0.255552	1.16E-05
cg16735509	chr1	North Shelf	0.58587624	0.330666804	-0.255209	0.000546
cg16266126	chr1	Open Sea	0.761959785	0.506892716	-0.255067	7.57E-06
cg00484358	chr1	Island	0.521480666	0.266546927	-0.254934	0.000944
cg00338002	chr1	North Shore	0.368375771	0.113807898	-0.254568	0.000115
cg11673291	chr1	Island	0.337141061	0.082743743	-0.254397	0.02229
cg01869896	chr1	North Shore	0.651316737	0.397438475	-0.253878	0.025856
cg09510180	chr1	Island	0.42123632	0.167723082	-0.253513	0.015557
cg19903196	chr1	Open Sea	0.657791854	0.404544531	-0.253247	0.004711
cg26160564	chr1	South Shelf	0.78993519	0.53815236	-0.251783	0.036559
cg17443359	chr1	North Shore	0.393998555	0.142290056	-0.251708	0.001176
cg25018801	chr1	South Shore	0.347924563	0.099725842	-0.248199	0.000847
cg23114616	chr1	South Shore	0.542958353	0.295034815	-0.247924	0.006251
cg02854937	chr1	Open Sea	0.37842354	0.130680973	-0.247743	0.021073
cg13579607	chr1	Open Sea	0.312464764	0.06500556	-0.247459	2.57E-05
cg16733203	chr1	Open Sea	0.670891708	0.424388849	-0.246503	0.008811
cg00433406	chr1	Open Sea	0.774905432	0.528684654	-0.246221	0.03716
cg00794400	chr1	Island	0.378081909	0.133028637	-0.245053	0.013728
cg20945221	chr1	Open Sea	0.727415182	0.484603973	-0.242811	0.000383
cg08638320	chr1	Island	0.465175232	0.222589196	-0.242586	0.004504
cg09068158	chr1	Island	0.428476904	0.186005418	-0.242471	0.00088
cg16120415	chr1	Open Sea	0.301568787	0.059444638	-0.242124	0.000911
cg27569174	chr1	Open Sea	0.83042384	0.58860006	-0.241824	0.018794
cg25217317	chr1	Island	0.373886342	0.133480367	-0.240406	0.0004
cg20415053	chr1	Open Sea	0.341857457	0.102369713	-0.239488	0.014181
cg20387429	chr1	North Shore	0.525668318	0.286354709	-0.239314	0.000431
cg27558693	chr1	Open Sea	0.271388465	0.032321605	-0.239067	1.95E-05
cg10945917	chr1	Open Sea	0.296467917	0.057726286	-0.238742	0.000102
cg26885488	chr1	Open Sea	0.399334048	0.161053674	-0.23828	1.21E-05
cg23024254	chr1	South Shelf	0.747490133	0.50925539	-0.238235	1.14E-05
cg04929703	chr1	North Shore	0.40675183	0.170830941	-0.235921	0.004537
cg04276058	chr1	Open Sea	0.386360728	0.150949016	-0.235412	0.003147

cg14378231	chr1	Open Sea	0.771135124	0.535829869	-0.235305	0.011032
cg22224597	chr1	Island	0.321843363	0.086603178	-0.23524	7.5E-05
cg05888252	chr1	Open Sea	0.850254014	0.615102649	-0.235151	0.002408
cg18866281	chr1	North Shelf	0.312883512	0.078148491	-0.234735	0.001867
cg23670372	chr1	Open Sea	0.742160951	0.508020331	-0.234141	0.019819
cg23054189	chr1	Island	0.269052097	0.034994339	-0.234058	0.00049
cg22434763	chr1	Island	0.661675489	0.428158661	-0.233517	1.34E-05
cg12434982	chr1	Island	0.678425598	0.445585595	-0.23284	0.000197
cg26422458	chr1	Island	0.294587445	0.062380791	-0.232207	2.82E-05
cg16549694	chr1	Open Sea	0.309552339	0.077723385	-0.231829	0.000744
cg06154570	chr1	South Shore	0.393141018	0.161583593	-0.231557	0.049508
cg00702647	chr1	Open Sea	0.27067087	0.039526488	-0.231144	0.001752
cg17077288	chr1	North Shore	0.321422493	0.090907598	-0.230515	2.05E-05
cg13529755	chr1	Island	0.311070338	0.080648365	-0.230422	0.000108
cg17327404	chr1	Open Sea	0.857623119	0.627351868	-0.230271	0.036174
cg12749132	chr1	Island	0.297239259	0.067036724	-0.230203	0.000222
cg13870102	chr1	Island	0.313147027	0.083735224	-0.229412	3.85E-05
cg00318756	chr1	North Shore	0.307821956	0.078767813	-0.229054	0.00016
cg10323725	chr1	Island	0.259506784	0.030670164	-0.228837	0.000113
cg02710296	chr1	Island	0.452244037	0.223407503	-0.228837	0.047098
cg20785674	chr1	South Shore	0.314059034	0.086310578	-0.227748	0.001914
cg01802640	chr1	Island	0.320611289	0.093182076	-0.227429	0.033504
cg17928286	chr1	Open Sea	0.407596023	0.180677485	-0.226919	0.001284
cg20970369	chr1	North Shelf	0.539424773	0.313917538	-0.225507	0.007991
cg07181257	chr1	South Shore	0.931426271	0.70691177	-0.224515	0.027371
cg00059459	chr1	Open Sea	0.38900358	0.164806649	-0.224197	0.000677
cg02431672	chr1	Island	0.300990854	0.076899782	-0.224091	0.00084
cg26093148	chr1	North Shelf	0.595429553	0.371746754	-0.223683	0.002266
cg24346905	chr1	Island	0.32797573	0.104713381	-0.223262	0.007033
cg07158747	chr1	South Shelf	0.379022287	0.156848114	-0.222174	0.032319
cg02584756	chr1	North Shore	0.323227678	0.101313992	-0.221914	0.000236
cg03731202	chr1	Open Sea	0.280895305	0.059670953	-0.221224	0.002794
cg27181349	chr1	Open Sea	0.292867445	0.07165855	-0.221209	0.008015
cg16552822	chr1	North Shelf	0.291824088	0.070768985	-0.221055	0.001508
cg16020346	chr1	Open Sea	0.525804586	0.305039821	-0.220765	0.017168
cg11965966	chr1	South Shelf	0.67859881	0.458522746	-0.220076	0.027933
cg18131548	chr1	North Shore	0.324956889	0.105952452	-0.219004	0.015944
cg15896892	chr1	South Shore	0.353023705	0.134693905	-0.21833	0.029753
cg07557690	chr1	South Shore	0.311089566	0.092969963	-0.21812	0.035121
cg04553810	chr1	Open Sea	0.264149948	0.046039261	-0.218111	0.001049
cg02898904	chr1	South Shelf	0.744039929	0.526258584	-0.217781	0.020921
cg06352803	chr1	North Shore	0.36433855	0.146956275	-0.217382	0.013792
cg21165064	chr1	North Shelf	0.24843313	0.031121268	-0.217312	2.21E-05
cg25192855	chr1	North Shore	0.330691202	0.113684757	-0.217006	0.001187
cg26048025	chr1	Island	0.544689275	0.327804772	-0.216885	0.002885
cg16400631	chr1	North Shore	0.327263419	0.110409306	-0.216854	0.000682
cg14271665	chr1	Island	0.27463686	0.057988574	-0.216648	0.000722
cg10717691	chr1	Open Sea	0.682644237	0.466060701	-0.216584	0.04254
cg27549944	chr1	Open Sea	0.331048091	0.11473644	-0.216312	0.00242
cg24080008	chr1	Open Sea	0.344407616	0.128143613	-0.216264	0.0021

cg01074657	chr1	North Shore	0.338645213	0.123013684	-0.215632	0.023773
cg09180564	chr1	Open Sea	0.299933727	0.084461259	-0.215472	0.005235
cg03893150	chr1	South Shore	0.359818663	0.14495471	-0.214864	0.015412
cg02202305	chr1	Island	0.318649144	0.104049719	-0.214599	0.002928
cg17045772	chr1	North Shore	0.890525448	0.676188797	-0.214337	0.040082
cg18645642	chr1	Open Sea	0.845292803	0.631182659	-0.21411	6.76E-05
cg09269866	chr1	Island	0.308830129	0.095049346	-0.213781	0.00017
cg14653136	chr1	North Shelf	0.287531881	0.074879086	-0.212653	9.26E-05
cg20707323	chr1	Island	0.324377437	0.111873816	-0.212504	0.000647
cg01729262	chr1	North Shore	0.612416922	0.399998609	-0.212418	6.48E-05
cg17491622	chr1	North Shore	0.27333098	0.061980883	-0.21135	0.000114
cg15986668	chr1	North Shore	0.58781221	0.377206227	-0.210606	3.55E-05
cg11659961	chr1	North Shore	0.251181249	0.041053314	-0.210128	0.001156
cg00352913	chr1	Open Sea	0.853521254	0.64346259	-0.210059	0.032473
cg18153869	chr1	Island	0.390117268	0.180149766	-0.209968	0.002425
cg27226320	chr1	North Shelf	0.267987695	0.058172402	-0.209815	0.001262
cg04296699	chr1	Island	0.299677348	0.09019845	-0.209479	0.016713
cg12639453	chr1	North Shelf	0.608717248	0.399292477	-0.209425	0.033362
cg19360104	chr1	Island	0.474369269	0.265151868	-0.209217	0.022438
cg08623787	chr1	Open Sea	0.306773541	0.097718311	-0.209055	0.000804
cg02493846	chr1	North Shore	0.358538499	0.149696115	-0.208842	0.006666
cg26435254	chr1	Open Sea	0.296100062	0.087390272	-0.20871	8.13E-06
cg00664416	chr1	South Shore	0.328304168	0.120435684	-0.207868	0.003334
cg24577933	chr1	Island	0.315089257	0.107321174	-0.207768	0.029286
cg13073141	chr1	South Shore	0.762060199	0.554424015	-0.207636	0.008163
cg17215278	chr1	South Shore	0.516648094	0.309029416	-0.207619	0.000244
cg08589721	chr1	North Shore	0.254696884	0.047164838	-0.207532	0.002269
cg00292669	chr1	South Shore	0.553374491	0.34662515	-0.206749	0.027007
cg09754272	chr1	Open Sea	0.266222007	0.059768732	-0.206453	0.000519
cg14663264	chr1	Island	0.400757226	0.194544439	-0.206213	0.000736
cg11857093	chr1	Open Sea	0.249472392	0.043350695	-0.206122	0.000264
cg05338187	chr1	North Shore	0.469442656	0.263378788	-0.206064	0.003096
cg26157385	chr1	Island	0.282972309	0.077066992	-0.205905	0.001588
cg05262549	chr1	Open Sea	0.666648958	0.460748634	-0.2059	0.018146
cg24596898	chr1	Island	0.276281505	0.070887839	-0.205394	0.001004
cg02363950	chr1	South Shore	0.295260572	0.08996955	-0.205291	0.00285
cg16021223	chr1	Open Sea	0.673508026	0.469024298	-0.204484	0.049295
cg13017614	chr1	North Shore	0.7098714	0.505437456	-0.204434	0.004817
cg10778636	chr1	North Shore	0.810032566	0.605901695	-0.204131	0.022199
cg07718444	chr1	South Shore	0.446153631	0.242521356	-0.203632	0.009897
cg17743381	chr1	Open Sea	0.47772689	0.274586054	-0.203141	0.028692
cg15676418	chr1	South Shore	0.292761996	0.08979582	-0.202966	0.000367
cg04977528	chr1	Open Sea	0.561997223	0.359433115	-0.202564	0.038968
cg16028753	chr1	North Shore	0.293827886	0.091792576	-0.202035	7.6E-05
cg13782884	chr1	Island	0.241293429	0.039327324	-0.201966	0.000819
cg14518596	chr1	South Shore	0.539082075	0.337243732	-0.201838	0.047139
cg23732845	chr1	Island	0.414965909	0.213173734	-0.201792	0.001133
cg24373253	chr1	North Shore	0.456683717	0.254933752	-0.20175	0.000725
cg20016673	chr1	Island	0.36743459	0.165769913	-0.201665	0.008246
cg11256802	chr1	Island	0.372810033	0.171636512	-0.201174	0.014188

cg18713316	chr1	Island	0.544612939	0.343446455	-0.201166	0.004436
cg13899718	chr1	Island	0.304003377	0.103000745	-0.201003	0.001003
cg07119434	chr1	North Shore	0.236529322	0.035640087	-0.200889	0.000432
cg17941572	chr1	Island	0.319197185	0.118381822	-0.200815	0.001274
cg01004056	chr1	North Shore	0.254263819	0.053502786	-0.200761	0.000712
cg07786675	chr1	Island	0.812652801	0.612023631	-0.200629	0.029113
cg07356745	chr10	Open Sea	0.673945188	0.150189558	-0.523756	0.003342
cg06850005	chr10	North Shore	0.562563389	0.108365415	-0.454198	0.000473
cg26605164	chr10	Island	0.551399021	0.112334464	-0.439065	0.011682
cg00244001	chr10	Open Sea	0.52981903	0.0951584	-0.434661	7.97E-06
cg03701930	chr10	Open Sea	0.591964036	0.160907818	-0.431056	4.73E-06
cg05194426	chr10	South Shore	0.574026718	0.152740902	-0.421286	0.000572
cg17481047	chr10	Island	0.552838535	0.155267105	-0.397571	0.001088
cg13269555	chr10	Island	0.553814356	0.165452577	-0.388362	0.005674
cg02185052	chr10	South Shore	0.503968626	0.118535487	-0.385433	0.000106
cg10158681	chr10	Open Sea	0.511122638	0.135240281	-0.375882	0.003007
cg09933190	chr10	South Shore	0.475016867	0.111016779	-0.364	0.002706
cg25065716	chr10	Open Sea	0.684882455	0.320948201	-0.363934	8.09E-09
cg07014438	chr10	South Shore	0.406270539	0.048727397	-0.357543	2.94E-07
cg04926193	chr10	Open Sea	0.49188627	0.137878924	-0.354007	0.000561
cg11426080	chr10	Open Sea	0.557407641	0.207194742	-0.350213	0.000822
cg10831642	chr10	Open Sea	0.714776389	0.369220401	-0.345556	0.013292
cg01309726	chr10	South Shelf	0.666365567	0.321861472	-0.344504	0.016193
cg07226162	chr10	South Shelf	0.479340801	0.137790877	-0.34155	6.32E-05
cg09216670	chr10	North Shelf	0.554377269	0.215550014	-0.338827	0.02279
cg14082061	chr10	Open Sea	0.588636087	0.250388811	-0.338247	1.83E-07
cg07637516	chr10	South Shelf	0.391513619	0.056527002	-0.334987	2.12E-06
cg11174855	chr10	Island	0.380624717	0.050966879	-0.329658	3.64E-06
cg03448754	chr10	Open Sea	0.624375063	0.297285801	-0.327089	0.003083
cg07451524	chr10	Island	0.521372382	0.197223482	-0.324149	0.000425
cg25756406	chr10	Island	0.64515981	0.325351953	-0.319808	1.09E-05
cg16484473	chr10	Open Sea	0.695007255	0.375355458	-0.319652	0.002948
cg17544177	chr10	Island	0.750513773	0.443791426	-0.306722	0.015055
cg26820037	chr10	North Shore	0.451061873	0.145248258	-0.305814	9E-06
cg17805624	chr10	Island	0.417037345	0.115664271	-0.301373	0.012171
cg11455642	chr10	Open Sea	0.431223124	0.130749634	-0.300473	0.000625
cg10119075	chr10	Open Sea	0.362735287	0.063256371	-0.299479	0.000174
cg00744431	chr10	Open Sea	0.655783673	0.356617526	-0.299166	0.002144
cg14320530	chr10	Island	0.433786498	0.137776647	-0.29601	0.016304
cg24435571	chr10	Open Sea	0.365006199	0.071238243	-0.293768	0.000115
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cg24831879	chr10	North Shore	0.877724436	0.59022636	-0.287498	0.048912
cg06513979	chr10	Open Sea	0.790048522	0.504854994	-0.285194	0.041915
cg15405515	chr10	Open Sea	0.59590041	0.312907186	-0.282993	0.000849
cg06075311	chr10	North Shore	0.352084779	0.069771593	-0.282313	0.01676
cg10258719	chr10	North Shore	0.502029167	0.226209537	-0.27582	0.018681
cg25164589	chr10	Open Sea	0.364167301	0.089789249	-0.274378	0.000442
cg15444831	chr10	Open Sea	0.737172204	0.463907807	-0.273264	0.000255
cg15254238	chr10	South Shore	0.525005863	0.252489515	-0.272516	4.81E-05
cg09958065	chr10	Open Sea	0.418503899	0.147872121	-0.270632	0.000525

cg17092956	chr10	Open Sea	0.450663377	0.187152657	-0.263511	0.023685
cg24539517	chr10	Open Sea	0.329491017	0.067361388	-0.26213	0.00092
cg26511108	chr10	South Shelf	0.382521167	0.12100657	-0.261515	0.041885
cg15616382	chr10	Island	0.310977257	0.050038099	-0.260939	3.55E-05
cg25672060	chr10	Open Sea	0.578717778	0.317998402	-0.260719	0.010562
cg02773436	chr10	Open Sea	0.636900492	0.377792713	-0.259108	5.66E-06
cg16005271	chr10	North Shore	0.424610703	0.167973506	-0.256637	0.003334
cg12060422	chr10	Island	0.332478233	0.079512319	-0.252966	0.001923
cg03541338	chr10	North Shore	0.289290214	0.037129056	-0.252161	3.58E-05
cg11736657	chr10	North Shore	0.813062046	0.561282089	-0.25178	0.001973
cg16063312	chr10	Island	0.380586789	0.131896316	-0.24869	0.001361
cg26067760	chr10	South Shelf	0.338295094	0.089653546	-0.248642	0.003524
cg03891590	chr10	North Shore	0.334266434	0.086373009	-0.247893	0.000601
cg19993680	chr10	Open Sea	0.752874772	0.506332237	-0.246543	0.019639
cg17766305	chr10	Open Sea	0.349202028	0.103099036	-0.246103	5.89E-07
cg15320596	chr10	Open Sea	0.756101383	0.511815236	-0.244286	0.031861
cg08815081	chr10	South Shore	0.344130378	0.101219055	-0.242911	0.005552
cg02449166	chr10	Open Sea	0.351775959	0.109086857	-0.242689	0.001408
cg27065896	chr10	Open Sea	0.690209667	0.447572756	-0.242637	0.013646
cg02989244	chr10	Open Sea	0.311692412	0.070202829	-0.24149	0.000143
cg14462779	chr10	Island	0.49447022	0.253277712	-0.241193	8.37E-06
cg12265908	chr10	Open Sea	0.855657726	0.614789688	-0.240868	2.93E-06
cg08423533	chr10	Island	0.375507523	0.136741132	-0.238766	0.004073
cg19914904	chr10	North Shore	0.675036051	0.437772773	-0.237263	6.76E-05
cg00690609	chr10	South Shore	0.334971453	0.098659458	-0.236312	0.001194
cg25024734	chr10	Open Sea	0.287969901	0.051752083	-0.236218	2.33E-05
cg04736112	chr10	Island	0.267492081	0.031811471	-0.235681	1.19E-05
cg01301803	chr10	North Shore	0.311806878	0.076154297	-0.235653	0.002899
cg14302224	chr10	North Shore	0.308858412	0.073985013	-0.234873	0.00451
cg16697438	chr10	Island	0.316599444	0.08203644	-0.234563	0.026639
cg17608529	chr10	Open Sea	0.692162644	0.45767915	-0.234483	0.036993
cg18440692	chr10	South Shelf	0.384949525	0.150735731	-0.234214	0.008191
cg03179435	chr10	Open Sea	0.301183459	0.068309634	-0.232874	0.004206
cg13933080	chr10	Island	0.413490147	0.182126125	-0.231364	7.43E-06
cg23223933	chr10	Island	0.576088729	0.34528399	-0.230805	0.031058
cg22962619	chr10	Open Sea	0.825967668	0.595520361	-0.230447	0.000569
cg13315147	chr10	Island	0.323121669	0.093596849	-0.229525	8.54E-05
cg14699146	chr10	Open Sea	0.798900495	0.571056966	-0.227844	0.040787
cg13905757	chr10	North Shore	0.410132521	0.183403429	-0.226729	0.00044
cg18659867	chr10	Open Sea	0.557012061	0.334491074	-0.22521	0.000176
cg26152017	chr10	Open Sea	0.335528427	0.113637623	-0.221891	0.040182
cg08539872	chr10	Open Sea	0.294933402	0.073751342	-0.221182	0.003063
cg05734675	chr10	Open Sea	0.292627733	0.071707136	-0.220921	0.000126
cg24002541	chr10	Open Sea	0.63765464	0.418242495	-0.219412	0.002122
cg04159420	chr10	South Shore	0.484971649	0.266848979	-0.218123	0.033975
cg27021181	chr10	North Shore	0.310486996	0.092743798	-0.217743	0.003359
cg03798045	chr10	Open Sea	0.532069165	0.314385041	-0.217684	0.006938
cg27511461	chr10	Open Sea	0.922939029	0.706850764	-0.216088	1.81E-09
cg16311536	chr10	Island	0.343637164	0.127737595	-0.2159	0.047048
cg08567142	chr10	Open Sea	0.313800104	0.098647856	-0.215152	0.004926

cg06550984	chr10	North Shore	0.288054916	0.074622348	-0.213433	0.001122
cg04492228	chr10	South Shore	0.556986043	0.343849831	-0.213136	0.009823
cg25104397	chr10	Open Sea	0.274594251	0.061458064	-0.213136	0.00077
cg12420900	chr10	Island	0.278109368	0.066932382	-0.211177	0.001694
cg22757362	chr10	North Shelf	0.344544763	0.133514994	-0.21103	5.19E-05
cg15203735	chr10	Open Sea	0.263319342	0.052401273	-0.210918	0.000981
cg09978996	chr10	South Shore	0.324952	0.11424255	-0.210709	0.000427
cg04837832	chr10	Island	0.289762997	0.080013879	-0.209749	0.000875
cg14824052	chr10	Open Sea	0.619651576	0.410571754	-0.20908	0.018211
cg11716598	chr10	Island	0.421092363	0.214292771	-0.2068	8.21E-06
cg04972745	chr10	Island	0.308375191	0.102002257	-0.206373	0.001398
cg19862769	chr10	Open Sea	0.70794922	0.502005809	-0.205943	0.008418
cg17915961	chr10	South Shore	0.31038807	0.10454678	-0.205841	0.019363
cg01512840	chr10	Open Sea	0.406758688	0.201075854	-0.205683	0.016387
cg02634414	chr10	North Shore	0.312675829	0.107798282	-0.204878	0.006515
cg11445109	chr10	South Shore	0.249038588	0.045166087	-0.203873	0.000147
cg23610453	chr10	Island	0.279428029	0.076343682	-0.203084	0.003227
cg02161900	chr10	South Shore	0.27360667	0.07072762	-0.202879	0.00012
cg10936879	chr10	Open Sea	0.287601312	0.085227052	-0.202374	0.002314
cg02689489	chr10	Island	0.300959289	0.098888312	-0.202071	0.009083
cg13912027	chr11	Open Sea	0.719143091	0.085289974	-0.633853	7.12E-05
cg13300301	chr11	South Shore	0.715851089	0.220988282	-0.494863	0.001072
cg08533336	chr11	Island	0.556123724	0.076481719	-0.479642	5.2E-05
cg02856190	chr11	South Shelf	0.705464963	0.231898378	-0.473567	0.020097
cg03983837	chr11	Open Sea	0.537495017	0.09199263	-0.445502	1.53E-11
cg11608884	chr11	Island	0.645755553	0.2136941	-0.432061	0.009911
cg14630206	chr11	North Shore	0.590413009	0.173299396	-0.417114	0.004082
cg02973171	chr11	Island	0.475371732	0.059382365	-0.415989	4E-07
cg19218057	chr11	Open Sea	0.493663936	0.081952953	-0.411711	7.55E-10
cg15579389	chr11	Open Sea	0.462272831	0.055952725	-0.40632	3.61E-12
cg06982473	chr11	Island	0.843316735	0.440312883	-0.403004	0.029108
cg03229682	chr11	North Shore	0.703651962	0.303387102	-0.400265	0.000124
cg05572370	chr11	Open Sea	0.47805207	0.083795963	-0.394256	0.000166
cg20545409	chr11	Open Sea	0.497867382	0.106700967	-0.391166	2.21E-05
cg14088196	chr11	Open Sea	0.621222168	0.231913603	-0.389309	0.000344
cg05550420	chr11	Open Sea	0.599188526	0.218647725	-0.380541	2.91E-06
cg08900384	chr11	Open Sea	0.69810843	0.322995286	-0.375113	3.64E-08
cg10904972	chr11	Island	0.404944252	0.033018264	-0.371926	4.27E-06
cg04216117	chr11	South Shore	0.550310382	0.178924068	-0.371386	0.025568
cg21770622	chr11	Open Sea	0.495338265	0.127696924	-0.367641	0.000824
cg02854536	chr11	South Shore	0.433912979	0.068691222	-0.365222	1.77E-07
cg11261850	chr11	Open Sea	0.610001353	0.245801601	-0.3642	0.042109
cg19138538	chr11	South Shelf	0.441302476	0.08128118	-0.360021	8.67E-06
cg06862136	chr11	Open Sea	0.492259201	0.139007273	-0.353252	0.00013
cg16029939	chr11	Island	0.502312042	0.149935381	-0.352377	6.52E-05
cg02845204	chr11	Open Sea	0.657109154	0.305976502	-0.351133	8.93E-08
cg01636184	chr11	South Shelf	0.609382639	0.26127119	-0.348111	0.003888
cg09048129	chr11	Island	0.445055296	0.100062113	-0.344993	7.77E-06
cg11775521	chr11	Island	0.431674366	0.089458076	-0.342216	3.31E-06
cg25774643	chr11	Island	0.408211708	0.066182556	-0.342029	0.000116

cg24769295	chr11	Island	0.902200746	0.563414245	-0.338787	0.017696
cg19624354	chr11	Open Sea	0.60663133	0.276827551	-0.329804	0.021394
cg10637688	chr11	North Shore	0.436439949	0.108144937	-0.328295	0.017832
cg05038268	chr11	Island	0.379806197	0.052025412	-0.327781	2.32E-06
cg01900413	chr11	Island	0.402896195	0.076274927	-0.326621	7.81E-07
cg26902557	chr11	Open Sea	0.482345115	0.156232139	-0.326113	0.025668
cg25538627	chr11	Island	0.374139166	0.049310991	-0.324828	7.98E-05
cg00519299	chr11	South Shelf	0.4745478	0.152606459	-0.321941	3.54E-05
cg25371036	chr11	North Shore	0.743175355	0.421932445	-0.321243	5.32E-09
cg19252931	chr11	Island	0.547138352	0.226104309	-0.321034	0.010694
cg08897150	chr11	North Shore	0.559951524	0.238934361	-0.321017	0.032309
cg04869854	chr11	North Shore	0.407300546	0.087829854	-0.319471	0.00033
cg11274172	chr11	Open Sea	0.593294212	0.275608334	-0.317686	0.004457
cg10353108	chr11	Island	0.342065612	0.024956969	-0.317109	1.02E-05
cg10336131	chr11	Island	0.466280807	0.150311391	-0.315969	0.017325
cg10689689	chr11	South Shore	0.833503927	0.518072007	-0.315432	0.036417
cg14020320	chr11	Open Sea	0.449708021	0.134643387	-0.315065	0.014116
cg21293464	chr11	Island	0.414443244	0.101306453	-0.313137	0.017474
cg02184673	chr11	Island	0.393688809	0.080581808	-0.313107	0.000116
cg18081375	chr11	Open Sea	0.571122402	0.259530088	-0.311592	1.85E-08
cg15958289	chr11	Open Sea	0.403436349	0.092772728	-0.310664	0.000776
cg14133945	chr11	Open Sea	0.433754344	0.123141071	-0.310613	0.000446
cg26130242	chr11	Open Sea	0.833788611	0.525169142	-0.308619	3.27E-12
cg14373018	chr11	Open Sea	0.433245242	0.13216793	-0.301077	0.000698
cg17627559	chr11	Open Sea	0.469470999	0.169116282	-0.300355	0.020653
cg20216139	chr11	Island	0.517772984	0.21866844	-0.299105	0.019117
cg19096475	chr11	Island	0.462359277	0.16425874	-0.298101	0.017813
cg01519094	chr11	North Shore	0.390305073	0.092240322	-0.298065	2.29E-06
cg26738987	chr11	South Shore	0.45426229	0.157309143	-0.296953	0.019524
cg15306794	chr11	Open Sea	0.806595998	0.513273861	-0.293322	0.002392
cg19320476	chr11	Island	0.337709137	0.046152605	-0.291557	0.000108
cg13806741	chr11	Island	0.588935198	0.298749176	-0.290186	0.032127
cg11420761	chr11	Open Sea	0.447111215	0.157145431	-0.289966	7.01E-05
cg18974921	chr11	South Shelf	0.410056831	0.120500983	-0.289556	0.000616
cg09607276	chr11	Island	0.3291954	0.042395048	-0.2868	1.22E-05
cg06710328	chr11	Open Sea	0.634613338	0.352242197	-0.282371	3.64E-05
cg07721852	chr11	Open Sea	0.354905457	0.074038723	-0.280867	2.86E-07
cg17566541	chr11	Open Sea	0.650105033	0.375669606	-0.274435	0.027327
cg02940147	chr11	South Shore	0.573100688	0.299298074	-0.273803	0.001016
cg05382956	chr11	Open Sea	0.347380552	0.073657544	-0.273723	1.85E-05
cg27142536	chr11	Island	0.367622516	0.096741516	-0.270881	5.74E-05
cg21992250	chr11	Island	0.475171571	0.206704616	-0.268467	0.036642
cg26489413	chr11	Open Sea	0.470012991	0.202631224	-0.267382	0.026615
cg10313947	chr11	Open Sea	0.472567841	0.205703573	-0.266864	2.04E-05
cg13077745	chr11	South Shelf	0.575084015	0.308794782	-0.266289	3.94E-05
cg10575846	chr11	South Shelf	0.931948765	0.667048861	-0.2649	0.002947
cg23600701	chr11	North Shore	0.425349855	0.161571797	-0.263778	0.044258
cg24953078	chr11	Open Sea	0.434098131	0.171930586	-0.262168	0.010906
cg25909064	chr11	South Shore	0.703237233	0.442730175	-0.260507	0.02664
cg27092752	chr11	Island	0.297795409	0.037357102	-0.260438	0.000138

cg12940747	chr11	Open Sea	0.318054198	0.057669826	-0.260384	8.61E-05
cg15887459	chr11	Island	0.555123921	0.295558625	-0.259565	0.000188
cg03826976	chr11	Island	0.412041618	0.153293953	-0.258748	0.000393
cg07977202	chr11	North Shore	0.641857613	0.383376119	-0.258481	0.020684
cg20621200	chr11	Island	0.364944299	0.106935058	-0.258009	1.94E-05
cg07121644	chr11	Open Sea	0.474031618	0.21691741	-0.257114	0.049951
cg02780017	chr11	Open Sea	0.51438792	0.25812709	-0.256261	0.044373
cg17526229	chr11	Island	0.403084155	0.147754349	-0.25533	0.000657
cg07345999	chr11	Island	0.622168918	0.368684999	-0.253484	0.041006
cg11886358	chr11	North Shore	0.81093138	0.558450123	-0.252481	0.000668
cg09242181	chr11	South Shore	0.352754879	0.100337019	-0.252418	0.001494
cg14547895	chr11	South Shore	0.503592157	0.254075096	-0.249517	0.003265
cg16404106	chr11	North Shore	0.36243788	0.115096465	-0.247341	0.045265
cg26335578	chr11	Open Sea	0.593247693	0.346889923	-0.246358	3.61E-08
cg15243034	chr11	Island	0.604523871	0.360223194	-0.244301	0.005677
cg19505827	chr11	Open Sea	0.284116131	0.040839694	-0.243276	1.37E-06
cg12536891	chr11	Open Sea	0.565462068	0.322823394	-0.242639	0.006464
cg13055001	chr11	South Shore	0.296378582	0.054431264	-0.241947	8.38E-06
cg13505393	chr11	North Shelf	0.416891885	0.175587737	-0.241304	0.020545
cg21080921	chr11	Open Sea	0.354862537	0.114193097	-0.240669	0.000146
cg07934552	chr11	Island	0.570344463	0.329781555	-0.240563	0.000564
cg06699519	chr11	Island	0.311459123	0.071748364	-0.239711	0.000286
cg03565674	chr11	Open Sea	0.792014602	0.552599147	-0.239415	0.007117
cg15594471	chr11	Island	0.335556	0.096784344	-0.238772	0.008276
cg07805777	chr11	Island	0.398760922	0.160631905	-0.238129	0.024996
cg25251204	chr11	Island	0.392379567	0.155203512	-0.237176	0.004034
cg23817893	chr11	Island	0.326150602	0.091801217	-0.234349	0.000427
cg20471017	chr11	Open Sea	0.532596565	0.29837334	-0.234223	0.003246
cg13234062	chr11	South Shore	0.337930016	0.105185114	-0.232745	0.000412
cg01314044	chr11	South Shore	0.324540674	0.092424031	-0.232117	0.000464
cg17058475	chr11	North Shore	0.297174129	0.065087481	-0.232087	0.000724
cg17542408	chr11	Island	0.370254535	0.138686463	-0.231568	0.019018
cg04142864	chr11	Island	0.27671243	0.046689333	-0.230023	0.004091
cg00005619	chr11	North Shelf	0.839321577	0.611973173	-0.227348	0.017136
cg10838469	chr11	Open Sea	0.742842293	0.515616784	-0.227226	0.030859
cg16763885	chr11	Open Sea	0.313467516	0.087544475	-0.225923	0.000413
cg03238359	chr11	South Shelf	0.293872713	0.068675927	-0.225197	0.000387
cg07220293	chr11	Open Sea	0.31708518	0.09194859	-0.225137	0.000856
cg07710883	chr11	Island	0.739250887	0.514172194	-0.225079	0.041202
cg18121003	chr11	Island	0.311093605	0.086353098	-0.224741	0.003124
cg01599099	chr11	Open Sea	0.745538628	0.521307004	-0.224232	0.024573
cg15842276	chr11	North Shore	0.386002813	0.164320923	-0.221682	0.018669
cg00472277	chr11	Open Sea	0.321460152	0.100415074	-0.221045	0.004052
cg22096687	chr11	South Shore	0.330758966	0.111121643	-0.219637	0.001582
cg02928699	chr11	Island	0.337017129	0.117971948	-0.219045	0.01931
cg15992347	chr11	North Shore	0.301772756	0.08408683	-0.217686	0.027171
cg27431671	chr11	Open Sea	0.740764702	0.523971877	-0.216793	0.00106
cg22224704	chr11	South Shore	0.358480765	0.141950091	-0.216531	0.021866
cg03155301	chr11	Open Sea	0.72387416	0.507802383	-0.216072	0.042212
cg01097384	chr11	Island	0.343684484	0.128206226	-0.215478	4.12E-05

cg24126592	chr11	Island	0.267726933	0.052293476	-0.215433	4.71E-05
cg23240927	chr11	South Shelf	0.321538157	0.107344711	-0.214193	0.011474
cg04069951	chr11	Island	0.366913808	0.153824166	-0.21309	0.00145
cg21083175	chr11	North Shore	0.793770101	0.581341461	-0.212429	7.21E-05
cg18152523	chr11	North Shore	0.304437011	0.092094367	-0.212343	0.002111
cg21544931	chr11	Open Sea	0.344247876	0.134563997	-0.209684	0.005257
cg26827247	chr11	North Shore	0.309113649	0.09945358	-0.20966	0.005658
cg04907084	chr11	Open Sea	0.71435904	0.504786658	-0.209572	0.000386
cg19120389	chr11	Open Sea	0.412973478	0.204067998	-0.208905	0.018532
cg25787499	chr11	North Shore	0.28120427	0.072503232	-0.208701	0.003313
cg15622352	chr11	Open Sea	0.706783527	0.500595777	-0.206188	1.25E-05
cg22910449	chr11	Island	0.346061042	0.140683944	-0.205377	0.002046
cg10395685	chr11	Island	0.240016427	0.034895256	-0.205121	0.001619
cg08843492	chr11	North Shelf	0.326340333	0.121455761	-0.204885	1.2E-05
cg22166739	chr11	South Shore	0.277079078	0.073703473	-0.203376	0.014879
cg25948980	chr11	North Shore	0.255521392	0.052338277	-0.203183	0.000606
cg05989862	chr11	South Shore	0.327125717	0.125200666	-0.201925	0.041823
cg20406267	chr11	North Shore	0.276973938	0.076800371	-0.200174	2.82E-05
cg20181887	chr12	North Shore	0.722074113	0.161152661	-0.560921	0.01065
cg26416887	chr12	Open Sea	0.58648471	0.089136135	-0.497349	2.46E-05
cg19897003	chr12	Island	0.536307739	0.047843497	-0.488464	2.27E-09
cg20166714	chr12	Island	0.542808401	0.063831294	-0.478977	8.96E-10
cg11265839	chr12	South Shelf	0.687556214	0.216454163	-0.471102	6.76E-08
cg17322044	chr12	Open Sea	0.642194735	0.176638237	-0.465556	0.040083
cg03669590	chr12	Island	0.514006779	0.053791	-0.460216	3.06E-09
cg27127017	chr12	Island	0.469627461	0.037753323	-0.431874	6.12E-10
cg24834394	chr12	Open Sea	0.568638321	0.137594257	-0.431044	0.02207
cg09002919	chr12	Open Sea	0.608669538	0.180936648	-0.427733	9.05E-06
cg11050793	chr12	South Shelf	0.628728626	0.207123725	-0.421605	0.012259
cg06647068	chr12	South Shore	0.56229726	0.154293572	-0.408004	9.07E-06
cg09825309	chr12	Open Sea	0.474363985	0.07370691	-0.400657	5E-08
cg18705931	chr12	Island	0.596051663	0.198107275	-0.397944	0.00021
cg13581015	chr12	North Shore	0.570987708	0.174026476	-0.396961	0.000272
cg07687131	chr12	South Shore	0.500869412	0.109979201	-0.39089	7.36E-06
cg06611426	chr12	South Shelf	0.636022428	0.248624069	-0.387398	0.01413
cg16618104	chr12	South Shore	0.460950063	0.081788473	-0.379162	2.02E-05
cg25630910	chr12	North Shore	0.410325646	0.037538246	-0.372787	8.94E-08
cg00756032	chr12	Island	0.442820272	0.077269779	-0.36555	5.41E-07
cg04947907	chr12	Open Sea	0.440232046	0.077735427	-0.362497	2.72E-06
cg14952949	chr12	North Shore	0.426017314	0.069831808	-0.356186	9.53E-05
cg11090202	chr12	North Shore	0.508017898	0.153286651	-0.354731	2.33E-07
cg06734406	chr12	Island	0.51901516	0.164339123	-0.354676	0.002097
cg16642299	chr12	Open Sea	0.449781553	0.103491509	-0.34629	3.32E-05
cg12232388	chr12	North Shore	0.494679075	0.148461828	-0.346217	0.006049
cg02351381	chr12	Open Sea	0.491507749	0.145890783	-0.345617	0.026475
cg19034038	chr12	North Shore	0.415296815	0.070454986	-0.344842	4.3E-06
cg06864895	chr12	South Shore	0.459972484	0.117510729	-0.342462	6.29E-05
cg08693490	chr12	Open Sea	0.439772871	0.098532395	-0.34124	0.000626
cg17570948	chr12	Island	0.695890623	0.355998619	-0.339892	0.010428
cg15279308	chr12	Island	0.459435613	0.119852632	-0.339583	0.000674

cg14844236	chr12	North Shore	0.647865062	0.308663075	-0.339202	0.004138
cg14242936	chr12	South Shelf	0.61271434	0.274117237	-0.338597	0.006186
cg19697239	chr12	Island	0.369232326	0.037430214	-0.331802	4.94E-06
cg22344727	chr12	Island	0.391020844	0.059626981	-0.331394	1.74E-06
cg03507641	chr12	Open Sea	0.42488763	0.096148143	-0.328739	7.49E-06
cg05361096	chr12	Island	0.551572031	0.227491702	-0.32408	0.01367
cg27188703	chr12	Island	0.365701575	0.042536644	-0.323165	1.17E-05
cg09049251	chr12	North Shore	0.473703218	0.150663491	-0.32304	5.84E-07
cg04046364	chr12	Open Sea	0.566999913	0.245463699	-0.321536	0.018471
cg19554257	chr12	Open Sea	0.519510818	0.199205693	-0.320305	0.019456
cg26328335	chr12	Island	0.462406751	0.143367962	-0.319039	0.000391
cg05981335	chr12	Island	0.419509235	0.101292996	-0.318216	6.84E-06
cg08975803	chr12	Island	0.413612574	0.100344893	-0.313268	3.12E-06
cg18810681	chr12	Open Sea	0.527656363	0.214671791	-0.312985	1.03E-05
cg22171539	chr12	North Shelf	0.397158094	0.084717751	-0.31244	1.84E-05
cg23702046	chr12	Open Sea	0.736638015	0.425176998	-0.311461	0.001683
cg01918001	chr12	Open Sea	0.810409957	0.499291162	-0.311119	0.002923
cg25136495	chr12	Island	0.382391315	0.073460176	-0.308931	0.013991
cg11220161	chr12	South Shore	0.589316222	0.28219625	-0.30712	8.15E-05
cg07161429	chr12	Open Sea	0.607946979	0.304714541	-0.303232	0.020699
cg15959252	chr12	South Shore	0.456817787	0.15501713	-0.301801	2.7E-05
cg05581469	chr12	South Shore	0.406962539	0.10741553	-0.299547	0.004367
cg26874693	chr12	Open Sea	0.362219732	0.062914425	-0.299305	8.95E-07
cg19872463	chr12	North Shore	0.464763905	0.167699094	-0.297065	0.026287
cg09093210	chr12	Island	0.538317553	0.242428576	-0.295889	0.001449
cg27659049	chr12	Island	0.357346233	0.061706075	-0.29564	5.74E-07
cg07967679	chr12	Island	0.458417653	0.164336122	-0.294082	5.46E-05
cg06930722	chr12	Open Sea	0.422145441	0.129783069	-0.292362	0.049849
cg13899814	chr12	Island	0.863005888	0.572822115	-0.290184	0.030185
cg04850731	chr12	Island	0.569949211	0.282372916	-0.287576	0.028782
cg02697094	chr12	South Shore	0.429040886	0.142608909	-0.286432	6.62E-05
cg23855989	chr12	Island	0.429329721	0.144032506	-0.285297	0.025549
cg02265721	chr12	Open Sea	0.642863642	0.361065131	-0.281799	0.022905
cg10621809	chr12	Open Sea	0.703436915	0.422371286	-0.281066	0.043674
cg02695343	chr12	North Shore	0.472379264	0.192195038	-0.280184	0.029322
cg25898092	chr12	South Shore	0.365567399	0.085417645	-0.28015	7.79E-06
cg24637035	chr12	Open Sea	0.537594383	0.260025959	-0.277568	8.55E-05
cg02585702	chr12	North Shore	0.36444637	0.08691371	-0.277533	0.000761
cg17173975	chr12	Open Sea	0.426279736	0.148822113	-0.277458	0.001605
cg18948199	chr12	Open Sea	0.44038837	0.163160101	-0.277228	0.01222
cg10253371	chr12	South Shore	0.346833687	0.069875432	-0.276958	0.000833
cg19601035	chr12	North Shore	0.353959576	0.079219073	-0.274741	0.000264
cg04381888	chr12	Open Sea	0.541021851	0.266807019	-0.274215	0.000229
cg03078269	chr12	Island	0.333393047	0.060879345	-0.272514	4.47E-05
cg24274665	chr12	North Shore	0.333388443	0.061442501	-0.271946	7.54E-05
cg05835276	chr12	Island	0.437340721	0.165716354	-0.271624	1.86E-05
cg10052368	chr12	North Shelf	0.771198101	0.499731075	-0.271467	0.027736
cg06960461	chr12	Open Sea	0.399867318	0.128432229	-0.271435	0.036748
cg04678315	chr12	Open Sea	0.377391931	0.106818154	-0.270574	1.14E-05
cg14802312	chr12	South Shelf	0.499799123	0.232570955	-0.267228	0.041014

cg06022607	chr12	North Shore	0.728359937	0.461942282	-0.266418	0.000111
cg07914866	chr12	South Shore	0.324067677	0.059550751	-0.264517	0.001755
cg09365924	chr12	North Shelf	0.647533079	0.384905151	-0.262628	0.001068
cg06646494	chr12	Island	0.852457105	0.590530297	-0.261927	0.045786
cg14029489	chr12	Island	0.314704313	0.053672613	-0.261032	0.000551
cg19685491	chr12	Island	0.569921953	0.309655446	-0.260267	0.001738
cg14067873	chr12	North Shore	0.379282234	0.119691162	-0.259591	0.000205
cg19894262	chr12	Open Sea	0.851502163	0.592654164	-0.258848	0.021415
cg10500147	chr12	North Shore	0.326490302	0.06773916	-0.258751	0.000137
cg16063162	chr12	Open Sea	0.657339258	0.39997196	-0.257367	7.28E-05
cg03310242	chr12	Island	0.332913864	0.076765545	-0.256148	0.000184
cg09481537	chr12	Open Sea	0.821490324	0.565561493	-0.255929	0.000416
cg01335367	chr12	Open Sea	0.361520364	0.106056226	-0.255464	0.000651
cg23340214	chr12	North Shore	0.527690793	0.272851347	-0.254839	0.019217
cg17181255	chr12	North Shore	0.896105329	0.644215403	-0.25189	0.002224
cg08886711	chr12	Island	0.473188835	0.221595088	-0.251594	3.17E-06
cg19374752	chr12	South Shelf	0.618037267	0.366554119	-0.251483	1.85E-07
cg07067993	chr12	Open Sea	0.35993411	0.108887016	-0.251047	0.000749
cg17964844	chr12	North Shelf	0.414049923	0.164580947	-0.249469	0.018993
cg18320356	chr12	Open Sea	0.517162491	0.268129262	-0.249033	0.000338
cg06970510	chr12	Island	0.305571964	0.057078322	-0.248494	0.000969
cg13512987	chr12	Open Sea	0.464079821	0.216516694	-0.247563	0.004947
cg11957400	chr12	North Shore	0.385840439	0.13831767	-0.247523	0.000458
cg04844574	chr12	Open Sea	0.317753492	0.070826546	-0.246927	0.000468
cg08711175	chr12	South Shelf	0.451985075	0.205083465	-0.246902	0.022848
cg01614102	chr12	North Shore	0.333912201	0.091526433	-0.242386	0.001282
cg00723994	chr12	Island	0.321327221	0.079584549	-0.241743	0.019451
cg16739441	chr12	Open Sea	0.337825623	0.096339709	-0.241486	0.00012
cg07007400	chr12	Island	0.374116897	0.132934867	-0.241182	7.87E-05
cg22566355	chr12	Island	0.591922022	0.354114689	-0.237807	4.32E-06
cg16115588	chr12	Island	0.273670202	0.036513501	-0.237157	4.87E-05
cg02042936	chr12	North Shelf	0.747690167	0.511180336	-0.23651	0.033142
cg12894524	chr12	Open Sea	0.319225933	0.08326268	-0.235963	0.004362
cg04717595	chr12	Open Sea	0.703925654	0.468838741	-0.235087	0.009881
cg26113809	chr12	Island	0.35980457	0.125195522	-0.234609	0.000331
cg21614690	chr12	North Shore	0.66299916	0.428513714	-0.234485	0.014104
cg26396455	chr12	Island	0.403314023	0.169459296	-0.233855	0.000961
cg19156231	chr12	Island	0.277054041	0.043634931	-0.233419	0.000268
cg09657354	chr12	Open Sea	0.33836694	0.105102139	-0.233265	0.000603
cg16848712	chr12	South Shore	0.396954256	0.163960566	-0.232994	0.004649
cg20454518	chr12	Island	0.620472195	0.388505363	-0.231967	0.018709
cg19690403	chr12	Open Sea	0.420911279	0.18943627	-0.231475	0.008174
cg01682504	chr12	South Shore	0.334852015	0.104936882	-0.229915	0.002965
cg19796532	chr12	Island	0.30209365	0.072491231	-0.229602	6.49E-05
cg01295392	chr12	Island	0.345202967	0.116191095	-0.229012	0.022734
cg20343832	chr12	Island	0.304104564	0.075323838	-0.228781	0.000305
cg13952159	chr12	Open Sea	0.380764455	0.153452469	-0.227312	0.001041
cg03999434	chr12	Island	0.300914142	0.073824882	-0.227089	0.006889
cg15644756	chr12	North Shelf	0.883108692	0.656999398	-0.226109	0.00097
cg25313172	chr12	Island	0.322685774	0.097892476	-0.224793	0.034796

cg08412215	chr12	South Shelf	0.861764946	0.637120633	-0.224644	0.01574
cg10695105	chr12	Island	0.31247506	0.089267544	-0.223208	8.52E-06
cg08339023	chr12	South Shelf	0.455111536	0.231928444	-0.223183	0.000853
cg08872738	chr12	Open Sea	0.276205574	0.053788499	-0.222417	0.000263
cg05222995	chr12	Island	0.339468259	0.11722369	-0.222245	0.003855
cg08527797	chr12	Open Sea	0.367687653	0.14551924	-0.222168	0.015664
cg25451893	chr12	Island	0.285106801	0.063408838	-0.221698	0.003218
cg14537533	chr12	Island	0.279626171	0.058418884	-0.221207	0.000411
cg19355069	chr12	Island	0.583543295	0.362370104	-0.221173	0.015606
cg04611395	chr12	Island	0.291148396	0.070104979	-0.221043	0.001211
cg09082441	chr12	South Shelf	0.262158563	0.041410098	-0.220748	0.000244
cg11841771	chr12	North Shore	0.273572456	0.052906571	-0.220666	8.27E-05
cg19856499	chr12	Island	0.317720331	0.097416989	-0.220303	0.020027
cg26809635	chr12	Island	0.278814877	0.059658163	-0.219157	0.000541
cg25625162	chr12	Open Sea	0.331856096	0.112763295	-0.219093	0.001248
cg02019508	chr12	Open Sea	0.762674517	0.543948578	-0.218726	1.64E-06
cg08748969	chr12	South Shore	0.633182642	0.414520374	-0.218662	0.006832
cg22635491	chr12	Island	0.476590893	0.258318593	-0.218272	0.005139
cg07528595	chr12	South Shore	0.61759356	0.400331571	-0.217262	0.001791
cg15712226	chr12	Island	0.48810389	0.271074559	-0.217029	0.016127
cg03408433	chr12	Open Sea	0.316375622	0.099797911	-0.216578	0.002269
cg18949192	chr12	North Shore	0.296196839	0.079845599	-0.216351	0.001108
cg02468320	chr12	Open Sea	0.465079389	0.249559901	-0.215519	0.036582
cg08110272	chr12	Open Sea	0.277803348	0.062523961	-0.215279	7.46E-05
cg05860723	chr12	Island	0.298667593	0.083868463	-0.214799	0.000244
cg03213374	chr12	Open Sea	0.363103021	0.148446787	-0.214656	0.046201
cg23031493	chr12	Island	0.312808849	0.098811832	-0.213997	0.035978
cg16945186	chr12	Island	0.252930674	0.039262235	-0.213668	3.08E-05
cg15405572	chr12	Open Sea	0.287968511	0.075135741	-0.212833	0.000137
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cg22229906	chr12	North Shore	0.288824436	0.078436833	-0.210388	0.000147
cg05298628	chr12	North Shore	0.315958605	0.10726561	-0.208693	0.011315
cg22813430	chr12	North Shore	0.486037057	0.277716063	-0.208321	0.008444
cg26711820	chr12	North Shore	0.530548686	0.322320799	-0.208228	0.000784
cg05142520	chr12	Island	0.492295779	0.284173519	-0.208122	0.049071
cg14239655	chr12	Open Sea	0.324519175	0.11796792	-0.206551	0.017881
cg24333145	chr12	North Shore	0.821679526	0.615439278	-0.20624	4.06E-09
cg09577511	chr12	Island	0.393526481	0.187535047	-0.205991	0.004754
cg14846292	chr12	North Shore	0.730377004	0.524389849	-0.205987	0.002725
cg11412853	chr12	North Shore	0.303614596	0.09789787	-0.205717	0.00281
cg05694021	chr12	Open Sea	0.32536231	0.119701948	-0.20566	0.03231
cg12883767	chr12	North Shore	0.715325766	0.509822319	-0.205503	3.71E-05
cg01494454	chr12	North Shore	0.270861553	0.065434618	-0.205427	0.000133
cg03728296	chr12	Island	0.327983488	0.122759968	-0.205224	0.001974
cg06654103	chr12	South Shore	0.907273253	0.702165444	-0.205108	0.016118
cg23754320	chr12	North Shore	0.253819346	0.048899469	-0.20492	0.000166
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cg13022977	chr12	South Shore	0.366137331	0.162216437	-0.203921	0.041475
cg11569159	chr12	North Shore	0.322940525	0.119072191	-0.203868	0.010091
cg09670128	chr12	Island	0.274237392	0.070710989	-0.203526	0.00548

cg12670347	chr12	Island	0.351652521	0.149512693	-0.20214	0.000115
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cg16896868	chr13	Open Sea	0.641887714	0.186809648	-0.455078	0.039977
cg15975806	chr13	Open Sea	0.662749127	0.208780551	-0.453969	0.044057
cg06048436	chr13	Open Sea	0.565921719	0.131721907	-0.4342	2.81E-05
cg16131748	chr13	Open Sea	0.537129254	0.109036845	-0.428092	0.002111
cg19023589	chr13	North Shelf	0.868786913	0.453130442	-0.415656	0.016485
cg24453118	chr13	Open Sea	0.550716539	0.135080261	-0.415636	0.003404
cg03697308	chr13	South Shore	0.580070985	0.174062257	-0.406009	0.018904
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cg14909464	chr13	South Shore	0.400757153	0.055559188	-0.345198	6.05E-08
cg05222982	chr13	South Shore	0.451451461	0.109826209	-0.341625	0.000331
cg10766030	chr13	Open Sea	0.717079606	0.411270519	-0.305809	0.001508
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cg09781827	chr13	North Shore	0.413828541	0.110648275	-0.30318	4.25E-05
cg25658983	chr13	Open Sea	0.501213814	0.199256932	-0.301957	0.033995
cg06779705	chr13	South Shore	0.629927519	0.330194679	-0.299733	1.17E-05
cg10668926	chr13	North Shore	0.474436446	0.178000295	-0.296436	1.01E-06
cg25032595	chr13	Island	0.334565128	0.040090875	-0.294474	6.23E-05
cg26667946	chr13	Open Sea	0.395933771	0.105821376	-0.290112	0.003013
cg11570656	chr13	North Shore	0.522539392	0.241998039	-0.280541	2.11E-06
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cg07165066	chr13	South Shelf	0.348437198	0.071543859	-0.276893	9.55E-06
cg06137852	chr13	South Shore	0.359203982	0.083719716	-0.275484	4.48E-05
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cg14269973	chr13	Open Sea	0.334417447	0.062214927	-0.272203	7.08E-06
cg22900415	chr13	Island	0.336542401	0.073340363	-0.263202	7.37E-05
cg10791035	chr13	North Shore	0.591759006	0.333046682	-0.258712	0.000877
cg11283429	chr13	North Shore	0.379705377	0.121728131	-0.257977	0.008783
cg16705627	chr13	Island	0.357618312	0.10164292	-0.255975	0.000738
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cg14427009	chr13	Island	0.399156687	0.1455845	-0.253572	0.003785
cg11077516	chr13	Island	0.384110253	0.131955132	-0.252155	0.001132
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cg01499197	chr13	Island	0.326124233	0.099673189	-0.226451	0.001123

cg20884298	chr13	Open Sea	0.319608093	0.095770466	-0.223838	2.87E-05
cg21091841	chr13	Open Sea	0.401700674	0.179764838	-0.221936	8.32E-05
cg20602244	chr13	South Shore	0.828501744	0.607004139	-0.221498	0.003858
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cg05600717	chr13	South Shore	0.339288561	0.123467225	-0.215821	0.00271
cg05967403	chr13	Island	0.353513855	0.137817946	-0.215696	0.014418
cg08348990	chr13	Open Sea	0.658686497	0.443214674	-0.215472	0.000213
cg02017534	chr13	Open Sea	0.291712315	0.077281851	-0.21443	0.001108
cg01504447	chr13	Open Sea	0.33300892	0.120390232	-0.212619	4.38E-05
cg07268021	chr13	Island	0.690818259	0.480181214	-0.210637	0.023249
cg06001519	chr13	Island	0.288620833	0.079559196	-0.209062	0.014233
cg26446593	chr13	South Shore	0.818006183	0.610000641	-0.208006	0.033015
cg21801165	chr13	Open Sea	0.518050712	0.311384278	-0.206666	0.018139
cg06259025	chr13	Island	0.296129398	0.090534563	-0.205595	0.002897
cg26444528	chr13	Island	0.290639945	0.087272746	-0.203367	0.006547
cg02057782	chr13	North Shore	0.462984027	0.260051527	-0.202932	0.016605
cg25702335	chr13	South Shore	0.283140154	0.081496108	-0.201644	0.000943
cg06215457	chr13	Open Sea	0.233356226	0.031948434	-0.201408	8.59E-05
cg09636214	chr14	Island	0.633117903	0.080828398	-0.55229	2.04E-08
cg23511824	chr14	Open Sea	0.640973377	0.164733902	-0.476239	0.022981
cg05926722	chr14	Island	0.623725917	0.151565513	-0.47216	0.023197
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cg26407316	chr14	Open Sea	0.747435202	0.311031837	-0.436403	0.044177
cg12922751	chr14	North Shore	0.565939127	0.137922235	-0.428017	0.008818
cg00808648	chr14	North Shore	0.596134495	0.192280253	-0.403854	0.018129
cg24169669	chr14	Island	0.556549288	0.158518519	-0.398031	0.001997
cg23289024	chr14	South Shore	0.461369378	0.065974545	-0.395395	5.38E-06
cg26094789	chr14	Island	0.567750559	0.191750029	-0.376001	0.001098
cg19725377	chr14	Open Sea	0.487610181	0.113550754	-0.374059	0.005875
cg09317728	chr14	Open Sea	0.534337308	0.173617785	-0.36072	0.009878
cg16597391	chr14	Island	0.532110729	0.173482492	-0.358628	0.00013
cg11152302	chr14	North Shore	0.759627281	0.401155557	-0.358472	0.004173
cg14233720	chr14	Open Sea	0.533981257	0.183019772	-0.350961	0.009359
cg12060499	chr14	Island	0.397343292	0.047642678	-0.349701	2.42E-06
cg13716585	chr14	Open Sea	0.435876129	0.088937585	-0.346939	2E-06
cg01554437	chr14	Island	0.483519351	0.143374615	-0.340145	0.045387
cg08130912	chr14	Open Sea	0.596375182	0.256571883	-0.339803	0.036365
cg12978105	chr14	Island	0.527074032	0.188047139	-0.339027	0.009819
cg12200038	chr14	Island	0.425502062	0.091977838	-0.333524	4.35E-05
cg06765217	chr14	Island	0.375546724	0.04428677	-0.33126	1.06E-05
cg16389901	chr14	South Shore	0.460457155	0.135878801	-0.324578	0.000664
cg08139247	chr14	Island	0.420035056	0.095590106	-0.324445	4.83E-06
cg21885107	chr14	Island	0.564456926	0.241334759	-0.323122	0.024524
cg18182566	chr14	Open Sea	0.760539236	0.437588975	-0.32295	0.010842
cg13797425	chr14	South Shore	0.410437083	0.096972579	-0.313465	1.8E-05
cg27175093	chr14	South Shore	0.364335177	0.063576878	-0.300758	3.48E-05
cg20710709	chr14	Island	0.471622288	0.171858626	-0.299764	0.0041
cg09950309	chr14	North Shore	0.374143903	0.077942346	-0.296202	2.9E-06
cg01129459	chr14	South Shore	0.395003487	0.099294899	-0.295709	0.000146
cg08234878	chr14	Open Sea	0.401947304	0.10811604	-0.293831	0.040164

cg11787167	chr14	South Shelf	0.370183794	0.076430092	-0.293754	6.86E-05
cg20999932	chr14	Island	0.588449712	0.295553934	-0.292896	0.033865
cg00917847	chr14	Open Sea	0.358068552	0.069762283	-0.288306	0.000115
cg25608078	chr14	Open Sea	0.332667728	0.048420291	-0.284247	5.33E-05
cg16207263	chr14	Open Sea	0.336367514	0.054800762	-0.281567	1.63E-05
cg16473141	chr14	Island	0.469397852	0.188618855	-0.280779	1.29E-07
cg07066907	chr14	South Shore	0.556904354	0.276435847	-0.280469	0.008603
cg27055366	chr14	South Shore	0.851838252	0.571839162	-0.279999	9.53E-08
cg19871940	chr14	North Shore	0.313265653	0.033456854	-0.279809	5.01E-06
cg21567958	chr14	Open Sea	0.806907586	0.534909502	-0.271998	0.002755
cg10081469	chr14	South Shore	0.44849092	0.179078237	-0.269413	0.01363
cg24673101	chr14	Island	0.460550523	0.19121476	-0.269336	0.045107
cg11033654	chr14	North Shore	0.351036382	0.082525731	-0.268511	0.036911
cg18512948	chr14	Island	0.511128762	0.244904442	-0.266224	0.000143
cg22986876	chr14	Open Sea	0.706889164	0.440946975	-0.265942	0.003436
cg06966811	chr14	Island	0.418434284	0.153885721	-0.264549	1.3E-07
cg14987799	chr14	Open Sea	0.300445157	0.040247112	-0.260198	7.51E-07
cg12127149	chr14	Open Sea	0.633998867	0.374159381	-0.259839	0.011542
cg23904247	chr14	South Shore	0.43108026	0.171462969	-0.259617	0.006801
cg18422058	chr14	Open Sea	0.482027251	0.222903299	-0.259124	0.000429
cg03515897	chr14	North Shore	0.709907073	0.454746269	-0.255161	0.04959
cg23683588	chr14	Island	0.310017538	0.055371493	-0.254646	1.88E-05
cg03502791	chr14	South Shore	0.386437399	0.132595628	-0.253842	0.00578
cg00747975	chr14	Open Sea	0.43490464	0.181148589	-0.253756	0.03396
cg01121022	chr14	Open Sea	0.390286845	0.136715503	-0.253571	0.00012
cg13219590	chr14	Open Sea	0.518987164	0.270745689	-0.248241	0.006959
cg23438893	chr14	North Shore	0.303330257	0.056080329	-0.24725	0.001175
cg11773456	chr14	Open Sea	0.75780497	0.51060965	-0.247195	0.008677
cg02003183	chr14	Open Sea	0.549452793	0.306765669	-0.242687	5.54E-05
cg08247587	chr14	North Shore	0.327741675	0.086229787	-0.241512	0.000773
cg16405432	chr14	Open Sea	0.410184468	0.170277644	-0.239907	0.014691
cg16190266	chr14	Island	0.278712079	0.040280513	-0.238432	0.000303
cg12071775	chr14	Open Sea	0.607880448	0.370077913	-0.237803	9E-06
cg03431846	chr14	Island	0.295395782	0.059212375	-0.236183	1.35E-05
cg18280830	chr14	South Shore	0.49277612	0.257351745	-0.235424	0.0024
cg17717124	chr14	Island	0.330978257	0.09698711	-0.233991	0.000649
cg04681600	chr14	Island	0.347138068	0.114745472	-0.232393	0.041353
cg06756919	chr14	Island	0.368021296	0.135805566	-0.232216	0.01492
cg21931419	chr14	Island	0.410357634	0.180675578	-0.229682	0.001616
cg12165758	chr14	South Shore	0.283072497	0.055192363	-0.22788	0.000224
cg24036523	chr14	North Shore	0.766056829	0.539058204	-0.226999	0.018695
cg20911718	chr14	North Shore	0.81419508	0.589859507	-0.224336	0.021676
cg05100282	chr14	Island	0.324550702	0.100918631	-0.223632	0.001031
cg23112188	chr14	North Shore	0.285671099	0.064692714	-0.220978	0.001388
cg05406635	chr14	Island	0.357759823	0.138837066	-0.218923	0.000264
cg19989295	chr14	Island	0.25689103	0.040296404	-0.216595	2.42E-06
cg12930714	chr14	North Shore	0.279840645	0.063301399	-0.216539	0.00065
cg18556834	chr14	Island	0.314952898	0.098494602	-0.216458	0.01352
cg23683254	chr14	Island	0.27169919	0.055912324	-0.215787	0.001132
cg10013142	chr14	South Shore	0.593897419	0.380084494	-0.213813	0.021664

cg27041049	chr14	South Shore	0.584352108	0.370546718	-0.213805	0.010698
cg20096365	chr14	Open Sea	0.741663892	0.528298045	-0.213366	1.16E-05
cg01775802	chr14	Open Sea	0.393692604	0.180604845	-0.213088	0.034025
cg09829636	chr14	South Shore	0.328836519	0.118353035	-0.210483	0.011958
cg19610615	chr14	North Shore	0.373595938	0.165349968	-0.208246	0.048262
cg04937184	chr14	South Shore	0.538070748	0.33102647	-0.207044	0.000161
cg23365739	chr14	North Shore	0.476354694	0.270343463	-0.206011	0.007953
cg16204357	chr14	North Shore	0.359187664	0.15344177	-0.205746	0.004702
cg12890903	chr14	North Shore	0.269250005	0.063839516	-0.20541	0.000103
cg24989962	chr14	Island	0.266182376	0.061146491	-0.205036	0.000199
cg05226518	chr14	South Shore	0.776397819	0.571880105	-0.204518	0.015633
cg08120263	chr14	North Shore	0.255538996	0.051224745	-0.204314	0.000662
cg13038685	chr14	Open Sea	0.263870792	0.060590379	-0.20328	0.000448
cg18242103	chr14	Island	0.315286316	0.112039117	-0.203247	0.000271
cg13248574	chr14	Open Sea	0.278625593	0.077487651	-0.201138	0.002354
cg26150514	chr15	North Shelf	0.731172942	0.161903609	-0.569269	5.71E-14
cg14494620	chr15	Island	0.667860189	0.18278914	-0.485071	0.043256
cg03717836	chr15	Open Sea	0.619304064	0.143796424	-0.475508	3.24E-05
cg01953658	chr15	North Shore	0.555394799	0.109195969	-0.446199	3.11E-07
cg00027650	chr15	Open Sea	0.658637122	0.216560871	-0.442076	0.034551
cg04645160	chr15	South Shore	0.770650443	0.329853952	-0.440796	0.042958
cg09890891	chr15	Island	0.699709278	0.270480443	-0.429229	0.007749
cg07759162	chr15	Open Sea	0.721368052	0.296912361	-0.424456	5.88E-06
cg05994244	chr15	Island	0.585900835	0.167098651	-0.418802	4.45E-10
cg02329430	chr15	North Shelf	0.705628805	0.287354764	-0.418274	5.47E-07
cg16668651	chr15	Open Sea	0.552914097	0.135965051	-0.416949	0.04424
cg16567056	chr15	Open Sea	0.487166042	0.074022596	-0.413143	2.33E-09
cg21406075	chr15	South Shore	0.472859744	0.077273047	-0.395587	5.48E-06
cg01218896	chr15	South Shore	0.508903084	0.119823544	-0.38908	5.63E-05
cg22958047	chr15	North Shore	0.488081686	0.099194428	-0.388887	1.14E-08
cg06727338	chr15	Open Sea	0.464335539	0.077071837	-0.387264	3.61E-06
cg01959123	chr15	North Shore	0.445346747	0.061269323	-0.384077	1.97E-06
cg26127778	chr15	Island	0.561765906	0.18246296	-0.379303	2.43E-06
cg06302690	chr15	Island	0.412460051	0.040902087	-0.371558	1.74E-06
cg03051384	chr15	Island	0.430293021	0.064029763	-0.366263	1.79E-06
cg06605053	chr15	North Shore	0.42443532	0.06404727	-0.360388	8.93E-07
cg12177851	chr15	Open Sea	0.607914648	0.248779965	-0.359135	0.000346
cg26025891	chr15	Open Sea	0.429975498	0.071489791	-0.358486	3.84E-08
cg15031976	chr15	North Shore	0.429621595	0.071952706	-0.357669	3.12E-07
cg04854226	chr15	North Shore	0.561784012	0.204379442	-0.357405	2.45E-05
cg19821713	chr15	Island	0.612933558	0.259468523	-0.353465	1.59E-06
cg00152322	chr15	Island	0.470771632	0.120134333	-0.350637	0.003135
cg05501584	chr15	North Shore	0.436442242	0.096965764	-0.339476	0.003682
cg10614025	chr15	Island	0.440578258	0.103283472	-0.337295	0.000923
cg22377043	chr15	Open Sea	0.421104547	0.084101024	-0.337004	3.75E-05
cg00143527	chr15	North Shore	0.493855161	0.164809177	-0.329046	0.002782
cg02693157	chr15	Open Sea	0.443323837	0.122565059	-0.320759	4.31E-05
cg13474370	chr15	South Shore	0.607915531	0.289840447	-0.318075	0.003995
cg27370471	chr15	Open Sea	0.515096241	0.200538464	-0.314558	0.000332
cg06613515	chr15	Open Sea	0.49769948	0.183614639	-0.314085	0.017716

cg13455960	chr15	Island	0.623925145	0.310687542	-0.313238	0.008064
cg06733347	chr15	Open Sea	0.859196229	0.546913374	-0.312283	0.013705
cg20889818	chr15	South Shore	0.370808382	0.058613545	-0.312195	1.67E-08
cg16276982	chr15	South Shore	0.484224605	0.175744047	-0.308481	0.000384
cg01287936	chr15	Island	0.374176446	0.065834488	-0.308342	3.61E-06
cg04875128	chr15	Island	0.394681284	0.089310869	-0.30537	0.004995
cg15159104	chr15	Open Sea	0.412508815	0.107632596	-0.304876	0.000676
cg09999700	chr15	Open Sea	0.430000401	0.126500065	-0.3035	0.001236
cg02013741	chr15	Open Sea	0.707140603	0.403657005	-0.303484	0.005785
cg27279991	chr15	Island	0.381540582	0.078323382	-0.303217	0.000396
cg03799283	chr15	Island	0.364514216	0.062258582	-0.302256	3.71E-06
cg12134633	chr15	Open Sea	0.53748071	0.237630366	-0.29985	0.040602
cg20801110	chr15	South Shore	0.649455658	0.355861937	-0.293594	0.002938
cg20551756	chr15	North Shore	0.442251417	0.148909765	-0.293342	0.022178
cg05895376	chr15	North Shelf	0.557680705	0.26486518	-0.292816	0.026935
cg17896927	chr15	Island	0.416373317	0.124083067	-0.29229	0.009416
cg27628707	chr15	Open Sea	0.317953638	0.027639565	-0.290314	1.33E-07
cg14833933	chr15	Open Sea	0.665595597	0.377346276	-0.288249	0.002549
cg20927731	chr15	South Shore	0.337843404	0.050193895	-0.28765	7.92E-06
cg16718263	chr15	Open Sea	0.37680295	0.089699844	-0.287103	0.003162
cg01868896	chr15	Open Sea	0.856584054	0.571507548	-0.285077	9.56E-11
cg21669441	chr15	Island	0.359932906	0.077016444	-0.282916	0.000268
cg16543027	chr15	Open Sea	0.49788953	0.222762068	-0.275127	0.001343
cg05314394	chr15	North Shelf	0.340860118	0.066194248	-0.274666	0.000297
cg25649641	chr15	Island	0.317148748	0.046597481	-0.270551	3.45E-06
cg26516200	chr15	North Shelf	0.576667944	0.306172932	-0.270495	0.008993
cg19642402	chr15	Open Sea	0.32927688	0.059422291	-0.269855	6.04E-07
cg01366725	chr15	Open Sea	0.348675186	0.079775764	-0.268899	2.26E-05
cg20592391	chr15	Open Sea	0.364889468	0.097997266	-0.266892	1.15E-05
cg21244086	chr15	North Shore	0.47778243	0.211745002	-0.266037	0.004486
cg07068735	chr15	Open Sea	0.417756666	0.152650214	-0.265106	0.004092
cg05335955	chr15	Island	0.303427713	0.038443392	-0.264984	0.000136
cg22888055	chr15	South Shore	0.546136145	0.285274694	-0.260861	0.00799
cg12426344	chr15	Island	0.421191846	0.16133419	-0.259858	0.000701
cg14074476	chr15	Island	0.498389768	0.242598398	-0.255791	0.033347
cg10763234	chr15	Island	0.358353258	0.103159175	-0.255194	0.026087
cg10142436	chr15	North Shelf	0.324464586	0.06961323	-0.254851	2.97E-05
cg00623200	chr15	South Shore	0.593946909	0.34740312	-0.246544	7.64E-05
cg14093936	chr15	South Shore	0.474779685	0.228459364	-0.24632	0.019489
cg04890851	chr15	North Shore	0.385505688	0.13956383	-0.245942	0.000842
cg03829137	chr15	South Shore	0.445290481	0.19968919	-0.245601	0.01642
cg18588323	chr15	Island	0.376112953	0.131672084	-0.244441	0.017769
cg27132471	chr15	Open Sea	0.374468648	0.130040391	-0.244428	0.027258
cg04640920	chr15	South Shore	0.657024121	0.414300832	-0.242723	0.019655
cg03177551	chr15	Island	0.287294847	0.045475497	-0.241819	0.000254
cg10186733	chr15	South Shore	0.283498713	0.042819634	-0.240679	9.28E-05
cg24956533	chr15	South Shore	0.312736745	0.074646023	-0.238091	0.002704
cg26222247	chr15	Island	0.361747939	0.124253677	-0.237494	0.000154
cg12530503	chr15	Island	0.433077445	0.196178671	-0.236899	0.031955
cg12382398	chr15	Island	0.500260834	0.26378022	-0.236481	0.006851

cg10156302	chr15	Open Sea	0.801916673	0.566674346	-0.235242	0.00061
cg17400113	chr15	Island	0.640291332	0.406339395	-0.233952	0.003355
cg06675273	chr15	North Shore	0.369412349	0.136540032	-0.232872	0.020846
cg23411013	chr15	Open Sea	0.427800242	0.195257457	-0.232543	0.017013
cg26851289	chr15	Open Sea	0.528773678	0.298993169	-0.229781	0.017743
cg08438435	chr15	Island	0.324163232	0.094972586	-0.229191	0.010003
cg27501645	chr15	Island	0.338618332	0.109733644	-0.228885	0.00036
cg02779016	chr15	Open Sea	0.30234388	0.074014032	-0.22833	0.000513
cg26899598	chr15	South Shore	0.296551083	0.069963124	-0.226588	0.006917
cg04181528	chr15	Island	0.412865705	0.18704285	-0.225823	8.74E-06
cg26531804	chr15	Island	0.552215981	0.328490287	-0.223726	0.001758
cg03927133	chr15	Island	0.300526686	0.079618929	-0.220908	0.000169
cg12058064	chr15	South Shelf	0.685754176	0.465945993	-0.219808	1.02E-05
cg27046604	chr15	Island	0.509761181	0.290025887	-0.219735	1.76E-05
cg18210365	chr15	North Shore	0.787903562	0.569449378	-0.218454	0.015153
cg25866089	chr15	Open Sea	0.581744052	0.363839772	-0.217904	0.000158
cg14482712	chr15	Open Sea	0.86595904	0.649482175	-0.216477	0.003448
cg00687306	chr15	Open Sea	0.454138183	0.238244237	-0.215894	0.000139
cg24456002	chr15	North Shore	0.269215589	0.055031947	-0.214184	3.94E-05
cg01152302	chr15	Island	0.262243239	0.048180384	-0.214063	0.002258
cg18973515	chr15	North Shore	0.618716317	0.405025842	-0.21369	0.000303
cg08891110	chr15	North Shore	0.295447756	0.083125776	-0.212322	0.000669
cg26405020	chr15	North Shore	0.306610879	0.094740848	-0.21187	1.58E-05
cg02900766	chr15	Island	0.338502439	0.126677376	-0.211825	0.016709
cg12382153	chr15	North Shore	0.266250089	0.054853883	-0.211396	8.03E-05
cg03338933	chr15	Open Sea	0.397691059	0.186744155	-0.210947	0.031932
cg13920934	chr15	Open Sea	0.269640658	0.059323787	-0.210317	7.53E-05
cg11479165	chr15	South Shore	0.280024643	0.07137124	-0.208653	0.001042
cg07713411	chr15	Island	0.24881863	0.040867535	-0.207951	0.001036
cg00213301	chr15	North Shelf	0.56561545	0.358899243	-0.206716	0.026936
cg13055199	chr15	South Shore	0.473965514	0.268558172	-0.205407	0.018228
cg12364131	chr15	South Shore	0.439351535	0.234394762	-0.204957	0.019686
cg27058988	chr15	Open Sea	0.301602652	0.097406508	-0.204196	0.001823
cg05364884	chr16	Open Sea	0.629567633	0.062814915	-0.566753	1.83E-07
cg08394412	chr16	Island	0.701942791	0.145822679	-0.55612	0.002061
cg08773462	chr16	Open Sea	0.676167698	0.1551086	-0.521059	0.029152
cg01252526	chr16	North Shore	0.638876506	0.118081535	-0.520795	3.4E-05
cg07336350	chr16	Island	0.676705383	0.165226959	-0.511478	3.5E-12
cg02910054	chr16	Open Sea	0.646667444	0.151978527	-0.494689	6.47E-07
cg08537367	chr16	Open Sea	0.648059857	0.168380072	-0.47968	0.028987
cg07676361	chr16	South Shore	0.621663889	0.153481995	-0.468182	3.82E-05
cg03720617	chr16	Open Sea	0.527541771	0.095707898	-0.431834	1.69E-07
cg09275704	chr16	Island	0.564331747	0.140944305	-0.423387	0.004133
cg09854734	chr16	Island	0.52123887	0.101094455	-0.420144	2.11E-05
cg06916001	chr16	Open Sea	0.485070612	0.068735009	-0.416336	5.49E-07
cg00928596	chr16	Open Sea	0.491135613	0.076663422	-0.414472	7.98E-07
cg00327947	chr16	Open Sea	0.773846626	0.365641564	-0.408205	0.028523
cg04294437	chr16	Island	0.52432574	0.117339654	-0.406986	1.08E-10
cg16547186	chr16	Open Sea	0.504256663	0.114667349	-0.389589	0.005388
cg02893550	chr16	Island	0.458524973	0.069357439	-0.389168	2.8E-05

cg08032924	chr16	Island	0.444796177	0.058068573	-0.386728	1.97E-07
cg26706803	chr16	Open Sea	0.524735138	0.146065954	-0.378669	1.78E-05
cg26580413	chr16	Open Sea	0.561941106	0.190119454	-0.371822	0.014079
cg06658404	chr16	Open Sea	0.4335667	0.063638415	-0.369928	1E-05
cg01683883	chr16	Island	0.431193071	0.066018192	-0.365175	8.38E-08
cg01059100	chr16	South Shore	0.499322347	0.135161582	-0.364161	0.000604
cg09608652	chr16	Open Sea	0.43832167	0.075235098	-0.363087	1.7E-08
cg10292154	chr16	Open Sea	0.435323161	0.072923581	-0.3624	1.48E-06
cg09849405	chr16	Island	0.434010447	0.071814151	-0.362196	6.03E-07
cg07905568	chr16	North Shore	0.816259706	0.462935639	-0.353324	5.88E-10
cg22388260	chr16	Open Sea	0.434689323	0.082423894	-0.352265	6.9E-05
cg16626067	chr16	Island	0.416193128	0.064091801	-0.352101	3.64E-06
cg05766489	chr16	Island	0.599646934	0.248095618	-0.351551	0.015574
cg00767069	chr16	Open Sea	0.571978583	0.22137964	-0.350599	0.036531
cg01934674	chr16	Open Sea	0.851195783	0.501675365	-0.34952	0.001473
cg16783204	chr16	Island	0.413316114	0.065268739	-0.348047	2.26E-05
cg02246055	chr16	Island	0.458813191	0.112675178	-0.346138	5.09E-05
cg04253954	chr16	North Shelf	0.578355526	0.235012312	-0.343343	0.045048
cg02220965	chr16	North Shore	0.543325743	0.200876275	-0.342449	0.000569
cg05333146	chr16	Island	0.794442619	0.453566404	-0.340876	0.011653
cg06666025	chr16	Island	0.394829927	0.055108891	-0.339721	7.05E-06
cg05083852	chr16	South Shore	0.670107607	0.342654492	-0.327453	2.07E-06
cg02716792	chr16	South Shore	0.390493427	0.064537038	-0.325956	3.71E-06
cg05546863	chr16	Island	0.456063825	0.132172173	-0.323892	0.000626
cg08347500	chr16	Island	0.370313583	0.051313319	-0.319	6.94E-07
cg08082763	chr16	Open Sea	0.892618236	0.588361565	-0.304257	0.040304
cg00657780	chr16	Open Sea	0.765315928	0.463372065	-0.301944	0.040403
cg26537209	chr16	Island	0.391242247	0.090249946	-0.300992	1.65E-06
cg06014057	chr16	Open Sea	0.818484241	0.517788931	-0.300695	0.000525
cg02886263	chr16	Open Sea	0.390205595	0.089724642	-0.300481	0.0067
cg04917160	chr16	Open Sea	0.372780892	0.07269802	-0.300083	0.000139
cg07405121	chr16	North Shelf	0.692603989	0.39272993	-0.299874	4.12E-05
cg17655614	chr16	North Shore	0.551493306	0.259684166	-0.291809	0.031159
cg27406919	chr16	Open Sea	0.325840418	0.036721959	-0.289118	3.83E-05
cg08787837	chr16	Open Sea	0.409531149	0.120813081	-0.288718	0.033881
cg12100791	chr16	South Shore	0.587328767	0.299728071	-0.287601	0.020669
cg05251269	chr16	North Shelf	0.583485586	0.296499966	-0.286986	0.000909
cg00809164	chr16	Island	0.469155709	0.185709615	-0.283446	1.34E-05
cg00029825	chr16	Island	0.859193314	0.577052929	-0.28214	0.045245
cg01885503	chr16	Island	0.489132014	0.207680774	-0.281451	0.000748
cg02194243	chr16	Island	0.434471149	0.153967512	-0.280504	0.038063
cg26505691	chr16	Open Sea	0.341736566	0.061580281	-0.280156	1.17E-05
cg02533339	chr16	Open Sea	0.336440861	0.061442005	-0.274999	1.49E-05
cg03070236	chr16	North Shelf	0.434141737	0.159290346	-0.274851	4.36E-05
cg02488129	chr16	Open Sea	0.33630827	0.063138934	-0.273169	1.17E-05
cg08632420	chr16	Open Sea	0.623961914	0.354410606	-0.269551	0.026595
cg06465011	chr16	Open Sea	0.671935026	0.404043027	-0.267892	0.001623
cg07153665	chr16	Island	0.372754135	0.105904712	-0.266849	5.08E-06
cg02900356	chr16	South Shore	0.335757273	0.070498541	-0.265259	0.000105
cg05544500	chr16	Island	0.452608273	0.187516722	-0.265092	0.026535

cg14585371	chr16	Island	0.452599197	0.189755511	-0.262844	0.016603
cg03662014	chr16	Island	0.354194578	0.091504699	-0.26269	0.000166
cg02896970	chr16	Open Sea	0.802485459	0.540603501	-0.261882	0.001722
cg00449812	chr16	North Shore	0.633205221	0.372977382	-0.260228	0.024225
cg08318842	chr16	North Shore	0.311001427	0.05087527	-0.260126	3.93E-05
cg22167353	chr16	Island	0.326581664	0.067665683	-0.258916	0.000833
cg02513379	chr16	Open Sea	0.631640639	0.372941715	-0.258699	0.003195
cg03303766	chr16	North Shore	0.784996741	0.528217143	-0.25678	0.000414
cg16672223	chr16	Open Sea	0.47932232	0.223721286	-0.255601	0.016471
cg02102533	chr16	Island	0.850306087	0.595327639	-0.254978	8.37E-08
cg01337391	chr16	Island	0.400038232	0.145065412	-0.254973	6.67E-05
cg08730348	chr16	South Shore	0.299474702	0.04702642	-0.252448	7.54E-05
cg06969933	chr16	North Shore	0.918563404	0.666488384	-0.252075	0.00672
cg10264687	chr16	North Shore	0.295532895	0.043621278	-0.251912	0.00012
cg27589814	chr16	North Shelf	0.455316342	0.209033775	-0.246283	3.05E-06
cg08601673	chr16	North Shelf	0.432818497	0.187099101	-0.245719	0.036986
cg02352240	chr16	Island	0.464429613	0.218964782	-0.245465	0.000329
cg08076437	chr16	Island	0.518225763	0.274458605	-0.243767	1.43E-06
cg09816471	chr16	Island	0.374070825	0.130997301	-0.243074	0.000717
cg06367311	chr16	Island	0.311568184	0.069969507	-0.241599	0.002188
cg09115984	chr16	South Shore	0.387883789	0.146872106	-0.241012	0.000808
cg09530163	chr16	North Shore	0.31802665	0.077186633	-0.24084	0.009095
cg07300060	chr16	Island	0.420870871	0.180667319	-0.240204	0.036543
cg00700638	chr16	Open Sea	0.931699653	0.693485652	-0.238214	0.010376
cg04861096	chr16	North Shore	0.421636598	0.183471979	-0.238165	0.006752
cg08770761	chr16	Island	0.399887326	0.162844542	-0.237043	0.003401
cg13813391	chr16	Island	0.855515773	0.619924791	-0.235591	0.045831
cg10359913	chr16	South Shore	0.851939528	0.620068078	-0.231871	0.004397
cg09477019	chr16	Open Sea	0.666815256	0.436187257	-0.230628	0.000635
cg08959144	chr16	Open Sea	0.393670585	0.164093889	-0.229577	0.049112
cg07027430	chr16	South Shore	0.331966199	0.102996982	-0.228969	0.001685
cg09107055	chr16	Open Sea	0.583065592	0.354266593	-0.228799	3.87E-05
cg08698997	chr16	Open Sea	0.363861241	0.136160767	-0.2277	0.008177
cg04612608	chr16	Open Sea	0.825622183	0.598281658	-0.227341	6.86E-07
cg16454902	chr16	Open Sea	0.607685583	0.38101102	-0.226675	2.33E-06
cg08155347	chr16	North Shore	0.353236077	0.12666383	-0.226572	0.012665
cg02143404	chr16	Open Sea	0.377716299	0.152844549	-0.224872	0.045125
cg26920007	chr16	South Shore	0.835597421	0.611458848	-0.224139	0.022137
cg08512490	chr16	Island	0.270356184	0.046853378	-0.223503	0.001272
cg06297391	chr16	South Shore	0.306448368	0.083276032	-0.223172	0.000786
cg00454305	chr16	Island	0.636374867	0.413677775	-0.222697	0.04117
cg16696400	chr16	Open Sea	0.31844975	0.097339658	-0.22111	0.000501
cg26672452	chr16	South Shore	0.805328197	0.585370072	-0.219958	0.007033
cg06279276	chr16	Island	0.276732395	0.057080229	-0.219652	0.001621
cg13271951	chr16	North Shore	0.527038615	0.310164124	-0.216874	0.001007
cg08057411	chr16	Open Sea	0.870422882	0.653687049	-0.216736	0.005122
cg04890560	chr16	Island	0.307101616	0.091210535	-0.215891	0.000157
cg02732252	chr16	Island	0.347239958	0.134124635	-0.213115	0.049841
cg17683110	chr16	Island	0.316883769	0.108169248	-0.208715	0.006584
cg26772894	chr16	Open Sea	0.558350213	0.352335627	-0.206015	0.000883

cg01615339	chr16	South Shore	0.401397412	0.195537012	-0.20586	0.010887
cg02030219	chr16	North Shelf	0.353083214	0.148345707	-0.204738	4.96E-06
cg00036976	chr16	Open Sea	0.382717559	0.178341181	-0.204376	5.83E-05
cg00453202	chr16	Open Sea	0.295951535	0.092300672	-0.203651	6.44E-05
cg00128386	chr16	North Shore	0.850661662	0.64775156	-0.20291	0.037528
cg09920228	chr16	South Shore	0.603545831	0.400855668	-0.20269	0.018551
cg09140114	chr16	Open Sea	0.767049652	0.56465289	-0.202397	5.33E-05
cg01821058	chr16	North Shore	0.247165451	0.044798491	-0.202367	0.001216
cg11375102	chr16	Island	0.567059299	0.365601136	-0.201458	0.043469
cg06128999	chr16	South Shore	0.534300925	0.3333649	-0.200936	0.012326
cg06376598	chr17	Open Sea	0.606682403	0.072656691	-0.534026	7.21E-11
cg12776171	chr17	Island	0.673887083	0.163404766	-0.510482	8.96E-08
cg08471713	chr17	Open Sea	0.676895521	0.172862615	-0.504033	0.011549
cg21851534	chr17	Island	0.584198039	0.097112507	-0.487086	0.014374
cg09300114	chr17	Island	0.58750837	0.127086239	-0.460422	0.000172
cg12744859	chr17	Island	0.626719848	0.167930484	-0.458789	0.009083
cg22473770	chr17	Open Sea	0.611944788	0.164190172	-0.447755	0.027321
cg00435173	chr17	Open Sea	0.625870419	0.187593302	-0.438277	0.027265
cg07673979	chr17	South Shelf	0.618282089	0.185270265	-0.433012	3.74E-08
cg14244013	chr17	Island	0.64761342	0.220999	-0.426614	9.85E-05
cg19430537	chr17	Island	0.702922249	0.277300455	-0.425622	0.005219
cg04911139	chr17	Open Sea	0.539705902	0.114735233	-0.424971	4.05E-09
cg24136700	chr17	North Shore	0.608998321	0.187215062	-0.421783	3.58E-05
cg24394631	chr17	South Shore	0.50793735	0.093148361	-0.414789	1.64E-05
cg13533061	chr17	Open Sea	0.51041017	0.102321371	-0.408089	0.000479
cg11692124	chr17	Island	0.539146449	0.131527113	-0.407619	1.97E-05
cg24439686	chr17	Open Sea	0.480412992	0.073562886	-0.40685	1.5E-07
cg16863795	chr17	Island	0.481314046	0.079564881	-0.401749	1.69E-08
cg02299328	chr17	North Shore	0.616493439	0.215331495	-0.401162	8.44E-10
cg12887033	chr17	South Shelf	0.454167906	0.057767018	-0.396401	5.85E-07
cg09313705	chr17	South Shore	0.509027358	0.11966752	-0.38936	4.08E-07
cg21327194	chr17	Island	0.556804439	0.169462426	-0.387342	0.003041
cg06412669	chr17	Open Sea	0.548535426	0.161622968	-0.386912	0.005733
cg07442907	chr17	Open Sea	0.450751982	0.066845034	-0.383907	1.3E-08
cg15938050	chr17	Open Sea	0.509187231	0.128208969	-0.380978	1.53E-05
cg10235355	chr17	Island	0.570648428	0.202882019	-0.367766	0.028089
cg22292753	chr17	Open Sea	0.556785448	0.190919079	-0.365866	0.003025
cg04030486	chr17	Island	0.53570557	0.170133487	-0.365572	0.031229
cg22583148	chr17	Island	0.485096919	0.120231459	-0.364865	0.005374
cg17746570	chr17	North Shelf	0.606265731	0.24322797	-0.363038	0.00107
cg11487526	chr17	Island	0.417091409	0.056097585	-0.360994	1.3E-06
cg11638071	chr17	South Shelf	0.521920582	0.166042515	-0.355878	0.005722
cg23796525	chr17	Open Sea	0.522662488	0.169069955	-0.353593	9.06E-08
cg08224920	chr17	Island	0.537832022	0.185860979	-0.351971	0.004873
cg22349396	chr17	Island	0.530945687	0.18834874	-0.342597	0.001159
cg21301440	chr17	Island	0.501871993	0.166092137	-0.33578	0.000154
cg06105699	chr17	Open Sea	0.710419069	0.376089847	-0.334329	3.87E-10
cg18105842	chr17	North Shore	0.57139696	0.2415211	-0.329876	1.59E-06
cg10080732	chr17	North Shore	0.531638999	0.202062684	-0.329576	0.032893
cg02398342	chr17	North Shore	0.727634301	0.398086022	-0.329548	0.044194

cg19559537	chr17	Open Sea	0.375329466	0.046429452	-0.3289	1.94E-05
cg03845363	chr17	Open Sea	0.563961158	0.235837878	-0.328123	0.025766
cg17406383	chr17	Island	0.487604271	0.159536634	-0.328068	0.039377
cg01303141	chr17	Island	0.839085038	0.517017517	-0.322068	0.018459
cg22097768	chr17	Island	0.351152922	0.03213034	-0.319023	7.99E-07
cg05166871	chr17	Open Sea	0.631221761	0.312588729	-0.318633	0.02923
cg10980948	chr17	Island	0.743909584	0.427957993	-0.315952	0.038436
cg13492227	chr17	North Shore	0.472802228	0.159528921	-0.313273	0.028164
cg25563256	chr17	North Shore	0.382761283	0.073845859	-0.308915	2.6E-05
cg14050053	chr17	South Shore	0.484519505	0.176429403	-0.30809	0.029646
cg08301181	chr17	North Shore	0.494999222	0.188891301	-0.306108	0.029792
cg04529938	chr17	Island	0.583103746	0.277622931	-0.305481	0.04077
cg22777724	chr17	South Shore	0.448237654	0.143660694	-0.304577	0.000269
cg19056772	chr17	North Shore	0.386006441	0.083062499	-0.302944	2.61E-05
cg14417329	chr17	Island	0.382744199	0.080098206	-0.302646	8.03E-05
cg12061069	chr17	North Shore	0.403697075	0.101194599	-0.302502	3.94E-06
cg12882189	chr17	South Shore	0.410559633	0.108402401	-0.302157	0.019767
cg10183965	chr17	North Shelf	0.776760498	0.474654833	-0.302106	0.000341
cg11838224	chr17	Island	0.352076547	0.050330253	-0.301746	3.21E-05
cg22027433	chr17	Island	0.35841507	0.058895964	-0.299519	1.94E-05
cg09433910	chr17	North Shore	0.568370371	0.269647065	-0.298723	0.001981
cg02574861	chr17	South Shelf	0.939387692	0.641691085	-0.297697	0.003776
cg11329058	chr17	Open Sea	0.49909511	0.203246485	-0.295849	0.037618
cg13545874	chr17	South Shore	0.373566856	0.078123005	-0.295444	0.0003
cg10543374	chr17	Island	0.840511827	0.545323072	-0.295189	0.01627
cg12788108	chr17	Island	0.478294301	0.183441465	-0.294853	0.019288
cg10140454	chr17	Island	0.666436685	0.372009333	-0.294427	0.000183
cg04293307	chr17	North Shelf	0.521832177	0.233016354	-0.288816	0.017835
cg20805367	chr17	South Shore	0.338047703	0.050457073	-0.287591	2.11E-05
cg25181144	chr17	North Shelf	0.405156491	0.117651252	-0.287505	0.000153
cg21809624	chr17	Open Sea	0.801006335	0.514565931	-0.28644	3.42E-05
cg00036408	chr17	Island	0.348489399	0.064455685	-0.284034	0.000412
cg01603973	chr17	Open Sea	0.342031991	0.058162419	-0.28387	3.33E-05
cg11794215	chr17	Open Sea	0.732043367	0.448615467	-0.283428	0.033846
cg26877678	chr17	Open Sea	0.753225857	0.472419676	-0.280806	0.0001
cg06942183	chr17	South Shore	0.37428038	0.097567188	-0.276713	0.001707
cg24355809	chr17	South Shore	0.804135423	0.527541599	-0.276594	1.58E-06
cg04858553	chr17	South Shelf	0.466237001	0.190042416	-0.276195	0.011927
cg10870160	chr17	North Shelf	0.778832323	0.50332936	-0.275503	0.002234
cg10016358	chr17	Open Sea	0.722564094	0.447554394	-0.27501	0.049424
cg10829727	chr17	Island	0.352960474	0.078275404	-0.274685	7.49E-06
cg10454193	chr17	North Shore	0.393527321	0.119487571	-0.27404	0.011605
cg07563400	chr17	South Shore	0.366539166	0.094663946	-0.271875	0.000177
cg10633463	chr17	South Shore	0.366823084	0.095046921	-0.271776	0.00025
cg23415212	chr17	Island	0.387992765	0.11758389	-0.270409	9.36E-06
cg04184297	chr17	Island	0.332030185	0.062599163	-0.269431	2.29E-05
cg00356694	chr17	Open Sea	0.380808944	0.111676404	-0.269133	0.003381
cg05953751	chr17	Island	0.83972158	0.571097613	-0.268624	1.12E-05
cg09601584	chr17	Island	0.385998362	0.1175035	-0.268495	0.030739
cg07248223	chr17	Open Sea	0.398772035	0.131056681	-0.267715	0.046657

cg19863411	chr17	Island	0.395995346	0.129025449	-0.26697	0.00039
cg11049075	chr17	North Shore	0.592224534	0.325273367	-0.266951	0.033808
cg25577130	chr17	North Shore	0.462002579	0.195566758	-0.266436	0.000261
cg09354263	chr17	South Shelf	0.845141943	0.579480452	-0.265661	0.021463
cg05744184	chr17	North Shore	0.442413332	0.177651249	-0.264762	1.8E-05
cg02143487	chr17	Island	0.340897573	0.076146034	-0.264752	0.000743
cg19942495	chr17	Island	0.364172312	0.100252897	-0.263919	3.11E-05
cg03706951	chr17	Open Sea	0.363140804	0.099498504	-0.263642	0.000886
cg14787477	chr17	North Shore	0.618870125	0.355832137	-0.263038	0.026047
cg16347155	chr17	North Shore	0.570369745	0.307776924	-0.262593	0.014919
cg04464719	chr17	North Shelf	0.75702033	0.495338638	-0.261682	0.000189
cg08129331	chr17	Open Sea	0.7448738	0.483443056	-0.261431	0.044695
cg20401567	chr17	North Shore	0.385809579	0.124753794	-0.261056	0.001644
cg25748136	chr17	North Shore	0.391470602	0.130576329	-0.260894	0.000457
cg22888787	chr17	Island	0.596095792	0.335312809	-0.260783	0.010698
cg18033628	chr17	Open Sea	0.391635485	0.132176157	-0.259459	0.044723
cg02619155	chr17	Open Sea	0.810845536	0.552569165	-0.258276	0.018192
cg23750361	chr17	South Shelf	0.902357408	0.64571284	-0.256645	0.036581
cg13755873	chr17	Island	0.362616197	0.106951094	-0.255665	0.001194
cg09628887	chr17	Island	0.327321423	0.072676046	-0.254645	8.95E-05
cg17005273	chr17	Open Sea	0.390605094	0.137012024	-0.253593	0.002315
cg01461824	chr17	Open Sea	0.35622084	0.10329705	-0.252924	0.001261
cg22763680	chr17	South Shore	0.320754946	0.068239942	-0.252515	0.000227
cg14654468	chr17	Island	0.308776533	0.05629778	-0.252479	6.78E-05
cg12184886	chr17	Island	0.358842442	0.106734621	-0.252108	0.000174
cg16776981	chr17	Island	0.78556917	0.533846407	-0.251723	0.010651
cg10715361	chr17	South Shelf	0.736703717	0.485237117	-0.251467	0.036982
cg05490023	chr17	South Shelf	0.655836252	0.404372819	-0.251463	0.007404
cg08550205	chr17	Island	0.774707248	0.524947658	-0.24976	0.027385
cg24686189	chr17	Open Sea	0.421517002	0.172243145	-0.249274	0.006173
cg01841306	chr17	North Shore	0.337903687	0.089703684	-0.2482	0.000914
cg25175654	chr17	Open Sea	0.626196483	0.378879449	-0.247317	6.46E-07
cg08195512	chr17	North Shore	0.308264861	0.065652502	-0.242612	0.000764
cg05611719	chr17	South Shore	0.41512961	0.172754524	-0.242375	0.008266
cg22807449	chr17	South Shore	0.471546118	0.230664256	-0.240882	0.042081
cg19753476	chr17	Island	0.606190887	0.365764673	-0.240426	4.77E-06
cg10024583	chr17	Island	0.358302571	0.118381794	-0.239921	0.001865
cg00498360	chr17	Open Sea	0.801805442	0.563113847	-0.238692	0.045669
cg25151916	chr17	Island	0.378253647	0.139907549	-0.238346	0.01159
cg23398508	chr17	North Shore	0.314424332	0.076209017	-0.238215	0.002
cg02915739	chr17	Island	0.749518035	0.511702625	-0.237815	0.031801
cg08817867	chr17	Open Sea	0.312929058	0.075160252	-0.237769	0.009364
cg24375215	chr17	Open Sea	0.352668986	0.114942004	-0.237727	3.85E-05
cg11267630	chr17	South Shore	0.290986043	0.053663997	-0.237322	4.41E-05
cg06827038	chr17	Open Sea	0.520592795	0.286165719	-0.234427	4.66E-06
cg01550307	chr17	Open Sea	0.321880795	0.088693994	-0.233187	0.000332
cg03000846	chr17	Island	0.62477401	0.394911605	-0.229862	0.019132
cg00549475	chr17	North Shore	0.294435946	0.065254901	-0.229181	6.1E-05
cg08296680	chr17	Island	0.272916458	0.045075533	-0.227841	0.001116
cg25032094	chr17	Island	0.458054965	0.230228857	-0.227826	0.035324

cg19533977	chr17	Open Sea	0.294624218	0.068142926	-0.226481	0.000615
cg02822259	chr17	Island	0.293817067	0.068208691	-0.225608	0.000287
cg19601328	chr17	Open Sea	0.340419757	0.115327265	-0.225092	0.036291
cg16325482	chr17	North Shore	0.334798174	0.109953668	-0.224845	0.001273
cg20464360	chr17	Island	0.736292741	0.5123668	-0.223926	3.83E-05
cg18576374	chr17	Open Sea	0.298043149	0.074989723	-0.223053	0.004179
cg02025583	chr17	Island	0.312229947	0.089786177	-0.222444	0.01838
cg18067859	chr17	North Shore	0.386328563	0.163952134	-0.222376	0.004171
cg22533606	chr17	Island	0.327297761	0.105279176	-0.222019	3.46E-05
cg12846139	chr17	Island	0.283195666	0.065081507	-0.218114	0.00221
cg11352083	chr17	North Shore	0.294254207	0.076536204	-0.217718	0.001248
cg20855296	chr17	North Shore	0.4318016	0.214529894	-0.217272	0.041594
cg05527267	chr17	Open Sea	0.79490812	0.578378303	-0.21653	0.021454
cg05276469	chr17	Island	0.289462376	0.073159076	-0.216303	0.003051
cg09269848	chr17	South Shore	0.456082318	0.239827351	-0.216255	0.011102
cg05110391	chr17	Open Sea	0.249014212	0.032912637	-0.216102	0.000833
cg11344638	chr17	Open Sea	0.58471592	0.368675221	-0.216041	2.66E-10
cg04071967	chr17	Open Sea	0.56278966	0.346778381	-0.216011	0.00781
cg25309567	chr17	North Shelf	0.881125553	0.666058771	-0.215067	1.59E-07
cg19169154	chr17	Open Sea	0.573339146	0.358653905	-0.214685	0.047847
cg15730030	chr17	Open Sea	0.379756787	0.165713643	-0.214043	0.005885
cg10351914	chr17	Open Sea	0.373240554	0.159569318	-0.213671	1.29E-05
cg05096467	chr17	Open Sea	0.608812088	0.395758504	-0.213054	0.033616
cg12117658	chr17	South Shelf	0.255345514	0.042761799	-0.212584	0.000559
cg24396400	chr17	Open Sea	0.898847985	0.686722935	-0.212125	6.63E-12
cg25069807	chr17	Open Sea	0.922584511	0.71046824	-0.212116	3.79E-05
cg14173476	chr17	Open Sea	0.790538251	0.578735133	-0.211803	0.032496
cg17210004	chr17	Open Sea	0.558058636	0.347074723	-0.210984	0.007949
cg06856735	chr17	Island	0.813216039	0.603313098	-0.209903	4.56E-05
cg08189801	chr17	Island	0.264690597	0.058233163	-0.206457	0.000206
cg15298286	chr17	Open Sea	0.32780106	0.122576691	-0.205224	0.043023
cg07778819	chr17	Island	0.294760204	0.089775337	-0.204985	0.015438
cg18156204	chr17	Island	0.243117927	0.038426304	-0.204692	0.00066
cg12552293	chr17	South Shore	0.607310845	0.403072319	-0.204239	0.00649
cg08039301	chr17	Island	0.35945104	0.155552776	-0.203898	0.000104
cg12417689	chr17	North Shore	0.701194297	0.498199776	-0.202995	0.001342
cg13416381	chr17	South Shore	0.465334661	0.263347422	-0.201987	0.024989
cg07584066	chr17	Island	0.347556754	0.145632063	-0.201925	0.033923
cg24389488	chr17	Island	0.287810594	0.087774801	-0.200036	0.018757
cg25140190	chr18	North Shore	0.683158122	0.232633856	-0.450524	4.08E-10
cg03507241	chr18	Island	0.437137506	0.030848998	-0.406289	5.48E-06
cg00737978	chr18	Open Sea	0.477099124	0.082812118	-0.394287	4.17E-07
cg07307078	chr18	Island	0.43402471	0.049333049	-0.384692	1.72E-06
cg19558029	chr18	North Shore	0.470249954	0.087745429	-0.382505	2.24E-06
cg19174643	chr18	North Shore	0.44607834	0.109959494	-0.336119	3.6E-06
cg24404630	chr18	Open Sea	0.401191318	0.065505981	-0.335685	1.68E-08
cg01288184	chr18	Open Sea	0.379020974	0.056844287	-0.322177	3.8E-05
cg16177732	chr18	Island	0.458277163	0.137865396	-0.320412	4.66E-06
cg12171183	chr18	North Shore	0.361107689	0.053089792	-0.308018	3.12E-06
cg24884543	chr18	Island	0.381485227	0.073625924	-0.307859	0.000358

cg11931731	chr18	Island	0.372352569	0.066789647	-0.305563	3.59E-05
cg23624808	chr18	Island	0.403695458	0.098355292	-0.30534	0.003731
cg16657538	chr18	Island	0.35451584	0.051907428	-0.302608	0.000151
cg16741573	chr18	Open Sea	0.401422352	0.098997203	-0.302425	5.07E-05
cg18356448	chr18	South Shore	0.789560969	0.491894159	-0.297667	1.19E-08
cg21685776	chr18	South Shore	0.463116927	0.16588438	-0.297233	0.015193
cg06080874	chr18	Island	0.388055513	0.091474876	-0.296581	0.012878
cg05529506	chr18	Island	0.33853914	0.048571507	-0.289968	3.32E-05
cg19165390	chr18	Island	0.419546243	0.143693227	-0.275853	0.009974
cg05869537	chr18	Open Sea	0.483345396	0.207902045	-0.275443	5.99E-07
cg16870867	chr18	Island	0.364244889	0.090719426	-0.273525	0.00065
cg19448837	chr18	North Shore	0.512201314	0.241426222	-0.270775	0.016632
cg03178798	chr18	Island	0.410595123	0.142191682	-0.268403	0.002167
cg00956964	chr18	Island	0.342775144	0.076706171	-0.266069	0.000461
cg00430895	chr18	North Shore	0.301254352	0.040286721	-0.260968	1.87E-05
cg22130205	chr18	South Shore	0.359439159	0.102493405	-0.256946	0.001114
cg14825976	chr18	Open Sea	0.302427408	0.050189945	-0.252237	0.000189
cg16547027	chr18	Island	0.51713492	0.268437735	-0.248697	0.026273
cg06198398	chr18	North Shore	0.286660776	0.044389864	-0.242271	0.000301
cg01022219	chr18	Island	0.513060029	0.272557687	-0.240502	0.003423
cg08076830	chr18	Island	0.392418437	0.153126426	-0.239292	0.028124
cg11950360	chr18	South Shore	0.565472829	0.326482907	-0.23899	0.044086
cg15439862	chr18	Island	0.328594853	0.0900588	-0.238536	0.00115
cg14439622	chr18	Island	0.523813957	0.291873357	-0.231941	0.035707
cg20299690	chr18	North Shelf	0.798638635	0.569226392	-0.229412	6.44E-05
cg12390344	chr18	Island	0.357505405	0.129961523	-0.227544	5.05E-05
cg12298745	chr18	Island	0.351952177	0.126854336	-0.225098	0.000778
cg13476901	chr18	South Shore	0.458776593	0.235285291	-0.223491	0.015197
cg15526954	chr18	Island	0.298426483	0.075473526	-0.222953	0.00079
cg15673034	chr18	Island	0.283382541	0.060700815	-0.222682	0.007388
cg02158486	chr18	North Shore	0.402386795	0.179717995	-0.222669	0.019068
cg21734356	chr18	North Shore	0.744962239	0.524495729	-0.220467	3.49E-06
cg06972911	chr18	South Shore	0.339821715	0.120412006	-0.21941	0.00109
cg00918181	chr18	Island	0.298999683	0.080010614	-0.218989	0.00142
cg13996395	chr18	Island	0.688123014	0.470088023	-0.218035	3.92E-05
cg20469799	chr18	North Shore	0.27485831	0.064520264	-0.210338	0.0004
cg25705486	chr18	Island	0.252612948	0.043070726	-0.209542	0.000202
cg12026967	chr18	Island	0.844968996	0.635910332	-0.209059	0.000178
cg11564711	chr18	Island	0.397891961	0.190525225	-0.207367	0.018192
cg11832722	chr18	Island	0.275907077	0.070033694	-0.205873	0.0025
cg19389293	chr18	Island	0.40540857	0.204137047	-0.201272	0.022095
cg08420572	chr19	Island	0.585166631	0.037202207	-0.547964	4.13E-12
cg13456960	chr19	North Shore	0.562477696	0.053635562	-0.508842	2.44E-09
cg24102622	chr19	Island	0.534305985	0.0396139	-0.494692	2.63E-10
cg20454073	chr19	Island	0.548802162	0.072423732	-0.476378	5.37E-10
cg02849693	chr19	Island	0.586564516	0.136701257	-0.449863	0.001148
cg12019614	chr19	Island	0.577379152	0.129902924	-0.447476	3.65E-08
cg23690893	chr19	Open Sea	0.661858187	0.216850591	-0.445008	0.000133
cg11660879	chr19	Island	0.51308591	0.069656584	-0.443429	7.25E-09
cg25716814	chr19	Island	0.489000677	0.051456774	-0.437544	1.1E-09

cg15054077	chr19	Island	0.466447365	0.04142609	-0.425021	1.53E-08
cg27304533	chr19	Island	0.488382081	0.066996474	-0.421386	2.93E-10
cg03675258	chr19	Island	0.482010005	0.064845714	-0.417164	2.35E-07
cg07517893	chr19	Island	0.469619769	0.054591442	-0.415028	9.4E-08
cg01619846	chr19	South Shore	0.485448804	0.076148164	-0.409301	1.88E-08
cg02961707	chr19	Island	0.474237575	0.076122439	-0.398115	2.39E-07
cg09547756	chr19	Island	0.533320299	0.140046467	-0.393274	0.03537
cg22436086	chr19	Island	0.622538966	0.230406123	-0.392133	0.000321
cg25801292	chr19	Island	0.473977247	0.08370947	-0.390268	4.58E-07
cg15123730	chr19	Island	0.699482204	0.310333894	-0.389148	0.000113
cg17928147	chr19	South Shore	0.448472057	0.060312145	-0.38816	6.64E-06
cg07888912	chr19	North Shore	0.466713498	0.081066631	-0.385647	1.1E-06
cg04728310	chr19	Island	0.502533408	0.120129215	-0.382404	2.76E-07
cg05345154	chr19	Island	0.481389381	0.106602098	-0.374787	0.036995
cg24923931	chr19	Island	0.706274775	0.333395297	-0.372879	0.036456
cg08865365	chr19	Island	0.46788208	0.098880568	-0.369002	1.7E-07
cg08607018	chr19	Island	0.483515333	0.114817377	-0.368698	0.000185
cg26000619	chr19	Island	0.460467508	0.094586526	-0.365881	0.002683
cg23372544	chr19	Island	0.549472996	0.196533696	-0.352939	0.021678
cg06615152	chr19	Island	0.612314544	0.265408327	-0.346906	0.023506
cg16167052	chr19	Island	0.500477919	0.153992001	-0.346486	2.65E-07
cg20092122	chr19	Open Sea	0.42475437	0.078985659	-0.345769	4.84E-06
cg11254700	chr19	Island	0.451040458	0.109686032	-0.341354	0.001299
cg17666539	chr19	Island	0.491487705	0.150192983	-0.341295	0.04649
cg10591771	chr19	North Shore	0.392400282	0.053696762	-0.338704	5.28E-05
cg15483758	chr19	South Shore	0.445464528	0.108157587	-0.337307	2.04E-06
cg26659805	chr19	Island	0.386345231	0.050659911	-0.335685	1.29E-05
cg01641792	chr19	Open Sea	0.391071009	0.055947692	-0.335123	8.98E-05
cg11299264	chr19	Open Sea	0.376069639	0.044798871	-0.331271	7.03E-06
cg08332594	chr19	Island	0.384225351	0.054346525	-0.329879	3.96E-05
cg10169241	chr19	Island	0.44994268	0.120809851	-0.329133	0.000992
cg03658337	chr19	Open Sea	0.45537928	0.131202367	-0.324177	0.008346
cg26465391	chr19	South Shore	0.403261392	0.081581656	-0.32168	3.94E-06
cg03605761	chr19	South Shore	0.65191832	0.330449222	-0.321469	0.026166
cg11896587	chr19	Island	0.412764847	0.091324392	-0.32144	1.17E-07
cg02571816	chr19	Island	0.397291403	0.075938499	-0.321353	7.76E-05
cg11325997	chr19	Island	0.417137877	0.096794854	-0.320343	8.3E-07
cg27324426	chr19	South Shore	0.413191596	0.093201633	-0.31999	2.31E-05
cg03162410	chr19	Open Sea	0.644852272	0.326600376	-0.318252	0.00661
cg22550549	chr19	Island	0.498534972	0.180902135	-0.317633	0.036245
cg15639581	chr19	North Shore	0.367037963	0.051047174	-0.315991	3.42E-07
cg21956434	chr19	Open Sea	0.540710212	0.225122821	-0.315587	1.54E-06
cg22004069	chr19	North Shelf	0.54221111	0.227701283	-0.31451	3.84E-07
cg13741406	chr19	South Shore	0.488937236	0.177059782	-0.311877	0.009715
cg17380238	chr19	Island	0.393299163	0.081561209	-0.311738	0.007822
cg22992497	chr19	Island	0.649638286	0.338043324	-0.311595	1.9E-06
cg18417954	chr19	Island	0.397855308	0.086994332	-0.310861	1.48E-07
cg11311352	chr19	North Shelf	0.418104241	0.107663355	-0.310441	0.028021
cg17110052	chr19	Open Sea	0.767754073	0.462026306	-0.305728	0.007218
cg27288226	chr19	Island	0.38723547	0.083118357	-0.304117	1.24E-05

cg14573876	chr19	South Shelf	0.55870774	0.255192059	-0.303516	0.006578
cg09578475	chr19	Island	0.364503015	0.063752104	-0.300751	8.67E-06
cg07355926	chr19	Island	0.4148374	0.114303511	-0.300534	0.007517
cg18447740	chr19	North Shore	0.564319731	0.26394521	-0.300375	1.58E-09
cg21006031	chr19	Island	0.409837636	0.112716277	-0.297121	0.035313
cg15215348	chr19	South Shore	0.48804023	0.193810978	-0.294229	0.03557
cg03562414	chr19	Island	0.415920277	0.122318079	-0.293602	0.00011
cg02812482	chr19	North Shore	0.386887517	0.093298641	-0.293589	6.14E-08
cg14252502	chr19	South Shore	0.417441704	0.125073373	-0.292368	4.45E-08
cg01268824	chr19	South Shore	0.428413997	0.13837945	-0.290035	0.000123
cg27105390	chr19	Island	0.410844159	0.121061073	-0.289783	0.019475
cg14064148	chr19	Island	0.417763992	0.130056282	-0.287708	2.73E-05
cg25685510	chr19	Open Sea	0.370268489	0.085045624	-0.285223	1.53E-06
cg22752052	chr19	Island	0.469720679	0.184660946	-0.28506	0.014234
cg17344048	chr19	South Shore	0.436997294	0.152342222	-0.284655	0.032763
cg08668790	chr19	South Shore	0.35776847	0.074768334	-0.283	0.000373
cg16200879	chr19	Island	0.388988503	0.110058282	-0.27893	0.000109
cg27480580	chr19	South Shore	0.495659306	0.217253335	-0.278406	0.00017
cg14191279	chr19	North Shelf	0.447485175	0.169106393	-0.278379	0.000192
cg07830557	chr19	South Shelf	0.37254468	0.095033058	-0.277512	0.011375
cg23218559	chr19	Island	0.365316921	0.088068228	-0.277249	0.044382
cg26824126	chr19	South Shore	0.308149164	0.032575145	-0.275574	2.29E-05
cg19399220	chr19	Island	0.551868624	0.27636043	-0.275508	0.002129
cg15746696	chr19	South Shore	0.337812765	0.062646566	-0.275166	0.000367
cg25400396	chr19	South Shore	0.382346549	0.107403767	-0.274943	0.008193
cg16572540	chr19	South Shelf	0.642844523	0.369565501	-0.273279	0.034297
cg19981796	chr19	Island	0.551671383	0.278964129	-0.272707	0.000287
cg10693058	chr19	Island	0.376308943	0.104748704	-0.27156	0.043638
cg14021375	chr19	North Shore	0.413532566	0.143903695	-0.269629	0.001399
cg09310092	chr19	North Shelf	0.382582005	0.115505037	-0.267077	0.046185
cg15007222	chr19	North Shore	0.841307507	0.574334625	-0.266973	0.030909
cg24937727	chr19	Island	0.60999335	0.34491991	-0.265073	6.43E-05
cg22231400	chr19	Island	0.37852315	0.113798475	-0.264725	0.019818
cg01483656	chr19	North Shore	0.32969497	0.065826962	-0.263868	0.009474
cg00448761	chr19	Open Sea	0.334023905	0.072152431	-0.261871	0.000221
cg13033578	chr19	Island	0.39279939	0.132174972	-0.260624	0.032579
cg25537993	chr19	Island	0.326821418	0.066207678	-0.260614	5.07E-05
cg22782873	chr19	Island	0.770163495	0.509605422	-0.260558	0.045388
cg03126579	chr19	Island	0.315630796	0.05607181	-0.259559	6.66E-05
cg09980176	chr19	North Shore	0.330490865	0.070940949	-0.25955	0.000208
cg00299047	chr19	Island	0.510942161	0.252611028	-0.258331	0.019003
cg25252585	chr19	Island	0.291112758	0.03282238	-0.25829	0.000256
cg00371453	chr19	Island	0.315460931	0.057698689	-0.257762	2.84E-05
cg06882591	chr19	Island	0.356192035	0.098935504	-0.257257	3.63E-05
cg10928466	chr19	Island	0.76221233	0.506327479	-0.255885	0.026797
cg27049766	chr19	Island	0.301310331	0.047301804	-0.254009	0.000293
cg14266237	chr19	North Shore	0.686678466	0.434848642	-0.25183	0.008843
cg24345715	chr19	Open Sea	0.283645306	0.032374241	-0.251271	1.64E-05
cg17522445	chr19	Island	0.841897689	0.591336902	-0.250561	1.28E-06
cg26918756	chr19	Island	0.3439898	0.094206341	-0.249783	8.85E-05

cg12277416	chr19	Island	0.732092889	0.483091648	-0.249001	0.020909
cg22528521	chr19	Island	0.875248351	0.626400073	-0.248848	0.009326
cg18465133	chr19	Island	0.444318792	0.195481434	-0.248837	2.21E-08
cg04052466	chr19	Island	0.326303908	0.077643781	-0.24866	0.014878
cg00286125	chr19	Island	0.327681273	0.079293672	-0.248388	0.016739
cg23031103	chr19	Open Sea	0.314432472	0.067241278	-0.247191	9.29E-05
cg19216817	chr19	North Shelf	0.693795693	0.447560038	-0.246236	0.02648
cg09515953	chr19	Island	0.33397103	0.087955603	-0.246015	0.008592
cg22513901	chr19	North Shore	0.352796434	0.107803011	-0.244993	0.005761
cg24911113	chr19	Island	0.416938454	0.17316387	-0.243775	0.000192
cg19058865	chr19	Island	0.305150622	0.061672786	-0.243478	0.000701
cg20901882	chr19	Island	0.561012818	0.317752099	-0.243261	1.45E-05
cg08871964	chr19	Island	0.394466129	0.15259405	-0.241872	0.01764
cg03234186	chr19	South Shore	0.314847909	0.073043983	-0.241804	0.000439
cg06905453	chr19	North Shore	0.33539041	0.093859057	-0.241531	0.000744
cg10132208	chr19	Island	0.327376018	0.085886042	-0.24149	3.51E-05
cg23087300	chr19	South Shore	0.474888904	0.233900621	-0.240988	0.030117
cg00848780	chr19	Island	0.458466758	0.2175597	-0.240907	0.009188
cg11584690	chr19	Open Sea	0.301100685	0.063394249	-0.237706	3.45E-05
cg17408527	chr19	Island	0.347918643	0.110506033	-0.237413	0.005251
cg02928664	chr19	Island	0.326879988	0.089669235	-0.237211	0.005237
cg05216501	chr19	Island	0.351702034	0.115671439	-0.236031	0.010716
cg15177613	chr19	Island	0.48648614	0.2509811	-0.235505	0.015795
cg03337057	chr19	Island	0.483096672	0.249046075	-0.234051	0.024499
cg01442620	chr19	North Shelf	0.630021835	0.397450728	-0.232571	0.000996
cg10374084	chr19	Island	0.408032816	0.176454354	-0.231578	0.007108
cg19648552	chr19	South Shelf	0.805824365	0.57497301	-0.230851	7.56E-06
cg23499126	chr19	Island	0.457237307	0.228113895	-0.229123	0.000322
cg25361850	chr19	South Shore	0.669370851	0.440764234	-0.228607	0.000138
cg08035555	chr19	South Shore	0.340743986	0.112699715	-0.228044	0.017413
cg11345505	chr19	South Shore	0.278738093	0.050917367	-0.227821	0.002622
cg22557662	chr19	Island	0.28266146	0.055250434	-0.227411	0.00569
cg14062238	chr19	Island	0.923989202	0.696635645	-0.227354	0.000701
cg10750464	chr19	South Shore	0.636791739	0.409811743	-0.22698	0.049114
cg15455864	chr19	South Shore	0.468455008	0.242983221	-0.225472	0.01013
cg24694329	chr19	South Shelf	0.753730904	0.528475081	-0.225256	0.021916
cg13611094	chr19	North Shelf	0.732054158	0.507638997	-0.224415	0.016045
cg02534744	chr19	Island	0.539214928	0.31480862	-0.224406	2.09E-05
cg08154437	chr19	Island	0.262568391	0.038983403	-0.223585	0.001046
cg17117277	chr19	Island	0.267921281	0.044813816	-0.223107	7.31E-06
cg19004883	chr19	South Shelf	0.757599088	0.534527181	-0.223072	0.043095
cg05213896	chr19	Island	0.327430937	0.104685975	-0.222745	0.029389
cg18660278	chr19	Open Sea	0.637186423	0.414555678	-0.222631	0.035171
cg22201588	chr19	Island	0.261479402	0.039262726	-0.222217	0.000506
cg07737503	chr19	Open Sea	0.378601998	0.156527547	-0.222074	0.006813
cg10064322	chr19	Island	0.642390264	0.420815856	-0.221574	4.44E-06
cg01573747	chr19	Island	0.266964659	0.047574127	-0.219391	0.00035
cg08067617	chr19	North Shore	0.333925168	0.115552899	-0.218372	0.007219
cg09643544	chr19	Island	0.293682385	0.075367958	-0.218314	5.63E-05
cg03491584	chr19	South Shore	0.302109624	0.085641276	-0.216468	9.7E-05

cg18851960	chr19	South Shore	0.366798869	0.150767776	-0.216031	0.003809
cg16105687	chr19	Island	0.282625424	0.066874036	-0.215751	5.99E-06
cg14753355	chr19	North Shore	0.3131377	0.098478725	-0.214659	0.036779
cg22030032	chr19	North Shelf	0.265427082	0.052498659	-0.212928	0.001835
cg09245582	chr19	North Shore	0.914766126	0.701991521	-0.212775	0.042405
cg23325673	chr19	Island	0.307166448	0.094687807	-0.212479	0.000156
cg00919077	chr19	South Shore	0.275770931	0.063541756	-0.212229	0.00025
cg06710981	chr19	Island	0.574568923	0.362419132	-0.21215	0.022938
cg03315649	chr19	Island	0.877809788	0.665849185	-0.211961	0.01017
cg20311631	chr19	Island	0.504870196	0.293356927	-0.211513	0.002822
cg06574716	chr19	Open Sea	0.329466327	0.118833101	-0.210633	0.000338
cg08264859	chr19	Island	0.716254994	0.505697003	-0.210558	0.01038
cg08873940	chr19	Island	0.884060547	0.673918514	-0.210142	4.25E-08
cg00689651	chr19	Island	0.305401104	0.095321111	-0.21008	0.046699
cg01626681	chr19	North Shore	0.26076898	0.050804507	-0.209964	4.05E-05
cg15690347	chr19	Island	0.32674964	0.117639404	-0.20911	0.002021
cg13461178	chr19	North Shore	0.255918401	0.047029593	-0.208889	5.77E-05
cg01215442	chr19	Island	0.402770053	0.194149128	-0.208621	0.043774
cg22876153	chr19	North Shelf	0.880105642	0.671857289	-0.208248	0.014448
cg02624701	chr19	Island	0.40741408	0.199299208	-0.208115	0.024918
cg06369349	chr19	Open Sea	0.349659	0.141985845	-0.207673	0.004626
cg24185443	chr19	Island	0.282254106	0.074619313	-0.207635	0.000138
cg10226967	chr19	North Shore	0.307744932	0.100524843	-0.20722	0.002237
cg17810176	chr19	North Shore	0.271123817	0.064119063	-0.207005	0.001178
cg19355079	chr19	North Shore	0.281010531	0.074067537	-0.206943	0.000769
cg06776703	chr19	Island	0.260483903	0.054413833	-0.20607	0.011778
cg03731896	chr19	South Shore	0.331213308	0.125378071	-0.205835	0.027967
cg15679064	chr19	Island	0.355398837	0.149822804	-0.205576	0.000379
cg24794228	chr19	Island	0.300876134	0.095880935	-0.204995	0.0059
cg26356061	chr19	South Shore	0.390530641	0.185941996	-0.204589	0.048925
cg12534008	chr19	Island	0.521916512	0.318571365	-0.203345	0.008577
cg03147691	chr19	North Shore	0.269042015	0.066366802	-0.202675	0.00021
cg26870745	chr19	Open Sea	0.254777025	0.052235556	-0.202541	0.001895
cg00630794	chr19	Island	0.304746877	0.102273722	-0.202473	0.000341
cg22299467	chr19	North Shore	0.296593392	0.094254652	-0.202339	5.01E-05
cg01403948	chr19	South Shore	0.320598373	0.119581668	-0.201017	0.036826
cg07608565	chr19	Island	0.392490627	0.192035995	-0.200455	0.000373
cg21105227	chr19	Island	0.27052559	0.070170161	-0.200355	0.006153
cg25513635	chr19	South Shore	0.32741838	0.127336966	-0.200081	0.000375
cg27598107	chr2	South Shore	0.64076096	0.095494311	-0.545267	5.91E-06
cg19744173	chr2	North Shelf	0.627370505	0.116144174	-0.511226	0.03378
cg03517776	chr2	North Shore	0.56683862	0.058510396	-0.508328	1.89E-08
cg05758467	chr2	South Shelf	0.68307496	0.182433088	-0.500642	2.45E-05
cg25586410	chr2	North Shore	0.603832689	0.106811911	-0.497021	1.68E-08
cg04065472	chr2	North Shore	0.566402339	0.120564969	-0.445837	0.002663
cg26575450	chr2	North Shore	0.486290478	0.049150053	-0.43714	2.62E-05
cg02348437	chr2	Open Sea	0.70281522	0.268150128	-0.434665	0.000808
cg14020052	chr2	Open Sea	0.611928445	0.179007233	-0.432921	0.035523
cg04512966	chr2	Open Sea	0.567960639	0.148481703	-0.419479	5.56E-07
cg05348875	chr2	Open Sea	0.82268947	0.413670029	-0.409019	0.003775

cg13355542	chr2	North Shelf	0.488835936	0.081762002	-0.407074	1.19E-05
cg13734338	chr2	Open Sea	0.733841162	0.32998466	-0.403857	0.039864
cg10648139	chr2	South Shore	0.495730152	0.11063333	-0.385097	0.000249
cg13758331	chr2	Open Sea	0.567783824	0.189079412	-0.378704	0.00402
cg18145759	chr2	Open Sea	0.527328578	0.1488776	-0.378451	0.02529
cg05584950	chr2	Open Sea	0.413269904	0.038585294	-0.374685	5.8E-09
cg13359689	chr2	Open Sea	0.679078823	0.309333672	-0.369745	0.011459
cg15552091	chr2	Open Sea	0.73790856	0.368283803	-0.369625	0.03175
cg02743713	chr2	South Shore	0.489544222	0.121395021	-0.368149	2.96E-07
cg23008718	chr2	Open Sea	0.470923555	0.103729088	-0.367194	0.000412
cg09305047	chr2	Open Sea	0.76617758	0.400384615	-0.365793	9.29E-08
cg11039476	chr2	South Shore	0.51359361	0.148456803	-0.365137	0.03289
cg13303069	chr2	Island	0.445302247	0.083175996	-0.362126	2.98E-07
cg05403316	chr2	Open Sea	0.562397656	0.200528428	-0.361869	0.011485
cg08493294	chr2	Island	0.467506403	0.10807048	-0.359436	0.002047
cg26471497	chr2	South Shore	0.496387813	0.139746926	-0.356641	0.025902
cg23725149	chr2	Open Sea	0.480401998	0.127056673	-0.353345	0.004509
cg23482427	chr2	Island	0.39176532	0.042272685	-0.349493	1.1E-06
cg10004780	chr2	South Shore	0.427868241	0.082063557	-0.345805	2.22E-07
cg03740612	chr2	Open Sea	0.736986975	0.391703209	-0.345284	0.001119
cg19075787	chr2	Open Sea	0.46634486	0.123747018	-0.342598	0.00052
cg18572413	chr2	Island	0.402321394	0.060069935	-0.342251	8.95E-08
cg01051524	chr2	Open Sea	0.417574907	0.076269033	-0.341306	2.73E-06
cg01572940	chr2	South Shore	0.618735055	0.277794237	-0.340941	0.000526
cg00469602	chr2	North Shelf	0.471711141	0.130799845	-0.340911	1.14E-05
cg16700364	chr2	South Shore	0.512681757	0.172877359	-0.339804	0.02098
cg17939889	chr2	Open Sea	0.504080408	0.169181674	-0.334899	0.03097
cg02598079	chr2	North Shelf	0.539701312	0.205887643	-0.333814	0.00557
cg06819718	chr2	North Shore	0.503228844	0.169436424	-0.333792	9.09E-06
cg27456468	chr2	Island	0.424010178	0.093519171	-0.330491	0.000458
cg10334703	chr2	South Shore	0.493172713	0.163583678	-0.329589	0.004974
cg01586116	chr2	Open Sea	0.373553611	0.047807093	-0.325747	0.000283
cg16228077	chr2	Open Sea	0.80252385	0.483543374	-0.31898	1.29E-08
cg05979400	chr2	South Shore	0.42879406	0.110157261	-0.318637	0.000876
cg03646261	chr2	North Shore	0.425782218	0.108650272	-0.317132	8.75E-07
cg19753675	chr2	North Shore	0.54248294	0.225424126	-0.317059	0.00269
cg06480171	chr2	Open Sea	0.388905424	0.072134364	-0.316771	0.023936
cg01464985	chr2	North Shore	0.395566284	0.07883201	-0.316734	1.65E-05
cg09240763	chr2	South Shore	0.43894737	0.123370993	-0.315576	0.016848
cg11508714	chr2	Open Sea	0.360554395	0.048928559	-0.311626	1.56E-05
cg01144053	chr2	Island	0.397800466	0.086705076	-0.311095	6.97E-06
cg16955336	chr2	Open Sea	0.480275321	0.170817619	-0.309458	0.012643
cg16248554	chr2	Open Sea	0.85570739	0.546335595	-0.309372	0.001295
cg05703053	chr2	Open Sea	0.400629225	0.095108043	-0.305521	0.004063
cg08363794	chr2	Island	0.399039734	0.096236432	-0.302803	0.000282
cg22647546	chr2	North Shore	0.558243029	0.257188061	-0.301055	7.61E-08
cg11036279	chr2	North Shore	0.429580633	0.13071776	-0.298863	2.92E-05
cg20668221	chr2	Open Sea	0.47062424	0.17209498	-0.298529	0.001315
cg21068480	chr2	Island	0.37366837	0.076170505	-0.297498	2.62E-05
cg26820636	chr2	South Shore	0.45803697	0.166412237	-0.291625	0.000539

cg16179952	chr2	Island	0.393637191	0.102033429	-0.291604	3.19E-08
cg05370101	chr2	Open Sea	0.359603505	0.068328607	-0.291275	0.000403
cg00028211	chr2	North Shore	0.508210579	0.21733728	-0.290873	0.001007
cg05847586	chr2	Island	0.402650343	0.111783621	-0.290867	0.010289
cg01472882	chr2	Island	0.393271893	0.104111654	-0.28916	0.000825
cg08402365	chr2	Island	0.473671256	0.188459569	-0.285212	0.003286
cg03190769	chr2	North Shore	0.539175475	0.25520091	-0.283975	0.005598
cg01887374	chr2	Island	0.731091788	0.448529642	-0.282562	0.000973
cg07809589	chr2	South Shelf	0.392852719	0.115161891	-0.277691	0.002158
cg13293295	chr2	Open Sea	0.38063219	0.104517911	-0.276114	6.14E-06
cg22490454	chr2	South Shore	0.408319233	0.13423159	-0.274088	0.000286
cg09287629	chr2	Island	0.490857477	0.216811883	-0.274046	0.042587
cg13354988	chr2	Island	0.367957216	0.094526611	-0.273431	7.87E-05
cg24399924	chr2	Island	0.346165882	0.073605045	-0.272561	3.14E-05
cg12055515	chr2	Open Sea	0.535765363	0.263351678	-0.272414	7.49E-05
cg20838429	chr2	Open Sea	0.563493524	0.292616766	-0.270877	0.023165
cg08347373	chr2	North Shore	0.373466474	0.103180195	-0.270286	0.006322
cg12852187	chr2	South Shore	0.509178564	0.239763946	-0.269415	0.008323
cg08737338	chr2	Open Sea	0.698116959	0.428729909	-0.269387	0.000137
cg26638505	chr2	Island	0.394290486	0.124966427	-0.269324	0.028282
cg01821161	chr2	North Shelf	0.454477671	0.186225098	-0.268253	0.011768
cg03432176	chr2	South Shore	0.341483755	0.073278325	-0.268205	0.000118
cg14311362	chr2	North Shore	0.561019016	0.293904262	-0.267115	3.12E-06
cg10765212	chr2	Open Sea	0.380643187	0.115356331	-0.265287	0.017357
cg03476109	chr2	Open Sea	0.430238696	0.165202879	-0.265036	0.008709
cg04051697	chr2	South Shore	0.847506892	0.582802141	-0.264705	0.000179
cg01383274	chr2	Island	0.317760111	0.053261489	-0.264499	1.56E-05
cg09643312	chr2	South Shore	0.382066417	0.118350589	-0.263716	0.024725
cg10982364	chr2	Island	0.395157351	0.132318492	-0.262839	0.000545
cg26874367	chr2	Open Sea	0.411035888	0.148352483	-0.262683	0.003639
cg16472050	chr2	North Shore	0.47476957	0.212728234	-0.262041	2.82E-06
cg16764274	chr2	South Shore	0.447643856	0.185983835	-0.26166	0.001259
cg08240917	chr2	Open Sea	0.840977422	0.579340765	-0.261637	0.018334
cg22996440	chr2	Island	0.498842801	0.238008599	-0.260834	0.022481
cg19071452	chr2	South Shore	0.501854995	0.241230905	-0.260624	0.014199
cg03235479	chr2	Open Sea	0.382744009	0.122915461	-0.259829	0.001414
cg11612266	chr2	Island	0.41911052	0.160302167	-0.258808	0.000766
cg24058732	chr2	North Shore	0.387643412	0.128887901	-0.258756	0.005658
cg26143752	chr2	South Shore	0.290263281	0.032191254	-0.258072	0.000206
cg27406823	chr2	Open Sea	0.336419617	0.078561555	-0.257858	0.000251
cg06761220	chr2	Open Sea	0.824237683	0.567789698	-0.256448	0.005961
cg15123692	chr2	Open Sea	0.337285999	0.083340082	-0.253946	0.002179
cg15742848	chr2	Open Sea	0.413822911	0.163191462	-0.250631	0.012928
cg04580179	chr2	Island	0.766646757	0.517545956	-0.249101	0.008613
cg24724664	chr2	Island	0.596067521	0.347011147	-0.249056	0.014202
cg23994043	chr2	Island	0.494951304	0.246162512	-0.248789	0.026589
cg24879782	chr2	Island	0.333685122	0.085377612	-0.248308	0.000494
cg01884057	chr2	Open Sea	0.375656042	0.127531178	-0.248125	0.000789
cg12757011	chr2	South Shore	0.45261538	0.204625001	-0.24799	0.020821
cg05309280	chr2	North Shore	0.760382499	0.512666962	-0.247716	7.75E-07

cg03445244	chr2	Open Sea	0.821901921	0.574916539	-0.246985	4.7E-07
cg02696169	chr2	Open Sea	0.677008725	0.430260744	-0.246748	0.013717
cg21184951	chr2	Open Sea	0.707851491	0.461702202	-0.246149	4.5E-05
cg16635948	chr2	Open Sea	0.503439317	0.257700114	-0.245739	7.81E-05
cg22539420	chr2	Island	0.383177997	0.137492085	-0.245686	0.03776
cg26382586	chr2	Island	0.574175782	0.329058593	-0.245117	4.01E-08
cg17263053	chr2	Island	0.343968164	0.09894192	-0.245026	1.03E-05
cg18921030	chr2	Open Sea	0.6988832	0.454452908	-0.24443	0.013208
cg22197050	chr2	Island	0.365966199	0.122536686	-0.24343	3.64E-05
cg22856324	chr2	Island	0.382579857	0.139249619	-0.24333	0.032732
cg11147193	chr2	North Shore	0.629466214	0.38673795	-0.242728	0.035028
cg21829923	chr2	Island	0.352389238	0.109845786	-0.242543	1.16E-05
cg22480783	chr2	Open Sea	0.294191079	0.054680694	-0.23951	0.001055
cg24936500	chr2	Island	0.339504712	0.101084818	-0.23842	0.000112
cg16361302	chr2	Island	0.342884236	0.10548329	-0.237401	0.002082
cg14757738	chr2	Open Sea	0.318779577	0.082723704	-0.236056	0.000979
cg13278353	chr2	South Shore	0.346540391	0.113877577	-0.232663	0.045715
cg04253876	chr2	Island	0.325813468	0.093553732	-0.23226	0.00044
cg18786593	chr2	South Shore	0.363014958	0.131357111	-0.231658	0.002177
cg00782200	chr2	North Shore	0.401305738	0.17089082	-0.230415	0.00225
cg25035485	chr2	North Shore	0.380785437	0.150441024	-0.230344	0.004363
cg09935994	chr2	Island	0.840657264	0.611033653	-0.229624	0.028266
cg06283342	chr2	Island	0.292268431	0.06295821	-0.22931	0.000284
cg17321385	chr2	North Shore	0.63457042	0.405920758	-0.22865	0.024765
cg09450367	chr2	North Shore	0.267194756	0.038819502	-0.228375	3.48E-06
cg14919082	chr2	Open Sea	0.336068034	0.108921372	-0.227147	0.017084
cg25537434	chr2	North Shore	0.312025154	0.085048478	-0.226977	0.00237
cg23970275	chr2	Open Sea	0.312075495	0.085138912	-0.226937	0.00029
cg03018058	chr2	North Shore	0.35804144	0.131324246	-0.226717	0.005906
cg09715353	chr2	Island	0.385393355	0.159188437	-0.226205	0.020515
cg14965639	chr2	Open Sea	0.684481829	0.458613167	-0.225869	0.000745
cg02365780	chr2	South Shore	0.454602576	0.229061929	-0.225541	0.026891
cg15135990	chr2	South Shore	0.850858066	0.626105976	-0.224752	1.03E-05
cg00255882	chr2	South Shore	0.398137533	0.174320021	-0.223818	0.012085
cg05301866	chr2	Island	0.469514751	0.246408897	-0.223106	0.01544
cg17192247	chr2	South Shore	0.42006463	0.197593099	-0.222472	0.029099
cg08690859	chr2	Island	0.395165342	0.173207546	-0.221958	0.000135
cg13176012	chr2	Island	0.335447004	0.115479537	-0.219967	0.026202
cg24206827	chr2	Open Sea	0.2939026	0.074489588	-0.219413	0.000972
cg10658666	chr2	Island	0.322771536	0.103596682	-0.219175	0.000189
cg09453076	chr2	Island	0.27896342	0.060059246	-0.218904	0.023893
cg13231954	chr2	South Shore	0.442880642	0.224918878	-0.217962	0.000706
cg22308949	chr2	Open Sea	0.588844761	0.370894587	-0.21795	5.87E-10
cg07014673	chr2	Island	0.312189359	0.094369352	-0.21782	0.001129
cg01396872	chr2	North Shore	0.262915617	0.045184005	-0.217732	0.000243
cg17517296	chr2	Open Sea	0.630750411	0.413231867	-0.217519	0.023984
cg16795804	chr2	South Shore	0.355089711	0.137710084	-0.21738	0.001344
cg13812393	chr2	Open Sea	0.600582376	0.383283405	-0.217299	0.003976
cg10425361	chr2	South Shore	0.26607007	0.050210457	-0.21586	0.001671
cg22412747	chr2	Open Sea	0.486143871	0.271097417	-0.215046	0.015494

cg00326842	chr2	Open Sea	0.257067782	0.042369154	-0.214699	7.29E-05
cg16725094	chr2	North Shore	0.352638433	0.138560158	-0.214078	5.67E-05
cg14499385	chr2	South Shore	0.337817602	0.125124446	-0.212693	0.000246
cg13099839	chr2	Island	0.303533348	0.091115907	-0.212417	0.001361
cg19416417	chr2	South Shore	0.309558655	0.097320206	-0.212238	0.008261
cg06488443	chr2	Island	0.284074777	0.072113368	-0.211961	0.001417
cg13681655	chr2	Open Sea	0.751154888	0.539746228	-0.211409	0.013847
cg04364261	chr2	South Shore	0.295010309	0.083786397	-0.211224	0.000399
cg20706438	chr2	South Shore	0.347355383	0.136256609	-0.211099	0.044101
cg01287476	chr2	Island	0.600392807	0.390036934	-0.210356	0.009683
cg09672358	chr2	Open Sea	0.260508679	0.050462451	-0.210046	0.00036
cg13339791	chr2	Open Sea	0.294989737	0.085629017	-0.209361	0.000489
cg20599967	chr2	Island	0.278985216	0.069953834	-0.209031	0.000111
cg14645545	chr2	Island	0.280427096	0.072037811	-0.208389	0.000929
cg23497383	chr2	Island	0.27323439	0.064923746	-0.208311	0.046859
cg12021814	chr2	Island	0.302627224	0.094485054	-0.208142	0.00107
cg15380115	chr2	South Shore	0.818754134	0.61132907	-0.207425	0.002771
cg20697464	chr2	Open Sea	0.423483524	0.216422131	-0.207061	0.035206
cg07455789	chr2	Open Sea	0.318507524	0.111671226	-0.206836	0.001637
cg25785397	chr2	South Shore	0.309193273	0.102533263	-0.20666	0.027148
cg17253709	chr2	Open Sea	0.505481365	0.29907214	-0.206409	0.000376
cg17360781	chr2	Island	0.318980723	0.114018844	-0.204962	0.002523
cg07875385	chr2	Open Sea	0.27869377	0.074064044	-0.20463	0.012661
cg13220917	chr2	North Shore	0.668510131	0.464039805	-0.20447	0.000818
cg12969193	chr2	North Shore	0.34802964	0.144123182	-0.203906	0.001379
cg24768561	chr2	Island	0.596071978	0.392255822	-0.203816	0.01327
cg23546474	chr2	Island	0.307374122	0.103866063	-0.203508	0.01398
cg07873848	chr2	North Shore	0.369289254	0.166281953	-0.203007	0.007764
cg05136531	chr2	South Shore	0.261121497	0.059137443	-0.201984	0.000265
cg25391948	chr2	Open Sea	0.84481191	0.642863021	-0.201949	0.000878
cg04067066	chr2	North Shore	0.481796638	0.280003841	-0.201793	0.003485
cg15742777	chr2	Open Sea	0.491268606	0.290849297	-0.200419	9.69E-05
cg06942701	chr2	Island	0.382095603	0.18174247	-0.200353	0.000608
cg04628369	chr20	Island	0.606056809	0.072461951	-0.533595	1.39E-08
cg11988036	chr20	Island	0.579907701	0.065773101	-0.514135	0.00062
cg06793974	chr20	Island	0.483101943	0.065560916	-0.417541	1.64E-09
cg20430047	chr20	Open Sea	0.688024583	0.277484436	-0.41054	6.96E-05
cg26733301	chr20	South Shore	0.486126045	0.089752527	-0.396374	6.48E-08
cg26404172	chr20	North Shore	0.454779747	0.062982331	-0.391797	2.79E-07
cg11577716	chr20	Open Sea	0.573709707	0.207985831	-0.365724	8.63E-05
cg26267561	chr20	Island	0.758968083	0.394715652	-0.364252	0.035572
cg14424538	chr20	Island	0.40278993	0.040738734	-0.362051	3.04E-06
cg26396492	chr20	Open Sea	0.480661729	0.12550758	-0.355154	0.011674
cg24994127	chr20	Island	0.614300756	0.268759658	-0.345541	0.000165
cg01521397	chr20	South Shelf	0.737646718	0.3999537	-0.337693	0.045113
cg01073332	chr20	North Shore	0.475168672	0.13849214	-0.336677	1.16E-06
cg17142870	chr20	South Shore	0.656605726	0.330644294	-0.325961	3.39E-06
cg06261066	chr20	Open Sea	0.410122378	0.088637497	-0.321485	1.89E-05
cg25948982	chr20	Open Sea	0.416365311	0.097075002	-0.31929	0.000423
cg15815827	chr20	South Shelf	0.534383544	0.218335593	-0.316048	0.017911

cg26234223	chr20	North Shore	0.458926957	0.144343905	-0.314583	0.00486
cg08587504	chr20	South Shore	0.819005544	0.518761139	-0.300244	0.044532
cg22763649	chr20	North Shore	0.459632079	0.161825223	-0.297807	1.42E-06
cg23145794	chr20	North Shore	0.415691589	0.118216081	-0.297476	0.019637
cg19391247	chr20	Open Sea	0.35859362	0.072865044	-0.285729	2.54E-05
cg11263351	chr20	North Shore	0.450415563	0.16676723	-0.283648	0.046385
cg26232247	chr20	Open Sea	0.416876996	0.134093067	-0.282784	0.001145
cg05355067	chr20	North Shelf	0.889032865	0.606848548	-0.282184	0.009985
cg06588605	chr20	North Shore	0.379940817	0.098661705	-0.281279	0.013539
cg16547579	chr20	Open Sea	0.435010339	0.156561694	-0.278449	0.002948
cg16178855	chr20	Open Sea	0.866216137	0.593529364	-0.272687	0.008669
cg24182521	chr20	South Shore	0.339474583	0.069285996	-0.270189	2.09E-05
cg14801864	chr20	Open Sea	0.789007952	0.520898141	-0.26811	0.008481
cg07333305	chr20	Open Sea	0.549337688	0.291863469	-0.257474	0.002427
cg10555583	chr20	Island	0.296281715	0.041710494	-0.254571	8.11E-05
cg27274542	chr20	Island	0.503179801	0.250552992	-0.252627	0.013769
cg04682802	chr20	Open Sea	0.360877194	0.108894252	-0.251983	0.004028
cg24874350	chr20	Island	0.413651306	0.163553672	-0.250098	0.000367
cg15004136	chr20	North Shore	0.468933544	0.219133256	-0.2498	0.001742
cg15821319	chr20	North Shore	0.33192149	0.090168484	-0.241753	0.000166
cg04504205	chr20	Open Sea	0.367756409	0.126918392	-0.240838	0.002843
cg02311725	chr20	North Shore	0.407599134	0.16691222	-0.240687	7.84E-05
cg21132536	chr20	South Shore	0.379924327	0.141074166	-0.23885	0.018635
cg02988798	chr20	Island	0.410041184	0.172010192	-0.238031	0.009397
cg00727912	chr20	North Shore	0.326378424	0.089732446	-0.236646	7.59E-05
cg00626515	chr20	South Shore	0.850443591	0.617345215	-0.233098	2.52E-09
cg03999872	chr20	Island	0.340543268	0.109020304	-0.231523	0.009744
cg08304608	chr20	Open Sea	0.814931083	0.588649266	-0.226282	0.043896
cg20732137	chr20	Open Sea	0.904220842	0.678577145	-0.225644	0.031212
cg08736638	chr20	North Shore	0.311606022	0.088669428	-0.222937	0.00075
cg07549715	chr20	North Shelf	0.674250833	0.455531134	-0.21872	9.59E-05
cg00260802	chr20	Island	0.42434021	0.205701449	-0.218639	0.014938
cg10305789	chr20	North Shore	0.266768775	0.053081261	-0.213688	0.000276
cg23843505	chr20	Island	0.302530319	0.099751913	-0.202778	0.026669
cg15560495	chr20	South Shore	0.259930147	0.059309225	-0.200621	0.000248
cg14081667	chr21	Island	0.572909367	0.037431064	-0.535478	8.1E-10
cg24865779	chr21	North Shore	0.528213859	0.054882025	-0.473332	8.01E-08
cg21241823	chr21	Open Sea	0.565912594	0.137740906	-0.428172	2.27E-05
cg02260098	chr21	Island	0.465606567	0.082065132	-0.383541	1.53E-08
cg22212414	chr21	North Shore	0.42945603	0.049840952	-0.379615	3.26E-06
cg10572943	chr21	North Shore	0.404455332	0.071487362	-0.332968	1.31E-05
cg05973398	chr21	Open Sea	0.432468969	0.161949225	-0.27052	0.029437
cg23163200	chr21	Open Sea	0.465214342	0.200795731	-0.264419	0.004973
cg03803086	chr21	Open Sea	0.557485833	0.293453085	-0.264033	0.013776
cg13524919	chr21	Island	0.492271679	0.245688143	-0.246584	0.001017
cg18069493	chr21	South Shore	0.432121725	0.18609748	-0.246024	0.043095
cg14583871	chr21	Island	0.347908298	0.10669449	-0.241214	5E-05
cg25385366	chr21	Open Sea	0.342318449	0.119730184	-0.222588	0.000955
cg15209808	chr22	Island	0.57786879	0.159973803	-0.417895	0.02027
cg15770575	chr22	North Shelf	0.728482754	0.322160814	-0.406322	0.002996

cg01141459	chr22	Island	0.566396241	0.171211039	-0.395185	0.000265
cg05602642	chr22	North Shore	0.564730299	0.199182011	-0.365548	0.000377
cg04046669	chr22	Island	0.424679939	0.077674281	-0.347006	1.9E-07
cg23268208	chr22	Island	0.534907708	0.206488886	-0.328419	0.046698
cg14509403	chr22	Island	0.461782236	0.136129662	-0.325653	0.014582
cg26842622	chr22	South Shore	0.501065094	0.183382247	-0.317683	7.1E-05
cg27610821	chr22	Island	0.427983096	0.12632498	-0.301658	0.000101
cg10941566	chr22	Island	0.454845241	0.156982439	-0.297863	0.043499
cg20164887	chr22	Island	0.384566799	0.101785757	-0.282781	8.28E-05
cg01383955	chr22	Open Sea	0.350872651	0.06937957	-0.281493	5.14E-06
cg19414598	chr22	Island	0.344806829	0.065273888	-0.279533	0.000265
cg21268578	chr22	Open Sea	0.336907878	0.061380233	-0.275528	0.000128
cg18436500	chr22	Island	0.623974521	0.354212386	-0.269762	0.022448
cg05338724	chr22	South Shore	0.81554438	0.552081834	-0.263463	0.043743
cg07264666	chr22	Open Sea	0.473492981	0.213085722	-0.260407	0.007075
cg05329888	chr22	Island	0.295255144	0.039579481	-0.255676	0.000181
cg14983728	chr22	North Shore	0.358110305	0.1038269	-0.254283	1.53E-06
cg19582200	chr22	North Shelf	0.614842054	0.363509827	-0.251332	0.000492
cg14324805	chr22	South Shore	0.754162097	0.506339727	-0.247822	0.010467
cg27098470	chr22	Open Sea	0.359631869	0.112261632	-0.24737	0.0375
cg12511214	chr22	Island	0.430883099	0.185772479	-0.245111	0.017972
cg06516947	chr22	Open Sea	0.355097363	0.111369876	-0.243727	0.000605
cg00539347	chr22	Open Sea	0.2927094	0.05039714	-0.242312	0.000591
cg00308159	chr22	Island	0.293678161	0.053107384	-0.240571	0.001047
cg25246692	chr22	Open Sea	0.314402325	0.089020717	-0.225382	0.001782
cg02948259	chr22	North Shore	0.87574052	0.651155722	-0.224585	0.015837
cg23772226	chr22	Open Sea	0.562439676	0.338998587	-0.223441	0.002361
cg12068816	chr22	Island	0.364673805	0.141671743	-0.223002	3.91E-05
cg05389174	chr22	Open Sea	0.749095062	0.526355676	-0.222739	0.017746
cg06268694	chr22	Island	0.299559909	0.079658847	-0.219901	0.003967
cg00930606	chr22	North Shore	0.721078101	0.50321766	-0.21786	0.036324
cg11677105	chr22	South Shore	0.428466316	0.211394445	-0.217072	0.001553
cg03365751	chr22	Open Sea	0.302632726	0.085564814	-0.217068	0.000103
cg04485799	chr22	Island	0.331418339	0.116503704	-0.214915	0.003025
cg19713460	chr22	North Shore	0.319078722	0.10460582	-0.214473	0.000875
cg07059402	chr22	North Shore	0.478975352	0.266287947	-0.212687	0.003684
cg13671601	chr22	Island	0.317820934	0.105627761	-0.212193	0.012733
cg11860005	chr22	North Shore	0.312780146	0.100990484	-0.21179	0.016022
cg17568996	chr22	Open Sea	0.249029655	0.037582821	-0.211447	0.000106
cg20797203	chr22	North Shore	0.46015631	0.250034459	-0.210122	0.002733
cg19764436	chr22	Island	0.308742277	0.10096375	-0.207779	6.76E-05
cg07044422	chr22	Open Sea	0.453698344	0.246073179	-0.207625	0.023054
cg11461302	chr22	Open Sea	0.67709252	0.470764861	-0.206328	0.033304
cg17174023	chr22	Island	0.277500081	0.075026304	-0.202474	0.003103
cg13003054	chr22	Island	0.298264141	0.09610562	-0.202159	0.000768
cg02238178	chr22	Open Sea	0.294636585	0.094014889	-0.200622	0.000152
cg15554421	chr3	Open Sea	0.672836428	0.194129867	-0.478707	0.045729
cg06172942	chr3	Island	0.476856264	0.037441506	-0.439415	1.37E-08
cg08038033	chr3	Open Sea	0.509887572	0.072032232	-0.437855	9.12E-06
cg07475026	chr3	Open Sea	0.653832921	0.21877898	-0.435054	0.0219

cg12198140	chr3	Open Sea	0.520312461	0.08653348	-0.433779	7.14E-09
cg02128651	chr3	Island	0.46565745	0.036826429	-0.428831	1.33E-07
cg11377213	chr3	Open Sea	0.606955256	0.178619718	-0.428336	0.004025
cg03544474	chr3	Open Sea	0.488974202	0.074519071	-0.414455	6.03E-07
cg24859722	chr3	Island	0.552572309	0.14508022	-0.407492	0.014875
cg16924010	chr3	South Shelf	0.661548123	0.256456005	-0.405092	0.002503
cg18548864	chr3	Open Sea	0.590762202	0.189449672	-0.401313	0.043348
cg25747192	chr3	Island	0.426013421	0.037023357	-0.38899	5.44E-07
cg21569635	chr3	South Shore	0.458839591	0.071065717	-0.387774	9.68E-07
cg04754652	chr3	Open Sea	0.658465114	0.271862566	-0.386603	1.01E-08
cg03670452	chr3	Island	0.49532031	0.11830482	-0.377015	7.75E-05
cg05048976	chr3	Island	0.459482469	0.082709346	-0.376773	1.55E-06
cg07130266	chr3	Island	0.444765717	0.068557487	-0.376208	1.26E-06
cg08047457	chr3	Island	0.405672148	0.03883535	-0.366837	4.66E-07
cg24663845	chr3	Open Sea	0.725002094	0.361372567	-0.36363	0.039755
cg25821785	chr3	South Shore	0.503014643	0.147724815	-0.35529	9.47E-05
cg20382675	chr3	Open Sea	0.647977402	0.295367336	-0.35261	1.33E-06
cg05625284	chr3	North Shore	0.769238952	0.417412177	-0.351827	0.004246
cg16021018	chr3	Open Sea	0.42558845	0.077708324	-0.34788	1.31E-06
cg08832220	chr3	Island	0.48356213	0.139414269	-0.344148	1.21E-05
cg00777121	chr3	Island	0.384161778	0.042131436	-0.34203	2.76E-07
cg18489755	chr3	Open Sea	0.840817336	0.506073179	-0.334744	0.02623
cg25365006	chr3	Open Sea	0.814361088	0.479856098	-0.334505	0.012221
cg02635726	chr3	Open Sea	0.364057425	0.031660716	-0.332397	1.72E-06
cg26339924	chr3	Open Sea	0.423072656	0.094807104	-0.328266	2.48E-09
cg10798682	chr3	Open Sea	0.752180414	0.425041656	-0.327139	0.010123
cg00718400	chr3	North Shore	0.70821365	0.383297491	-0.324916	0.018705
cg09852607	chr3	North Shore	0.46395173	0.139059019	-0.324893	0.009506
cg20684180	chr3	Island	0.382784093	0.057990535	-0.324794	6.01E-05
cg12298268	chr3	Island	0.477410933	0.152823558	-0.324587	0.000723
cg23881725	chr3	Island	0.372549391	0.049947631	-0.322602	9.34E-06
cg21554552	chr3	Island	0.354705946	0.034565206	-0.320141	2.55E-05
cg15988232	chr3	Island	0.710070937	0.391505167	-0.318566	0.047689
cg06637517	chr3	Open Sea	0.382527942	0.065838476	-0.316689	6.32E-05
cg01102073	chr3	North Shore	0.479492007	0.168409592	-0.311082	0.00438
cg27569446	chr3	Island	0.348195022	0.039037207	-0.309158	1.18E-05
cg13872831	chr3	Island	0.358907601	0.053282857	-0.305625	2.68E-08
cg25736251	chr3	North Shore	0.504687683	0.199557234	-0.30513	6.86E-05
cg23199335	chr3	Open Sea	0.350008017	0.050306699	-0.299701	5.7E-05
cg15315056	chr3	Open Sea	0.364253064	0.064898971	-0.299354	1.59E-05
cg04908625	chr3	Island	0.628524043	0.332471728	-0.296052	0.002551
cg18918831	chr3	Island	0.70248094	0.407532799	-0.294948	0.00109
cg04773529	chr3	Open Sea	0.35048424	0.061794856	-0.288689	2.14E-05
cg13799772	chr3	Open Sea	0.76013933	0.473650512	-0.286489	0.019984
cg09678212	chr3	Island	0.503274896	0.21970121	-0.283574	0.000687
cg09596674	chr3	Island	0.425992123	0.143376668	-0.282615	0.042263
cg04289624	chr3	Island	0.404874408	0.129237001	-0.275637	0.000179
cg16957940	chr3	Open Sea	0.868950562	0.593423211	-0.275527	0.015607
cg06570224	chr3	Island	0.537033742	0.265642677	-0.271391	0.011635
cg13071386	chr3	Island	0.381704762	0.11381478	-0.26789	0.000806

cg05371578	chr3	Island	0.350083586	0.083641702	-0.266442	0.002136
cg06201393	chr3	North Shore	0.327478794	0.061376945	-0.266102	6.01E-05
cg10935762	chr3	North Shelf	0.445416342	0.17980029	-0.265616	0.034061
cg12966367	chr3	Island	0.305285417	0.039802062	-0.265483	4.11E-05
cg00101715	chr3	North Shore	0.360565428	0.097957313	-0.262608	0.001379
cg25772723	chr3	Island	0.423705962	0.161728282	-0.261978	0.009702
cg13679679	chr3	North Shore	0.567442219	0.30728799	-0.260154	0.005334
cg25486143	chr3	Island	0.286713768	0.026946542	-0.259767	1.96E-05
cg19213703	chr3	Open Sea	0.74888251	0.490897471	-0.257985	0.000286
cg00936626	chr3	North Shore	0.688359537	0.430676081	-0.257683	0.040112
cg01406312	chr3	Island	0.414830714	0.157584349	-0.257246	0.000424
cg12598089	chr3	North Shore	0.42011718	0.162969327	-0.257148	0.005444
cg15878317	chr3	Island	0.303721699	0.04679414	-0.256928	0.00042
cg18404374	chr3	North Shore	0.387610087	0.131788859	-0.255821	0.036013
cg24719910	chr3	Open Sea	0.780500398	0.524819211	-0.255681	0.031763
cg06822689	chr3	Island	0.299876706	0.046869005	-0.253008	0.000219
cg09666573	chr3	Open Sea	0.369316034	0.116645858	-0.25267	6.27E-06
cg06796779	chr3	North Shore	0.420766887	0.168117098	-0.25265	0.029043
cg06306198	chr3	Island	0.34576575	0.094230762	-0.251535	0.000442
cg27089226	chr3	Open Sea	0.32968071	0.080443254	-0.249237	1.7E-06
cg22892432	chr3	South Shore	0.809001179	0.560309161	-0.248692	0.002855
cg10787919	chr3	Open Sea	0.353187303	0.105798915	-0.247388	0.00111
cg23448486	chr3	North Shore	0.304201923	0.057739166	-0.246463	0.000504
cg03277049	chr3	Island	0.358542376	0.112259653	-0.246283	0.001182
cg00217306	chr3	Open Sea	0.39909815	0.152959025	-0.246139	0.002988
cg07771727	chr3	Open Sea	0.326222063	0.080508568	-0.245713	0.02695
cg17571559	chr3	Open Sea	0.514817192	0.270423825	-0.244393	0.016382
cg16180552	chr3	South Shore	0.826607059	0.582583731	-0.244023	0.046236
cg24159214	chr3	Island	0.316792264	0.076073701	-0.240719	0.006137
cg22092811	chr3	Island	0.300916431	0.060598507	-0.240318	0.000322
cg05095591	chr3	North Shore	0.294896081	0.054965525	-0.239931	0.002262
cg00210994	chr3	North Shore	0.281628514	0.042451288	-0.239177	0.002251
cg01601299	chr3	North Shore	0.609444642	0.370451984	-0.238993	3.04E-07
cg05141432	chr3	South Shore	0.341605575	0.103982897	-0.237623	6.5E-07
cg27642784	chr3	North Shore	0.540654353	0.304064945	-0.236589	0.000473
cg13015925	chr3	North Shore	0.338412586	0.102801794	-0.235611	0.012821
cg03393017	chr3	North Shore	0.352851197	0.118578404	-0.234273	0.006009
cg05700079	chr3	North Shore	0.333294181	0.099061521	-0.234233	0.004718
cg07358254	chr3	Open Sea	0.723623885	0.490368554	-0.233255	1.07E-05
cg11145160	chr3	Island	0.328538901	0.095450942	-0.233088	0.003645
cg01178099	chr3	Open Sea	0.400195504	0.16770753	-0.232488	0.016156
cg20042291	chr3	South Shore	0.702090005	0.46972234	-0.232368	1.48E-07
cg05057834	chr3	South Shore	0.357435435	0.125944755	-0.231491	7.46E-05
cg11883836	chr3	Island	0.736136202	0.506255209	-0.229881	0.000221
cg05662500	chr3	Island	0.273358996	0.044310859	-0.229048	0.001241
cg13907146	chr3	Island	0.312865972	0.084985769	-0.22788	0.000152
cg24851513	chr3	Open Sea	0.402448379	0.175501306	-0.226947	0.001059
cg18337222	chr3	South Shore	0.39452366	0.169435261	-0.225088	0.00188
cg17611045	chr3	Open Sea	0.336235045	0.111160768	-0.225074	0.01796
cg21821982	chr3	Open Sea	0.392956598	0.16833768	-0.224619	0.002604

cg03839949	chr3	Island	0.358713443	0.134331348	-0.224382	0.000195
cg15963552	chr3	North Shore	0.268253274	0.044285125	-0.223968	0.000438
cg07892374	chr3	Open Sea	0.39162627	0.167712341	-0.223914	0.010123
cg26554505	chr3	North Shore	0.282345599	0.058885033	-0.223461	0.000955
cg27423228	chr3	South Shore	0.316635938	0.094503383	-0.222133	0.000742
cg17445812	chr3	Island	0.458654931	0.236943792	-0.221711	2.64E-05
cg20096204	chr3	North Shore	0.30553431	0.084493887	-0.22104	0.000387
cg13483882	chr3	South Shore	0.389302182	0.168291957	-0.22101	0.022402
cg05513806	chr3	South Shore	0.325885534	0.105217812	-0.220668	0.000644
cg17293936	chr3	Island	0.299860594	0.079550097	-0.22031	0.001135
cg19245758	chr3	North Shore	0.257676503	0.0394828	-0.218194	0.000302
cg18143296	chr3	Island	0.300052705	0.082259377	-0.217793	0.000108
cg01814130	chr3	Open Sea	0.828259831	0.611054553	-0.217205	5.48E-10
cg11165881	chr3	North Shore	0.48575247	0.269174775	-0.216578	0.003162
cg16615211	chr3	North Shore	0.315525832	0.099971383	-0.215554	0.002104
cg00096328	chr3	Open Sea	0.546735926	0.331887792	-0.214848	0.014496
cg00457403	chr3	North Shore	0.277902816	0.064676701	-0.213226	0.00047
cg07852825	chr3	Island	0.410746443	0.197612863	-0.213134	0.011733
cg02241759	chr3	North Shore	0.570778697	0.358722149	-0.212057	0.004008
cg00807586	chr3	Island	0.266959278	0.055416597	-0.211543	0.000936
cg02924943	chr3	North Shore	0.262564005	0.052166202	-0.210398	0.000782
cg03459811	chr3	Open Sea	0.783386916	0.573346199	-0.210041	0.027444
cg16276063	chr3	Open Sea	0.31398111	0.103992213	-0.209989	0.003412
cg12102181	chr3	North Shelf	0.588223506	0.378671569	-0.209552	0.000767
cg06369327	chr3	North Shelf	0.27525738	0.065799288	-0.209458	0.000283
cg10627428	chr3	South Shore	0.324936459	0.116058829	-0.208878	2.45E-05
cg18998911	chr3	Open Sea	0.272858666	0.064874272	-0.207984	0.000656
cg07581883	chr3	North Shore	0.537288362	0.330548668	-0.20674	0.000298
cg14473344	chr3	Island	0.291643005	0.087902142	-0.203741	0.000298
cg03155027	chr3	South Shore	0.492595604	0.289665551	-0.20293	0.002274
cg16904330	chr3	South Shore	0.272399276	0.06961447	-0.202785	0.002877
cg07891507	chr3	South Shore	0.251604151	0.048979987	-0.202624	0.000789
cg17646820	chr3	Open Sea	0.276488238	0.075039024	-0.201449	0.001472
cg08095700	chr3	South Shore	0.366757481	0.165623997	-0.201133	0.020858
cg12976582	chr3	Island	0.458775827	0.257849859	-0.200926	0.029065
cg00890363	chr4	North Shelf	0.617377888	0.051462769	-0.565915	4.85E-14
cg07816074	chr4	Open Sea	0.735007782	0.185605292	-0.549402	0.00847
cg09354241	chr4	North Shelf	0.59130357	0.067711034	-0.523593	1.03E-08
cg03476195	chr4	Open Sea	0.591522636	0.088281345	-0.503241	5.57E-10
cg05658107	chr4	Open Sea	0.557120337	0.112297121	-0.444823	0.002323
cg03967798	chr4	Open Sea	0.575348858	0.134596039	-0.440753	0.005261
cg10531263	chr4	Open Sea	0.47446625	0.04577322	-0.428693	3.91E-09
cg04370174	chr4	Open Sea	0.620255668	0.193229683	-0.427026	3.11E-10
cg20815297	chr4	North Shore	0.519533672	0.093741772	-0.425792	4E-12
cg18817990	chr4	North Shore	0.755135766	0.348986472	-0.406149	0.043298
cg17805540	chr4	Island	0.485416508	0.083986894	-0.40143	1.04E-06
cg02060584	chr4	Open Sea	0.531062375	0.138516209	-0.392546	0.000161
cg01268541	chr4	Open Sea	0.475532071	0.084101087	-0.391431	1.82E-06
cg00547103	chr4	Open Sea	0.573498616	0.182242619	-0.391256	0.002456
cg24495585	chr4	Island	0.434132069	0.047308532	-0.386824	8.4E-07

cg09160776	chr4	Island	0.54672542	0.162201718	-0.384524	0.006376
cg03215181	chr4	South Shore	0.463693047	0.08324383	-0.380449	4.85E-07
cg20332195	chr4	South Shore	0.662644238	0.283832928	-0.378811	0.000179
cg15696058	chr4	Open Sea	0.454652336	0.078615473	-0.376037	2.69E-08
cg25243082	chr4	Open Sea	0.549630797	0.174212483	-0.375418	0.023581
cg10574494	chr4	South Shore	0.470611235	0.100136515	-0.370475	0.002016
cg26839512	chr4	South Shore	0.443847534	0.077911835	-0.365936	9.66E-05
cg17809748	chr4	North Shore	0.440545459	0.077722901	-0.362823	1.94E-05
cg04448477	chr4	North Shore	0.469280571	0.110701309	-0.358579	1.75E-05
cg17031543	chr4	South Shore	0.441649028	0.085990533	-0.355658	5.92E-06
cg16742873	chr4	Island	0.513037669	0.161093308	-0.351944	0.018456
cg15400629	chr4	North Shore	0.523050781	0.173969578	-0.349081	0.041026
cg00206356	chr4	Island	0.450320415	0.105767071	-0.344553	2.02E-06
cg04605681	chr4	Open Sea	0.593280832	0.251573664	-0.341707	0.039235
cg27147000	chr4	South Shore	0.424816233	0.083673546	-0.341143	1.45E-05
cg24721899	chr4	Island	0.382975245	0.04413261	-0.338843	8.81E-07
cg14326413	chr4	North Shore	0.386082687	0.047748496	-0.338334	0.000289
cg09451574	chr4	South Shore	0.719979945	0.382785093	-0.337195	6.21E-05
cg05826175	chr4	Open Sea	0.518617774	0.1829891	-0.335629	0.000162
cg05211868	chr4	North Shore	0.489723017	0.158282819	-0.33144	0.015606
cg19974227	chr4	North Shelf	0.437277871	0.107452453	-0.329825	0.001418
cg02758628	chr4	Island	0.433193021	0.107839093	-0.325354	0.001771
cg21739530	chr4	Open Sea	0.368196721	0.05074095	-0.317456	8.35E-06
cg01610979	chr4	Open Sea	0.443281935	0.129808951	-0.313473	0.017544
cg14343210	chr4	Open Sea	0.627458896	0.314052547	-0.313406	0.00148
cg23874561	chr4	Island	0.360124167	0.047178332	-0.312946	2.94E-05
cg14855874	chr4	South Shore	0.360301427	0.050622054	-0.309679	2.4E-05
cg20817902	chr4	Island	0.340744575	0.033200826	-0.307544	0.000512
cg25913520	chr4	North Shore	0.407842502	0.100811743	-0.307031	1.65E-05
cg10203211	chr4	Island	0.469599069	0.165505296	-0.304094	0.002471
cg24811290	chr4	Open Sea	0.343252218	0.041540581	-0.301712	3.76E-06
cg09062218	chr4	Open Sea	0.677047931	0.377520795	-0.299527	0.00116
cg21279601	chr4	North Shore	0.666494121	0.367331677	-0.299162	0.030227
cg16565913	chr4	Island	0.377755344	0.07939148	-0.298364	4.44E-05
cg18489994	chr4	Open Sea	0.489926989	0.191602058	-0.298325	0.020399
cg05974274	chr4	North Shore	0.336596907	0.038556708	-0.29804	0.000735
cg15556886	chr4	North Shore	0.368114563	0.070418888	-0.297696	0.001284
cg15555527	chr4	Island	0.70414255	0.410117606	-0.294025	0.032835
cg26796245	chr4	Open Sea	0.419094856	0.125510763	-0.293584	0.000686
cg22839308	chr4	Open Sea	0.349577735	0.056317348	-0.29326	0.00029
cg24973755	chr4	Island	0.767581337	0.475927258	-0.291654	0.020139
cg20128928	chr4	Island	0.503082408	0.213808799	-0.289274	0.011431
cg24586554	chr4	Open Sea	0.706490454	0.417400148	-0.28909	0.000194
cg23109968	chr4	Open Sea	0.374738665	0.08584273	-0.288896	2.2E-06
cg12426146	chr4	Island	0.530024476	0.242102257	-0.287922	0.021966
cg15137566	chr4	Island	0.355910799	0.070827367	-0.285083	7.39E-05
cg10800833	chr4	Island	0.346571022	0.061705068	-0.284866	0.000164
cg24881973	chr4	South Shore	0.576330445	0.291656305	-0.284674	1.05E-05
cg23995914	chr4	Island	0.444023715	0.159426688	-0.284597	0.000231
cg21480264	chr4	Open Sea	0.724866017	0.440447003	-0.284419	6.04E-07

cg25216704	chr4	North Shore	0.429006849	0.149396177	-0.279611	0.005199
cg04300684	chr4	South Shore	0.688480442	0.415239317	-0.273241	1.17E-05
cg22681784	chr4	North Shore	0.421203213	0.148398242	-0.272805	0.00228
cg23550826	chr4	North Shore	0.385994477	0.114628251	-0.271366	0.019818
cg21026199	chr4	Open Sea	0.57180553	0.301014908	-0.270791	0.00549
cg24024036	chr4	Open Sea	0.761047855	0.492884705	-0.268163	0.000413
cg25982657	chr4	Open Sea	0.395764594	0.128269783	-0.267495	0.022106
cg12654519	chr4	Open Sea	0.42755564	0.160400347	-0.267155	0.001739
cg08757862	chr4	Open Sea	0.397092356	0.130640203	-0.266452	0.015619
cg14959746	chr4	Open Sea	0.327892967	0.061825623	-0.266067	0.000179
cg03304437	chr4	Open Sea	0.332105705	0.067735437	-0.26437	2.5E-05
cg00262446	chr4	Open Sea	0.374298636	0.110393286	-0.263905	7.54E-05
cg20435896	chr4	South Shore	0.572424288	0.309012142	-0.263412	0.004033
cg08722675	chr4	Open Sea	0.567817327	0.304527002	-0.26329	0.00576
cg15233074	chr4	Open Sea	0.395756859	0.133412651	-0.262344	0.00864
cg26456223	chr4	North Shelf	0.526857038	0.265769904	-0.261087	0.018903
cg09921821	chr4	North Shelf	0.293665661	0.034468646	-0.259197	7.37E-05
cg00875805	chr4	Island	0.309206582	0.053920195	-0.255286	0.000129
cg11363527	chr4	Open Sea	0.377535249	0.124624543	-0.252911	0.000504
cg14144025	chr4	North Shore	0.465815703	0.215704473	-0.250111	0.045049
cg20762861	chr4	North Shore	0.350831344	0.102613206	-0.248218	9.19E-06
cg08954277	chr4	South Shore	0.486264426	0.242724668	-0.24354	0.04673
cg02525719	chr4	North Shore	0.813144539	0.574120392	-0.239024	0.003682
cg07324010	chr4	Open Sea	0.82312813	0.586326466	-0.236802	0.00093
cg03852670	chr4	North Shore	0.393514755	0.160193288	-0.233321	0.003225
cg11511795	chr4	South Shore	0.360068406	0.127494658	-0.232574	0.000794
cg04748223	chr4	Island	0.609854453	0.377968605	-0.231886	0.001437
cg25023994	chr4	North Shore	0.306547382	0.075877654	-0.23067	0.000122
cg02379560	chr4	South Shore	0.340704968	0.110953376	-0.229752	0.000969
cg25097497	chr4	Island	0.301290759	0.072076744	-0.229214	0.000576
cg02096793	chr4	South Shore	0.313769301	0.085087212	-0.228682	8.28E-05
cg25530661	chr4	Open Sea	0.319330954	0.091649107	-0.227682	4.33E-05
cg04105342	chr4	Island	0.386861319	0.159722095	-0.227139	2.29E-05
cg24690709	chr4	Open Sea	0.665115233	0.438744501	-0.226371	0.014759
cg03033111	chr4	North Shore	0.735100765	0.508755863	-0.226345	0.026452
cg24054700	chr4	Open Sea	0.793136687	0.56904294	-0.224094	1.3E-07
cg17214107	chr4	North Shore	0.343379197	0.119892834	-0.223486	0.001452
cg13877631	chr4	Open Sea	0.307629457	0.084691731	-0.222938	0.000535
cg12073319	chr4	Open Sea	0.29420815	0.073077572	-0.221131	2.43E-05
cg14197071	chr4	Island	0.878032559	0.657919392	-0.220113	0.017589
cg06485940	chr4	South Shore	0.380019717	0.161522819	-0.218497	0.001012
cg00918522	chr4	North Shelf	0.270762438	0.055265953	-0.215496	0.000667
cg01664241	chr4	South Shore	0.28408052	0.069606957	-0.214474	0.00902
cg16295725	chr4	Island	0.266325257	0.052280243	-0.214045	0.001067
cg10713589	chr4	Open Sea	0.421159303	0.207137444	-0.214022	0.041354
cg10242602	chr4	Island	0.291863373	0.078891958	-0.212971	0.000258
cg25976440	chr4	Open Sea	0.296050489	0.083418416	-0.212632	0.001695
cg24136314	chr4	Open Sea	0.454253293	0.24267401	-0.211579	0.006504
cg27111250	chr4	South Shore	0.708467657	0.497668495	-0.210799	0.046465
cg23939001	chr4	Island	0.733740651	0.52315775	-0.210583	0.040303

cg01347682	chr4	Island	0.249655797	0.039245843	-0.21041	0.000161
cg04714787	chr4	South Shelf	0.319029691	0.110607235	-0.208422	0.011197
cg12556802	chr4	Open Sea	0.855349375	0.648194356	-0.207155	0.033838
cg16364495	chr4	South Shore	0.265729037	0.059671268	-0.206058	0.005654
cg06074123	chr4	South Shore	0.859548454	0.654777407	-0.204771	0.023954
cg18533282	chr4	Island	0.260024014	0.057353448	-0.202671	0.000308
cg09122442	chr4	Open Sea	0.41125417	0.208803931	-0.20245	0.027298
cg20588069	chr4	North Shore	0.453928626	0.252297088	-0.201632	0.036183
cg14480507	chr4	Open Sea	0.286502659	0.085688581	-0.200814	0.00088
cg26389330	chr5	Open Sea	0.676715697	0.103262163	-0.573454	5.99E-05
cg21546155	chr5	Open Sea	0.588921981	0.071777073	-0.517145	1.78E-10
cg03807298	chr5	Island	0.58592455	0.082062355	-0.503862	2.57E-07
cg09844976	chr5	Open Sea	0.596326946	0.094336811	-0.50199	7.52E-09
cg21545862	chr5	Island	0.574852514	0.106377862	-0.468475	2.92E-05
cg02331883	chr5	North Shore	0.589850566	0.126888751	-0.462962	1.39E-07
cg03547840	chr5	Island	0.564319554	0.10912793	-0.455192	1.76E-07
cg22052143	chr5	Open Sea	0.688363871	0.242921849	-0.445442	0.040275
cg09067459	chr5	Open Sea	0.536408592	0.093427098	-0.442981	1.32E-07
cg22855900	chr5	Island	0.557614368	0.128097244	-0.429517	9.62E-07
cg11316131	chr5	South Shore	0.52875868	0.104116139	-0.424643	0.000228
cg15712777	chr5	Open Sea	0.557410806	0.136764152	-0.420647	0.000464
cg05672912	chr5	Open Sea	0.483080776	0.066428403	-0.416652	3.62E-07
cg26620356	chr5	South Shore	0.552908132	0.157515369	-0.395393	0.043678
cg06884199	chr5	Open Sea	0.469532642	0.075862859	-0.39367	1.2E-06
cg25125298	chr5	Open Sea	0.572002021	0.179097633	-0.392904	0.0278
cg23713079	chr5	Island	0.453069206	0.062217418	-0.390852	2.41E-06
cg16361890	chr5	North Shelf	0.545433434	0.156674722	-0.388759	0.003532
cg09731996	chr5	Island	0.530873177	0.147303826	-0.383569	0.000235
cg06711306	chr5	Open Sea	0.45646865	0.075565517	-0.380903	0.000159
cg08155325	chr5	North Shore	0.720051312	0.340225601	-0.379826	0.017988
cg19431274	chr5	North Shore	0.699656122	0.322877998	-0.376778	0.002115
cg24628744	chr5	South Shore	0.50055131	0.137880116	-0.362671	0.019292
cg13001963	chr5	Open Sea	0.481562997	0.122555385	-0.359008	0.026
cg04728482	chr5	Island	0.432372157	0.07558799	-0.356784	3.95E-06
cg20684197	chr5	Open Sea	0.748773739	0.397269607	-0.351504	0.007945
cg02061173	chr5	North Shore	0.630850777	0.279503771	-0.351347	0.00042
cg15690342	chr5	Island	0.425662375	0.075989439	-0.349673	1.13E-05
cg01288724	chr5	Open Sea	0.53189629	0.183004681	-0.348892	0.011995
cg26446499	chr5	North Shore	0.445518499	0.097921521	-0.347597	2.35E-07
cg25233672	chr5	Open Sea	0.531411817	0.186091207	-0.345321	1.02E-06
cg16198692	chr5	South Shore	0.555021703	0.214766433	-0.340255	0.033055
cg16316394	chr5	North Shore	0.679040369	0.339429455	-0.339611	0.042787
cg15613420	chr5	South Shore	0.445472599	0.112922118	-0.33255	1.31E-05
cg21877464	chr5	Open Sea	0.641684904	0.309635089	-0.33205	0.006666
cg02682520	chr5	Open Sea	0.394798267	0.064054694	-0.330744	1.69E-08
cg00373499	chr5	North Shore	0.48267312	0.152006448	-0.330667	0.012958
cg01310120	chr5	Open Sea	0.405325567	0.077575817	-0.32775	9.5E-07
cg15557878	chr5	North Shelf	0.399978859	0.072610818	-0.327368	1.2E-05
cg24866363	chr5	Open Sea	0.456987306	0.129990722	-0.326997	5.96E-05
cg01141339	chr5	South Shore	0.479261095	0.154216423	-0.325045	0.027799

cg07137934	chr5	South Shore	0.405953051	0.082071169	-0.323882	4.84E-06
cg22108469	chr5	Island	0.50785188	0.184727223	-0.323125	0.011188
cg07708521	chr5	North Shore	0.817268666	0.499842199	-0.317426	0.038804
cg17777432	chr5	Island	0.411496869	0.097372483	-0.314124	0.000136
cg15609272	chr5	Open Sea	0.386203788	0.07617043	-0.310033	0.001202
cg23514016	chr5	Open Sea	0.453859245	0.145427974	-0.308431	0.007888
cg25923609	chr5	Island	0.469350114	0.161732526	-0.307618	0.018641
cg09550809	chr5	Open Sea	0.59108232	0.285147009	-0.305935	0.030897
cg02520281	chr5	North Shore	0.633286631	0.329144533	-0.304142	0.001135
cg23445461	chr5	Island	0.413898172	0.110199458	-0.303699	0.008519
cg18358723	chr5	North Shore	0.459104554	0.156164824	-0.30294	0.004267
cg21166964	chr5	Island	0.431092235	0.130693372	-0.300399	4.39E-06
cg11214757	chr5	Island	0.352512901	0.05307273	-0.29944	1.09E-05
cg11625005	chr5	Island	0.456472666	0.158445729	-0.298027	0.004209
cg21915313	chr5	Island	0.606881724	0.31146465	-0.295417	6.1E-05
cg02760293	chr5	South Shore	0.452123955	0.156733743	-0.29539	5.69E-06
cg05890484	chr5	Open Sea	0.392822715	0.097568919	-0.295254	2.58E-06
cg26890354	chr5	North Shore	0.491152973	0.196543399	-0.29461	2.5E-05
cg21122370	chr5	South Shore	0.406069024	0.112120241	-0.293949	0.000892
cg02601475	chr5	Open Sea	0.504660039	0.216275581	-0.288384	0.022596
cg00064778	chr5	North Shore	0.374377473	0.086084741	-0.288293	8.26E-05
cg08292467	chr5	South Shelf	0.548998979	0.261002121	-0.287997	0.015962
cg17630392	chr5	Island	0.367126832	0.079265359	-0.287861	2.09E-06
cg05832593	chr5	North Shore	0.606242455	0.321989371	-0.284253	0.000262
cg21158502	chr5	North Shore	0.359253604	0.076009004	-0.283245	1.26E-05
cg16940012	chr5	Island	0.555507946	0.273056178	-0.282452	4.72E-07
cg02319354	chr5	South Shore	0.456822886	0.17568662	-0.281136	0.006995
cg09697696	chr5	South Shore	0.413299062	0.132236922	-0.281062	0.002111
cg27054655	chr5	South Shore	0.652228867	0.372604791	-0.279624	0.006978
cg17373554	chr5	Island	0.316670357	0.04063311	-0.276037	5.04E-06
cg26721877	chr5	Island	0.382601981	0.106611147	-0.275991	0.003092
cg08726298	chr5	Open Sea	0.334245973	0.060841619	-0.273404	0.000351
cg09830083	chr5	North Shelf	0.748382447	0.475010943	-0.273372	0.042239
cg03285577	chr5	North Shore	0.360043532	0.087725837	-0.272318	3.42E-07
cg16055106	chr5	Open Sea	0.821697093	0.549576876	-0.27212	0.047322
cg21117330	chr5	North Shore	0.5705725	0.298518704	-0.272054	0.015767
cg11341199	chr5	South Shore	0.387250981	0.119764895	-0.267486	0.000195
cg11382082	chr5	North Shore	0.500059109	0.232630344	-0.267429	0.01626
cg03811629	chr5	Island	0.424469997	0.159440773	-0.265029	0.035391
cg08978092	chr5	Open Sea	0.668284876	0.405148209	-0.263137	0.011486
cg15919431	chr5	Open Sea	0.452009955	0.18980228	-0.262208	0.000294
cg26947766	chr5	Open Sea	0.341320864	0.080575666	-0.260745	3.93E-05
cg06575035	chr5	Island	0.667168412	0.40732696	-0.259841	0.012501
cg12408990	chr5	Island	0.656079014	0.398659676	-0.257419	0.001307
cg18058747	chr5	Open Sea	0.331494617	0.074340618	-0.257154	4.77E-05
cg06048354	chr5	North Shore	0.357852487	0.101284823	-0.256568	0.005493
cg00997655	chr5	North Shore	0.710168362	0.454920123	-0.255248	7.91E-06
cg12200124	chr5	North Shore	0.306892516	0.051792653	-0.2551	5.25E-05
cg14049990	chr5	Open Sea	0.663667218	0.408636678	-0.255031	8.03E-05
cg16365064	chr5	Open Sea	0.617915778	0.363577858	-0.254338	0.001682

cg20406460	chr5	Island	0.339883229	0.087397748	-0.252485	0.000685
cg04988443	chr5	Open Sea	0.702876798	0.450953151	-0.251924	0.003208
cg09002358	chr5	Open Sea	0.73664658	0.485350697	-0.251296	0.010044
cg07613945	chr5	North Shore	0.490363423	0.239178488	-0.251185	0.002621
cg08103144	chr5	Island	0.801702153	0.554843724	-0.246858	0.004528
cg18054674	chr5	North Shore	0.722493935	0.476609326	-0.245885	0.001909
cg05221748	chr5	Open Sea	0.318908021	0.074458031	-0.24445	0.00025
cg01495509	chr5	Open Sea	0.311889259	0.068560595	-0.243329	0.000114
cg23910341	chr5	Open Sea	0.671196523	0.428136165	-0.24306	0.020802
cg20417500	chr5	Open Sea	0.409423588	0.166793603	-0.24263	6.69E-06
cg18794976	chr5	Open Sea	0.662365533	0.420130021	-0.242236	6.67E-05
cg14527110	chr5	North Shore	0.37164535	0.129494002	-0.242151	0.049442
cg22929787	chr5	South Shore	0.58105197	0.339111195	-0.241941	0.041113
cg01256674	chr5	South Shore	0.289998001	0.048971395	-0.241027	5.75E-05
cg11014124	chr5	South Shelf	0.423595583	0.18310996	-0.240486	0.000431
cg08452061	chr5	South Shore	0.290368998	0.050145403	-0.240224	0.000883
cg04141796	chr5	North Shore	0.315784542	0.077655522	-0.238129	0.001802
cg18781988	chr5	Island	0.326672411	0.090670727	-0.236002	0.001354
cg15949044	chr5	Island	0.363235276	0.128827648	-0.234408	0.000407
cg23222488	chr5	North Shelf	0.724304133	0.490490918	-0.233813	0.000129
cg24615189	chr5	Open Sea	0.327176428	0.093513893	-0.233663	0.00129
cg19037350	chr5	North Shore	0.522551097	0.288982954	-0.233568	1.76E-05
cg05469346	chr5	Open Sea	0.278711767	0.045904297	-0.232807	7.29E-05
cg10476773	chr5	Island	0.43320815	0.201929716	-0.231278	0.035895
cg24718827	chr5	Island	0.470786537	0.240251576	-0.230535	0.001671
cg20541456	chr5	South Shelf	0.312005475	0.082222577	-0.229783	0.020805
cg10483275	chr5	Open Sea	0.713501015	0.484917717	-0.228583	0.017988
cg07539798	chr5	Island	0.579685797	0.355292151	-0.224394	0.041393
cg01610165	chr5	Open Sea	0.325952394	0.102347741	-0.223605	0.000735
cg20400589	chr5	Open Sea	0.723269289	0.50048751	-0.222782	5.81E-05
cg09900986	chr5	Island	0.898548502	0.676415873	-0.222133	1.64E-05
cg18750738	chr5	Island	0.270499199	0.048647699	-0.221852	0.000545
cg08412537	chr5	North Shelf	0.608282557	0.387203861	-0.221079	0.009367
cg24951286	chr5	North Shore	0.317795645	0.096906757	-0.220889	0.000873
cg12959820	chr5	South Shore	0.698678932	0.477887427	-0.220792	0.01525
cg10584805	chr5	Open Sea	0.331941504	0.111174675	-0.220767	0.014877
cg18275316	chr5	Island	0.391365661	0.171131739	-0.220234	0.011604
cg08239858	chr5	Island	0.343283006	0.123883319	-0.2194	2.04E-05
cg15874877	chr5	North Shore	0.722691142	0.504046739	-0.218644	0.007381
cg12905935	chr5	South Shelf	0.696074413	0.478119642	-0.217955	0.001407
cg14956201	chr5	Open Sea	0.709990778	0.49406015	-0.215931	1.04E-05
cg05162564	chr5	North Shore	0.427386248	0.212782227	-0.214604	0.01963
cg04451736	chr5	Island	0.381132526	0.167149441	-0.213983	0.034958
cg26627769	chr5	North Shore	0.448590338	0.235942828	-0.212648	0.002156
cg24330204	chr5	North Shore	0.287276436	0.074884455	-0.212392	0.000682
cg18100702	chr5	Island	0.312909861	0.101024061	-0.211886	2.15E-05
cg11245681	chr5	North Shelf	0.488590633	0.277189838	-0.211401	0.020885
cg07231479	chr5	Island	0.551423205	0.340405868	-0.211017	0.016694
cg22175873	chr5	North Shore	0.491925071	0.281260557	-0.210665	0.005842
cg27379109	chr5	Island	0.319944721	0.109396555	-0.210548	0.002564

cg11217865	chr5	North Shore	0.345131396	0.134669711	-0.210462	0.004155
cg25388800	chr5	Open Sea	0.270992982	0.060869191	-0.210124	0.000193
cg11668813	chr5	Open Sea	0.305239605	0.096106752	-0.209133	0.004133
cg03619352	chr5	North Shelf	0.28965317	0.081002807	-0.20865	0.00326
cg22659676	chr5	Island	0.397276748	0.188781734	-0.208495	0.047073
cg27090784	chr5	Open Sea	0.611548747	0.40305757	-0.208491	3.17E-06
cg05657254	chr5	Open Sea	0.776771203	0.569173754	-0.207597	0.044451
cg08271852	chr5	Open Sea	0.673262052	0.46594276	-0.207319	0.031702
cg05692123	chr5	Open Sea	0.29853494	0.091658239	-0.206877	0.004794
cg22051146	chr5	Open Sea	0.502374198	0.295994228	-0.20638	0.042065
cg26277754	chr5	Open Sea	0.296684807	0.090710031	-0.205975	0.007026
cg07254032	chr5	Island	0.311574721	0.106142112	-0.205433	1.84E-07
cg07755752	chr5	Open Sea	0.693166307	0.488393596	-0.204773	0.001584
cg07958387	chr5	Island	0.498442658	0.293916587	-0.204526	0.002593
cg02750098	chr5	Island	0.286605737	0.082336768	-0.204269	0.012139
cg00808170	chr5	Island	0.641390103	0.438097409	-0.203293	0.036256
cg14544666	chr5	Island	0.33886378	0.135764925	-0.203099	0.002262
cg07644368	chr5	South Shore	0.282669494	0.07987344	-0.202796	0.028787
cg04461228	chr5	Island	0.271990718	0.069204	-0.202787	0.002099
cg07765621	chr5	South Shore	0.272863411	0.070229952	-0.202633	0.031937
cg09048251	chr5	Island	0.246701465	0.044524737	-0.202177	0.000192
cg08466792	chr5	South Shore	0.248780818	0.047162162	-0.201619	0.001857
cg18104919	chr5	Island	0.345500524	0.143918426	-0.201582	0.000482
cg22519422	chr5	Island	0.24709308	0.046060312	-0.201033	0.00145
cg22186831	chr5	Island	0.283848783	0.083121596	-0.200727	0.002402
cg11368643	chr5	North Shore	0.333551656	0.133071809	-0.20048	0.006309
cg17785773	chr5	Open Sea	0.301224135	0.10074667	-0.200477	0.000486
cg04607372	chr5	Island	0.263104703	0.063085812	-0.200019	0.001098
cg12106976	chr6	Open Sea	0.613424437	0.072214917	-0.54121	4.6E-07
cg10296205	chr6	Open Sea	0.621427086	0.096064173	-0.525363	8.62E-06
cg18419358	chr6	Open Sea	0.688301452	0.177418015	-0.510883	0.034524
cg06327227	chr6	Open Sea	0.707324685	0.206685933	-0.500639	0.023911
cg09130674	chr6	North Shore	0.584899244	0.095451612	-0.489448	0.000876
cg10977795	chr6	Island	0.615340109	0.128510036	-0.48683	0.022252
cg17340729	chr6	Open Sea	0.591602321	0.10477474	-0.486828	6.87E-08
cg12279419	chr6	Island	0.565780094	0.084692555	-0.481088	4.12E-07
cg23503775	chr6	Open Sea	0.555120085	0.076136146	-0.478984	1.13E-09
cg15373592	chr6	North Shelf	0.654578368	0.191500745	-0.463078	0.00133
cg11348249	chr6	Island	0.637955916	0.188282634	-0.449673	0.007482
cg01524618	chr6	Open Sea	0.544006228	0.103771945	-0.440234	1.67E-06
cg22244192	chr6	Island	0.527239419	0.09396283	-0.433277	1.9E-06
cg20139336	chr6	Open Sea	0.618264112	0.198719545	-0.419545	0.037761
cg10044101	chr6	Open Sea	0.66907631	0.250509575	-0.418567	2.76E-07
cg05452406	chr6	Island	0.46123538	0.045991624	-0.415244	2.07E-07
cg16151362	chr6	South Shore	0.508655321	0.108842025	-0.399813	0.000488
cg01508045	chr6	Island	0.440876984	0.041795591	-0.399081	9.69E-09
cg07631407	chr6	Island	0.564897111	0.168857658	-0.396039	0.003147
cg08864645	chr6	Island	0.532704308	0.149511358	-0.383193	0.002027
cg02627227	chr6	Open Sea	0.664691213	0.282038137	-0.382653	1.05E-07
cg06430632	chr6	Open Sea	0.681477648	0.299009651	-0.382468	0.008118

cg17991695	chr6	Island	0.487825081	0.106254452	-0.381571	1.12E-05
cg25634742	chr6	North Shore	0.572186287	0.193206874	-0.378979	5.41E-06
cg14775958	chr6	North Shore	0.830258359	0.452293869	-0.377964	0.009755
cg11796455	chr6	South Shore	0.572459851	0.197471613	-0.374988	0.005336
cg21749424	chr6	North Shelf	0.635271087	0.26317803	-0.372093	0.01584
cg12708994	chr6	North Shore	0.471500601	0.101395407	-0.370105	1.49E-06
cg00643235	chr6	Open Sea	0.604017811	0.235247609	-0.36877	0.007729
cg26242687	chr6	North Shore	0.547529025	0.179110962	-0.368418	1.5E-06
cg01344171	chr6	North Shore	0.581527082	0.21389354	-0.367634	0.042535
cg25036779	chr6	Island	0.420012466	0.052678497	-0.367334	1E-07
cg12182937	chr6	North Shore	0.593747156	0.228146475	-0.365601	0.019165
cg22851295	chr6	Island	0.407883401	0.044728147	-0.363155	4.64E-09
cg24329557	chr6	North Shore	0.488863642	0.126794709	-0.362069	1.02E-05
cg20837557	chr6	North Shore	0.526494206	0.165031532	-0.361463	0.002151
cg21838115	chr6	Open Sea	0.437349612	0.080192353	-0.357157	7.66E-07
cg21364077	chr6	North Shore	0.427382925	0.071219822	-0.356163	1.86E-06
cg20001791	chr6	South Shore	0.440511007	0.085227889	-0.355283	2.71E-06
cg00333679	chr6	Island	0.530365958	0.175970518	-0.354395	0.000123
cg18132363	chr6	Open Sea	0.492291882	0.140327456	-0.351964	0.013587
cg06512249	chr6	North Shore	0.62401686	0.276212535	-0.347804	0.013659
cg20180247	chr6	South Shore	0.412012134	0.065242148	-0.34677	1.86E-05
cg12911122	chr6	South Shore	0.457290158	0.111664761	-0.345625	0.031431
cg18649028	chr6	Open Sea	0.387486789	0.042548739	-0.344938	2.07E-06
cg19735538	chr6	Island	0.416282321	0.072626328	-0.343656	3.39E-06
cg13703737	chr6	Open Sea	0.824762003	0.483451751	-0.34131	0.011938
cg08301503	chr6	Island	0.468471048	0.127651228	-0.34082	5.65E-05
cg17297775	chr6	Open Sea	0.932745467	0.592646167	-0.340099	0.003293
cg11177740	chr6	Open Sea	0.901090344	0.562995972	-0.338094	5.04E-07
cg05826295	chr6	Open Sea	0.436274638	0.100191118	-0.336084	0.000316
cg13826452	chr6	Open Sea	0.455149986	0.119339766	-0.33581	0.005335
cg04496791	chr6	North Shore	0.540529765	0.204986938	-0.335543	0.017563
cg25938025	chr6	South Shore	0.442680412	0.108716864	-0.333964	0.004486
cg12241963	chr6	Open Sea	0.685569703	0.357879984	-0.32769	0.000855
cg21317965	chr6	Open Sea	0.403881432	0.078759802	-0.325122	1.77E-06
cg15666214	chr6	Island	0.48450508	0.160311534	-0.324194	0.000993
cg10074727	chr6	Island	0.385267155	0.061572853	-0.323694	3.25E-06
cg01799681	chr6	North Shore	0.450934118	0.127699285	-0.323235	0.000126
cg01864699	chr6	North Shelf	0.718022863	0.396069582	-0.321953	0.031524
cg24112628	chr6	Open Sea	0.792567509	0.473794352	-0.318773	6.26E-07
cg00333528	chr6	Open Sea	0.437888417	0.120478017	-0.31741	8.62E-07
cg16478536	chr6	Open Sea	0.455040183	0.140082946	-0.314957	0.000898
cg16568727	chr6	Island	0.355347839	0.042486055	-0.312862	3.55E-05
cg16622920	chr6	Island	0.45020469	0.137698083	-0.312507	0.005869
cg01392313	chr6	Island	0.418791468	0.107400638	-0.311391	7.2E-06
cg09516476	chr6	Island	0.347686866	0.036987254	-0.3107	1.28E-05
cg14000361	chr6	North Shore	0.370546067	0.059914037	-0.310632	4.09E-05
cg20892245	chr6	North Shore	0.890307458	0.579828106	-0.310479	0.001092
cg06289138	chr6	Island	0.514978012	0.20494261	-0.310035	0.027275
cg25410010	chr6	Open Sea	0.894387881	0.587800057	-0.306588	0.031793
cg14663965	chr6	North Shore	0.503046626	0.19709784	-0.305949	1.25E-06

cg22620090	chr6	Island	0.434574005	0.128818034	-0.305756	0.002273
cg20236089	chr6	Open Sea	0.433493826	0.128821353	-0.304672	0.00305
cg25042346	chr6	Open Sea	0.383715108	0.079208695	-0.304506	3.04E-07
cg20431250	chr6	South Shore	0.387997678	0.08460631	-0.303391	6.39E-06
cg17218813	chr6	South Shore	0.39758481	0.094526699	-0.303058	0.000271
cg24113409	chr6	South Shore	0.506413596	0.207179268	-0.299234	0.037884
cg04369491	chr6	North Shore	0.457508033	0.159044352	-0.298464	0.043645
cg02391713	chr6	Island	0.457636842	0.159316978	-0.29832	0.002884
cg04767522	chr6	Open Sea	0.697628438	0.400217104	-0.297411	0.017768
cg14791639	chr6	Open Sea	0.564806008	0.267663385	-0.297143	0.025266
cg15835542	chr6	Open Sea	0.387121579	0.091614592	-0.295507	2.36E-05
cg25061349	chr6	Island	0.453151374	0.158975792	-0.294176	0.000805
cg05728019	chr6	Open Sea	0.376528056	0.083428937	-0.293099	0.004738
cg02281167	chr6	Island	0.460946942	0.168005478	-0.292941	0.026546
cg19951298	chr6	Island	0.359660219	0.068249619	-0.291411	1.49E-07
cg09667606	chr6	Island	0.759545065	0.468713675	-0.290831	0.02057
cg19729116	chr6	Island	0.351914502	0.061735167	-0.290179	0.000191
cg27641532	chr6	South Shore	0.473007853	0.18410759	-0.2889	0.007757
cg09046055	chr6	Island	0.38675922	0.100107304	-0.286652	4.17E-06
cg03872934	chr6	Open Sea	0.708407908	0.42253109	-0.285877	0.004227
cg19095187	chr6	North Shore	0.432249419	0.147099899	-0.28515	1.07E-05
cg02895588	chr6	Open Sea	0.77378898	0.488980578	-0.284808	0.003191
cg13246235	chr6	Island	0.358019357	0.073398021	-0.284621	8.47E-05
cg13599020	chr6	Open Sea	0.470004628	0.185673947	-0.284331	0.001304
cg21037008	chr6	North Shore	0.42447912	0.140681126	-0.283798	0.001174
cg18132964	chr6	South Shore	0.891454297	0.608098417	-0.283356	0.024756
cg20442599	chr6	Island	0.363300258	0.080532022	-0.282768	1.28E-05
cg23676151	chr6	Island	0.402563355	0.1199688	-0.282595	4.68E-05
cg06960164	chr6	Island	0.408100716	0.126212316	-0.281888	0.001656
cg05734456	chr6	Island	0.368458554	0.086952638	-0.281506	0.000227
cg04205041	chr6	Open Sea	0.357086376	0.079248121	-0.277838	5.16E-05
cg16194233	chr6	Island	0.431461051	0.154186974	-0.277274	0.012166
cg23950233	chr6	South Shore	0.389051844	0.112230093	-0.276822	0.001954
cg18055007	chr6	Island	0.346932797	0.071122689	-0.27581	0.000275
cg02429905	chr6	North Shore	0.612003242	0.336755389	-0.275248	0.000445
cg14029001	chr6	Open Sea	0.784617121	0.509575635	-0.275041	7.9E-06
cg16938363	chr6	Island	0.314418966	0.039402035	-0.275017	8.83E-06
cg08510658	chr6	Island	0.32514291	0.053507358	-0.271636	8.48E-05
cg12061236	chr6	Island	0.377152056	0.106592497	-0.27056	0.010692
cg06473276	chr6	Open Sea	0.337602654	0.068762245	-0.26884	1.9E-05
cg22409854	chr6	Island	0.294891167	0.027170378	-0.267721	0.000102
cg04139449	chr6	Island	0.449809759	0.182431377	-0.267378	0.002241
cg16617518	chr6	Island	0.33152609	0.065265681	-0.26626	0.001032
cg03818715	chr6	South Shore	0.50269392	0.238616117	-0.264078	0.001547
cg03883502	chr6	Island	0.339562848	0.075747527	-0.263815	2.22E-06
cg22389949	chr6	Open Sea	0.343654313	0.079890579	-0.263764	3.57E-06
cg07471461	chr6	Open Sea	0.308814436	0.045678676	-0.263136	0.000197
cg16452067	chr6	North Shelf	0.693764768	0.431023631	-0.262741	0.006068
cg18424134	chr6	North Shore	0.3351253	0.07240255	-0.262723	8.96E-05
cg17761815	chr6	Open Sea	0.534217065	0.272055025	-0.262162	0.035942

cg01883159	chr6	North Shore	0.309104647	0.047235773	-0.261869	5.51E-06
cg17161718	chr6	Island	0.350177127	0.088311337	-0.261866	0.004991
cg02524205	chr6	Open Sea	0.683311274	0.421768253	-0.261543	2.92E-05
cg11342453	chr6	North Shore	0.361710495	0.101041851	-0.260669	0.040865
cg15991104	chr6	North Shelf	0.333781606	0.073681305	-0.2601	9.42E-05
cg02043994	chr6	Island	0.33878113	0.079067165	-0.259714	0.000465
cg24529722	chr6	Open Sea	0.690292204	0.431680134	-0.258612	0.016517
cg12584100	chr6	Open Sea	0.319684142	0.061702185	-0.257982	0.000415
cg00877708	chr6	Open Sea	0.733917998	0.47643919	-0.257479	0.04759
cg19509311	chr6	Island	0.389299211	0.132098236	-0.257201	0.001587
cg13900100	chr6	Island	0.303330141	0.046474094	-0.256856	0.000165
cg26575057	chr6	South Shore	0.387753841	0.131493608	-0.25626	7.02E-05
cg04122873	chr6	Island	0.299070669	0.044808853	-0.254262	0.000321
cg08792995	chr6	Open Sea	0.324019518	0.069958657	-0.254061	1.75E-05
cg24595606	chr6	South Shore	0.417483866	0.163913045	-0.253571	0.002066
cg05141234	chr6	North Shore	0.326685126	0.073337409	-0.253348	7.94E-09
cg15476894	chr6	Island	0.499205127	0.245923751	-0.253281	0.035738
cg08827454	chr6	North Shore	0.47368806	0.220551828	-0.253136	0.001954
cg13893782	chr6	Open Sea	0.343648089	0.091041993	-0.252606	0.000278
cg17375249	chr6	Island	0.316136049	0.063678309	-0.252458	0.000417
cg08243135	chr6	South Shore	0.614591284	0.362649356	-0.251942	0.000707
cg14028400	chr6	Open Sea	0.396728002	0.145528727	-0.251199	0.013762
cg08376141	chr6	Island	0.566965326	0.316908069	-0.250057	0.010254
cg15366353	chr6	North Shore	0.347570325	0.097541978	-0.250028	0.031301
cg10390980	chr6	South Shelf	0.824463505	0.574461503	-0.250002	0.036296
cg16108230	chr6	Island	0.34693511	0.098103518	-0.248832	0.010302
cg24594504	chr6	Open Sea	0.501534914	0.253710218	-0.247825	0.025353
cg26922678	chr6	South Shore	0.366402785	0.119436789	-0.246966	0.001216
cg13409674	chr6	Open Sea	0.391634216	0.145240237	-0.246394	1.43E-05
cg20731469	chr6	Island	0.289457669	0.043111679	-0.246346	6.96E-05
cg22267770	chr6	North Shore	0.332906794	0.089694627	-0.243212	0.001838
cg22367191	chr6	North Shore	0.310817411	0.067837347	-0.24298	0.00025
cg17983217	chr6	Island	0.292179065	0.049488261	-0.242691	0.000838
cg18559739	chr6	Island	0.324321421	0.081880666	-0.242441	0.003498
cg27307183	chr6	Open Sea	0.78945893	0.547092869	-0.242366	0.008871
cg23267550	chr6	North Shore	0.458648133	0.216715014	-0.241933	0.044285
cg00983948	chr6	Island	0.403755633	0.165921714	-0.237834	0.029437
cg08176353	chr6	North Shore	0.842789105	0.605222519	-0.237567	2.92E-05
cg17790159	chr6	South Shelf	0.758897307	0.521503708	-0.237394	0.006899
cg03446062	chr6	Open Sea	0.360361922	0.123293452	-0.237068	0.018725
cg22365132	chr6	Open Sea	0.786130558	0.549760096	-0.23637	0.043131
cg09496915	chr6	Open Sea	0.273705945	0.038090589	-0.235615	0.000567
cg22191981	chr6	North Shore	0.302605515	0.06769031	-0.234915	0.00047
cg01137047	chr6	North Shore	0.540305108	0.306801474	-0.233504	0.001875
cg08445802	chr6	Island	0.322666803	0.089183256	-0.233484	0.002499
cg00667751	chr6	Island	0.416140629	0.1831741	-0.232967	0.000133
cg03076855	chr6	Open Sea	0.338878747	0.10600776	-0.232871	0.001458
cg04482331	chr6	Island	0.379523894	0.147469172	-0.232055	0.000402
cg00124375	chr6	Island	0.285521368	0.053873937	-0.231647	0.000404
cg07086945	chr6	Open Sea	0.465142809	0.233644385	-0.231498	0.008335

cg16447311	chr6	North Shore	0.793128716	0.563015093	-0.230114	1.9E-05
cg20851828	chr6	North Shore	0.727520557	0.497511501	-0.230009	0.001182
cg06656924	chr6	South Shore	0.46679193	0.236907946	-0.229884	0.000545
cg07878800	chr6	Island	0.345869221	0.116117968	-0.229751	0.004718
cg21160099	chr6	North Shore	0.315383832	0.085958385	-0.229425	0.000541
cg27368911	chr6	Open Sea	0.272243841	0.042979331	-0.229265	1.37E-05
cg20445245	chr6	Island	0.548963774	0.319790308	-0.229173	5.38E-06
cg06639166	chr6	North Shore	0.304446827	0.075286339	-0.22916	0.00016
cg02264288	chr6	Open Sea	0.302219999	0.07390842	-0.228312	0.000273
cg02683197	chr6	North Shore	0.342723327	0.114862232	-0.227861	0.001063
cg09829319	chr6	North Shore	0.287120331	0.060868812	-0.226252	0.003895
cg05602975	chr6	South Shore	0.344629615	0.118589922	-0.22604	0.01016
cg03074925	chr6	North Shore	0.342525729	0.117074703	-0.225451	0.003883
cg03811891	chr6	Island	0.351573827	0.12631941	-0.225254	0.005792
cg17952647	chr6	North Shore	0.551374055	0.3270913	-0.224283	4.32E-06
cg14431165	chr6	Open Sea	0.489432782	0.26695509	-0.222478	0.014429
cg05746014	chr6	Open Sea	0.873082013	0.650615126	-0.222467	0.048203
cg02196834	chr6	North Shore	0.366367764	0.144139499	-0.222228	0.000986
cg00952576	chr6	North Shelf	0.254840056	0.032721456	-0.222119	4.91E-05
cg00617292	chr6	Open Sea	0.770072689	0.548362067	-0.221711	0.047374
cg07322064	chr6	Island	0.564656966	0.343102167	-0.221555	0.025476
cg09194778	chr6	Open Sea	0.817866673	0.597069048	-0.220798	0.044141
cg10507304	chr6	Open Sea	0.302742677	0.08199034	-0.220752	0.000577
cg26257411	chr6	South Shore	0.588724037	0.368070115	-0.220654	2.82E-07
cg04247603	chr6	North Shore	0.440960361	0.221660953	-0.219299	0.007039
cg00474080	chr6	Island	0.276238587	0.056990884	-0.219248	0.002091
cg05224741	chr6	Island	0.282539134	0.06343179	-0.219107	0.005341
cg25657713	chr6	Island	0.370638659	0.153526969	-0.217112	0.001855
cg06458086	chr6	Open Sea	0.828847534	0.611933023	-0.216915	0.014852
cg26361999	chr6	Open Sea	0.613701338	0.397295594	-0.216406	0.029926
cg17866778	chr6	Open Sea	0.370657308	0.154787502	-0.21587	0.021728
cg14934253	chr6	North Shore	0.277246957	0.061528017	-0.215719	0.002311
cg01390950	chr6	South Shelf	0.567807346	0.352430866	-0.215376	8.98E-05
cg00370106	chr6	Open Sea	0.421910475	0.206692224	-0.215218	0.000307
cg15753394	chr6	South Shore	0.442724355	0.227572075	-0.215152	0.009843
cg23732781	chr6	North Shore	0.599621132	0.384618172	-0.215003	0.019218
cg21502834	chr6	North Shelf	0.385715997	0.171488137	-0.214228	0.002086
cg04554928	chr6	Island	0.303515037	0.090408832	-0.213106	0.001867
cg07265541	chr6	Open Sea	0.316995207	0.104751015	-0.212244	9.17E-05
cg27659622	chr6	Open Sea	0.258326389	0.047634907	-0.210691	0.00017
cg19722656	chr6	North Shore	0.282436287	0.072006064	-0.21043	0.000206
cg16323298	chr6	Island	0.321436725	0.111081273	-0.210355	0.028434
cg24641186	chr6	Open Sea	0.347307568	0.137875634	-0.209432	0.029671
cg02596153	chr6	Island	0.278462713	0.0692067	-0.209256	0.006308
cg06924459	chr6	South Shore	0.300554557	0.091936245	-0.208618	0.004688
cg01255417	chr6	Island	0.538521704	0.33009671	-0.208425	0.039868
cg12498088	chr6	Island	0.28795571	0.079789618	-0.208166	0.001355
cg03169508	chr6	South Shelf	0.281404123	0.073524542	-0.20788	0.003461
cg19206146	chr6	Open Sea	0.297139005	0.089700265	-0.207439	0.001174
cg07905696	chr6	Open Sea	0.629774607	0.422637424	-0.207137	0.03459

cg13209822	chr6	Open Sea	0.367397068	0.160336888	-0.20706	0.046112
cg18486258	chr6	South Shore	0.490845151	0.283856906	-0.206988	0.00082
cg23850750	chr6	Island	0.285093658	0.079380602	-0.205713	0.008481
cg23638518	chr6	North Shelf	0.687505049	0.482016454	-0.205489	0.015185
cg00609135	chr6	Island	0.294929695	0.089499322	-0.20543	0.005642
cg06014958	chr6	North Shore	0.317010373	0.112757266	-0.204253	0.004481
cg04543938	chr6	Island	0.264467555	0.060253526	-0.204214	0.010575
cg00731683	chr6	Island	0.394906547	0.191504431	-0.203402	0.015272
cg11874627	chr6	South Shore	0.404446491	0.201598889	-0.202848	0.025224
cg16458153	chr6	Island	0.252577951	0.050352396	-0.202226	0.000281
cg01518607	chr6	Open Sea	0.316562836	0.114430688	-0.202132	0.001168
cg12634245	chr6	Open Sea	0.417233143	0.215410397	-0.201823	0.005598
cg00862588	chr6	Open Sea	0.326780093	0.125454172	-0.201326	0.001443
cg05886811	chr6	Island	0.610300857	0.409417586	-0.200883	0.01367
cg22476027	chr6	South Shore	0.426335284	0.225897088	-0.200438	0.000231
cg00656735	chr6	North Shore	0.393668154	0.193320134	-0.200348	0.004401
cg02254056	chr6	South Shore	0.272549154	0.072340734	-0.200208	3.82E-05
cg20659418	chr6	North Shelf	0.246659451	0.046604868	-0.200055	0.001635
cg07686872	chr7	North Shore	0.640466909	0.107920386	-0.532547	8.4E-08
cg25711558	chr7	Open Sea	0.638114018	0.114170666	-0.523943	0.000399
cg18527241	chr7	Open Sea	0.582837079	0.079240966	-0.503596	1.45E-06
cg03604067	chr7	South Shore	0.551905284	0.056214438	-0.495691	1.63E-09
cg01322214	chr7	North Shore	0.690450094	0.19615091	-0.494299	0.045992
cg04080282	chr7	Island	0.610020809	0.118586238	-0.491435	4.04E-09
cg18550262	chr7	Open Sea	0.643855033	0.15464274	-0.489212	0.011164
cg13391244	chr7	Open Sea	0.572240002	0.093981143	-0.478259	4.94E-08
cg11435506	chr7	Island	0.539259225	0.062574662	-0.476685	2.45E-09
cg08898155	chr7	Island	0.532598987	0.061654327	-0.470945	2.66E-08
cg07981013	chr7	Island	0.547358895	0.079869549	-0.467489	1.81E-09
cg21637392	chr7	Open Sea	0.542882065	0.083361758	-0.45952	9.27E-08
cg25161512	chr7	Island	0.518469595	0.059418327	-0.459051	3.68E-08
cg08309529	chr7	Island	0.524882846	0.068009859	-0.456873	6.68E-06
cg23230584	chr7	Island	0.491651446	0.035868055	-0.455783	5.11E-10
cg08828819	chr7	Island	0.498689187	0.051628974	-0.44706	1.88E-08
cg15500865	chr7	Island	0.499202838	0.053118078	-0.446085	9.2E-09
cg15927196	chr7	Island	0.511549656	0.078235679	-0.433314	1.08E-05
cg05803296	chr7	Open Sea	0.511596545	0.079366142	-0.43223	8.44E-10
cg04598292	chr7	North Shore	0.522968171	0.093739967	-0.429228	5.35E-07
cg17871993	chr7	South Shelf	0.524991358	0.100873061	-0.424118	5.2E-05
cg07121856	chr7	Island	0.488318389	0.066488526	-0.42183	4.47E-07
cg03301582	chr7	Island	0.497152587	0.076006146	-0.421146	0.000406
cg14427668	chr7	Open Sea	0.50094812	0.081044221	-0.419904	1.73E-08
cg14989988	chr7	Open Sea	0.675768426	0.255884286	-0.419884	0.010889
cg08645907	chr7	Open Sea	0.494074631	0.079579821	-0.414495	1.36E-06
cg19351954	chr7	Open Sea	0.591349836	0.177025376	-0.414324	0.048189
cg25007683	chr7	Open Sea	0.556024549	0.144083292	-0.411941	2.42E-07
cg10094489	chr7	Island	0.503028766	0.091750946	-0.411278	4.64E-05
cg06146234	chr7	North Shore	0.490130812	0.079973766	-0.410157	8.91E-10
cg25871890	chr7	Open Sea	0.800378195	0.392106712	-0.408271	0.029174
cg04685170	chr7	Island	0.513213494	0.107021274	-0.406192	0.00396

cg08520743	chr7	Island	0.454426267	0.05280196	-0.401624	1.28E-06
cg00143249	chr7	Island	0.458147627	0.057203666	-0.400944	1.38E-06
cg16283362	chr7	Island	0.48988402	0.090773393	-0.399111	5.88E-07
cg25572105	chr7	Island	0.477835048	0.079649261	-0.398186	0.000123
cg26472133	chr7	Island	0.448104387	0.058738484	-0.389366	1.46E-08
cg07916589	chr7	Island	0.474992222	0.087618443	-0.387374	1.88E-05
cg12164596	chr7	Island	0.527771417	0.142098935	-0.385672	0.000583
cg05060949	chr7	Island	0.412414459	0.031360829	-0.381054	1.45E-07
cg16180796	chr7	Island	0.569136789	0.190195493	-0.378941	0.004865
cg00374672	chr7	North Shore	0.450764091	0.072220315	-0.378544	0.000814
cg17642369	chr7	Open Sea	0.519474223	0.141254662	-0.37822	0.023212
cg05167561	chr7	Island	0.553472949	0.178829685	-0.374643	9.02E-06
cg08622757	chr7	Island	0.447293555	0.073796193	-0.373497	3.49E-06
cg09579281	chr7	North Shelf	0.4932283	0.120807791	-0.372421	1.55E-05
cg04487296	chr7	Island	0.588915724	0.220036106	-0.36888	0.000417
cg00555456	chr7	North Shore	0.606614208	0.238067239	-0.368547	0.000536
cg00313685	chr7	Open Sea	0.826653004	0.458706228	-0.367947	0.000139
cg24540114	chr7	Island	0.467762528	0.100576359	-0.367186	1.5E-05
cg23807071	chr7	South Shore	0.442939643	0.083207359	-0.359732	8.92E-08
cg05045981	chr7	Island	0.453124407	0.095923051	-0.357201	6.66E-07
cg08167951	chr7	Island	0.46599503	0.110833943	-0.355161	2.66E-09
cg04690998	chr7	Open Sea	0.466253366	0.114287969	-0.351965	0.004128
cg21389309	chr7	South Shore	0.51746591	0.167887441	-0.349578	0.001279
cg27511599	chr7	Open Sea	0.611055292	0.264076091	-0.346979	0.021631
cg00953154	chr7	North Shore	0.397065285	0.054672145	-0.342393	1.4E-05
cg09642347	chr7	North Shore	0.529674261	0.189405217	-0.340269	0.001315
cg00353923	chr7	North Shore	0.40160722	0.061748292	-0.339859	3.57E-07
cg10864952	chr7	South Shore	0.454287153	0.114962148	-0.339325	0.000102
cg13710553	chr7	Open Sea	0.57225554	0.23323454	-0.339021	0.00049
cg27651243	chr7	Island	0.371741055	0.034881883	-0.336859	1.32E-06
cg17344321	chr7	Open Sea	0.443021858	0.110394239	-0.332628	1.2E-05
cg18793404	chr7	Open Sea	0.429361577	0.099061116	-0.3303	0.000573
cg11342198	chr7	Open Sea	0.500058965	0.170040041	-0.330019	0.040152
cg16714154	chr7	Open Sea	0.475523123	0.145538653	-0.329984	0.028172
cg05715123	chr7	Open Sea	0.782957672	0.453969542	-0.328988	0.041128
cg07006935	chr7	Open Sea	0.475527182	0.147949498	-0.327578	1.18E-06
cg20521696	chr7	North Shore	0.703728888	0.378809294	-0.32492	1.1E-07
cg23729283	chr7	Open Sea	0.891450497	0.569081546	-0.322369	0.04496
cg06104408	chr7	South Shore	0.579752404	0.257984938	-0.321767	0.004846
cg09181792	chr7	Open Sea	0.424867372	0.103507689	-0.32136	0.000583
cg04631458	chr7	Island	0.584269487	0.264027878	-0.320242	0.025004
cg14163444	chr7	Island	0.360887347	0.041551196	-0.319336	8.93E-07
cg17462533	chr7	Open Sea	0.814523054	0.495851876	-0.318671	0.033384
cg26171871	chr7	Island	0.409154479	0.090636141	-0.318518	0.015758
cg13345957	chr7	Island	0.358934295	0.040652265	-0.318282	4.06E-05
cg13468898	chr7	Island	0.90820628	0.5935803	-0.314626	2.97E-05
cg04372674	chr7	Open Sea	0.510494905	0.197359306	-0.313136	0.04446
cg08097290	chr7	Open Sea	0.858630783	0.549283644	-0.309347	3.9E-09
cg01287054	chr7	North Shore	0.395349043	0.086528316	-0.308821	0.000298
cg19799702	chr7	North Shore	0.536150638	0.22918021	-0.30697	0.012208

cg27212520	chr7	North Shore	0.868593103	0.56608925	-0.302504	0.036918
cg08927016	chr7	Island	0.373538174	0.076592539	-0.296946	0.000115
cg02768721	chr7	South Shore	0.370964153	0.074710498	-0.296254	2.84E-05
cg11539674	chr7	North Shore	0.456799681	0.161222415	-0.295577	0.026109
cg10329418	chr7	South Shore	0.512608728	0.217477769	-0.295131	0.000379
cg00042882	chr7	North Shore	0.448199497	0.154420866	-0.293779	0.025004
cg00560277	chr7	North Shore	0.419987641	0.126352279	-0.293635	4.7E-06
cg27342333	chr7	Open Sea	0.611331733	0.318252769	-0.293079	0.045797
cg03552937	chr7	Open Sea	0.681304314	0.389023085	-0.292281	0.008438
cg02133456	chr7	Open Sea	0.671704672	0.379471044	-0.292234	0.002582
cg03332469	chr7	Island	0.364955589	0.073151219	-0.291804	1.64E-06
cg14249876	chr7	Open Sea	0.344955757	0.055357297	-0.289598	0.000473
cg02770724	chr7	North Shore	0.549020291	0.26110375	-0.287917	5.92E-06
cg18057109	chr7	Island	0.402228287	0.115233073	-0.286995	5.52E-05
cg25287257	chr7	Island	0.33778148	0.051759722	-0.286022	0.000112
cg14343652	chr7	North Shore	0.341311083	0.055500486	-0.285811	7.48E-05
cg19523667	chr7	Open Sea	0.768174964	0.483495349	-0.28468	0.0139
cg22108567	chr7	South Shore	0.388303176	0.104527787	-0.283775	9.05E-06
cg02936315	chr7	North Shore	0.383050881	0.100675514	-0.282375	4.41E-05
cg07188513	chr7	North Shelf	0.359062842	0.077530416	-0.281532	0.005208
cg26565544	chr7	Open Sea	0.51694317	0.235654003	-0.281289	0.00283
cg08132858	chr7	Open Sea	0.51076653	0.230896367	-0.27987	0.027168
cg05639205	chr7	Island	0.380266166	0.104587811	-0.275678	0.008563
cg26490671	chr7	South Shore	0.798766075	0.523688778	-0.275077	6.07E-05
cg16272030	chr7	Open Sea	0.800380384	0.526078254	-0.274302	0.013579
cg07703462	chr7	Island	0.315997584	0.043754937	-0.272243	0.000117
cg23779604	chr7	South Shelf	0.692397814	0.42054657	-0.271851	0.015862
cg09244707	chr7	North Shore	0.726861432	0.455952228	-0.270909	0.026234
cg02712145	chr7	Island	0.377046705	0.107478617	-0.269568	0.001545
cg00929322	chr7	Open Sea	0.8534138	0.583924833	-0.269489	0.006493
cg18179075	chr7	Open Sea	0.325055928	0.055677137	-0.269379	0.000513
cg15703773	chr7	Island	0.354265767	0.085952973	-0.268313	0.000266
cg22789065	chr7	Open Sea	0.705900447	0.438192857	-0.267708	0.007282
cg02363526	chr7	North Shore	0.655839493	0.390740857	-0.265099	0.00036
cg20745684	chr7	North Shore	0.427397683	0.162895498	-0.264502	2.75E-05
cg17421991	chr7	Island	0.327107001	0.0629004	-0.264207	0.000324
cg10477621	chr7	Island	0.421843213	0.157928831	-0.263914	1.18E-05
cg15812586	chr7	Open Sea	0.462944926	0.199997907	-0.262947	0.000625
cg18311708	chr7	South Shore	0.526676393	0.265379895	-0.261296	0.017421
cg06422678	chr7	Open Sea	0.465017124	0.204688284	-0.260329	0.008545
cg03604367	chr7	Island	0.370824014	0.110751854	-0.260072	0.00016
cg05744332	chr7	North Shore	0.622876192	0.362805931	-0.26007	2.16E-05
cg08849294	chr7	Island	0.83025397	0.571172522	-0.259081	0.003203
cg02293118	chr7	Island	0.331457735	0.072604302	-0.258853	0.000286
cg09846875	chr7	South Shore	0.307881851	0.05155288	-0.256329	0.001042
cg23018117	chr7	North Shelf	0.319011188	0.062776559	-0.256235	0.000328
cg12616484	chr7	Island	0.881876765	0.626263332	-0.255613	0.000389
cg12177546	chr7	North Shore	0.336816763	0.081829093	-0.254988	0.000127
cg26923410	chr7	Open Sea	0.352310259	0.09825487	-0.254055	0.012635
cg25509184	chr7	Open Sea	0.322287317	0.06862078	-0.253667	0.000201

cg07898764	chr7	Open Sea	0.816850845	0.565722865	-0.251128	0.022825
cg24497732	chr7	South Shore	0.483907792	0.233616761	-0.250291	0.000179
cg13134297	chr7	Open Sea	0.471176857	0.221367548	-0.249809	0.002998
cg17204129	chr7	Open Sea	0.302389036	0.053102455	-0.249287	0.000491
cg07209634	chr7	Island	0.409200455	0.160233657	-0.248967	0.036354
cg21984793	chr7	Open Sea	0.752589741	0.50643082	-0.246159	0.00011
cg23708337	chr7	Open Sea	0.347368024	0.101498368	-0.24587	0.009337
cg06335867	chr7	Island	0.348565876	0.10457547	-0.24399	0.029098
cg15032166	chr7	South Shore	0.4349968	0.191682762	-0.243314	0.039666
cg12914657	chr7	North Shelf	0.296930109	0.054307216	-0.242623	0.000414
cg03229158	chr7	Open Sea	0.307985698	0.0673656	-0.24062	9.97E-07
cg06937717	chr7	Island	0.295556187	0.055129463	-0.240427	6.67E-05
cg06114334	chr7	Open Sea	0.336022801	0.095622098	-0.240401	0.029148
cg12597389	chr7	Island	0.316795703	0.077839887	-0.238956	2.95E-05
cg09676669	chr7	Open Sea	0.375047326	0.136228723	-0.238819	0.001831
cg22650458	chr7	Open Sea	0.581850326	0.344224021	-0.237626	0.001869
cg15751116	chr7	North Shore	0.352947877	0.115561184	-0.237387	0.001571
cg03413097	chr7	Island	0.285522964	0.04849096	-0.237032	0.00041
cg14073571	chr7	Island	0.405601858	0.169021371	-0.23658	3.97E-05
cg19230755	chr7	Island	0.36592573	0.129482167	-0.236444	0.037233
cg03323793	chr7	Open Sea	0.666065592	0.430552923	-0.235513	3.12E-06
cg05640128	chr7	Island	0.277160195	0.042929699	-0.23423	0.000418
cg01874867	chr7	South Shore	0.696467257	0.462380586	-0.234087	0.006788
cg25023684	chr7	Open Sea	0.682742558	0.448895661	-0.233847	0.000898
cg09920605	chr7	South Shore	0.294110897	0.060997082	-0.233114	0.000105
cg20554353	chr7	South Shore	0.732051174	0.499058552	-0.232993	0.032752
cg03297163	chr7	Open Sea	0.272299566	0.04013561	-0.232164	2.76E-05
cg00477302	chr7	Open Sea	0.446637891	0.216425722	-0.230212	0.040831
cg00364696	chr7	North Shore	0.894944209	0.667831799	-0.227112	0.021652
cg08166222	chr7	Open Sea	0.532244627	0.305281634	-0.226963	0.048468
cg06746009	chr7	South Shelf	0.765460629	0.538854734	-0.226606	0.024471
cg26173847	chr7	North Shore	0.304548386	0.078611247	-0.225937	0.000165
cg13759946	chr7	Open Sea	0.838055717	0.612662704	-0.225393	7.61E-09
cg27481555	chr7	Open Sea	0.34490155	0.119876357	-0.225025	0.014453
cg11858226	chr7	Open Sea	0.277195227	0.052400715	-0.224795	7.31E-05
cg24378559	chr7	Open Sea	0.599733294	0.375152815	-0.22458	0.005065
cg02890194	chr7	North Shore	0.40251688	0.178308763	-0.224208	9.32E-06
cg26595520	chr7	North Shore	0.266662209	0.042922618	-0.22374	2.48E-06
cg14288925	chr7	South Shelf	0.710043565	0.486431314	-0.223612	0.009202
cg25289803	chr7	Open Sea	0.344566535	0.121319149	-0.223247	0.000463
cg20019546	chr7	Island	0.368800029	0.145839174	-0.222961	0.0093
cg22960347	chr7	Open Sea	0.797745729	0.575597559	-0.222148	0.001216
cg00813027	chr7	Open Sea	0.34082523	0.119306163	-0.221519	0.013695
cg04697148	chr7	Island	0.349302175	0.127916342	-0.221386	0.00497
cg11884030	chr7	Open Sea	0.308888804	0.088319474	-0.220569	0.002749
cg08739576	chr7	Open Sea	0.25781681	0.037764369	-0.220052	0.00113
cg13544851	chr7	South Shore	0.274855619	0.056950092	-0.217906	0.00122
cg11131117	chr7	South Shore	0.85106612	0.633850434	-0.217216	9.89E-08
cg09845489	chr7	South Shore	0.532029028	0.314979129	-0.21705	0.001925
cg27627209	chr7	Open Sea	0.254288668	0.037854196	-0.216434	0.001419

cg21322436	chr7	North Shore	0.349396921	0.13371136	-0.215686	0.01289
cg04474277	chr7	Open Sea	0.322690815	0.10824163	-0.214449	0.001931
cg11260097	chr7	Island	0.330861311	0.11740128	-0.21346	4.59E-06
cg18080604	chr7	Open Sea	0.37521994	0.162155882	-0.213064	0.016703
cg25843426	chr7	North Shore	0.480684478	0.268034823	-0.21265	0.00796
cg01008256	chr7	Island	0.348843002	0.136333523	-0.212509	0.0338
cg19836549	chr7	Open Sea	0.517969402	0.306125332	-0.211844	0.033226
cg12353688	chr7	North Shore	0.411340811	0.201464279	-0.209877	0.009398
cg14644871	chr7	Island	0.353887753	0.144232799	-0.209655	0.003841
cg24052359	chr7	Island	0.253997782	0.045204036	-0.208794	0.000445
cg22728904	chr7	North Shore	0.294799103	0.08616684	-0.208632	0.005992
cg15847926	chr7	Open Sea	0.34055443	0.132161386	-0.208393	0.04474
cg15764975	chr7	Open Sea	0.293915521	0.086548471	-0.207367	0.000351
cg06217803	chr7	South Shore	0.855086474	0.649427064	-0.205659	0.000169
cg02207386	chr7	North Shore	0.363321777	0.158330621	-0.204991	0.009587
cg07542748	chr7	Open Sea	0.518781633	0.313841091	-0.204941	0.013866
cg04455137	chr7	Open Sea	0.240397038	0.03638069	-0.204016	0.001675
cg16771407	chr7	Island	0.366393988	0.163225732	-0.203168	0.000391
cg10064162	chr7	South Shore	0.304146965	0.101237178	-0.20291	0.029872
cg17616554	chr7	Open Sea	0.247900172	0.045589808	-0.20231	0.00323
cg00929606	chr7	South Shore	0.293068493	0.091525876	-0.201543	0.004883
cg01071511	chr7	North Shore	0.840748532	0.640346772	-0.200402	0.012047
cg19071544	chr7	Open Sea	0.66355004	0.463304742	-0.200245	0.000236
cg12782180	chr7	Island	0.479273272	0.279053945	-0.200219	0.033083
cg25673784	chr8	South Shore	0.635241826	0.159364828	-0.475877	0.041023
cg20982735	chr8	Island	0.615651331	0.154204928	-0.461446	0.00408
cg07570470	chr8	Island	0.564182068	0.112948107	-0.451234	2.91E-05
cg09851545	chr8	Open Sea	0.491357578	0.051168566	-0.440189	2.22E-08
cg15541630	chr8	Island	0.606029193	0.168580156	-0.437449	0.003975
cg11982546	chr8	Open Sea	0.496370096	0.064283211	-0.432087	1.35E-09
cg11931596	chr8	Open Sea	0.545507416	0.128272366	-0.417235	0.026233
cg17788832	chr8	Island	0.504833792	0.094057849	-0.410776	0.001627
cg03066788	chr8	Open Sea	0.630675387	0.221053621	-0.409622	0.01127
cg23816247	chr8	South Shore	0.50186278	0.102465358	-0.399397	0.000639
cg22524061	chr8	North Shore	0.574589441	0.176428412	-0.398161	0.040149
cg09557462	chr8	Island	0.484771494	0.098803541	-0.385968	0.043071
cg26268277	chr8	South Shore	0.498033201	0.116977012	-0.381056	0.048572
cg16848524	chr8	Island	0.468693965	0.089932856	-0.378761	0.000573
cg22146357	chr8	North Shore	0.443383105	0.081105701	-0.362277	2.64E-07
cg09506473	chr8	Island	0.43839906	0.079661279	-0.358738	2.18E-06
cg04717143	chr8	Island	0.525039517	0.168316303	-0.356723	0.039273
cg26205771	chr8	North Shore	0.42119502	0.067148309	-0.354047	7.97E-07
cg16314639	chr8	South Shore	0.48786784	0.141337087	-0.346531	0.01307
cg16103712	chr8	Open Sea	0.459832075	0.113987069	-0.345845	4.07E-07
cg02046552	chr8	Island	0.551533013	0.208137915	-0.343395	0.024525
cg19003304	chr8	North Shore	0.634618368	0.291257923	-0.34336	0.015273
cg14657725	chr8	North Shore	0.562751916	0.220047693	-0.342704	0.038761
cg20904475	chr8	Island	0.397243731	0.055347524	-0.341896	0.000855
cg11235391	chr8	Open Sea	0.440552275	0.09871152	-0.341841	8.95E-07
cg03979241	chr8	South Shelf	0.580701911	0.241834003	-0.338868	2.18E-06

cg08569678	chr8	North Shore	0.403117865	0.065567394	-0.33755	1.4E-06
cg10225865	chr8	Open Sea	0.434248674	0.103990746	-0.330258	0.000349
cg24340081	chr8	Open Sea	0.468726307	0.139866437	-0.32886	0.033779
cg19790640	chr8	South Shore	0.44216301	0.114356	-0.327807	0.003298
cg03653399	chr8	South Shore	0.837406014	0.511656077	-0.32575	0.029054
cg12729838	chr8	North Shelf	0.499735505	0.174711459	-0.325024	0.000311
cg01607321	chr8	Open Sea	0.718238936	0.398849233	-0.31939	0.025822
cg26256223	chr8	Island	0.385956021	0.068184026	-0.317772	0.002269
cg00713567	chr8	Island	0.546962467	0.229682771	-0.31728	0.042635
cg08894066	chr8	North Shore	0.741981972	0.427336627	-0.314645	0.026237
cg12174804	chr8	Island	0.444180962	0.134742696	-0.309438	0.008823
cg05185040	chr8	Island	0.687819399	0.380035087	-0.307784	0.000236
cg03899054	chr8	South Shelf	0.598769303	0.293567078	-0.305202	0.014903
cg15006175	chr8	Island	0.373448868	0.06871354	-0.304735	1.86E-05
cg17301223	chr8	Island	0.382360916	0.078413357	-0.303948	0.000245
cg17078116	chr8	Island	0.365895797	0.062612776	-0.303283	3.99E-06
cg07056138	chr8	Open Sea	0.438421678	0.136984527	-0.301437	0.000115
cg17963840	chr8	Island	0.510892797	0.210698726	-0.300194	0.019181
cg14904662	chr8	Island	0.357931244	0.058628057	-0.299303	0.000108
cg03157027	chr8	North Shore	0.430537565	0.133627032	-0.296911	0.043163
cg03434509	chr8	Island	0.378411065	0.086746796	-0.291664	3.55E-06
cg10423052	chr8	South Shore	0.365621007	0.074491813	-0.291129	9.76E-05
cg06319475	chr8	Island	0.387115748	0.097143867	-0.289972	5.55E-05
cg08296385	chr8	North Shore	0.458837494	0.169420131	-0.289417	0.042318
cg08002746	chr8	Open Sea	0.75264352	0.465744105	-0.286899	0.010515
cg27258399	chr8	Island	0.557215764	0.272310109	-0.284906	0.022202
cg17698295	chr8	Island	0.373672992	0.090134484	-0.283539	0.006801
cg22352078	chr8	Island	0.341618137	0.060135536	-0.281483	7.86E-06
cg09015433	chr8	Island	0.511195995	0.239339125	-0.271857	0.030741
cg18168101	chr8	South Shore	0.337550556	0.066254405	-0.271296	4E-05
cg25223771	chr8	Island	0.324951093	0.056256628	-0.268694	2.47E-05
cg26199906	chr8	Island	0.408658134	0.141055798	-0.267602	0.006575
cg24390932	chr8	Open Sea	0.82133144	0.559261596	-0.26207	0.012275
cg26288502	chr8	Open Sea	0.322737506	0.061683719	-0.261054	0.001429
cg07645844	chr8	Island	0.479379675	0.220075596	-0.259304	0.001938
cg10870165	chr8	Open Sea	0.529473794	0.271401634	-0.258072	0.022781
cg22283653	chr8	South Shore	0.322031168	0.065483603	-0.256548	0.00121
cg08915632	chr8	North Shelf	0.631782257	0.378404132	-0.253378	0.019103
cg23008606	chr8	Island	0.350593814	0.097230358	-0.253363	0.000995
cg05062087	chr8	Island	0.421871952	0.168726049	-0.253146	4.27E-05
cg11548083	chr8	Open Sea	0.43608758	0.183338731	-0.252749	0.026735
cg23820828	chr8	North Shore	0.515018208	0.262841457	-0.252177	0.001532
cg04366687	chr8	Island	0.405986771	0.154349012	-0.251638	0.000392
cg26947626	chr8	Island	0.309814605	0.060123246	-0.249691	9.99E-05
cg14332120	chr8	North Shore	0.822468397	0.576149215	-0.246319	0.006191
cg01656244	chr8	North Shore	0.356122008	0.112125035	-0.243997	0.001038
cg03074188	chr8	North Shore	0.593923565	0.35004606	-0.243878	5.35E-05
cg03924566	chr8	Island	0.312401117	0.06903776	-0.243363	4.21E-05
cg09050331	chr8	South Shore	0.46462825	0.221667171	-0.242961	0.008577
cg23696886	chr8	South Shore	0.360276197	0.117384947	-0.242891	0.04023

cg02574175	chr8	Open Sea	0.335113408	0.093111988	-0.242001	0.045404
cg21289397	chr8	Island	0.329648569	0.08890641	-0.240742	0.000229
cg02161761	chr8	South Shore	0.521586619	0.281084474	-0.240502	0.041475
cg12149911	chr8	South Shore	0.330399667	0.090506215	-0.239893	3.23E-05
cg20610654	chr8	North Shelf	0.727464434	0.488664849	-0.2388	0.012084
cg25307332	chr8	Open Sea	0.302061582	0.06546368	-0.236598	0.0004
cg24641352	chr8	North Shore	0.55917899	0.322977443	-0.236202	4.68E-05
cg25457832	chr8	North Shore	0.411600415	0.176747251	-0.234853	0.011057
cg02787980	chr8	Open Sea	0.636588325	0.402279019	-0.234309	0.000972
cg07263235	chr8	North Shore	0.352015962	0.119536994	-0.232479	0.016379
cg01887995	chr8	Island	0.332921664	0.10132498	-0.231597	0.02595
cg26394257	chr8	North Shore	0.310472585	0.080814362	-0.229658	0.00091
cg03025830	chr8	Island	0.801665219	0.572283932	-0.229381	4.98E-08
cg20541191	chr8	Open Sea	0.304352897	0.075757772	-0.228595	0.000875
cg21762788	chr8	Island	0.30590297	0.07920993	-0.226693	0.019811
cg17375585	chr8	Open Sea	0.313496054	0.087267595	-0.226228	0.014836
cg25258843	chr8	Island	0.384820407	0.159228428	-0.225592	0.004025
cg16998223	chr8	Open Sea	0.392143253	0.166987473	-0.225156	0.018089
cg14486338	chr8	Island	0.282136373	0.059209079	-0.222927	0.000171
cg12877723	chr8	Island	0.277186758	0.055221929	-0.221965	0.000248
cg08003628	chr8	South Shore	0.338907918	0.117265758	-0.221642	0.025174
cg17943279	chr8	Island	0.416038399	0.195110965	-0.220927	0.0003
cg02315271	chr8	South Shore	0.284745894	0.06466521	-0.220081	0.002134
cg04118306	chr8	Island	0.258766462	0.038763143	-0.220003	0.000178
cg14627709	chr8	Open Sea	0.64904499	0.429811573	-0.219233	0.000465
cg07205791	chr8	North Shore	0.885130894	0.665961442	-0.219169	9.37E-05
cg14663451	chr8	Open Sea	0.485918116	0.267149293	-0.218769	0.000467
cg11947187	chr8	Open Sea	0.498877075	0.280167599	-0.218709	0.02841
cg14695492	chr8	Island	0.382292703	0.164003669	-0.218289	3.62E-05
cg20309121	chr8	Island	0.279981577	0.062584137	-0.217397	0.001744
cg16473915	chr8	Island	0.391804991	0.17479677	-0.217008	9.31E-05
cg26471398	chr8	Open Sea	0.783032772	0.566381782	-0.216651	0.00018
cg01460430	chr8	Open Sea	0.496364107	0.279872614	-0.216491	0.000216
cg06242449	chr8	North Shore	0.544665255	0.328312496	-0.216353	0.000492
cg23831143	chr8	Island	0.259049685	0.04404941	-0.215	0.000112
cg27616227	chr8	Open Sea	0.348552529	0.135035811	-0.213517	0.000207
cg12166610	chr8	Island	0.295573325	0.08210701	-0.213466	4.4E-05
cg14153637	chr8	South Shore	0.389800789	0.17757115	-0.21223	0.005387
cg10930667	chr8	Open Sea	0.728179298	0.516567983	-0.211611	0.000889
cg08827307	chr8	Island	0.263665378	0.052205864	-0.21146	0.001369
cg17649385	chr8	South Shore	0.2773122	0.066395248	-0.210917	0.000551
cg12133754	chr8	Open Sea	0.253576061	0.043006931	-0.210569	0.000159
cg16799111	chr8	Island	0.309454103	0.101591395	-0.207863	0.037622
cg03074026	chr8	North Shore	0.278148907	0.070763081	-0.207386	0.000708
cg20938454	chr8	Island	0.299088106	0.092169063	-0.206919	0.000647
cg08072539	chr8	South Shore	0.787337935	0.580504357	-0.206834	0.037598
cg17808631	chr8	South Shore	0.713893379	0.50735503	-0.206538	0.000197
cg03079395	chr8	North Shore	0.301412862	0.096827749	-0.204585	0.002992
cg26966828	chr8	Open Sea	0.342418503	0.139157181	-0.203261	0.000286
cg02416510	chr8	North Shore	0.317161413	0.114859023	-0.202302	0.000156

cg20916578	chr8	South Shore	0.540361302	0.338106545	-0.202255	0.033319
cg22453529	chr8	Island	0.696192663	0.49443911	-0.201754	0.02141
cg23954787	chr8	South Shore	0.270683231	0.069885743	-0.200797	0.000641
cg12376422	chr9	Island	0.650976827	0.207722175	-0.443255	0.041086
cg07084627	chr9	Island	0.640197141	0.235980061	-0.404217	6.21E-07
cg14081465	chr9	Open Sea	0.472323311	0.068851767	-0.403472	4.71E-09
cg21234471	chr9	Open Sea	0.424456796	0.031469292	-0.392988	3.41E-09
cg13683534	chr9	Open Sea	0.521784059	0.133486206	-0.388298	0.034016
cg14611152	chr9	South Shore	0.454373516	0.084961668	-0.369412	4.15E-07
cg05146756	chr9	North Shore	0.506713702	0.141317969	-0.365396	0.001186
cg00107630	chr9	North Shore	0.475928794	0.116050107	-0.359879	3.22E-08
cg14270434	chr9	North Shore	0.482457818	0.142462165	-0.339996	0.001723
cg14164080	chr9	Open Sea	0.459735914	0.121290682	-0.338445	0.000565
cg13784312	chr9	Open Sea	0.442167875	0.120385895	-0.321782	0.000198
cg17355191	chr9	Island	0.417999391	0.109882685	-0.308117	0.002657
cg14425564	chr9	Open Sea	0.43132627	0.134932244	-0.296394	0.014469
cg00049440	chr9	North Shore	0.353415147	0.060230568	-0.293185	2.99E-05
cg13687497	chr9	North Shelf	0.705927409	0.416499998	-0.289427	0.015925
cg02516189	chr9	South Shelf	0.429726592	0.145538647	-0.284188	0.0028
cg07950002	chr9	Island	0.36179063	0.079308847	-0.282482	8.01E-05
cg13444518	chr9	South Shore	0.329868644	0.053586964	-0.276282	2.81E-05
cg13390867	chr9	Open Sea	0.371640605	0.102935614	-0.268705	0.000402
cg13487983	chr9	North Shelf	0.448530801	0.180460867	-0.26807	7.27E-08
cg16872071	chr9	South Shore	0.633175662	0.36930511	-0.263871	0.006722
cg13696609	chr9	South Shore	0.421456578	0.158825134	-0.262631	0.047808
cg23395310	chr9	Island	0.429247727	0.166638823	-0.262609	0.045183
cg13622450	chr9	North Shelf	0.481271131	0.220636639	-0.260634	0.045169
cg03085321	chr9	North Shore	0.749534531	0.49512708	-0.254407	0.007633
cg13971484	chr9	South Shelf	0.499314673	0.246356693	-0.252958	3.93E-05
cg13660174	chr9	North Shelf	0.535956666	0.283204429	-0.252752	0.029193
cg10129025	chr9	Island	0.466028807	0.214195822	-0.251833	0.015073
cg00767010	chr9	Island	0.363617647	0.112771236	-0.250846	0.00231
cg13718827	chr9	North Shelf	0.790228183	0.542160638	-0.248068	0.022651
cg01327147	chr9	Island	0.770449482	0.522844291	-0.247605	0.000413
cg14384158	chr9	North Shore	0.365277428	0.120599963	-0.244677	0.001386
cg20083676	chr9	Island	0.448177102	0.208577582	-0.2396	0.016257
cg05001389	chr9	Open Sea	0.415950985	0.179927595	-0.236023	3.95E-06
cg10836809	chr9	South Shore	0.297925329	0.064657081	-0.233268	0.000237
cg13583162	chr9	North Shelf	0.690738742	0.459872584	-0.230866	0.023966
cg13587564	chr9	South Shore	0.858752973	0.632053328	-0.2267	1.56E-05
cg00115654	chr9	Island	0.400716989	0.174461903	-0.226255	4.73E-06
cg14600824	chr9	Island	0.276351786	0.058949086	-0.217403	0.000312
cg14641472	chr9	North Shore	0.316289151	0.100701825	-0.215587	0.001161
cg14186336	chr9	Open Sea	0.71655481	0.501556043	-0.214999	3.44E-05
cg13946341	chr9	Open Sea	0.315121258	0.104844882	-0.210276	0.004153
cg25400746	chr9	Island	0.290063995	0.079884508	-0.210179	0.003514
cg14218621	chr9	Open Sea	0.764049626	0.554501814	-0.209548	0.007974
cg14338345	chr9	Island	0.299396024	0.089877925	-0.209518	0.000561
cg22791453	chr9	Island	0.251771782	0.04364207	-0.20813	5.13E-05
cg14481454	chr9	Open Sea	0.259476051	0.054281171	-0.205195	0.001954

cg13914004	chr9	North Shore	0.26969245	0.066462975	-0.203229	0.00778
cg03337093	chr9	North Shore	0.369797281	0.167875357	-0.201922	0.011039
cg04007303	chr9	North Shore	0.398375923	0.197949	-0.200427	0.002014