

Table ST2. Genome-wide multi-point LOD scores for social responsiveness as a quantitative trait in 590 families from AGRE using teacher/parent reports.

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CHR,CM,SNP,LOD
1,0.014,rs903914,-0.071
1,0.052,rs6665546,-0.087
1,0.058,rs10910061,-0.084
1,0.075,rs2843160,-0.073
1,0.133,rs2840532,-0.058
1,0.239,rs4531246,-0.056
1,0.328,rs10910078,-0.059
1,1.391,rs10909890,-0.050
1,1.463,rs4648384,-0.050
1,1.591,rs10797342,-0.043
1,1.761,rs10797368,-0.038
1,1.840,rs11583804,-0.036
1,1.844,rs878201,-0.037
1,1.858,rs2485945,-0.043
1,1.875,rs12044030,-0.051
1,2.046,rs2142569,-0.080
1,2.207,rs1569419,-0.071
1,2.237,rs926244,-0.068
1,2.260,rs2817168,-0.062
1,2.280,rs2993493,-0.046
1,2.364,rs2817178,-0.036
1,2.411,rs2817185,-0.033
1,2.468,rs1798246,-0.030
1,2.634,rs12124147,-0.052
1,2.637,rs2651906,-0.052
1,2.653,rs16823542,-0.053
1,2.721,rs2455118,-0.066
1,2.740,rs10797386,-0.073
1,2.768,rs3002685,-0.084
1,2.864,rs10909918,-0.084
1,3.029,rs4415513,-0.075
1,3.054,rs2483256,-0.081
1,3.128,rs4648489,-0.054
1,3.131,rs2493310,-0.042
1,3.151,rs868688,-0.056
1,3.173,rs2493275,-0.062
1,3.213,rs12024847,-0.073
1,3.260,rs1984069,-0.094
1,3.281,rs870171,-0.091
1,3.302,rs2493272,-0.088
1,3.475,rs4648505,-0.064
1,3.531,rs947344,-0.055
1,3.616,rs12119711,-0.051
1,3.634,rs4648524,-0.048
1,3.684,rs878063,-0.039
1,3.690,rs2821063,-0.038
1,3.803,rs7544357,-0.021
1,3.866,rs4648398,-0.017
1,3.906,rs4276857,-0.025
1,4.031,rs3765692,-0.059
1,4.055,rs3765703,-0.075
1,4.069,rs3765705,-0.078
1,4.173,rs3765761,-0.080
1,4.191,rs747827,-0.075
1,4.320,rs1181883,-0.065
1,4.329,rs1181877,-0.076
1,4.376,rs2799182,-0.056
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1,4.523,rs6663840,-0.047
1,4.640,rs10797348,-0.051
1,4.710,rs7367066,-0.043
1,4.735,rs12082157,-0.041
1,5.328,rs12724233,-0.041
1,5.341,rs7519458,-0.028
1,5.350,rs6661168,-0.034
1,5.352,rs4654482,-0.029
1,5.358,rs11590912,-0.015
1,5.367,rs6681347,-0.011
1,5.425,rs12031557,-0.021
1,5.443,rs11587331,-0.024
1,5.724,rs4391636,-0.012
1,5.729,rs12093951,-0.013
1,5.793,rs4462110,-0.011
1,5.794,rs6676961,-0.011
1,5.812,rs10915428,-0.012
1,5.847,rs7548756,-0.013
1,6.155,rs6426402,-0.000
1,6.178,rs10915478,-0.001
1,6.235,rs12132422,-0.001
1,6.296,rs966321,-0.001
1,6.445,rs1762814,-0.000
1,6.475,rs780587,-0.000
1,6.585,rs11799990,-0.001
1,6.620,rs1878052,-0.001
1,6.700,rs6703696,-0.001
1,6.823,rs6685798,-0.002
1,6.948,rs12567277,-0.002
1,6.968,rs164781,-0.002
1,7.032,rs875807,-0.002
1,7.108,rs10915577,-0.001
1,7.170,rs11587129,-0.006
1,7.190,rs2071995,-0.006
1,7.205,rs763238,-0.006
1,7.242,rs7518469,-0.005
1,7.324,rs3820252,-0.009
1,7.332,rs242044,-0.009
1,7.367,rs3753702,-0.011
1,7.438,rs12119789,-0.012
1,7.549,rs4654607,-0.030
1,7.627,rs2181699,-0.036
1,7.700,rs7549868,-0.036
1,7.826,rs6426446,-0.033
1,7.877,rs10915668,-0.033
1,7.900,rs11585268,-0.034
1,7.944,rs10915683,-0.035
1,7.961,rs12042532,-0.022
1,7.965,rs9286971,-0.022
1,8.007,rs12029491,-0.023
1,8.017,rs10799145,-0.024
1,8.028,rs3101219,-0.026
1,8.064,rs6666330,-0.031
1,8.084,rs7365286,-0.035
1,8.125,rs9662885,-0.039
1,8.226,rs10799157,-0.049
1,8.249,rs1563792,-0.050
1,8.325,rs2242157,-0.056
1,8.486,rs6698702,-0.087
1,8.523,rs7536712,-0.102
1,8.618,rs12026938,-0.124

1,8.642,rs12135834,-0.128
1,8.648,rs4475768,-0.081
1,8.648,rs494046,-0.078
1,8.667,rs630153,-0.066
1,8.712,rs12141954,-0.068
1,8.713,rs604664,-0.068
1,8.720,rs557477,-0.069
1,8.738,rs912988,-0.076
1,8.754,rs11579000,-0.076
1,8.773,rs12040942,-0.077
1,8.886,rs6681674,-0.094
1,9.004,rs3924260,-0.104
1,9.134,rs1004125,-0.101
1,9.152,rs11260698,-0.100
1,9.217,rs10796400,-0.066
1,9.268,rs7515958,-0.053
1,9.348,rs1775421,-0.046
1,9.350,rs1818038,-0.046
1,9.358,rs1775416,-0.045
1,9.412,rs707582,-0.036
1,9.431,rs9439605,-0.033
1,9.439,rs945322,-0.032
1,9.487,rs971816,-0.025
1,9.493,rs709184,-0.036
1,9.499,rs707590,-0.030
1,9.611,rs770693,-0.029
1,9.752,rs4129514,-0.041
1,9.899,rs1698976,-0.041
1,9.926,rs548726,-0.039
1,10.154,rs551207,-0.027
1,10.531,rs546526,-0.014
1,10.706,rs1295087,-0.012
1,10.949,rs3789541,-0.004
1,11.122,rs2281303,-0.000
1,11.152,rs1883767,-0.000
1,11.323,rs9435102,0.001
1,11.371,rs1883604,0.001
1,11.386,rs731975,0.000
1,11.481,rs1802353,0.001
1,11.540,rs4908874,0.002
1,11.626,rs6696861,0.001
1,11.802,rs2103673,0.004
1,11.903,rs4908898,0.000
1,12.000,rs12041318,-0.003
1,12.012,rs449250,-0.004
1,12.021,rs12069069,-0.004
1,12.075,rs6688732,-0.003
1,12.096,rs11586867,-0.004
1,12.285,rs4243823,-0.001
1,12.616,rs2187901,0.001
1,12.660,rs2071917,0.001
1,12.777,rs17030322,0.003
1,12.783,rs17349921,0.003
1,12.856,rs970973,0.006
1,12.858,rs1894647,0.003
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1,13.007,rs6577430,0.009
1,13.039,rs12409413,0.017
1,13.086,rs7543711,0.016
1,13.140,rs1029322,0.013

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1,13.452,rs9988557,0.001
1,13.574,rs1193185,-0.003
1,13.580,rs17030993,-0.003
1,13.600,rs1193167,-0.003
1,13.603,rs6577449,-0.003
1,13.605,rs12407666,-0.003
1,13.609,rs1193158,-0.000
1,13.610,rs4908654,-0.000
1,13.621,rs4317829,-0.000
1,13.658,rs17027053,-0.001
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1,13.690,rs3011936,-0.000
1,13.698,rs2301488,-0.001
1,13.715,rs707455,-0.001
1,13.758,rs228648,-0.004
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1,13.896,rs225133,-0.011
1,14.024,rs7529511,-0.006
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1,14.031,rs9434618,-0.005
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1,14.059,rs17032281,-0.004
1,14.088,rs6663882,-0.003
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1,14.152,rs299499,-0.001
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1,14.262,rs1466654,-0.003
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1,14.974,rs2038903,-0.015
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1,15.083,rs6688840,-0.036
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1,15.142,rs17032942,-0.071
1,15.161,rs2895997,-0.086
1,15.164,rs7516862,-0.088
1,15.174,rs7530465,-0.091
1,15.181,rs7537425,-0.127
1,15.245,rs1612895,-0.101
1,15.267,rs1327257,-0.090
1,15.297,rs6697376,-0.081
1,15.362,rs12128240,-0.084
1,15.377,rs797252,-0.087
1,15.392,rs4908527,-0.090
1,15.407,rs4908817,-0.088
1,15.450,rs1009940,-0.098
1,15.507,rs2268169,-0.122
1,15.510,rs6688832,-0.124
1,15.579,rs916380,-0.104
1,15.618,rs4465231,-0.096
1,15.634,rs9726385,-0.093
1,15.807,rs926249,-0.056
1,15.829,rs17377604,-0.053
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1,17.146,rs12741973,-0.052
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1,17.567,rs4845948,-0.050
1,17.585,rs7514751,-0.054
1,17.725,rs4845953,-0.048
1,17.771,rs205483,-0.063
1,17.773,rs205484,-0.064
1,17.815,rs205488,-0.072
1,17.983,rs1776220,-0.095
1,18.030,rs539790,-0.102
1,18.033,rs634478,-0.103
1,18.082,rs12140279,-0.105
1,18.153,rs7543046,-0.107
1,18.161,rs1280988,-0.107
1,18.198,rs1280996,-0.131
1,18.317,rs10864479,-0.153
1,18.379,rs12748162,-0.156
1,18.514,rs11121663,-0.145
1,18.544,rs2003046,-0.142
1,18.641,rs11121675,-0.117
1,19.765,rs2982373,-0.139
1,19.840,rs909836,-0.129
1,20.008,rs12058244,-0.111
1,20.132,rs11585441,-0.112
1,20.150,rs3124627,-0.113
1,20.455,rs11808316,-0.190
1,20.558,rs761087,-0.216
1,20.648,rs17037122,-0.220
1,20.706,rs9614,-0.250
1,20.724,rs12139487,-0.264
1,20.777,rs2336030,-0.336
1,20.866,rs6687381,-0.448
1,20.875,rs2336034,-0.454
1,20.895,rs4846028,-0.464
1,20.943,rs12095517,-0.509
1,20.958,rs4073574,-0.515
1,21.204,rs198388,-0.516
1,21.300,rs7554547,-0.569
1,21.302,rs2273289,-0.578
1,21.303,rs2295281,-0.587
1,21.304,rs4514248,-0.583
1,21.306,rs6690493,-0.621
1,21.307,rs6541014,-0.633
1,21.307,rs501525,-0.619
1,21.308,rs535068,-0.612
1,21.308,rs3766735,-0.596
1,21.308,rs631272,-0.565

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1,21.329,rs1061631,-0.515
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1,21.965,rs11121955,-0.309
1,22.022,rs10779772,-0.336
1,22.106,rs2359533,-0.391
1,22.184,rs4845917,-0.391
1,22.232,rs11810835,-0.402
1,23.810,rs3013105,-0.800
1,23.836,rs3845608,-0.816
1,23.861,rs3013045,-0.831
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1,24.480,rs1203651,-0.844
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1,25.142,rs7515917,-0.892
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1,25.279,rs12568548,-0.835
1,25.314,rs517269,-0.813
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1,26.073,rs10803285,-0.549

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1,26.180,rs4385705,-0.578
1,26.244,rs7527439,-0.587
1,26.589,rs761191,-0.575
1,26.711,rs2871581,-0.583
1,26.948,rs6429675,-0.564
1,26.965,rs6661767,-0.562
1,27.020,rs732469,-0.580
1,27.177,rs3845590,-0.620
1,27.248,rs11585327,-0.615
1,27.277,rs804129,-0.574
1,27.288,rs3845596,-0.626
1,27.294,rs4661539,-0.659
1,27.445,rs4661548,-0.631
1,27.512,rs7531035,-0.584
1,27.521,rs4661310,-0.592
1,27.544,rs2311975,-0.641
1,27.556,rs6429703,-0.637
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1,28.256,rs733887,-0.236
1,28.328,rs555015,-0.200
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1,31.498,rs16823950,-0.008
1,31.500,rs2977290,-0.008
1,31.503,rs10127662,-0.008
1,31.505,rs12091488,-0.008
1,31.522,rs2977310,-0.033
1,31.624,rs7548900,-0.017
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1,32.367,rs2134482,-0.011
1,32.397,rs7522419,-0.011
1,32.433,rs11581535,-0.008
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1,32.654,rs694214,-0.025
1,32.701,rs647325,-0.027
1,32.729,rs647619,-0.028
1,32.927,rs661977,-0.030
1,32.999,rs1192630,-0.033
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1,33.190,rs4532860,-0.024
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1,34.099,rs1399437,-0.067
1,34.153,rs109490,-0.058
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1,34.273,rs11801569,-0.062
1,34.458,rs6663855,-0.042
1,34.584,rs542634,-0.046
1,34.709,rs10465918,-0.048
1,34.743,rs7538502,-0.049
1,34.824,rs7512723,-0.045
1,34.968,rs1850750,-0.039
1,35.156,rs11261017,-0.033
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1,38.125,rs12140071,-0.221
1,38.183,rs2314759,-0.239
1,38.188,rs7513083,-0.250
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1,38.193,rs1317209,-0.268
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1,39.151,rs2223225,-0.090
1,39.213,rs230178,-0.109
1,39.214,rs230177,-0.109
1,39.238,rs10916780,-0.117
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1,39.392,rs616145,-0.129

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2,65.210,rs4952630,-0.157
2,65.243,rs7561779,-0.159
2,65.246,rs9309056,-0.159
2,65.267,rs42822,-0.152
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2,92.074,rs10191936,-1.109
2,92.076,rs2312070,-1.150
2,92.081,rs10169464,-1.227
2,92.151,rs7585796,-1.212
2,92.152,rs6743513,-1.212
2,92.208,rs4854538,-1.235

2,92.228,rs4241349,-1.244
2,92.278,rs11126220,-1.178
2,92.500,rs6758228,-1.105
2,92.545,rs7577851,-1.113
2,92.752,rs7563401,-1.257
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2,92.945,rs2464698,-1.331
2,93.068,rs1871241,-1.351
2,93.153,rs11681491,-1.346
2,93.420,rs1807968,-1.330
2,93.497,rs454305,-1.279
2,93.560,rs428225,-1.255
2,93.588,rs1523300,-1.191
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2,93.937,rs758062,-1.100
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2,94.303,rs6712273,-1.013
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2,94.387,rs10204437,-0.964
2,94.396,rs2075225,-0.953
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2,95.143,rs6546674,-0.903
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2,95.429,rs4852771,-0.851
2,96.107,rs13406110,-0.839
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2,96.165,rs4852787,-0.859
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2,96.214,rs6749480,-0.894
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2,96.481,rs2303606,-0.919
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2,161.501,rs6433017,0.064
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2,190.206,rs16830208,-0.346
2,190.287,rs1878204,-0.352
2,190.298,rs11686968,-0.331
2,190.299,rs17357652,-0.332
2,190.318,rs3106796,-0.336
2,190.411,rs4667274,-0.280
2,190.501,rs10194053,-0.302
2,190.534,rs17271148,-0.309
2,190.555,rs2352267,-0.314
2,190.577,rs7568054,-0.321
2,190.692,rs256546,-0.337
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2,190.810,rs2562817,-0.253
2,190.822,rs785248,-0.248
2,190.827,rs785209,-0.244
2,190.888,rs2664253,-0.191
2,190.909,rs291467,-0.187
2,190.939,rs1866852,-0.182
2,191.111,rs13392968,-0.184
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2,192.410,rs1517352,-0.183

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2,194.408,rs10931548,-0.046
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3,2.374,rs2729139,-0.114
3,2.406,rs2872338,-0.170
3,2.408,rs6782048,-0.144
3,2.416,rs2130276,-0.168
3,2.435,rs2036236,-0.219
3,2.456,rs7632166,-0.237
3,2.496,rs7644569,-0.269
3,2.530,rs3913305,-0.226
3,2.534,rs4082640,-0.229
3,2.547,rs4085434,-0.238
3,2.557,rs17037117,-0.254
3,2.599,rs17291093,-0.303
3,2.602,rs3772313,-0.306
3,3.015,rs3796174,-0.347
3,3.229,rs17038463,-0.352
3,3.303,rs9875177,-0.354
3,3.327,rs6791266,-0.355
3,3.546,rs17039471,-0.380
3,3.584,rs17193533,-0.384
3,3.644,rs2648451,-0.386
3,3.671,rs6781581,-0.324
3,3.890,rs9820473,-0.329
3,3.945,rs6779648,-0.319
3,3.970,rs2046239,-0.320
3,4.024,rs10510212,-0.328
3,4.243,rs7634053,-0.342
3,4.341,rs9883944,-0.347
3,4.465,rs6771572,-0.349
3,4.519,rs6796167,-0.345
3,4.669,rs7631181,-0.342
3,4.677,rs7610626,-0.341
3,4.685,rs9818677,-0.341
3,4.918,rs6763978,-0.402
3,5.002,rs2727950,-0.417
3,5.181,rs6777569,-0.318
3,5.199,rs9825844,-0.310
3,5.337,rs2727905,-0.274
3,5.427,rs2727925,-0.277
3,5.525,rs11720157,-0.287
3,5.589,rs1178517,-0.299
3,5.778,rs9841294,-0.337
3,5.791,rs1720199,-0.342
3,5.828,rs1967597,-0.349
3,5.857,rs1685495,-0.355
3,5.885,rs3856841,-0.374
3,5.885,rs11715813,-0.374
3,5.886,rs1827451,-0.375
3,5.977,rs9828150,-0.323
3,6.000,rs17015816,-0.287
3,6.005,rs6793017,-0.276
3,6.018,rs4685527,-0.253
3,6.031,rs2616585,-0.243
3,6.034,rs2728055,-0.237
3,6.035,rs13314366,-0.233
3,6.052,rs2728063,-0.186
3,6.080,rs2619579,-0.189
3,6.143,rs2728076,-0.176
3,6.186,rs1600359,-0.182
3,6.361,rs6804966,-0.156

3,6.449,rs1914009,-0.128
3,6.526,rs1949342,-0.123
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3,6.757,rs1033237,-0.086
3,6.771,rs11129265,-0.085
3,6.990,rs2222104,-0.137
3,7.138,rs1474021,-0.164
3,7.193,rs7615939,-0.174
3,7.292,rs975334,-0.194
3,7.407,rs11129309,-0.197
3,7.413,rs6772294,-0.197
3,7.444,rs1400207,-0.198
3,7.475,rs6776496,-0.197
3,7.540,rs9810902,-0.194
3,7.578,rs17584516,-0.187
3,7.644,rs11712375,-0.215
3,7.653,rs9867619,-0.217
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3,7.826,rs6442763,-0.264
3,7.849,rs4685575,-0.265
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3,8.210,rs6442766,-0.261
3,8.260,rs6786174,-0.257
3,8.336,rs344405,-0.224
3,8.507,rs168165,-0.230
3,8.757,rs9310923,-0.215
3,8.883,rs7649063,-0.203
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3,9.046,rs6776572,-0.261
3,9.097,rs4054727,-0.426
3,9.106,rs9310935,-0.433
3,9.115,rs163582,-0.442
3,9.210,rs2290611,-0.505
3,9.219,rs3792424,-0.517
3,9.265,rs3804803,-0.585
3,9.288,rs3804800,-0.626
3,9.301,rs334807,-0.686
3,9.303,rs3804797,-0.687
3,9.333,rs7647903,-0.655
3,9.394,rs6793085,-0.614
3,9.508,rs1153459,-0.569
3,9.561,rs1278150,-0.553
3,9.814,rs1669336,-0.492
3,10.126,rs6768756,-0.491
3,10.151,rs4685616,-0.496
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3,10.348,rs3846145,-0.526
3,10.352,rs1153452,-0.529
3,10.371,rs2322044,-0.524
3,10.405,rs1995196,-0.542
3,10.418,rs9835812,-0.551
3,10.439,rs4142860,-0.503
3,10.751,rs9874287,-0.503
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3,10.958,rs723168,-0.548
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3,13.782,rs11915920,-0.512
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3,13.890,rs17040638,-0.513
3,14.059,rs17040736,-0.499
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3,14.224,rs304053,-0.488
3,14.246,rs304006,-0.491
3,14.291,rs9822773,-0.479
3,14.309,rs11923960,-0.463
3,14.353,rs6804671,-0.466
3,14.406,rs4684427,-0.463
3,14.456,rs931503,-0.433
3,14.458,rs2029665,-0.432
3,14.510,rs4685785,-0.451
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3,14.660,rs9311395,-0.406
3,14.755,rs931389,-0.422
3,14.788,rs6786487,-0.422
3,14.797,rs3828437,-0.437
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3,14.800,rs6785305,-0.457
3,14.833,rs3805011,-0.433
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3,14.926,rs2291862,-0.479
3,15.006,rs4685829,-0.470
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3,15.018,rs11711879,-0.489
3,15.019,rs12493413,-0.527
3,15.019,rs3805032,-0.486
3,15.034,rs3805036,-0.515
3,15.156,rs3762781,-0.432
3,15.177,rs6807140,-0.480
3,15.287,rs6442919,-0.474
3,15.298,rs1955179,-0.474
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3,15.416,rs11925620,-0.470
3,15.427,rs2137947,-0.468
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3,15.868,rs11925441,-0.415
3,15.994,rs341981,-0.389
3,16.055,rs341973,-0.385
3,16.070,rs3846158,-0.382
3,16.164,rs9879338,-0.349
3,16.183,rs7638016,-0.346
3,16.276,rs407334,-0.332
3,16.312,rs4684476,-0.326
3,16.334,rs1114430,-0.321
3,16.433,rs4143244,-0.330
3,16.519,rs7635144,-0.362
3,16.570,rs10510305,-0.351
3,16.652,rs17042584,-0.361
3,16.739,rs2686534,-0.378
3,16.781,rs9311542,-0.398
3,16.838,rs17749328,-0.397
3,16.908,rs7633722,-0.387
3,16.975,rs6771379,-0.410
3,17.168,rs9284892,-0.433
3,17.266,rs9311613,-0.454
3,17.394,rs9311642,-0.474
3,17.405,rs1452713,-0.472
3,17.457,rs2444218,-0.468
3,17.465,rs721213,-0.487
3,17.471,rs1836577,-0.538
3,17.537,rs11711086,-0.526
3,17.631,rs717187,-0.525
3,17.685,rs977905,-0.516
3,17.699,rs7624621,-0.512
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3,18.068,rs9835716,-0.479
3,18.215,rs1914413,-0.402
3,18.273,rs908603,-0.365
3,18.315,rs868243,-0.362
3,18.358,rs7625359,-0.355
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3,18.562,rs1398788,-0.384
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3,19.144,rs9855624,-0.282
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3,19.376,rs4686076,-0.246
3,19.488,rs12491369,-0.193
3,19.496,rs7645283,-0.190
3,19.538,rs12635360,-0.160
3,19.548,rs163541,-0.140
3,19.563,rs6808904,-0.110
3,19.572,rs1400286,-0.107
3,19.610,rs7651971,-0.098
3,19.658,rs6773334,-0.104
3,19.667,rs17046239,-0.102
3,19.682,rs339805,-0.099

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3,19.920,rs6796324,-0.078
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3,19.936,rs781388,-0.119
3,19.955,rs670764,-0.121
3,19.989,rs2014195,-0.124
3,20.064,rs1021687,-0.113
3,20.201,rs9848973,-0.128
3,20.349,rs17031847,-0.135
3,20.564,rs13070476,-0.132
3,20.805,rs984123,-0.133
3,20.858,rs17652614,-0.134
3,20.908,rs7617297,-0.137
3,20.972,rs10510366,-0.137
3,20.982,rs9883258,-0.136
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3,21.221,rs7623046,-0.117
3,21.223,rs779710,-0.118
3,21.268,rs7374553,-0.161
3,21.398,rs779746,-0.151
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3,21.563,rs3804880,-0.156
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3,21.834,rs10510371,-0.178
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3,22.094,rs11706770,-0.142
3,22.247,rs326414,-0.106
3,22.381,rs17048334,-0.110
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3,22.475,rs1385437,-0.111
3,22.479,rs6764556,-0.127
3,22.495,rs6785352,-0.117
3,22.573,rs6793461,-0.083
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3,23.277,rs1905772,-0.055
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3,24.019,rs873227,-0.017
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3,25.710,rs341791,0.000
3,25.839,rs2662089,0.000
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3,30.174,rs6770931,-0.016
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3,30.273,rs370234,-0.017
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3,30.282,rs7647310,-0.014
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3,34.105,rs6442478,-0.017
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3,34.156,rs1389300,-0.019
3,34.252,rs293908,-0.024
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3,34.301,rs12491077,-0.016
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3,34.463,rs12489827,-0.024
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3,120.734,rs2062834,-0.004
3,120.765,rs17607135,-0.006
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3,120.805,rs9881461,-0.011
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3,120.814,rs2733403,-0.012
3,120.833,rs9882269,-0.013
3,120.848,rs2718424,-0.017
3,120.853,rs2718425,-0.018
3,120.885,rs7615798,-0.024
3,120.889,rs2953676,-0.025
3,120.899,rs7637678,-0.032
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3,121.719,rs9849343,-0.032
3,121.734,rs16823858,-0.037
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3,121.762,rs10934299,-0.044
3,121.767,rs736884,-0.043
3,121.793,rs7634702,-0.036
3,121.801,rs9848541,-0.035
3,121.827,rs714697,-0.028
3,121.839,rs9879241,-0.025
3,121.848,rs10934301,-0.023
3,121.868,rs2164930,-0.023
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3,122.095,rs1516519,0.005
3,122.103,rs10511351,0.003
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3,122.138,rs7612435,0.005
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3,122.462,rs4296590,0.034
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3,122.575,rs9841113,0.013
3,122.622,rs10934369,0.012
3,122.623,rs10511360,0.012
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3,126.766,rs2016491,0.011
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3,126.854,rs1403719,0.013
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3,130.087,rs333284,0.057
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3,130.919,rs2735226,0.022
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3,131.185,rs6792028,0.004
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3,131.409,rs4679115,-0.004
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3,137.365,rs6762188,0.178
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3,137.423,rs1913285,0.179
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3,138.410,rs10512871,0.193
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3,185.593,rs9813493,-0.122
3,185.618,rs3843881,-0.138
3,185.645,rs9817590,-0.147
3,185.671,rs2717302,-0.155
3,185.761,rs10937101,-0.186
3,185.986,rs4859156,-0.241
3,186.053,rs472795,-0.249
3,186.058,rs684174,-0.249
3,186.082,rs4859159,-0.254
3,186.139,rs7634425,-0.265
3,186.142,rs1496802,-0.264
3,186.179,rs7620788,-0.208
3,186.191,rs11719987,-0.197
3,186.195,rs10937128,-0.193
3,186.197,rs4859178,-0.191
3,186.230,rs4859188,-0.222
3,186.268,rs11919592,-0.226
3,186.275,rs1879784,-0.224
3,186.277,rs16857664,-0.225
3,186.309,rs2056324,-0.244
3,186.331,rs4066034,-0.233
3,186.337,rs4859121,-0.259
3,186.348,rs9824873,-0.264
3,186.411,rs9825921,-0.284
3,186.416,rs17621407,-0.286
3,186.554,rs6809370,-0.327
3,186.634,rs562,-0.319
3,186.883,rs12493550,-0.300
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3,187.203,rs843367,-0.338
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3,187.504,rs4912537,-0.272
3,187.608,rs4912486,-0.241
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3,187.757,rs7429010,-0.202
3,187.762,rs6806701,-0.201
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3,187.828,rs6777648,-0.172
3,187.879,rs13096649,-0.157
3,187.888,rs3930233,-0.155
3,187.900,rs7433081,-0.153
3,187.992,rs11720282,-0.164
3,188.097,rs4582031,-0.183
3,188.120,rs10937179,-0.184
3,188.131,rs9849690,-0.187
3,188.250,rs9846698,-0.203
3,188.346,rs10937186,-0.183
3,188.369,rs4687478,-0.185
3,188.386,rs9844571,-0.178
3,188.418,rs16859163,-0.188
3,188.429,rs6766579,-0.184
3,188.437,rs6786156,-0.184
3,188.473,rs2377102,-0.176
3,188.480,rs10513798,-0.174
3,188.485,rs12152460,-0.173
3,188.503,rs4686407,-0.169
3,188.510,rs17220361,-0.169
3,189.073,rs6765837,-0.186
3,189.277,rs11714089,-0.172
3,189.361,rs3774051,-0.155
3,189.554,rs9866735,-0.110
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3,189.719,rs9790230,-0.127
3,189.773,rs17826752,-0.133
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3,190.055,rs7619232,-0.161
3,190.078,rs1470579,-0.164
3,190.119,rs4634163,-0.189
3,190.123,rs6776536,-0.253
3,190.155,rs741604,-0.212
3,190.232,rs2251407,-0.215
3,190.244,rs4686400,-0.216
3,190.258,rs6444089,-0.209
3,190.280,rs13065531,-0.207
3,190.292,rs6768604,-0.207
3,190.510,rs7433760,-0.206
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3,190.706,rs4686734,-0.191
3,190.891,rs9815931,-0.175
3,190.897,rs1400360,-0.177
3,190.933,rs12492576,-0.249
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3,190.945,rs9968130,-0.221
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3,190.974,rs1014695,-0.226

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3,190.993,rs3819863,-0.208
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3,191.016,rs2268817,-0.180
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3,191.064,rs7618021,-0.169
3,191.072,rs9839753,-0.167
3,191.074,rs7432284,-0.166
3,191.081,rs9821408,-0.166
3,191.092,rs12496426,-0.160
3,191.150,rs6798365,-0.151
3,191.163,rs7610178,-0.153
3,191.165,rs4374519,-0.153
3,191.192,rs1868143,-0.136
3,191.196,rs6778486,-0.137
3,191.264,rs8147,-0.176
3,191.295,rs2070633,-0.167
3,191.337,rs9824398,-0.173
3,191.382,rs11918289,-0.177
3,191.393,rs1656922,-0.183
3,191.397,rs266723,-0.185
3,191.412,rs6807774,-0.196
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3,191.490,rs10937273,-0.222
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3,191.596,rs3887925,-0.158
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3,191.619,rs6766574,-0.143
3,191.623,rs3864108,-0.151
3,191.638,rs6444192,-0.180
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3,191.754,rs6798581,-0.162
3,191.855,rs6444210,-0.140
3,191.861,rs11916885,-0.140
3,191.913,rs1001073,-0.141
3,191.927,rs874603,-0.137
3,191.938,rs3815623,-0.135
3,191.972,rs850309,-0.120
3,192.011,rs698104,-0.125
3,192.044,rs12492885,-0.128
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3,192.128,rs751396,-0.162
3,192.133,rs16861986,-0.160
3,192.159,rs9028,-0.151
3,192.178,rs2378246,-0.147
3,192.276,rs7637064,-0.123
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3,194.242,rs498688,-0.073
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3,195.028,rs1679195,-0.125
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3,196.233,rs3732913,-0.009
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3,197.227,rs17614714,-0.016
3,197.304,rs925564,-0.016
3,197.355,rs3732908,-0.011
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3,197.467,rs7623540,-0.005
3,197.616,rs4686998,-0.018
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3,198.132,rs4686507,-0.009
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4,130.876,rs976259,-0.481
4,130.877,rs11936591,-0.482
4,130.916,rs10213462,-0.500
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4,131.035,rs7679087,-0.555
4,131.068,rs7375925,-0.558
4,131.150,rs903092,-0.559
4,131.340,rs7668810,-0.539
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4,131.599,rs6535038,-0.550

4,131.601,rs10519337,-0.546
4,131.616,rs13144694,-0.558
4,131.627,rs10034996,-0.531
4,131.628,rs6856596,-0.528
4,131.629,rs6813668,-0.525
4,131.652,rs9998469,-0.495
4,131.730,rs4527530,-0.397
4,131.742,rs4565135,-0.385
4,131.768,rs6856823,-0.365
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4,132.237,rs1504865,-0.367
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4,132.573,rs10013192,-0.297
4,132.721,rs6857747,-0.276
4,132.746,rs1558514,-0.320
4,132.806,rs4864340,-0.348
4,132.839,rs1476909,-0.350
4,132.868,rs1860966,-0.356
4,132.908,rs4315856,-0.367
4,132.971,rs12509396,-0.383
4,132.972,rs2406020,-0.383
4,133.021,rs7658823,-0.384
4,133.025,rs10519394,-0.388
4,133.049,rs7658630,-0.405
4,133.053,rs6832309,-0.400
4,133.105,rs10016963,-0.375
4,133.174,rs6842060,-0.294
4,133.209,rs7685312,-0.300
4,133.218,rs10007934,-0.304
4,133.262,rs1400918,-0.321
4,133.305,rs679959,-0.323
4,133.332,rs515800,-0.308
4,133.359,rs11735377,-0.256
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4,133.525,rs6816675,-0.297
4,133.574,rs987360,-0.317
4,133.624,rs6811274,-0.321
4,133.668,rs5020420,-0.322
4,133.698,rs2406747,-0.359
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4,133.853,rs6841316,-0.487
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4,143.405,rs5334,-0.213
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4,146.155,rs4696332,-0.226
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4,146.178,rs4447840,-0.173
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4,146.241,rs12500918,-0.160
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4,162.070,rs11730375,-0.236
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4,162.341,rs7682960,-0.224
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4,162.380,rs13140875,-0.207
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4,162.648,rs12509086,-0.238
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4,163.099,rs6846708,-0.169
4,163.101,rs12649186,-0.167
4,163.112,rs11933816,-0.165
4,163.119,rs6832582,-0.161
4,163.173,rs4635780,-0.167
4,163.266,rs2247733,-0.181
4,163.273,rs999958,-0.180
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4,163.710,rs2706740,-0.168
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4,193.110,rs7667992,0.000
4,193.177,rs4487396,0.001
4,193.187,rs2310357,0.001
4,193.243,rs6858040,0.001
4,193.273,rs9998709,0.001
4,193.309,rs11132350,0.000
4,193.364,rs7673778,-0.000
4,193.406,rs6814512,0.000
4,193.421,rs13111004,0.000
4,193.500,rs6552928,0.000
4,193.621,rs10002028,0.000
4,193.646,rs13132627,0.000
4,193.814,rs7680928,-0.000
4,193.991,rs959621,-0.000
4,194.003,rs1454746,0.000
4,194.043,rs830829,-0.001
4,194.084,rs4862611,-0.001
4,194.129,rs830838,-0.005
4,194.201,rs2008461,-0.004
4,194.261,rs1401573,-0.004
4,194.268,rs6815342,-0.004
4,194.389,rs7691384,-0.004
4,194.436,rs956239,-0.006
4,194.553,rs4608848,-0.009
4,194.701,rs1706145,-0.011
4,194.769,rs7660462,-0.011
4,194.941,rs2036912,-0.013
4,195.161,rs1912826,-0.009
4,195.380,rs4253418,-0.021
4,195.447,rs13145616,-0.026
4,195.499,rs1008728,-0.030
4,195.530,rs12331264,-0.032
4,195.550,rs6552971,-0.040
4,195.556,rs7687352,-0.042
4,195.759,rs1901314,-0.057
4,196.110,rs9999651,-0.078
4,196.207,rs10003777,-0.064
4,196.269,rs6830267,-0.078
4,196.305,rs11723176,-0.078
4,196.418,rs7699670,-0.093
4,196.543,rs13140444,-0.111
4,196.661,rs11930659,-0.102
4,196.802,rs2637777,-0.103

4,196.865,rs3733406,-0.099
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4,197.069,rs2130910,-0.088
4,197.079,rs2130909,-0.089
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4,197.474,rs925642,-0.082
4,197.552,rs6833702,-0.053
4,197.647,rs12640954,-0.038
4,198.078,rs4862742,-0.059
4,198.095,rs578135,-0.059
4,198.227,rs7682123,-0.062
4,198.240,rs999319,-0.062
4,198.266,rs754548,-0.062
4,198.730,rs6835306,-0.071
4,198.742,rs6814129,-0.071
4,198.787,rs7441526,-0.076
4,198.794,rs4862758,-0.076
4,198.918,rs6818214,-0.099
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4,202.608,rs7439650,-0.259
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4,202.614,rs6840208,-0.240
4,202.615,rs2172340,-0.239
4,202.616,rs2131287,-0.256
4,202.619,rs2889360,-0.249
4,202.624,rs1540663,-0.210
4,202.634,rs9684216,-0.225
4,202.640,rs13131525,-0.204
4,202.648,rs12501503,-0.159
4,202.652,rs4492063,-0.148
4,202.656,rs6813871,-0.147
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5,0.371,rs2672777,0.113
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5,0.819,rs7702532,0.063
5,0.961,rs4975533,0.058
5,0.966,rs326046,0.057
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5,1.028,rs3810854,0.059
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5,1.209,rs7727745,0.092
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5,1.381,rs2736122,0.132
5,1.490,rs2736100,0.152
5,1.780,rs27061,0.185
5,1.811,rs2963265,0.165
5,1.885,rs12516758,0.179
5,1.903,rs40184,0.183
5,1.969,rs27048,0.186
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5,2.067,rs403636,0.173
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5,3.337,rs2172532,0.117
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5,3.622,rs12188301,0.071
5,3.669,rs4975744,0.068
5,3.748,rs2232376,0.063
5,3.805,rs12653946,0.056
5,3.855,rs6894487,0.066
5,4.008,rs972973,0.055
5,4.022,rs10055976,0.054
5,4.243,rs4975721,0.052
5,4.324,rs4975807,0.052
5,4.415,rs6555046,0.055
5,4.486,rs10475134,0.058
5,4.519,rs4566837,0.055
5,4.534,rs10063808,0.060
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5,4.632,rs11950809,0.064
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5,4.719,rs6555064,0.143
5,4.724,rs7719723,0.147
5,4.771,rs7735656,0.158
5,4.826,rs10076206,0.168
5,4.864,rs4866475,0.170
5,4.948,rs16903629,0.167
5,4.968,rs12187097,0.165
5,5.016,rs10041522,0.163
5,5.051,rs10512689,0.153
5,5.159,rs10068115,0.123
5,5.166,rs1458513,0.123
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5,5.591,rs6869394,0.131
5,5.622,rs7715102,0.133
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5,6.584,rs406353,0.222
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5,7.115,rs6883371,0.178
5,7.201,rs1908976,0.194
5,7.308,rs1540708,0.221
5,7.327,rs10038374,0.226
5,7.405,rs7442964,0.256
5,7.436,rs559379,0.249
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5,7.657,rs2934555,0.193
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5,7.708,rs16874371,0.195
5,7.800,rs2934528,0.197
5,7.899,rs12657444,0.168
5,7.938,rs6861422,0.165
5,7.997,rs7712222,0.118
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5,8.226,rs167528,0.121
5,8.299,rs464918,0.141
5,8.372,rs314008,0.116
5,8.390,rs317000,0.110
5,8.496,rs903397,0.093
5,8.592,rs457099,0.087
5,8.606,rs251817,0.085
5,8.720,rs875853,0.073
5,8.729,rs1310088,0.072
5,8.740,rs1215667,0.072
5,8.743,rs396319,0.072
5,8.818,rs1691018,0.066
5,8.866,rs1441533,0.066
5,8.916,rs4476727,0.065
5,8.982,rs6896919,0.060
5,8.988,rs12188329,0.059
5,9.070,rs4521479,0.051
5,9.123,rs251433,0.038
5,9.134,rs32689,0.040
5,9.202,rs6555203,0.050
5,9.456,rs698144,0.033
5,9.560,rs4866585,0.049
5,9.573,rs828316,0.049
5,9.576,rs10042985,0.049
5,9.656,rs6555208,0.062
5,9.777,rs1502644,0.085
5,9.808,rs6892937,0.100
5,9.881,rs2134400,0.124
5,9.903,rs1566691,0.129
5,9.906,rs13174381,0.129
5,9.979,rs905350,0.136
5,9.990,rs2134404,0.135
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5,10.761,rs6860112,0.086
5,10.799,rs10076711,0.083
5,10.850,rs11953297,0.079
5,10.917,rs959937,0.090
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5,10.974,rs11739066,0.123
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5,11.172,rs261125,0.080
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5,11.238,rs4702677,0.017
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5,11.538,rs16873639,0.010
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5,11.586,rs6894400,0.002
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5,11.677,rs1346575,0.001
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5,11.821,rs10058793,0.002
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5,12.152,rs501031,0.003
5,12.170,rs6868240,0.003
5,12.227,rs16874489,0.005
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5,12.970,rs17762877,0.010
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5,13.112,rs2913633,0.014
5,13.147,rs1834928,0.021
5,13.182,rs2964411,0.019
5,13.211,rs2964399,0.017
5,13.326,rs4076657,0.021
5,13.404,rs4702257,0.022
5,13.436,rs2964478,0.021
5,13.469,rs7725935,0.020
5,13.543,rs2964149,0.018
5,13.747,rs2964137,0.013
5,13.770,rs2964132,0.012
5,13.840,rs2399696,0.011
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5,15.578,rs17746450,0.005
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5,15.821,rs11948091,0.011
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5,27.026,rs2673892,-0.000
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5,27.045,rs2936590,-0.003
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5,28.083,rs2083232,-0.000
5,28.169,rs6895554,-0.001
5,28.235,rs6860099,-0.000
5,28.253,rs17197013,-0.000
5,28.279,rs1995364,-0.000
5,28.298,rs16901129,-0.001
5,28.335,rs1354134,-0.001
5,28.353,rs16901148,-0.001
5,28.357,rs852562,-0.001
5,28.397,rs2937509,-0.001
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5,29.179,rs4702799,-0.004
5,29.228,rs1423493,-0.005
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5,29.294,rs40485,-0.002
5,29.312,rs31837,-0.002
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5,31.550,rs1596791,0.051
5,31.557,rs6868995,0.050
5,31.578,rs895314,0.050
5,31.701,rs1445823,0.052
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5,32.956,rs17428704,0.034
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5,33.212,rs40297,0.071
5,33.218,rs3993996,0.072
5,33.259,rs17307347,0.061
5,33.277,rs39968,0.062
5,33.309,rs152619,0.064
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5,33.713,rs152363,0.071
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5,34.082,rs844335,0.057

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5,34.576,rs304562,0.114
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5,34.900,rs3810847,0.116
5,35.025,rs1393266,0.113
5,35.047,rs32199,0.114
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5,37.245,rs7711618,-0.017
5,37.340,rs2562350,-0.018
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5,44.421,rs10071824,-0.049
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5,46.054,rs1353956,-0.075
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5,123.178,rs2036023,0.000
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5,123.589,rs4457117,0.002
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5,124.948,rs7727675,0.003
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5,125.835,rs6885430,0.015

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5,125.885,rs1508805,0.025
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5,125.971,rs10056717,0.033
5,125.977,rs17148296,0.033
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5,126.090,rs1560550,0.047
5,126.111,rs4632823,0.046
5,126.149,rs9637910,0.041
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5,126.314,rs2560302,0.025
5,126.451,rs992788,0.057
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5,126.848,rs6866750,0.074
5,126.950,rs4629597,0.075
5,126.970,rs7727904,0.074
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5,127.213,rs1545696,0.042
5,127.283,rs3776184,0.041
5,127.287,rs929772,0.041
5,127.289,rs4836483,0.046
5,127.290,rs10519721,0.047
5,127.370,rs1030179,0.037
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5,127.416,rs9687603,0.019
5,127.586,rs2067077,0.027
5,127.640,rs6595498,0.023
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5,127.751,rs4240372,0.018
5,127.767,rs989919,0.019
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5,127.866,rs37391,0.024
5,127.895,rs12188854,0.025
5,127.940,rs149533,0.026
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5,128.176,rs895298,0.039
5,128.193,rs7705687,0.044
5,128.242,rs393547,0.049
5,128.254,rs4568357,0.048
5,128.267,rs6890381,0.054
5,128.272,rs4574539,0.057
5,128.393,rs1494671,0.044
5,128.436,rs6873640,0.029
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5,128.574,rs6595536,0.062
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5,128.636,rs4836112,0.060
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5,128.763,rs6882715,0.063
5,128.790,rs4357032,0.052
5,128.852,rs930606,0.043
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5,129.341,rs1439593,0.043
5,129.342,rs6595591,0.043

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5,129.381,rs10075641,0.042
5,129.453,rs1347924,0.044
5,129.481,rs17152569,0.041
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5,129.554,rs10519815,0.034
5,129.576,rs13354270,0.033
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5,129.772,rs1400870,0.030
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5,129.938,rs2431597,0.045
5,129.941,rs17153316,0.049
5,129.945,rs2431598,0.042
5,129.949,rs329174,0.042
5,129.964,rs327826,0.034
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5,130.124,rs10042047,0.032
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5,130.196,rs955626,0.029
5,130.232,rs10042286,0.025
5,130.246,rs11747637,0.024
5,130.415,rs918440,0.026
5,130.417,rs6595693,0.026
5,130.431,rs7733479,0.033
5,130.460,rs11740466,0.026
5,130.485,rs11241891,0.015
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5,130.528,rs4836266,0.012
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5,130.564,rs4836271,0.011
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5,130.589,rs6870785,0.024
5,130.650,rs7701818,0.018
5,130.672,rs7720178,0.014
5,130.703,rs907195,0.008
5,130.726,rs2036846,0.008
5,130.730,rs2271353,0.008
5,130.746,rs3812062,0.009
5,130.787,rs3805739,0.012
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5,130.989,rs3936305,0.010
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5,131.415,rs3909885,0.017
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5,131.463,rs10478774,0.012
5,131.550,rs791077,0.016
5,131.560,rs7711139,0.017
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5,132.252,rs251215,0.002
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5,132.344,rs6891265,0.000
5,132.359,rs17165184,0.002
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5,132.396,rs2312243,0.004
5,132.416,rs7732209,0.005
5,132.461,rs17618074,0.007
5,132.512,rs10054567,0.009
5,132.642,rs252671,0.014
5,132.689,rs7717089,0.021
5,132.819,rs10077875,0.031
5,132.843,rs12515721,0.034
5,133.231,rs1363475,0.065
5,133.271,rs6858978,0.070
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5,133.298,rs11741204,0.073
5,133.830,rs3805685,0.074
5,133.845,rs7733814,0.074
5,133.912,rs272873,0.071
5,133.939,rs2073643,0.071
5,133.944,rs7705826,0.070
5,133.974,rs7703230,0.070
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5,134.027,rs2069812,0.054
5,134.060,rs2522391,0.053
5,134.094,rs2243204,0.052
5,134.114,rs1468216,0.050
5,134.167,rs803139,0.049
5,134.197,rs7721926,0.055
5,134.214,rs42395,0.058
5,134.296,rs3885730,0.048
5,134.343,rs7730747,0.044
5,134.388,rs4515334,0.050
5,134.476,rs2162769,0.052
5,134.483,rs3828692,0.052
5,134.497,rs736324,0.055
5,134.506,rs959727,0.052
5,134.521,rs11741756,0.055
5,134.528,rs17681747,0.053
5,134.529,rs890815,0.053
5,134.589,rs10900816,0.036
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5,134.603,rs10515457,0.022
5,134.663,rs4958121,0.005
5,134.690,rs700715,0.001
5,134.714,rs7729507,0.000
5,134.755,rs25869,0.000
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5,134.788,rs246961,0.002
5,134.797,rs27986,0.002
5,134.819,rs1366604,0.003
5,134.834,rs397649,0.004
5,134.847,rs700703,0.004
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5,135.132,rs4958144,0.000

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5,135.481,rs3909368,-0.001
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5,136.056,rs258522,0.006
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5,136.087,rs2084007,0.014
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5,136.190,rs10463924,0.012
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5,136.314,rs254551,0.015
5,136.432,rs495406,0.022
5,136.462,rs641455,0.019
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5,136.552,rs12514014,0.004
5,136.558,rs631607,0.004
5,136.568,rs2019973,0.002
5,136.572,rs6896456,0.002
5,136.581,rs17168022,0.002
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5,136.651,rs2652092,0.002
5,136.664,rs13163460,0.001
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5,140.880,rs17097850,-0.013
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5,191.868,rs10516111,-0.662
5,191.912,rs871503,-0.652
5,191.999,rs7705993,-0.540
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5,192.865,rs890755,-0.277
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5,193.040,rs10516124,-0.296
5,193.075,rs7725112,-0.307
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5,193.741,rs2431160,-0.248
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5,193.984,rs2135053,-0.316
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5,195.135,rs17572757,-0.075
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6,19.361,rs2076295,-0.348
6,19.384,rs2295859,-0.350
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6,19.484,rs9379120,-0.326
6,19.571,rs12197234,-0.338
6,19.637,rs6927500,-0.372
6,19.698,rs270406,-0.401
6,19.736,rs270404,-0.409
6,19.797,rs9379137,-0.440
6,20.034,rs3812162,-0.501
6,20.052,rs365936,-0.436
6,20.143,rs1150893,-0.512
6,20.317,rs2815155,-0.434
6,20.393,rs4401711,-0.414
6,20.422,rs9378524,-0.407
6,20.501,rs6924013,-0.390
6,20.530,rs491511,-0.391
6,20.591,rs9392980,-0.358
6,20.657,rs9502704,-0.293
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6,20.766,rs9393004,-0.249
6,20.769,rs10484750,-0.248
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6,21.269,rs12184061,-0.143
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6,21.316,rs4566922,-0.125
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6,21.410,rs13211231,-0.209
6,21.461,rs9502754,-0.230
6,21.489,rs742301,-0.241
6,21.539,rs382854,-0.249
6,21.639,rs2057512,-0.167
6,21.713,rs9406234,-0.186
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6,22.484,rs12194169,-0.249

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6,22.950,rs1410364,-0.218
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6,23.316,rs9396715,-0.223
6,23.334,rs10807600,-0.224
6,23.474,rs201260,-0.225
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6,23.706,rs4716310,-0.205
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6,23.708,rs1207009,-0.206
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6,23.860,rs1999565,-0.153
6,23.906,rs9368113,-0.153
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6,24.044,rs6456333,-0.159
6,24.133,rs7764232,-0.138
6,24.174,rs8180539,-0.141
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6,24.937,rs4712802,-0.136
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6,26.445,rs2327394,-0.186
6,26.528,rs9791189,-0.174
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6,27.431,rs210920,-0.238
6,27.483,rs9296142,-0.225
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6,37.697,rs9383219,-0.134
6,37.816,rs11753264,-0.139
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6, 51.218, rs3130453, -0.174
6, 51.233, rs2524099, -0.197
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6, 51.654, rs9267947, -0.223
6, 51.656, rs17576984, -0.223
6, 51.792, rs9405098, -0.228
6, 51.817, rs3129882, -0.227
6, 51.819, rs2239804, -0.228
6, 51.955, rs532098, -0.245
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6,52.122,rs2070121,-0.262
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6,52.141,rs241424,-0.282
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6,81.182,rs17403480,-0.004
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6,81.261,rs9452511,-0.003
6,81.278,rs6934929,-0.003
6,81.314,rs4710286,-0.003
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6,81.391,rs2144715,-0.002
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6,81.443,rs2350289,-0.001
6,81.483,rs1041522,-0.002
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6,81.650,rs1502991,-0.004
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6,81.980,rs6900214,-0.008
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6,82.115,rs6455106,-0.009
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6,82.552,rs183895,-0.017
6,82.580,rs9453873,-0.016
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6,83.203,rs7768996,-0.001
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6,83.960,rs978291,-0.010
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6,104.137,rs7763983,0.005
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6,104.250,rs3890820,0.003
6,104.258,rs6903499,0.002
6,104.271,rs6910833,0.001
6,104.275,rs17060130,0.001
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6,104.311,rs761711,0.003
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6,104.447,rs1506084,0.003
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6,105.136,rs1338162,0.000
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6,105.151,rs1465169,0.000
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6,105.302,rs2023169,0.000
6,105.408,rs611348,-0.001
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6,105.846,rs9498687,-0.000
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6,106.149,rs9498821,0.000
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6,106.283,rs7750307,0.001
6,106.284,rs6909610,0.001
6,106.292,rs11156175,0.001
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6,106.457,rs1431218,0.006
6,106.505,rs763231,0.004
6,106.620,rs4945830,0.000
6,106.659,rs9377478,0.000
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6,106.713,rs2506721,-0.000
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6,106.813,rs9386386,-0.001
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6,106.859,rs4610597,-0.003
6,106.888,rs9485899,-0.003
6,106.900,rs4639362,-0.003
6,106.910,rs7774633,-0.008
6,106.925,rs4489183,-0.009
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6,106.963,rs4357170,-0.009
6,107.005,rs6906370,-0.005
6,107.013,rs12110847,-0.005
6,107.014,rs9386402,-0.006
6,107.024,rs9322793,-0.003
6,107.110,rs2744183,-0.006
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6,107.713,rs7750532,-0.001
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6,107.866,rs947213,0.000
6,107.883,rs1189924,0.000
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6,108.146,rs7752220,-0.004
6,108.147,rs9386458,-0.004
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6,108.166,rs1041914,-0.021
6,108.210,rs6568387,-0.016
6,108.361,rs1948999,-0.031
6,108.447,rs1876560,-0.044
6,108.479,rs7738222,-0.047
6,108.482,rs1007664,-0.047
6,108.547,rs6917664,-0.038
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6,108.589,rs9372110,-0.029
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6,109.941,rs1462147,0.017
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6,110.186,rs6910496,0.017
6,110.252,rs9386579,0.018
6,110.260,rs3104037,0.018

6,110.305,rs2748289,0.017
6,110.370,rs9480705,0.020
6,110.383,rs3117389,0.020
6,110.435,rs6920626,0.032
6,110.457,rs7775079,0.042
6,110.480,rs3127646,0.038
6,110.518,rs4946795,0.028
6,110.606,rs12197404,0.023
6,110.614,rs1900601,0.023
6,110.729,rs9400081,0.020
6,110.742,rs1762703,0.018
6,110.830,rs4946810,0.023
6,110.890,rs9400094,0.027
6,110.954,rs11759792,0.025
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6,111.657,rs6936145,0.026
6,111.730,rs9373951,0.027
6,111.733,rs3924727,0.027
6,111.737,rs2914,0.026
6,111.738,rs699696,0.036
6,111.804,rs1401171,0.032
6,111.977,rs2244924,0.057
6,112.001,rs12204951,0.061
6,112.013,rs9384666,0.073
6,112.025,rs9372175,0.086
6,112.047,rs11153096,0.093
6,112.095,rs17069204,0.081
6,112.154,rs7769514,0.071
6,112.183,rs12180499,0.059
6,112.225,rs218291,0.030
6,112.229,rs12173906,0.030
6,112.270,rs217528,0.025
6,112.369,rs635051,0.021
6,112.764,rs9480861,0.014
6,112.766,rs9374035,0.014
6,112.788,rs9372187,0.014
6,112.990,rs517924,0.011
6,113.003,rs6913023,0.012
6,113.005,rs9486931,0.019
6,113.035,rs520324,0.022
6,113.064,rs1146229,0.014
6,113.114,rs9486961,0.013
6,113.148,rs1268055,0.013
6,113.187,rs2806371,0.011
6,113.243,rs2806358,0.008
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6,113.810,rs1321207,-0.011
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6,114.104,rs4546525,-0.023
6,114.189,rs6903208,-0.046
6,114.198,rs4557564,-0.050
6,114.212,rs4947035,-0.061
6,114.230,rs9487258,-0.074
6,114.268,rs4354185,-0.058
6,114.453,rs12191724,-0.040
6,114.621,rs761586,-0.026
6,114.626,rs976471,-0.029

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6,114.700,rs9384741,-0.023
6,114.717,rs17578180,-0.029
6,114.718,rs9481067,-0.029
6,114.759,rs2428190,-0.024
6,114.813,rs1989634,-0.016
6,114.819,rs2817782,-0.015
6,114.878,rs13197089,-0.018
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6,115.907,rs2235175,-0.000
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6,116.429,rs6933749,0.009
6,116.436,rs9400534,0.007
6,116.462,rs4947185,0.007
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6,116.737,rs6926282,0.008
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6,117.579,rs2049923,0.000
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6,117.751,rs9320485,0.004
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6,117.761,rs7752198,0.002
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6,118.911,rs9767278,0.037
6,118.913,rs11751090,0.037
6,118.921,rs1541317,0.039
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6,119.100,rs2105019,0.018
6,119.111,rs2152076,0.017
6,119.309,rs13220480,0.004
6,119.363,rs9481852,0.003
6,119.385,rs9489522,0.003
6,119.491,rs1889561,0.002
6,119.523,rs7749394,0.002
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6,119.541,rs9320680,0.004
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6,119.651,rs9320690,0.006
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6,119.819,rs7776137,0.010
6,119.838,rs1933873,0.012
6,119.840,rs2358048,0.012
6,119.872,rs9490054,0.015
6,120.041,rs7745023,0.036
6,120.124,rs17083553,0.051
6,120.131,rs17083598,0.056
6,120.155,rs6932373,0.076
6,120.210,rs4946578,0.073
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6,120.705,rs2684257,0.092
6,121.204,rs7751410,0.074
6,121.309,rs1741820,0.075
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6,122.023,rs9375186,0.132
6,122.094,rs4962262,0.135
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6,123.802,rs9490959,0.038
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6,124.993,rs1842129,0.016
6,125.020,rs7773205,0.027
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6,125.161,rs10499129,0.025
6,125.190,rs504008,0.023
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6,125.340,rs17767102,0.021
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6,164.177,rs4869859,0.007
6,164.198,rs9371379,0.013
6,164.220,rs9371910,0.013
6,164.367,rs12207602,0.012
6,164.398,rs11967053,0.011
6,164.407,rs9480206,0.017
6,164.436,rs4128674,0.020
6,164.459,rs9383776,0.023
6,164.558,rs9384389,0.016
6,164.672,rs6906938,0.014
6,164.684,rs4591861,0.014
6,164.774,rs6909234,0.015
6,164.809,rs1584535,0.017
6,164.850,rs1375714,0.021
6,164.891,rs10499290,0.018
6,164.986,rs7742923,0.013
6,164.998,rs10499286,0.012
6,165.051,rs2820406,0.011
6,165.120,rs9478696,0.020
6,165.147,rs9384450,0.019
6,165.170,rs9480304,0.018
6,165.202,rs7739135,0.018
6,165.261,rs9384456,0.015
6,165.353,rs2819091,0.005
6,165.388,rs2045138,0.008
6,165.577,rs288956,0.000
6,165.661,rs11156119,-0.000
6,165.750,rs9384488,-0.001
6,165.801,rs2151884,-0.000
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6,166.091,rs4318894,-0.011
6,166.097,rs9397995,-0.012

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6,166.103,rs13205126,-0.012
6,166.122,rs17088158,-0.011
6,166.123,rs10457101,-0.017
6,166.138,rs1007250,-0.017
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6,166.543,rs733207,-0.002
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6,166.703,rs9355891,-0.001
6,166.711,rs7765247,-0.001
6,166.728,rs1864500,-0.002
6,166.730,rs1753196,-0.002
6,166.731,rs16900421,-0.001
6,166.732,rs2770113,-0.000
6,166.737,rs2803358,-0.000
6,166.739,rs2803362,0.000
6,166.757,rs2770104,0.001
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6,168.044,rs9457456,-0.002
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6,169.756,rs409359,0.011
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6,169.761,rs378512,0.014
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6,171.983,rs480557,0.057
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6,172.685,rs9347553,0.055
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6,172.763,rs9458419,0.094
6,172.992,rs7738197,0.110
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6,174.605,rs2142524,0.159
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6,175.575,rs12529659,0.148
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7,40.788,rs11979343,0.156
7,40.808,rs2240005,0.156
7,40.848,rs1468185,0.157
7,40.869,rs2106943,0.152
7,40.933,rs8180767,0.123
7,40.962,rs143,0.150
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7,41.107,rs2526401,0.176
7,41.111,rs39436,0.180
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7,41.183,rs11970814,0.185
7,41.194,rs757202,0.186
7,41.244,rs2107124,0.171
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7,44.108,rs38523,0.142
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7,44.605,rs10239810,0.101
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7,44.981,rs42322,0.081
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7,47.906,rs7782330,0.165
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7,51.407,rs218112,0.156
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7,69.269,rs4415228,-0.129
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7,69.448,rs874321,-0.146
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7,70.167,rs17659820,-0.139
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7,73.191,rs10248051,-0.173
7,73.218,rs17799219,-0.171
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7,170.461,rs10282370,-0.002
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9,44.962,rs12341793,-0.026
9,44.964,rs10966093,-0.026
9,45.002,rs12339691,-0.025
9,45.013,rs1376141,-0.025
9,45.021,rs515951,-0.025
9,45.059,rs10966141,-0.028
9,45.139,rs4615671,-0.038
9,45.141,rs4548269,-0.038
9,45.203,rs4977917,-0.042
9,45.239,rs2298620,-0.052
9,45.290,rs7871735,-0.049
9,45.360,rs637658,-0.055
9,45.419,rs829750,-0.060
9,45.520,rs4618784,-0.071
9,45.545,rs10812054,-0.073
9,45.978,rs1332677,-0.078
9,46.131,rs16908770,-0.083
9,46.183,rs11998852,-0.085
9,46.369,rs2038965,-0.090
9,46.495,rs1318995,-0.068
9,46.590,rs1461331,-0.090
9,46.590,rs10812156,-0.090
9,46.593,rs7046929,-0.091
9,46.598,rs1563950,-0.092
9,46.651,rs10966805,-0.033
9,46.653,rs10812206,-0.044
9,46.666,rs10757517,-0.048
9,46.669,rs4977974,-0.047
9,46.685,rs980462,-0.045
9,46.708,rs7035858,-0.044
9,47.151,rs1929973,-0.075
9,47.297,rs4451410,-0.087
9,47.351,rs10511761,-0.091
9,47.373,rs7036435,-0.092
9,47.423,rs10511762,-0.098
9,47.490,rs7036161,-0.090
9,47.507,rs4534200,-0.085
9,47.603,rs1128953,-0.107

9,47.654,rs4461986,-0.074
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9,47.760,rs12352086,-0.061
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9,47.898,rs1220087,-0.056
9,47.953,rs1220064,-0.050
9,47.975,rs16909835,-0.052
9,48.117,rs541805,-0.060
9,48.224,rs1332340,-0.087
9,48.261,rs9942876,-0.089
9,48.354,rs957252,-0.097
9,48.488,rs6475882,-0.124
9,48.708,rs443014,-0.134
9,48.721,rs514616,-0.134
9,48.762,rs1336467,-0.136
9,48.895,rs6475895,-0.145
9,48.964,rs4111166,-0.147
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9,49.177,rs765888,-0.204
9,49.183,rs1434478,-0.205
9,49.240,rs1336336,-0.211
9,49.283,rs10967566,-0.212
9,49.370,rs12003612,-0.213
9,49.474,rs16910953,-0.212
9,49.543,rs621786,-0.214
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9,49.575,rs7034505,-0.163
9,49.575,rs7035021,-0.163
9,49.585,rs1413825,-0.163
9,49.596,rs666478,-0.164
9,49.610,rs581724,-0.164
9,49.613,rs1334811,-0.144
9,49.614,rs2224529,-0.135
9,49.624,rs692946,-0.136
9,49.802,rs1853186,-0.142
9,49.933,rs2383722,-0.144
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9,50.166,rs10967901,-0.168
9,50.218,rs12003803,-0.151
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9,50.302,rs1330921,-0.171
9,50.320,rs4483251,-0.176
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9,51.299,rs1982915,-0.177
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9,51.342,rs702231,-0.183
9,51.445,rs2889829,-0.197
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9,51.683,rs2026147,-0.122
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9,51.701,rs1857079,-0.109

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9,52.114,rs10968246,-0.043
9,52.118,rs1930003,-0.043
9,52.207,rs1343457,-0.048
9,52.232,rs1147819,-0.046
9,52.240,rs10968314,-0.046
9,52.260,rs7853840,-0.054
9,52.263,rs7858580,-0.054
9,52.273,rs7849984,-0.059
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9,52.875,rs10757755,-0.050
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9,52.912,rs2383772,-0.046
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9,53.041,rs10491623,-0.032
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9,53.146,rs2183831,-0.038
9,53.169,rs7022573,-0.041
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9,53.175,rs10969197,-0.040
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9,53.524,rs10969455,-0.018
9,53.533,rs10813205,-0.017
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9,55.159,rs300629,-0.002
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9,55.395,rs10971412,-0.008
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9,56.934,rs10758268,-0.042
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9,57.632,rs10814323,-0.113
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9,57.800,rs12553273,-0.146
9,58.052,rs2094394,-0.186
9,58.104,rs12379827,-0.171
9,58.112,rs11792514,-0.169
9,58.123,rs11794314,-0.167
9,58.139,rs1887432,-0.182
9,58.160,rs7857754,-0.162
9,58.178,rs752358,-0.168
9,58.217,rs1887438,-0.113
9,58.364,rs10758401,-0.091
9,58.479,rs1176844,-0.070
9,58.522,rs2800266,-0.074
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9,59.256,rs4880042,-0.080
9,59.263,rs1888016,-0.085
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9,59.313,rs2297106,-0.106
9,59.595,rs10814520,-0.115
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9,59.857,rs13302352,-0.080
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9,59.880,rs2296553,-0.075
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9,76.774,rs17787781,-0.109
9,76.815,rs10116267,-0.114
9,76.921,rs12376992,-0.128
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9,77.003,rs1566977,-0.165
9,77.009,rs1505618,-0.167
9,77.027,rs9695134,-0.174
9,77.078,rs2106804,-0.209
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9,77.202,rs4300072,-0.280

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9,77.652,rs11138141,-0.460
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9,77.778,rs10491794,-0.515
9,77.812,rs11138303,-0.529
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9,77.913,rs10867418,-0.492
9,77.993,rs7858020,-0.474
9,78.001,rs4877153,-0.466
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9,108.640,rs328875,-0.068
9,108.643,rs328880,-0.067
9,108.678,rs10991516,-0.064
9,108.698,rs3005716,-0.061
9,108.700,rs4609251,-0.061

9,108.717,rs7858499,-0.064
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9,108.933,rs957903,-0.080
9,108.982,rs7872832,-0.093
9,109.138,rs10978179,-0.088
9,109.142,rs885954,-0.088
9,109.149,rs583973,-0.072
9,109.156,rs1463983,-0.072
9,109.408,rs17285571,-0.054
9,109.500,rs10978413,-0.048
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9,109.538,rs1516885,-0.045
9,109.652,rs16936272,-0.016
9,109.740,rs10759179,-0.003
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9,109.787,rs13294274,-0.001
9,109.801,rs16925492,-0.001
9,109.877,rs989980,0.000
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9,110.234,rs16925649,0.003
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9,111.718,rs2680208,0.001
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9,111.838,rs1323809,0.004
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9,111.891,rs1538985,0.011
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9,111.919,rs817827,0.015
9,111.952,rs12336348,0.016
9,111.955,rs10739244,0.016
9,111.963,rs947126,0.016
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9,112.037,rs954700,0.013
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9,116.125,rs540171,0.027
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9,116.203,rs693342,0.032
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9,116.451,rs2287005,0.040
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9,116.684,rs16936387,0.025
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10,19.702,rs2387595,0.022
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10,113.614,rs11187533,0.039
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10,119.311,rs1998756,0.018
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10,119.403,rs3853516,0.026
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10,119.802,rs11596018,0.022
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10,120.148,rs603424,0.043
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11,32.947,rs11025333,-0.112
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11,33.400,rs10500866,-0.156
11,33.402,rs10833218,-0.151
11,33.404,rs4757879,-0.131
11,33.410,rs10741808,-0.156
11,33.593,rs2584834,-0.146
11,33.784,rs7125647,-0.159

11,33.883,rs1372796,-0.151
11,33.943,rs1978947,-0.146
11,33.947,rs12785600,-0.127
11,33.979,rs7951443,-0.149
11,33.985,rs6483640,-0.150
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11,34.181,rs2243437,-0.118
11,34.233,rs2246192,-0.141
11,34.239,rs11025397,-0.138
11,34.285,rs831471,-0.100
11,34.289,rs12280260,-0.098
11,34.294,rs1442717,-0.097
11,34.317,rs831460,-0.093
11,34.329,rs831464,-0.092
11,34.372,rs1520910,-0.087
11,34.418,rs11025430,-0.098
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11,34.530,rs10458884,-0.111
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11,34.600,rs1108001,-0.111
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11,35.029,rs11025608,-0.115
11,35.120,rs894747,-0.110
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11,35.153,rs10766703,-0.110
11,35.208,rs7127159,-0.104
11,35.209,rs10466424,-0.103
11,35.222,rs1792971,-0.097
11,35.314,rs10766719,-0.055
11,35.527,rs16906988,-0.056
11,35.591,rs12270126,-0.052
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11,35.724,rs11025878,-0.064
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11,35.754,rs11025886,-0.064
11,35.772,rs16907379,-0.060
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11,36.040,rs10766778,-0.083
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11,65.962,rs7120524,0.026
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12,6.157,rs12229387,-0.186
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12,6.470,rs11062373,-0.166
12,6.484,rs4766000,-0.163
12,6.585,rs1860434,-0.133
12,6.818,rs7138776,-0.132
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12,7.078,rs10848775,-0.142
12,7.231,rs12820322,-0.120
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12,7.471,rs7973427,-0.134
12,7.568,rs10848816,-0.158
12,7.660,rs4765717,-0.182
12,7.808,rs10848823,-0.195
12,7.815,rs3741947,-0.194
12,7.835,rs4766076,-0.188
12,7.921,rs3782803,-0.203
12,7.957,rs645722,-0.202
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12,8.467,rs4238009,-0.240
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12,8.826,rs7305595,-0.240
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12,9.275,rs7972248,-0.223
12,9.289,rs758612,-0.221
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12,9.827,rs4766144,-0.092
12,9.839,rs4766146,-0.091
12,9.975,rs4766152,-0.077
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12,10.480,rs2013195,-0.069
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12,19.888,rs7311672,-0.173
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12,20.301,rs4883422,-0.179
12,20.435,rs2290241,-0.195
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12,22.971,rs4294628,-0.055
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12,24.302,rs1597097,0.001
12,24.303,rs7313141,0.001
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12,24.893,rs10505755,0.034
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12,25.205,rs2607900,0.023
12,25.212,rs4763206,0.023
12,25.218,rs9988929,0.024
12,25.283,rs10845203,0.033
12,25.311,rs753202,0.034
12,25.317,rs17809949,0.034
12,25.317,rs797178,0.034
12,25.328,rs7316817,0.034
12,25.438,rs1015443,0.029
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12,25.760,rs2059764,0.059
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13,6.338,rs11843734,0.028
13,6.381,rs7991284,0.029
13,6.387,rs4770115,0.021
13,6.388,rs9552360,0.028
13,6.518,rs9316157,0.012
13,6.520,rs7331685,0.012
13,6.601,rs9506634,0.016
13,6.669,rs2152244,0.008
13,6.895,rs12853474,0.015
13,6.900,rs17356983,0.015
13,6.982,rs9580094,0.006
13,7.455,rs2488803,0.010
13,7.525,rs1323890,0.002
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13,7.966,rs17072214,-0.000
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13,8.525,rs4457852,0.055

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13,11.775,rs4770433,0.026
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13,16.565,rs9581282,-0.142
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13,16.602,rs9578831,-0.119
13,16.709,rs17082070,-0.114
13,16.750,rs12871898,-0.111
13,16.866,rs7991984,-0.087
13,16.875,rs11841180,-0.068
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13,17.228,rs1535564,-0.131
13,17.245,rs10492428,-0.133
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13,39.781,rs7332871,-0.014
13,39.807,rs1924304,-0.020
13,39.869,rs2991010,-0.019
13,39.921,rs9603254,-0.017
13,39.944,rs11147670,-0.017
13,39.974,rs9576354,-0.018
13,40.040,rs612701,-0.023
13,40.092,rs4144140,-0.022
13,40.191,rs1337604,-0.025
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13,40.412,rs9548183,-0.008
13,40.537,rs612572,-0.009
13,40.545,rs683479,-0.009
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13,40.726,rs607574,-0.057
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13,41.164,rs2122211,-0.038
13,41.183,rs990909,-0.041
13,41.221,rs9603418,-0.045
13,41.226,rs2442361,-0.049
13,41.239,rs9566362,-0.057
13,41.244,rs7335905,-0.059
13,41.252,rs9594293,-0.067
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13,42.315,rs9576762,-0.114
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13,43.330,rs2701853,-0.313
13,43.343,rs2246612,-0.306
13,43.376,rs2721052,-0.278
13,43.406,rs2755209,-0.250
13,43.465,rs17630266,-0.232
13,43.653,rs2282022,-0.178
13,43.667,rs7335572,-0.175
13,43.715,rs4941999,-0.167
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13,44.133,rs9532758,-0.149
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13,44.916,rs12585194,-0.131
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13,45.414,rs9533031,-0.157
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13,47.495,rs9533399,-0.233
13,47.501,rs2589307,-0.233
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13,53.623,rs3809325,-0.452
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13,56.069,rs3803261,-0.509
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13,69.916,rs6562747,-0.175
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13,69.949,rs7998062,-0.154
13,69.955,rs9543307,-0.157
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13,70.007,rs9543325,-0.135
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13,70.546,rs7992690,-0.123
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13,70.602,rs9600160,-0.117

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13,70.719,rs9573305,-0.160
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13,70.783,rs9565053,-0.188
13,70.795,rs9530253,-0.188
13,70.796,rs9600179,-0.189
13,70.831,rs17061643,-0.160
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13,104.510,rs9558241,-0.021
13,104.517,rs713607,-0.026
13,104.525,rs4772604,-0.032
13,104.564,rs907729,-0.034
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13,105.371,rs7323636,-0.037
13,105.472,rs9300917,-0.036
13,105.546,rs9519308,-0.036
13,105.840,rs9586513,-0.026
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13,106.148,rs11841281,-0.019
13,106.250,rs2391128,-0.018
13,106.389,rs9555079,-0.016
13,106.642,rs11838415,-0.013
13,106.647,rs798880,-0.013
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13,106.739,rs11841526,-0.017
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13,106.937,rs7331363,-0.007
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13,107.215,rs7320588,-0.001
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13,108.010,rs3015359,0.032
13,108.067,rs12430622,0.031
13,108.082,rs4771493,0.031
13,108.139,rs7981764,0.031
13,108.181,rs1324750,0.038
13,108.197,rs12859775,0.041
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13,108.211,rs732442,0.046
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13,108.979,rs10508164,0.020
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13,110.587,rs9555233,0.106
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13,111.623,rs2169659,0.126
13,111.776,rs4771529,0.109
13,111.955,rs4238247,0.092
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13,112.114,rs2391298,0.085
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13,112.346,rs9520092,0.097
13,112.381,rs2391340,0.095
13,112.415,rs8000078,0.096
13,112.751,rs2391345,0.116
13,112.882,rs9520124,0.110
13,112.897,rs2391352,0.106
13,112.953,rs7992345,0.101
13,112.963,rs9520129,0.100
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13,113.156,rs6492031,0.059
13,113.197,rs8002967,0.056
13,113.309,rs9587240,0.043
13,113.398,rs1485626,0.038
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13,113.480,rs12429879,0.028
13,113.591,rs7333889,0.020
13,113.624,rs9301178,0.018
13,113.644,rs4509878,0.017
13,113.852,rs2806508,0.027
13,113.864,rs2806510,0.028
13,113.892,rs2769917,0.030
13,113.909,rs2806518,0.030
13,113.919,rs2182958,0.029
13,113.947,rs2769924,0.030
13,113.951,rs10508183,0.030
13,113.974,rs4771555,0.031
13,114.008,rs9514629,0.038
13,114.055,rs7993272,0.066
13,114.056,rs16952130,0.066
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13,114.390,rs7320409,0.100
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13,114.476,rs10492715,0.074
13,114.528,rs977719,0.066
13,114.550,rs16970558,0.065
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13,115.100,rs9520594,0.008
13,115.109,rs7988858,0.007
13,115.144,rs816995,0.007
13,115.161,rs1771138,0.007
13,115.234,rs7322238,0.005
13,115.432,rs12871532,0.005
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13,115.466,rs16971732,0.003
13,115.473,rs9559215,0.003
13,115.493,rs9587495,0.002
13,115.503,rs4325412,0.004
13,115.543,rs16971810,0.019
13,115.546,rs12874612,0.020
13,115.603,rs7987249,0.031
13,115.637,rs9520800,0.036
13,115.697,rs16972078,0.054
13,115.701,rs8002852,0.054
13,115.725,rs9514823,0.036
13,115.780,rs1805388,0.028
13,115.867,rs2582869,0.035
13,115.909,rs1224141,0.029
13,116.006,rs766106,0.024
13,116.028,rs11069734,0.025
13,116.037,rs9559307,0.025
13,116.185,rs4772971,0.022
13,116.226,rs16972513,0.021
13,116.232,rs1951896,0.021
13,116.307,rs2391644,0.018
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13,116.636,rs12858695,0.008
13,116.736,rs7321197,0.005
13,116.927,rs9583277,0.000
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13,123.066,rs3858825,0.046
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14,19.225,rs7149564,-0.078
14,19.293,rs222674,-0.071
14,19.294,rs12894083,-0.071
14,19.317,rs3783439,-0.096
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14,19.387,rs222717,-0.092
14,19.408,rs17199254,-0.114
14,19.410,rs17199261,-0.115
14,19.454,rs2118499,-0.159
14,19.482,rs12890058,-0.179
14,19.516,rs9323367,-0.184
14,19.533,rs10483282,-0.243
14,19.576,rs10139382,-0.233
14,19.582,rs7142855,-0.231
14,19.665,rs12887581,-0.236
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14,19.765,rs10146906,-0.243
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14,19.778,rs3561,-0.243
14,19.819,rs973639,-0.243
14,19.972,rs2295322,-0.230
14,20.049,rs2748516,-0.203
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14,20.226,rs3742517,-0.152
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14,20.286,rs3814811,-0.117
14,20.287,rs13841,-0.134
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14,20.607,rs8192920,-0.059
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14,21.644,rs7147583,-0.018
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14,32.451,rs2236532,-0.256
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14,36.874,rs1111533,-0.389
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14,37.256,rs1303470,-0.438
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14,49.913,rs11627579,-0.218
14,49.918,rs11626565,-0.203
14,49.919,rs2357112,-0.173
14,49.919,rs17588609,-0.176
14,49.919,rs10484085,-0.198
14,49.929,rs6572783,-0.205
14,49.943,rs7153066,-0.222
14,49.950,rs11157849,-0.250
14,49.957,rs1014158,-0.301
14,49.965,rs2993998,-0.301
14,49.975,rs11157866,-0.312
14,49.976,rs4898725,-0.312
14,49.977,rs1693198,-0.312
14,49.980,rs1253698,-0.314
14,49.986,rs1253660,-0.316
14,50.059,rs1151579,-0.338
14,50.146,rs2645737,-0.317
14,50.255,rs941630,-0.304
14,50.351,rs4901201,-0.301
14,50.472,rs8019150,-0.272
14,50.481,rs11851721,-0.270
14,50.567,rs802994,-0.284
14,50.606,rs803002,-0.291
14,50.742,rs7161576,-0.281
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14,50.906,rs2145957,-0.251
14,50.962,rs10144981,-0.248
14,51.018,rs10483614,-0.248
14,51.098,rs8004624,-0.233
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14,51.627,rs12897244,-0.270
14,51.632,rs2150541,-0.267
14,52.175,rs2161944,-0.309
14,52.282,rs17126349,-0.314
14,52.376,rs17126432,-0.318
14,52.404,rs1959839,-0.322
14,52.476,rs11622595,-0.329
14,52.737,rs4901431,-0.344
14,52.739,rs17093060,-0.343
14,52.806,rs2245007,-0.327
14,52.975,rs1380131,-0.351
14,53.049,rs8020341,-0.369
14,53.092,rs210321,-0.383
14,53.251,rs210343,-0.337
14,53.453,rs8017615,-0.323
14,53.489,rs2150279,-0.302
14,53.500,rs17126953,-0.291
14,53.534,rs4898812,-0.263
14,53.673,rs4901458,-0.283
14,53.819,rs8018146,-0.308
14,53.837,rs11625439,-0.315
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14,54.845,rs2181050,-0.283
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14,59.866,rs2223934,-0.073
14,59.898,rs178488,-0.078
14,59.975,rs3829765,-0.092
14,59.976,rs12100853,-0.092
14,59.993,rs17094383,-0.091
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14,60.348,rs7154819,-0.115
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14,60.406,rs10138713,-0.118
14,60.417,rs1957982,-0.119
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14,60.702,rs8015798,-0.136
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16,17.524,rs1833172,-0.310

16,17.639,rs11640341,-0.314
16,17.791,rs10492841,-0.266
16,17.839,rs2110342,-0.208
16,17.857,rs7201323,-0.255
16,17.857,rs7196961,-0.256
16,17.858,rs12932732,-0.257
16,17.861,rs12935093,-0.262
16,17.881,rs11645845,-0.285
16,17.889,rs8047060,-0.287
16,17.907,rs12934762,-0.293
16,17.907,rs9923210,-0.294
16,17.927,rs7200839,-0.291
16,17.933,rs6500842,-0.298
16,17.954,rs6500848,-0.314
16,17.986,rs2172308,-0.315
16,18.000,rs6500870,-0.319
16,18.041,rs12103087,-0.301
16,18.065,rs12923619,-0.295
16,18.121,rs11864504,-0.272
16,18.139,rs12925428,-0.237
16,18.163,rs11643737,-0.234
16,18.246,rs12709169,-0.232
16,18.308,rs11866781,-0.229
16,18.332,rs1382478,-0.231
16,18.374,rs8046633,-0.240
16,18.423,rs17559799,-0.230
16,18.469,rs12447219,-0.231
16,18.475,rs2127065,-0.232
16,18.510,rs12599645,-0.235
16,18.561,rs10500350,-0.236
16,18.963,rs11639540,-0.243
16,19.197,rs8050740,-0.251
16,19.306,rs17563428,-0.276
16,19.420,rs11647224,-0.302
16,19.453,rs12920363,-0.303
16,19.615,rs2048093,-0.318
16,19.701,rs7196597,-0.336
16,19.749,rs1507031,-0.344
16,19.830,rs17144160,-0.333
16,19.863,rs6500988,-0.327
16,20.033,rs3785229,-0.315
16,20.106,rs7198717,-0.313
16,20.148,rs6501005,-0.287
16,20.171,rs3785222,-0.294
16,20.205,rs740676,-0.304
16,20.224,rs3785215,-0.302
16,20.299,rs2058186,-0.296
16,20.325,rs8061577,-0.301
16,20.392,rs8056138,-0.274
16,20.406,rs881562,-0.275
16,20.470,rs984606,-0.298
16,20.493,rs1014124,-0.302
16,20.630,rs12447438,-0.323
16,20.878,rs11077231,-0.333
16,21.047,rs4608356,-0.335
16,21.229,rs8044765,-0.373
16,21.250,rs4464062,-0.376
16,21.338,rs8054510,-0.337
16,21.595,rs4787108,-0.340
16,21.752,rs7193708,-0.437
16,21.772,rs3112655,-0.449

16,21.782,rs6501060,-0.450
16,22.220,rs9923791,-0.433
16,22.347,rs1451595,-0.431
16,22.405,rs12596707,-0.425
16,22.669,rs4346186,-0.425
16,22.701,rs8057314,-0.373
16,22.750,rs1868970,-0.364
16,22.785,rs17145648,-0.379
16,22.822,rs1015990,-0.375
16,22.862,rs8053368,-0.361
16,23.112,rs7500432,-0.390
16,23.148,rs9934899,-0.332
16,23.149,rs4488430,-0.332
16,23.168,rs764681,-0.324
16,23.185,rs2361075,-0.321
16,23.234,rs8063560,-0.304
16,23.247,rs9933436,-0.299
16,23.254,rs12929740,-0.298
16,23.280,rs11860880,-0.295
16,23.340,rs4354918,-0.311
16,23.387,rs7187729,-0.342
16,23.496,rs2312949,-0.346
16,23.588,rs4985110,-0.336
16,23.610,rs12921061,-0.299
16,23.617,rs11646372,-0.297
16,23.667,rs2313427,-0.287
16,23.681,rs1731083,-0.285
16,23.697,rs1641003,-0.283
16,23.705,rs1731017,-0.316
16,23.745,rs9937726,-0.299
16,23.751,rs12930556,-0.297
16,23.791,rs3785176,-0.278
16,23.809,rs8057024,-0.266
16,24.049,rs12923049,-0.306
16,24.083,rs4438302,-0.285
16,24.109,rs899258,-0.321
16,24.126,rs12598117,-0.342
16,24.159,rs7184991,-0.371
16,24.251,rs7186634,-0.395
16,24.274,rs9926522,-0.388
16,24.368,rs2965831,-0.364
16,24.379,rs4781512,-0.362
16,24.379,rs2941333,-0.362
16,24.496,rs4780910,-0.314
16,24.549,rs631208,-0.313
16,24.570,rs837346,-0.316
16,24.657,rs837356,-0.314
16,24.661,rs12598159,-0.314
16,24.701,rs9928435,-0.328
16,24.726,rs249276,-0.333
16,24.770,rs1428798,-0.349
16,24.849,rs10492846,-0.300
16,24.908,rs1074042,-0.284
16,24.910,rs9921476,-0.284
16,24.911,rs2080273,-0.283
16,24.938,rs722008,-0.282
16,24.943,rs12445475,-0.281
16,24.950,rs11074352,-0.282
16,24.961,rs316374,-0.283
16,24.967,rs16966016,-0.284
16,24.971,rs7186415,-0.314

16,24.983,rs11866237,-0.298
16,24.996,rs1972578,-0.282
16,24.998,rs8055473,-0.282
16,25.003,rs11639516,-0.256
16,25.103,rs1548808,-0.269
16,25.162,rs884918,-0.289
16,25.168,rs6497599,-0.291
16,25.464,rs1078695,-0.373
16,25.508,rs1448254,-0.374
16,25.836,rs1070502,-0.387
16,26.122,rs9938544,-0.403
16,26.273,rs7201055,-0.402
16,26.316,rs13332694,-0.386
16,26.426,rs1065832,-0.304
16,26.501,rs194332,-0.360
16,26.521,rs12449282,-0.373
16,26.757,rs1234923,-0.389
16,26.931,rs10153114,-0.421
16,27.040,rs11859719,-0.439
16,27.049,rs12443943,-0.439
16,27.588,rs1970817,-0.410
16,27.616,rs12597384,-0.405
16,27.616,rs16957347,-0.405
16,27.690,rs3790126,-0.411
16,27.704,rs6498070,-0.403
16,27.735,rs8047864,-0.357
16,27.741,rs1104833,-0.341
16,27.773,rs7190235,-0.260
16,27.829,rs1111493,-0.224
16,27.851,rs4780959,-0.216
16,27.918,rs6498098,-0.207
16,28.017,rs2719726,-0.201
16,28.091,rs4780986,-0.189
16,28.126,rs2541467,-0.167
16,28.167,rs1641788,-0.138
16,28.172,rs8055253,-0.135
16,28.188,rs9939578,-0.124
16,28.197,rs9937956,-0.110
16,28.200,rs8048199,-0.104
16,28.210,rs10431909,-0.093
16,28.236,rs4781016,-0.071
16,28.250,rs4072865,-0.090
16,28.351,rs2041733,-0.086
16,28.434,rs794433,-0.103
16,28.460,rs705904,-0.100
16,28.529,rs243324,-0.103
16,28.584,rs7206320,-0.102
16,28.692,rs8056559,-0.087
16,28.702,rs12448800,-0.082
16,28.709,rs4076823,-0.067
16,28.729,rs4781083,-0.059
16,28.736,rs8061112,-0.049
16,28.739,rs8047291,-0.047
16,28.745,rs11074982,-0.059
16,28.762,rs4781091,-0.058
16,28.796,rs12929140,-0.056
16,28.851,rs4781110,-0.053
16,28.877,rs8052942,-0.056
16,28.887,rs6498215,-0.057
16,28.895,rs11646835,-0.052
16,28.910,rs12918743,-0.031

16,28.915,rs7204801,-0.031
16,28.948,rs3743582,-0.032
16,28.989,rs1345442,-0.040
16,29.019,rs753988,-0.043
16,29.094,rs9927281,-0.049
16,29.095,rs2868980,-0.049
16,29.120,rs1050049,-0.050
16,29.175,rs1592572,-0.052
16,29.261,rs10492854,-0.046
16,29.284,rs8061475,-0.046
16,29.382,rs154148,-0.043
16,29.458,rs464017,-0.037
16,29.510,rs7185307,-0.032
16,29.581,rs16959252,-0.012
16,29.603,rs11861545,-0.008
16,29.659,rs7186239,-0.004
16,29.755,rs1035579,-0.000
16,29.842,rs7206244,-0.000
16,29.954,rs13336229,-0.000
16,29.964,rs16959796,-0.000
16,29.965,rs1641831,-0.000
16,29.972,rs4781243,0.000
16,30.018,rs1641894,-0.000
16,30.119,rs10852352,0.000
16,30.123,rs755685,0.000
16,30.217,rs17226949,0.000
16,30.221,rs890883,0.000
16,30.297,rs1612572,0.000
16,30.302,rs10468253,0.001
16,30.316,rs2059819,0.002
16,30.348,rs8056212,0.002
16,30.385,rs755214,0.003
16,30.389,rs1622135,0.003
16,30.422,rs1627143,0.004
16,30.576,rs2865625,0.013
16,30.645,rs16960659,0.018
16,30.648,rs4513082,0.018
16,30.724,rs16960741,0.018
16,30.789,rs7201919,0.016
16,30.821,rs4238618,0.015
16,30.909,rs8060233,0.009
16,31.256,rs2173865,0.000
16,31.281,rs4780494,0.001
16,31.330,rs11859818,0.000
16,31.362,rs276625,0.000
16,31.492,rs401326,-0.000
16,31.506,rs4553616,-0.000
16,31.549,rs1123220,-0.001
16,31.663,rs153098,0.000
16,31.764,rs436812,0.001
16,31.791,rs204034,0.001
16,31.791,rs16961456,0.001
16,31.810,rs11647787,0.001
16,31.852,rs4780514,0.001
16,31.865,rs8058023,0.001
16,32.059,rs16961712,0.004
16,32.220,rs734826,0.007
16,32.364,rs11642207,0.007
16,32.567,rs11864841,0.001
16,32.602,rs1894380,0.001
16,32.615,rs8056716,0.000

16,32.633,rs1547402,-0.000
16,32.729,rs12102475,-0.001
16,32.768,rs7184684,-0.001
16,33.044,rs179596,-0.000
16,33.199,rs11861769,-0.002
16,33.258,rs1034392,-0.005
16,33.276,rs16962919,-0.006
16,33.323,rs16962967,-0.006
16,33.379,rs1029290,-0.006
16,33.420,rs11865632,-0.003
16,33.479,rs8054265,-0.000
16,33.612,rs3136166,-0.001
16,33.848,rs1794236,-0.001
16,33.872,rs12599691,-0.003
16,34.421,rs7194165,-0.002
16,34.448,rs9889180,-0.001
16,34.471,rs8051081,-0.001
16,34.476,rs878340,-0.000
16,34.521,rs7499658,-0.000
16,34.561,rs17198566,0.001
16,34.562,rs12599053,0.002
16,34.564,rs16963706,0.016
16,34.564,rs11075236,0.017
16,34.572,rs1000174,0.023
16,34.673,rs4782165,0.020
16,34.873,rs4780754,0.018
16,35.930,rs222130,0.020
16,36.166,rs12449163,0.023
16,36.872,rs13333250,0.033
16,36.971,rs11649527,0.036
16,37.061,rs4074171,0.025
16,37.065,rs8051794,0.025
16,37.107,rs4496122,0.020
16,37.202,rs12918362,0.010
16,37.360,rs6498657,0.001
16,37.433,rs8061749,0.000
16,37.683,rs12933150,0.000
16,37.689,rs4782029,0.000
16,37.690,rs9940419,0.001
16,37.770,rs7206558,0.001
16,37.824,rs7202731,-0.000
16,37.835,rs17210682,-0.000
16,37.841,rs7193856,-0.000
16,37.871,rs722074,0.000
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16,37.984,rs12598653,0.001
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16,38.221,rs4255769,0.014
16,38.276,rs11075365,0.007
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16,38.458,rs11075375,0.003
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16,38.908,rs2158231,0.024

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16,39.129,rs1428097,0.034
16,39.209,rs8046090,0.007
16,40.203,rs9934555,0.028
16,40.208,rs4432257,0.028
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16,40.918,rs4536454,0.044
16,40.991,rs3743955,0.044
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16,41.133,rs1017316,0.030
16,41.235,rs8060055,0.015
16,41.289,rs16971672,0.003
16,41.373,rs12929451,0.001
16,41.405,rs229007,-0.000
16,41.492,rs12925834,-0.004
16,41.536,rs2352983,-0.010
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16,41.540,rs2269790,-0.015
16,41.573,rs3785351,-0.012
16,41.685,rs2269793,-0.007
16,41.812,rs1023442,-0.000
16,41.820,rs2097266,-0.000
16,41.829,rs7194009,0.000
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16,52.879,rs723875,0.557
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16,53.049,rs9806952,0.419
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16,53.292,rs11860481,0.318
16,53.334,rs11641709,0.341
16,53.383,rs11823,0.318
16,53.389,rs11074843,0.294
16,53.392,rs4787915,0.315
16,53.412,rs10521142,0.316
16,53.434,rs12925084,0.318
16,53.444,rs2347935,0.344
16,53.445,rs17720179,0.341
16,53.448,rs4427807,0.341
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16,53.488,rs4414501,0.326
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16,53.605,rs7184872,0.328
16,53.626,rs11648096,0.318
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16,53.790,rs16976984,0.350
16,53.792,rs772859,0.349
16,53.809,rs1645333,0.396
16,53.811,rs1363749,0.401
16,53.826,rs11646943,0.398
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16,53.861,rs705917,0.337
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16,54.085,rs12596562,0.199
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16,54.170,rs12444319,0.181
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16,56.812,rs3925075,0.011
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16,62.177,rs1362622,0.032
16,62.343,rs11076508,0.027
16,62.456,rs4785367,0.045
16,62.567,rs7204868,0.030
16,62.642,rs1861648,0.032
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16,62.889,rs4268746,0.034
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16,62.935,rs9936021,0.044
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16,63.104,rs4785426,0.036
16,63.134,rs8044151,0.035
16,63.239,rs7204135,0.036
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16,64.237,rs6500361,0.015
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16,64.269,rs2160485,0.014
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16,64.394,rs7195127,0.016
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16,66.338,rs1564983,-0.033
16,66.407,rs4545813,-0.030
16,66.457,rs11076194,-0.032
16,66.474,rs4784818,-0.032
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16,66.639,rs9933684,-0.039
16,66.671,rs185266,-0.043

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16,66.792,rs9936886,-0.046
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16,66.963,rs1641354,-0.041
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16,67.188,rs7196579,-0.030
16,67.287,rs187680,-0.031
16,67.316,rs12921005,-0.031
16,67.317,rs12920598,-0.032
16,67.324,rs1345389,-0.041
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16,67.427,rs1076479,-0.016
16,67.444,rs187679,-0.021
16,67.509,rs1420533,-0.007
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16,68.366,rs11649145,-0.045
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16,70.700,rs7188162,0.025
16,70.706,rs2665274,0.025
16,70.719,rs7199185,0.015
16,70.754,rs2665272,0.010
16,70.758,rs17236708,0.011
16,70.818,rs8053279,0.010
16,70.974,rs1013170,0.013
16,70.993,rs1033046,0.014
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16,71.082,rs8060235,0.022
16,71.106,rs2302805,0.026
16,71.176,rs1868689,0.021
16,71.184,rs8057997,0.023
16,71.212,rs1530787,0.030
16,71.219,rs12930159,0.040

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16,71.296,rs4784375,0.025
16,71.307,rs7206352,0.024
16,71.325,rs4784376,0.021
16,71.390,rs4784379,0.008
16,71.426,rs12447268,0.004
16,71.443,rs4784391,0.003
16,71.453,rs12925931,0.003
16,71.455,rs17259245,0.004
16,71.456,rs12931565,0.004
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16,71.536,rs8063474,0.016
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16,72.879,rs243834,-0.061
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17,29.350,rs7211216,-0.553
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17,29.503,rs8066598,-0.640
17,29.520,rs4128644,-0.651
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17,30.584,rs2007027,-0.644
17,30.633,rs3744566,-0.653
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17,30.945,rs2662959,-0.592
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17,31.216,rs10852926,-0.485
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17,111.560,rs4793360,-0.045
17,111.575,rs12451845,-0.045
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17,112.900,rs2430549,-0.013
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17,113.847,rs4506975,0.308

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17,113.907,rs8076418,0.323
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17,113.948,rs2452919,0.316
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17,113.996,rs17781029,0.256
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17,114.089,rs9916389,0.116
17,114.095,rs8081534,0.164
17,114.122,rs2131606,0.220
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17,114.132,rs7222812,0.224
17,114.137,rs8081059,0.222
17,114.153,rs4969058,0.218
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17,114.189,rs12938854,0.250
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17,118.524,rs1044433,0.017
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17,119.429,rs4789145,0.006
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17,126.598,rs2083774,0.026
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17,126.766,rs1318555,0.018
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17,127.079,rs501316,0.005
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17,137.016,rs8359,0.042
17,137.143,rs9914610,0.037
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17,137.427,rs7209040,0.016
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18,8.530,rs678156,0.001
18,8.626,rs4798055,0.001
18,8.770,rs4414562,0.002
18,8.901,rs2230164,0.005
18,8.949,rs8098020,0.005
18,9.023,rs7506674,0.007
18,9.039,rs6506070,0.006

18,9.094,rs9951849,0.005
18,9.116,rs10853291,0.005
18,9.152,rs11872867,0.005
18,9.164,rs4340411,0.006
18,9.211,rs7227251,0.004
18,9.245,rs717183,0.001
18,9.277,rs2034069,0.001
18,9.359,rs12961250,0.002
18,9.377,rs1662304,0.002
18,9.386,rs1662807,0.001
18,9.450,rs8092567,-0.001
18,9.473,rs2028636,-0.002
18,9.494,rs4798089,-0.002
18,9.496,rs9954608,-0.002
18,9.546,rs12457997,-0.001
18,9.567,rs1020301,-0.000
18,9.606,rs238135,-0.000
18,9.611,rs238533,-0.000
18,9.624,rs7229123,0.000
18,9.682,rs238120,0.000
18,9.690,rs11664141,0.000
18,9.692,rs10513868,0.000
18,9.693,rs238113,0.000
18,9.715,rs3786455,0.002
18,9.733,rs510668,0.005
18,9.735,rs477347,0.005
18,9.749,rs16945001,0.005
18,9.939,rs7232859,0.010
18,9.982,rs16945066,0.011
18,10.071,rs3888225,0.008
18,10.125,rs1787846,0.006
18,10.149,rs3866988,0.006
18,10.156,rs17725070,0.011
18,10.170,rs16945135,0.010
18,10.212,rs2290871,0.007
18,10.267,rs7230740,0.005
18,10.468,rs414273,0.006
18,10.504,rs8097308,0.006
18,10.651,rs4798110,0.008
18,10.690,rs7235163,0.006
18,10.771,rs11873533,0.007
18,10.796,rs3786446,0.009
18,10.797,rs11659558,0.009
18,10.892,rs3959690,0.011
18,10.979,rs8096244,0.012
18,10.992,rs4798131,0.012
18,11.157,rs9961715,0.013
18,11.273,rs3915772,0.013
18,11.338,rs7244051,0.014
18,11.360,rs9963685,0.016
18,11.443,rs4798141,0.024
18,11.561,rs1442366,0.037
18,11.575,rs4798147,0.039
18,11.713,rs1465947,0.046
18,11.741,rs11664384,0.045
18,11.791,rs9966360,0.042
18,11.800,rs7228506,0.043
18,11.877,rs1372631,0.067
18,11.939,rs2872873,0.074
18,11.963,rs1442373,0.058
18,11.969,rs1442378,0.057

18,12.051,rs11661443,0.058
18,12.251,rs1040277,0.050
18,12.416,rs1607970,0.042
18,12.426,rs7239719,0.038
18,12.558,rs12455349,0.012
18,12.566,rs628229,0.012
18,12.901,rs4550556,0.011
18,12.961,rs4624288,0.002
18,12.980,rs9967269,0.013
18,13.087,rs8085726,0.024
18,13.197,rs12963270,0.028
18,13.223,rs12968150,0.026
18,13.405,rs11081119,0.027
18,13.411,rs280976,0.027
18,13.481,rs1979943,0.027
18,13.649,rs4798233,0.024
18,13.720,rs1701506,0.020
18,13.804,rs8098335,0.012
18,13.885,rs7231700,0.009
18,14.038,rs2847108,0.014
18,14.057,rs8096913,0.015
18,14.199,rs1658191,0.011
18,14.214,rs2186884,0.011
18,14.317,rs9954107,0.008
18,14.606,rs8096374,0.000
18,14.634,rs8096497,-0.000
18,14.637,rs11081148,0.002
18,14.720,rs6506251,0.007
18,14.779,rs10438879,0.008
18,15.086,rs4798261,0.011
18,15.258,rs1587543,0.018
18,15.286,rs1466882,0.018
18,15.316,rs8085931,0.020
18,15.616,rs188357,0.047
18,15.623,rs4455065,0.048
18,15.697,rs292367,0.064
18,15.835,rs12964135,0.067
18,15.864,rs599322,0.068
18,15.892,rs9961211,0.066
18,15.900,rs397175,0.065
18,16.011,rs11875045,0.067
18,16.157,rs7244505,0.057
18,16.496,rs1109434,0.061
18,16.515,rs12953610,0.059
18,16.586,rs629258,0.058
18,16.674,rs603313,0.066
18,16.714,rs11665528,0.072
18,16.794,rs11081186,0.053
18,16.811,rs4798341,0.048
18,16.822,rs7236529,0.062
18,16.838,rs4387679,0.062
18,16.865,rs17466502,0.069
18,16.877,rs7237323,0.073
18,16.893,rs12458297,0.079
18,16.900,rs10775435,0.080
18,16.916,rs9965051,0.088
18,16.982,rs8091944,0.087
18,16.985,rs8090286,0.086
18,16.993,rs12458743,0.088
18,17.035,rs1785382,0.101
18,17.171,rs11660230,0.088

18,17.205,rs1940995,0.104
18,17.274,rs4797219,0.105
18,17.300,rs8090662,0.106
18,17.453,rs9635816,0.111
18,17.526,rs4798405,0.112
18,17.561,rs1917917,0.113
18,17.690,rs11877277,0.104
18,17.843,rs8093690,0.153
18,17.969,rs6506343,0.179
18,18.111,rs9948128,0.155
18,18.219,rs11876129,0.157
18,18.338,rs724676,0.153
18,18.370,rs635546,0.138
18,18.379,rs736632,0.142
18,18.425,rs571298,0.122
18,18.436,rs948229,0.113
18,18.438,rs549827,0.112
18,18.460,rs11661271,0.130
18,18.481,rs4644934,0.102
18,18.518,rs7239905,0.097
18,18.606,rs4798428,0.083
18,18.619,rs12457334,0.084
18,18.703,rs607840,0.099
18,18.768,rs1785234,0.108
18,19.231,rs7228441,0.086
18,19.776,rs408299,0.057
18,19.788,rs636589,0.057
18,20.320,rs341201,0.043
18,20.512,rs882838,0.046
18,20.550,rs1426333,0.046
18,20.752,rs9963268,0.052
18,20.799,rs12458804,0.114
18,20.893,rs4798452,0.111
18,20.918,rs12967361,0.107
18,21.062,rs1941500,0.098
18,21.142,rs8096595,0.086
18,21.257,rs12326052,0.061
18,21.328,rs1941491,0.053
18,21.368,rs12607650,0.043
18,21.433,rs1941509,0.032
18,21.460,rs11663318,0.024
18,21.600,rs1941492,0.017
18,21.604,rs9947929,0.017
18,21.905,rs7506974,0.016
18,22.083,rs9965330,0.025
18,22.437,rs1431385,0.051
18,22.437,rs8095228,0.051
18,22.604,rs1241983,0.121
18,22.674,rs1116757,0.134
18,22.921,rs530612,0.143
18,22.958,rs17439137,0.145
18,22.987,rs509497,0.166
18,23.089,rs541770,0.133
18,23.102,rs568176,0.129
18,23.163,rs4239330,0.097
18,23.187,rs693754,0.085
18,23.352,rs600695,0.067
18,23.387,rs648161,0.048
18,23.565,rs16951199,0.037
18,23.587,rs2065551,0.037
18,23.607,rs1466421,0.040

18,23.610,rs10853343,0.066
18,23.633,rs2045781,0.075
18,23.669,rs12955222,0.091
18,23.725,rs984355,0.076
18,23.962,rs450015,0.074
18,23.998,rs406756,0.062
18,24.075,rs7231458,0.056
18,24.094,rs12966305,0.059
18,24.234,rs965992,0.087
18,24.361,rs4797283,0.112
18,24.459,rs883105,0.130
18,24.910,rs4798561,0.245
18,24.954,rs12966566,0.236
18,24.989,rs9962232,0.209
18,25.006,rs16951664,0.202
18,25.369,rs555107,0.177
18,25.371,rs497065,0.178
18,25.413,rs12605481,0.171
18,25.509,rs956551,0.154
18,25.675,rs1941137,0.155
18,25.879,rs8099410,0.123
18,25.904,rs661059,0.104
18,25.905,rs7236946,0.086
18,25.909,rs7236295,0.121
18,26.066,rs607396,0.124
18,26.078,rs1374104,0.122
18,26.303,rs1992373,0.095
18,26.317,rs1443604,0.111
18,26.318,rs16952588,0.111
18,26.462,rs12960805,0.125
18,26.816,rs567595,0.099
18,26.817,rs1468707,0.099
18,26.901,rs1942956,0.091
18,26.923,rs3794959,0.091
18,27.203,rs4399595,0.097
18,27.309,rs7505928,0.101
18,27.320,rs6506569,0.102
18,27.379,rs16953216,0.109
18,27.384,rs10163905,0.108
18,27.469,rs12456630,0.087
18,27.508,rs2005039,0.097
18,27.516,rs686693,0.100
18,27.531,rs8094662,0.100
18,27.640,rs635269,0.071
18,27.684,rs675417,0.086
18,27.731,rs17493589,0.089
18,27.770,rs658069,0.097
18,27.792,rs12964134,0.103
18,27.795,rs4798645,0.103
18,27.864,rs12457756,0.085
18,27.907,rs2156472,0.077
18,27.989,rs11876268,0.111
18,27.994,rs9955691,0.133
18,28.012,rs12455669,0.132
18,28.036,rs17582975,0.131
18,28.058,rs4505407,0.129
18,28.214,rs321663,0.132
18,28.285,rs422303,0.115
18,28.291,rs400839,0.114
18,28.376,rs10502379,0.103
18,28.456,rs1249489,0.087

18,28.466,rs1249488,0.119
18,28.542,rs693405,0.116
18,28.701,rs484913,0.062
18,28.747,rs9807413,0.057
18,28.806,rs656602,0.051
18,28.816,rs16954333,0.051
18,28.826,rs595802,0.050
18,28.854,rs12962546,0.048
18,28.875,rs10502382,0.049
18,28.911,rs690336,0.049
18,28.983,rs7236228,0.044
18,29.049,rs631729,0.038
18,29.173,rs4798720,0.029
18,29.195,rs11663850,0.028
18,29.220,rs12956492,0.026
18,29.310,rs4798736,0.021
18,29.334,rs8095138,0.017
18,29.363,rs4798750,0.015
18,29.462,rs12965084,0.025
18,29.499,rs9951585,0.024
18,30.300,rs2864527,0.007
18,30.335,rs9963940,0.007
18,30.521,rs12455836,0.006
18,30.582,rs7245034,0.006
18,30.723,rs4798812,0.009
18,31.018,rs1813100,0.010
18,31.057,rs10853380,0.010
18,31.165,rs7245068,0.010
18,31.370,rs11872991,0.008
18,31.425,rs7244365,0.009
18,31.506,rs8083190,0.008
18,31.596,rs613536,0.011
18,31.616,rs930841,0.012
18,31.707,rs9963622,0.019
18,31.715,rs7238992,0.020
18,31.756,rs16955490,0.021
18,31.758,rs921835,0.021
18,31.770,rs11659898,0.020
18,31.786,rs4798850,0.016
18,31.811,rs9304044,0.012
18,31.818,rs9951109,0.012
18,31.876,rs9962736,0.022
18,31.934,rs16955629,0.013
18,31.983,rs8082842,0.012
18,32.160,rs9304048,0.021
18,32.166,rs661556,0.021
18,32.289,rs492369,0.019
18,32.420,rs7237794,0.017
18,32.475,rs29063,0.016
18,32.552,rs4239278,0.016
18,32.574,rs29029,0.016
18,32.734,rs610573,0.015
18,32.874,rs1292299,0.012
18,32.931,rs4797398,0.009
18,32.957,rs653360,0.012
18,33.040,rs2868929,0.026
18,33.096,rs627953,0.029
18,33.139,rs9957931,0.033
18,33.141,rs11080389,0.033
18,33.177,rs9949713,0.035
18,33.212,rs8093795,0.033

18,33.234,rs9955237,0.034
18,33.275,rs576084,0.028
18,33.388,rs4797414,0.030
18,33.402,rs12954327,0.020
18,33.625,rs4796877,0.016
18,33.633,rs8098645,0.013
18,33.720,rs206491,0.005
18,33.782,rs169570,0.005
18,33.792,rs11080402,0.006
18,33.820,rs206631,0.011
18,33.833,rs4797430,0.011
18,33.861,rs9949204,0.012
18,33.878,rs206605,0.013
18,33.918,rs9964529,0.014
18,33.993,rs206581,0.021
18,34.083,rs8091927,0.030
18,34.123,rs206519,0.021
18,34.144,rs206504,0.016
18,34.172,rs206503,0.014
18,34.176,rs206501,0.014
18,34.201,rs12955584,0.022
18,34.215,rs9959968,0.023
18,34.248,rs8095782,0.027
18,34.333,rs476792,0.044
18,34.595,rs6505570,0.041
18,34.601,rs16974882,0.041
18,34.603,rs484583,0.041
18,34.628,rs16974966,0.040
18,34.645,rs475411,0.040
18,34.958,rs539632,0.042
18,34.969,rs480802,0.041
18,34.977,rs655111,0.032
18,34.999,rs8095590,0.057
18,35.111,rs4796902,0.045
18,35.254,rs7233628,0.051
18,35.442,rs1918672,0.051
18,35.465,rs1683369,0.056
18,35.555,rs11875480,0.061
18,35.822,rs264272,0.062
18,35.906,rs9952954,0.065
18,36.065,rs2660283,0.059
18,36.172,rs11665509,0.047
18,36.206,rs7235388,0.041
18,36.241,rs2625381,0.038
18,36.285,rs2870108,0.044
18,36.287,rs12455924,0.044
18,36.364,rs8091121,0.039
18,36.388,rs2016302,0.038
18,36.495,rs6505620,0.058
18,36.592,rs4239294,0.061
18,36.614,rs4506977,0.062
18,36.631,rs4629032,0.061
18,36.656,rs1542836,0.062
18,36.779,rs4517857,0.052
18,36.781,rs8097831,0.051
18,36.830,rs4796915,0.035
18,36.853,rs1498201,0.030
18,36.941,rs7230244,0.026
18,37.046,rs987890,0.036
18,37.099,rs7243042,0.037
18,37.163,rs461341,0.036

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18,37.349,rs11080515,0.016
18,37.433,rs1893233,0.016
18,37.794,rs507790,0.008
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18,37.866,rs535529,0.009
18,37.872,rs8099150,0.010
18,37.883,rs1551900,0.011
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18,37.906,rs4541146,0.000
18,37.919,rs12457181,0.000
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18,38.117,rs871044,0.001
18,38.198,rs622863,0.002
18,38.242,rs679246,0.002
18,38.276,rs647077,0.002
18,38.302,rs7244678,0.001
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18,38.953,rs11080567,0.001
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18,39.613,rs2847254,0.001
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18,39.707,rs9959061,-0.000
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18,44.817,rs11663716,-0.001
18,44.841,rs9963336,-0.002
18,44.918,rs10454095,-0.008
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18,49.117,rs1786153,-0.021
18,49.179,rs1668856,-0.023
18,49.194,rs6508340,-0.016
18,49.222,rs11876528,-0.017
18,49.308,rs9960691,-0.015
18,49.373,rs9963409,-0.015
18,49.446,rs6508347,-0.013
18,49.468,rs4129315,-0.012
18,49.488,rs4800205,-0.010
18,49.508,rs8086056,-0.010
18,49.591,rs8084638,-0.008
18,49.637,rs4131293,-0.007
18,49.698,rs4129657,-0.006
18,49.705,rs9947051,-0.006
18,49.821,rs12955466,-0.004
18,49.863,rs4550540,-0.003
18,49.882,rs4800629,-0.002
18,49.907,rs8083609,-0.001
18,49.913,rs12456829,-0.001
18,49.985,rs4800631,0.000
18,49.989,rs11662932,0.000
18,50.049,rs10853653,0.001
18,50.169,rs16941505,0.001
18,50.178,rs6508378,0.001
18,50.328,rs273729,0.001
18,50.448,rs1867745,0.002
18,50.463,rs273773,0.002
18,50.557,rs1840440,0.003
18,50.597,rs873656,0.003
18,50.840,rs12608228,0.002
18,50.843,rs6508395,0.006
18,50.935,rs12232738,0.006
18,50.965,rs6508400,0.005
18,51.038,rs559814,0.006
18,51.101,rs9953448,0.005
18,51.461,rs9959418,0.002
18,51.503,rs3903163,0.000
18,51.527,rs4340399,0.000
18,51.538,rs8083585,-0.000
18,51.600,rs7243826,0.000
18,51.643,rs496344,0.001
18,51.654,rs2848993,0.001
18,51.660,rs11083175,0.002
18,51.674,rs9807159,0.004
18,51.749,rs470268,0.012
18,51.755,rs535796,0.013
18,51.784,rs7233773,0.040
18,51.791,rs11872394,0.041
18,51.831,rs596015,0.049
18,51.835,rs1017414,0.050
18,51.858,rs9951307,0.059
18,51.876,rs151245,0.075
18,51.904,rs1030198,0.096
18,51.932,rs163221,0.099

18,52.014,rs6508463,0.078
18,52.040,rs4399617,0.070
18,52.061,rs10502485,0.078
18,52.062,rs1485817,0.078
18,52.122,rs12956990,0.063
18,52.166,rs9947302,0.057
18,52.229,rs2247559,0.047
18,52.275,rs7243573,0.058
18,52.344,rs1519141,0.054
18,52.422,rs939139,0.055
18,52.449,rs16943693,0.053
18,52.516,rs620844,0.049
18,52.546,rs1008854,0.035
18,52.564,rs7237914,0.033
18,52.618,rs16943915,0.026
18,52.619,rs1420942,0.026
18,52.677,rs8097440,0.026
18,52.873,rs8098920,0.027
18,52.873,rs7232372,0.026
18,52.903,rs9945664,0.028
18,52.956,rs623234,0.019
18,53.038,rs528438,0.015
18,53.054,rs12454164,0.014
18,53.093,rs11564339,0.011
18,53.203,rs9964672,0.012
18,53.260,rs8095086,0.018
18,53.270,rs1464612,0.019
18,53.310,rs11564364,0.024
18,53.334,rs11083282,0.023
18,53.433,rs2155791,0.009
18,53.491,rs11083301,0.005
18,53.664,rs11083322,0.011
18,53.816,rs1515215,0.014
18,53.867,rs983950,0.016
18,53.901,rs8087422,0.013
18,53.961,rs9949320,0.016
18,53.997,rs16946751,0.018
18,54.117,rs7241357,0.027
18,54.204,rs4800925,0.028
18,54.344,rs16947092,0.019
18,54.363,rs1492817,0.017
18,54.454,rs9630799,0.010
18,54.539,rs16947335,0.008
18,54.584,rs12965399,0.007
18,54.616,rs9967020,0.008
18,54.681,rs12608350,0.023
18,54.695,rs16947786,0.023
18,54.718,rs4499314,0.024
18,54.755,rs10502549,0.024
18,54.769,rs1348336,0.024
18,54.778,rs7230529,0.024
18,54.823,rs2542729,0.039
18,54.837,rs2617921,0.043
18,54.933,rs2850267,0.068
18,54.960,rs3910337,0.075
18,55.005,rs10502553,0.087
18,55.015,rs1789041,0.105
18,55.015,rs12185409,0.106
18,55.020,rs1790690,0.110
18,55.022,rs8765,0.110
18,55.032,rs276910,0.123

18,55.050,rs1595350,0.127
18,55.054,rs1126214,0.125
18,55.059,rs1893963,0.128
18,55.063,rs10084050,0.131
18,55.069,rs1612474,0.137
18,55.107,rs11081680,0.194
18,55.114,rs1437606,0.206
18,55.168,rs9952617,0.275
18,55.186,rs8091003,0.251
18,55.194,rs10502568,0.240
18,55.211,rs17802140,0.243
18,55.222,rs6506921,0.245
18,55.236,rs724482,0.269
18,55.248,rs8091481,0.255
18,55.284,rs1791235,0.195
18,55.293,rs9304102,0.186
18,55.346,rs7240561,0.175
18,55.351,rs10775449,0.175
18,55.379,rs4799316,0.204
18,55.400,rs10502578,0.207
18,55.417,rs11873080,0.210
18,55.569,rs9963048,0.238
18,55.593,rs2009538,0.269
18,55.610,rs6506955,0.281
18,55.630,rs11662928,0.297
18,55.683,rs168058,0.331
18,55.737,rs12607965,0.362
18,55.798,rs4799636,0.396
18,55.807,rs7244700,0.400
18,55.839,rs2241891,0.411
18,55.872,rs16962901,0.417
18,55.877,rs660959,0.427
18,55.880,rs4462681,0.427
18,56.238,rs11662813,0.329
18,56.728,rs4630625,0.255
18,56.840,rs8090097,0.252
18,56.972,rs4799358,0.255
18,57.097,rs6650640,0.241
18,57.109,rs9952705,0.240
18,57.128,rs12966991,0.235
18,57.196,rs4799751,0.211
18,57.310,rs1521788,0.226
18,57.349,rs8092794,0.257
18,57.371,rs2509595,0.258
18,57.466,rs8089375,0.265
18,57.576,rs1383290,0.262
18,57.613,rs17668591,0.259
18,57.676,rs2288085,0.260
18,57.688,rs10502637,0.259
18,57.745,rs680798,0.273
18,57.781,rs8086062,0.223
18,57.784,rs355315,0.219
18,57.878,rs3786394,0.183
18,57.960,rs17646987,0.161
18,58.047,rs8095692,0.162
18,58.396,rs3786391,0.170
18,58.429,rs1006388,0.171
18,58.435,rs16967040,0.171
18,59.175,rs1789529,0.128
18,59.197,rs1540043,0.126
18,59.294,rs623053,0.156

18,59.298,rs579596,0.156
18,59.310,rs16967576,0.190
18,59.319,rs2848584,0.182
18,59.358,rs3786276,0.174
18,59.358,rs598246,0.174
18,59.364,rs3786278,0.170
18,59.365,rs12454634,0.170
18,59.374,rs12604338,0.165
18,59.397,rs4799863,0.152
18,59.457,rs16967780,0.109
18,59.481,rs9955084,0.092
18,59.503,rs2000661,0.080
18,59.542,rs1790649,0.066
18,59.590,rs17650811,0.058
18,59.625,rs7236364,0.070
18,59.636,rs7242523,0.088
18,59.645,rs4799421,0.089
18,59.692,rs12956471,0.095
18,59.710,rs8091163,0.090
18,59.711,rs4799869,0.090
18,59.714,rs16967993,0.090
18,59.714,rs12104044,0.089
18,59.725,rs685435,0.089
18,59.843,rs669086,0.112
18,59.944,rs9965261,0.099
18,59.968,rs9948912,0.097
18,59.969,rs1786068,0.097
18,59.975,rs3865390,0.110
18,59.977,rs3889769,0.110
18,59.987,rs1786818,0.101
18,59.989,rs2187048,0.099
18,59.990,rs1954869,0.098
18,59.993,rs1893371,0.091
18,59.994,rs1786802,0.084
18,59.995,rs17750345,0.084
18,59.995,rs1786798,0.084
18,59.999,rs9954961,0.074
18,60.009,rs7233417,0.039
18,60.020,rs1187252,0.020
18,60.036,rs9954636,0.013
18,60.041,rs8093306,0.013
18,60.053,rs8095525,0.015
18,60.087,rs16969659,0.013
18,60.151,rs9946516,0.009
18,60.230,rs7226938,0.008
18,60.309,rs1511934,0.007
18,60.358,rs977952,0.007
18,60.468,rs1196939,0.002
18,60.471,rs1511939,0.002
18,60.505,rs1511937,0.001
18,60.559,rs1944386,0.000
18,60.560,rs11665446,0.000
18,60.588,rs9284421,0.002
18,60.641,rs1365461,0.004
18,60.716,rs1943413,0.005
18,60.761,rs7236042,0.005
18,60.784,rs4476248,0.004
18,60.830,rs10502714,0.004
18,61.161,rs7235733,0.007
18,61.252,rs12964741,0.007
18,61.288,rs2276209,0.008

18,61.309,rs2589035,0.008
18,61.360,rs1613104,0.010
18,61.501,rs1355829,0.005
18,61.536,rs7236890,0.004
18,61.706,rs752216,0.001
18,61.748,rs7236979,0.032
18,61.759,rs4799285,0.033
18,61.981,rs4254390,0.036
18,62.120,rs4132081,0.024
18,62.260,rs10502739,0.013
18,62.368,rs9959057,0.007
18,62.387,rs4890390,0.006
18,62.395,rs10502750,0.006
18,62.400,rs4633807,0.006
18,62.434,rs1941593,0.007
18,62.465,rs11877111,0.008
18,62.626,rs2612332,0.007
18,62.686,rs964274,0.005
18,62.711,rs16975208,0.003
18,62.739,rs2082586,0.003
18,62.764,rs1025443,0.002
18,62.779,rs3898586,0.003
18,62.800,rs1432145,0.000
18,62.810,rs7238810,-0.000
18,63.217,rs482553,-0.000
18,63.220,rs525776,-0.000
18,63.232,rs6507465,-0.000
18,63.241,rs17610383,-0.001
18,63.262,rs11082277,-0.002
18,63.280,rs12605243,-0.004
18,63.282,rs655464,-0.003
18,63.282,rs613691,-0.007
18,63.289,rs1158604,-0.006
18,63.300,rs618236,-0.004
18,63.340,rs8089316,-0.007
18,63.357,rs598839,-0.008
18,63.515,rs7504768,-0.012
18,63.609,rs8096948,-0.007
18,63.636,rs17717437,-0.007
18,64.093,rs1157964,-0.010
18,64.157,rs1527436,-0.009
18,64.195,rs2622796,-0.009
18,64.235,rs8084855,-0.006
18,64.256,rs4144407,-0.008
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18,64.482,rs4145182,-0.018
18,64.623,rs1460521,-0.022
18,64.668,rs1460509,-0.026
18,64.744,rs1841389,-0.027
18,64.924,rs8087931,-0.037
18,65.194,rs1400390,-0.053
18,65.281,rs717139,-0.060
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18,65.780,rs7237741,-0.099
18,65.834,rs2126334,-0.099
18,65.876,rs7238082,-0.099
18,65.922,rs12958322,-0.100
18,65.998,rs11665106,-0.100
18,66.024,rs1004945,-0.100
18,66.103,rs10468972,-0.098
18,66.174,rs616444,-0.097

18,66.216,rs8090594,-0.097
18,66.245,rs9783858,-0.099
18,66.324,rs10502850,-0.087
18,66.348,rs12454061,-0.086
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18,66.366,rs4890506,-0.086
18,66.565,rs7240958,-0.079
18,66.569,rs4890535,-0.079
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18,66.853,rs2255757,-0.047
18,66.864,rs2014869,-0.050
18,66.924,rs8086752,-0.082
18,66.959,rs6507618,-0.083
18,67.049,rs2705388,-0.088
18,67.125,rs10775478,-0.097
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18,67.204,rs1552325,-0.091
18,67.232,rs8088466,-0.108
18,67.253,rs7227456,-0.108
18,67.291,rs16978461,-0.107
18,67.298,rs1893792,-0.107
18,67.298,rs3760578,-0.107
18,67.539,rs3744998,-0.116
18,67.635,rs10048241,-0.107
18,67.683,rs10853539,-0.100
18,67.839,rs9807399,-0.096
18,68.246,rs17758320,-0.083
18,68.342,rs4890637,-0.082
18,68.348,rs754858,-0.082
18,68.406,rs11082521,-0.095
18,68.466,rs2364835,-0.113
18,68.486,rs9962113,-0.102
18,68.499,rs7242055,-0.096
18,68.574,rs3911131,-0.082
18,68.625,rs7232954,-0.093
18,68.785,rs10468983,-0.099
18,68.829,rs1868711,-0.090
18,68.854,rs11661050,-0.085
18,68.856,rs732108,-0.085
18,68.875,rs16978577,-0.096
18,68.909,rs1078174,-0.125
18,68.924,rs12956914,-0.132
18,69.670,rs2010834,-0.088
18,70.048,rs7231801,-0.084
18,70.062,rs1347340,-0.085
18,70.210,rs1893786,-0.083
18,70.217,rs12956050,-0.082
18,70.281,rs2004310,-0.101
18,70.380,rs8090717,-0.130
18,70.407,rs2136619,-0.137
18,70.437,rs17798773,-0.121
18,70.453,rs9635893,-0.116
18,70.468,rs3968537,-0.113
18,70.602,rs9958551,-0.118
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18,70.918,rs4940140,-0.160
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18,71.086,rs4445959,-0.229
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18,71.113,rs4940257,-0.205
18,71.135,rs7230288,-0.164
18,71.174,rs11663191,-0.165
18,71.208,rs1893948,-0.164
18,71.219,rs1124349,-0.143
18,71.239,rs2156650,-0.134
18,71.260,rs8084060,-0.126
18,71.264,rs1113629,-0.122
18,71.306,rs1944586,-0.121
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18,71.419,rs9947735,-0.133
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18,71.511,rs4591213,-0.104
18,71.673,rs12607412,-0.093
18,71.759,rs4939551,-0.091
18,71.796,rs11082688,-0.092
18,71.838,rs8085434,-0.093
18,71.846,rs299734,-0.095
18,71.862,rs6507861,-0.092
18,71.877,rs10502895,-0.096
18,71.910,rs12604748,-0.150
18,71.917,rs4583322,-0.139
18,71.957,rs3764481,-0.129
18,71.964,rs11082704,-0.128
18,71.972,rs11082705,-0.126
18,72.024,rs937021,-0.118
18,72.043,rs7240004,-0.117
18,72.132,rs17186485,-0.111
18,72.140,rs4939827,-0.111
18,72.154,rs7238442,-0.111
18,72.160,rs4939832,-0.111
18,72.175,rs3736242,-0.114
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18,72.264,rs698611,-0.119
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18,77.784,rs1440475,-0.517
18,77.787,rs10515970,-0.516
18,78.336,rs12457157,-0.479
18,78.524,rs784254,-0.500
18,78.839,rs1506633,-0.464
18,78.907,rs2588477,-0.462
18,78.956,rs10048306,-0.465
18,79.092,rs2535726,-0.437
18,79.112,rs2588482,-0.447
18,79.158,rs1789564,-0.445
18,79.195,rs1792746,-0.442
18,79.201,rs1789588,-0.442
18,79.298,rs713242,-0.440
18,79.302,rs917712,-0.440
18,79.332,rs12455011,-0.441
18,79.367,rs2538025,-0.439
18,79.415,rs2010962,-0.435
18,79.692,rs1506647,-0.390
18,79.791,rs625628,-0.373
18,80.108,rs9947297,-0.377
18,80.113,rs4801054,-0.377
18,80.185,rs1421264,-0.372
18,80.346,rs9945880,-0.384
18,80.471,rs1657421,-0.394
18,80.518,rs722092,-0.396
18,80.605,rs4800960,-0.399
18,80.614,rs1942336,-0.400
18,80.667,rs1943387,-0.404
18,80.738,rs990729,-0.408
18,80.770,rs1942965,-0.391
18,80.771,rs2074320,-0.390
18,80.798,rs1234635,-0.375
18,80.836,rs1217562,-0.368
18,80.907,rs4940406,-0.400
18,81.094,rs644016,-0.509
18,81.252,rs515897,-0.474
18,81.266,rs663774,-0.470
18,81.317,rs2269222,-0.468

18,81.361,rs492274,-0.476
18,81.405,rs11356,-0.482
18,81.547,rs17832328,-0.440
18,81.634,rs319448,-0.418
18,81.760,rs17064003,-0.412
18,81.808,rs12961881,-0.408
18,81.844,rs7239484,-0.397
18,81.858,rs2663842,-0.390
18,81.863,rs12960272,-0.388
18,81.889,rs2571225,-0.375
18,81.947,rs2571232,-0.321
18,82.011,rs17692241,-0.305
18,82.025,rs8094024,-0.301
18,82.133,rs4121751,-0.274
18,82.202,rs7240052,-0.291
18,82.215,rs4940582,-0.291
18,82.389,rs12456113,-0.286
18,82.391,rs12968095,-0.317
18,82.474,rs9953073,-0.270
18,82.524,rs4528665,-0.224
18,82.665,rs12967469,-0.126
18,82.693,rs500733,-0.139
18,82.701,rs17064378,-0.139
18,82.703,rs4940643,-0.139
18,82.762,rs549476,-0.144
18,82.763,rs878396,-0.144
18,82.799,rs9957844,-0.148
18,83.010,rs158857,-0.255
18,83.199,rs4941388,-0.226
18,83.225,rs4058287,-0.220
18,83.584,rs4369757,-0.192
18,83.610,rs3744866,-0.189
18,83.668,rs7240339,-0.189
18,83.750,rs12103986,-0.186
18,83.770,rs11152081,-0.179
18,83.806,rs7238217,-0.169
18,83.837,rs11152086,-0.160
18,83.966,rs9944639,-0.157
18,84.003,rs11873676,-0.156
18,84.127,rs9964749,-0.136
18,84.374,rs12454711,-0.093
18,84.534,rs7507051,-0.085
18,84.653,rs11152103,-0.066
18,84.859,rs3826597,-0.050
18,84.947,rs4940787,-0.035
18,84.980,rs7226455,-0.047
18,84.987,rs755719,-0.049
18,85.031,rs1543159,-0.049
18,85.070,rs3744893,-0.035
18,85.081,rs645492,-0.031
18,85.115,rs561894,-0.016
18,85.494,rs4629079,-0.003
18,85.495,rs7241697,-0.002
18,85.498,rs7228727,-0.000
18,85.508,rs585632,-0.006
18,85.582,rs599680,-0.010
18,85.656,rs8096073,-0.016
18,85.686,rs10503029,-0.017
18,85.751,rs3133206,-0.037
18,85.919,rs12606960,-0.030
18,85.923,rs12970058,-0.029

18,85.967,rs1652069,-0.026
18,85.993,rs7244658,-0.024
18,86.003,rs3097407,-0.023
18,86.017,rs1791316,-0.031
18,86.020,rs10163697,-0.031
18,86.074,rs17781327,-0.032
18,86.106,rs1791350,-0.030
18,86.117,rs1788841,-0.026
18,86.154,rs4940906,-0.011
18,86.189,rs8084711,-0.005
18,86.234,rs12456032,-0.012
18,86.258,rs11152187,-0.012
18,86.286,rs7240884,-0.009
18,86.313,rs9319956,-0.004
18,86.368,rs7227333,-0.005
18,86.377,rs8098717,-0.006
18,86.439,rs768456,-0.009
18,86.446,rs7238778,-0.009
18,86.447,rs9958194,-0.009
18,86.519,rs1893512,-0.009
18,86.595,rs9954571,-0.008
18,86.674,rs9946888,-0.008
18,86.787,rs11872992,-0.011
18,86.812,rs8083721,-0.012
18,86.842,rs11661166,-0.013
18,86.868,rs1943242,-0.018
18,86.932,rs585187,-0.015
18,86.968,rs12960864,-0.011
18,86.984,rs11152238,-0.010
18,86.990,rs8088802,-0.010
18,87.044,rs7229783,-0.010
18,87.319,rs12454816,-0.018
18,87.334,rs17067559,-0.019
18,87.374,rs2332079,-0.023
18,87.607,rs154931,-0.037
18,87.624,rs154916,-0.027
18,87.712,rs950408,-0.028
18,87.748,rs8086807,-0.028
18,87.799,rs7231989,-0.018
18,87.807,rs1495805,-0.017
18,87.832,rs1908593,-0.012
18,87.850,rs17068252,-0.009
18,87.862,rs9954337,-0.007
18,87.867,rs10871791,-0.006
18,87.889,rs2159595,-0.002
18,87.907,rs929525,-0.000
18,87.928,rs17748357,-0.000
18,87.962,rs2535357,0.001
18,87.991,rs12964819,0.002
18,87.995,rs1943334,0.003
18,87.997,rs2051346,0.002
18,88.000,rs1943329,0.001
18,88.039,rs7239572,0.001
18,88.061,rs17068541,0.001
18,88.124,rs9962500,0.002
18,88.185,rs17068758,0.002
18,88.281,rs4941050,0.004
18,88.285,rs4490091,0.004
18,88.294,rs2282651,0.004
18,88.296,rs4941051,0.004
18,88.303,rs4941055,0.009

18,88.330,rs9959847,0.016
18,88.407,rs8085961,0.026
18,88.430,rs9807754,0.026
18,88.497,rs7232902,0.029
18,88.531,rs8096507,0.031
18,88.710,rs1788070,0.030
18,88.715,rs17069203,0.031
18,88.796,rs930171,0.034
18,89.085,rs9948708,0.047
18,89.229,rs9951012,0.057
18,89.232,rs1805034,0.057
18,89.262,rs2957128,0.059
18,89.277,rs2957146,0.067
18,89.291,rs8094440,0.080
18,89.311,rs948758,0.092
18,89.319,rs10503071,0.093
18,89.350,rs7238925,0.096
18,89.394,rs17070072,0.099
18,89.397,rs8091832,0.100
18,89.437,rs1052315,0.106
18,89.453,rs2105728,0.099
18,89.459,rs4940563,0.095
18,89.480,rs9946161,0.091
18,89.617,rs595146,0.066
18,89.690,rs541425,0.063
18,89.743,rs17746008,0.063
18,90.085,rs4941171,0.060
18,90.122,rs7242360,0.057
18,90.147,rs9949366,0.056
18,90.239,rs6567313,0.048
18,90.552,rs7230761,0.048
18,90.557,rs4987853,0.056
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18,90.563,rs4456611,0.048
18,90.573,rs17070798,0.076
18,90.574,rs6567328,0.075
18,90.574,rs12454712,0.074
18,90.576,rs1481031,0.071
18,90.586,rs720321,0.092
18,90.594,rs8083946,0.098
18,90.596,rs11872329,0.096
18,90.603,rs3927911,0.088
18,90.608,rs8096471,0.072
18,90.611,rs1381548,0.063
18,90.614,rs2850761,0.061
18,90.634,rs489520,0.051
18,90.640,rs9946122,0.049
18,90.640,rs9807674,0.049
18,90.752,rs4560010,0.032
18,90.794,rs10163809,0.022
18,90.853,rs2271253,0.022
18,90.892,rs1455555,0.021
18,90.900,rs9961311,0.021
18,90.957,rs10503081,0.024
18,91.029,rs17698252,0.023
18,91.042,rs755163,0.024
18,91.278,rs3853683,0.031
18,91.385,rs6567383,0.036
18,91.461,rs7245010,0.036
18,91.550,rs1720853,0.038
18,91.655,rs1701603,0.039

18,91.883,rs8097425,0.027
18,92.036,rs2162352,0.019
18,92.113,rs1460967,0.011
18,92.411,rs4941246,0.030
18,92.459,rs17072617,0.039
18,92.462,rs957789,0.040
18,92.518,rs9676116,0.040
18,92.524,rs4292016,0.040
18,92.564,rs8086559,0.035
18,92.614,rs1019433,0.036
18,92.641,rs10515993,0.036
18,92.650,rs12960757,0.042
18,92.661,rs2959470,0.050
18,92.691,rs8094758,0.056
18,92.708,rs7235285,0.064
18,92.710,rs9320046,0.065
18,92.733,rs4346287,0.061
18,92.762,rs1506232,0.074
18,92.774,rs7239193,0.083
18,92.833,rs1035208,0.116
18,92.861,rs637644,0.122
18,92.896,rs1587962,0.148
18,92.899,rs11151195,0.146
18,92.909,rs470497,0.137
18,92.928,rs565973,0.115
18,92.939,rs610091,0.125
18,92.961,rs12965811,0.157
18,92.969,rs4941343,0.170
18,93.001,rs17074993,0.183
18,93.032,rs7229020,0.196
18,93.711,rs2587416,0.117
18,93.724,rs2541868,0.116
18,93.752,rs7231837,0.118
18,93.870,rs2706586,0.145
18,94.375,rs8097107,0.132
18,94.425,rs8097294,0.129
18,94.540,rs4510132,0.124
18,94.556,rs10782022,0.123
18,94.722,rs1787502,0.116
18,94.873,rs2040212,0.110
18,94.874,rs12458066,0.110
18,94.874,rs17810856,0.110
18,95.226,rs12606152,0.111
18,95.294,rs10516001,0.116
18,95.483,rs2114507,0.131
18,95.504,rs9949630,0.130
18,95.579,rs12957557,0.130
18,95.580,rs2156439,0.130
18,95.606,rs7240637,0.148
18,95.611,rs4494651,0.154
18,95.627,rs4281825,0.165
18,95.639,rs7228283,0.176
18,95.693,rs8085939,0.184
18,95.907,rs4891598,0.153
18,95.999,rs8099213,0.173
18,96.061,rs9319727,0.182
18,96.096,rs17077145,0.189
18,96.097,rs2124349,0.190
18,96.112,rs4510133,0.191
18,96.133,rs11877044,0.195
18,96.157,rs7244686,0.199

18,96.215,rs2279269,0.142
18,96.266,rs436463,0.112
18,96.268,rs395393,0.109
18,96.294,rs875922,0.067
18,96.295,rs894910,0.067
18,96.301,rs17077611,0.060
18,96.497,rs4127445,0.040
18,97.087,rs654875,0.038
18,97.376,rs8084950,0.032
18,97.766,rs8096215,0.015
18,97.785,rs13381776,0.013
18,97.801,rs1016443,0.012
18,97.885,rs17078587,0.003
18,97.889,rs17078595,0.004
18,97.892,rs596045,0.005
18,97.893,rs582576,0.013
18,97.894,rs7504149,0.017
18,97.907,rs8084412,0.012
18,97.934,rs6566351,0.003
18,97.945,rs683011,0.002
18,97.965,rs645257,0.001
18,97.966,rs593418,0.001
18,97.987,rs17802226,0.005
18,98.078,rs481796,0.005
18,98.098,rs1400402,0.004
18,98.121,rs3897843,0.005
18,98.153,rs2319554,0.005
18,98.166,rs7229736,0.001
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18,98.211,rs979317,0.001
18,98.309,rs309251,0.000
18,98.319,rs17079623,0.000
18,98.322,rs2048329,-0.000
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18,98.467,rs1986337,-0.000
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18,98.797,rs1532662,0.001
18,98.817,rs1354065,0.001
18,98.913,rs2034021,0.002
18,98.923,rs8083908,0.003
18,98.963,rs8087067,0.018
18,98.971,rs4491635,0.020
18,98.983,rs1442671,0.022
18,98.995,rs10513965,0.025
18,99.073,rs11151513,0.044
18,99.130,rs11151522,0.051
18,99.209,rs1961994,0.055
18,99.254,rs4494649,0.053
18,99.280,rs17062094,0.047
18,99.303,rs882114,0.042
18,99.311,rs12104016,0.040

18,99.337,rs8086400,0.035
18,99.414,rs1788103,0.032
18,99.456,rs1788112,0.025
18,99.459,rs1788245,0.024
18,99.549,rs1539964,0.013
18,99.921,rs4891821,0.002
18,100.003,rs283258,0.001
18,100.011,rs2628269,0.001
18,100.090,rs7230661,0.000
18,100.143,rs1484735,0.001
18,100.180,rs7234673,0.002
18,100.189,rs7244215,0.002
18,100.190,rs1992344,0.002
18,100.198,rs3943675,0.000
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18,100.227,rs2366188,0.001
18,100.242,rs2581720,0.002
18,100.251,rs10513985,0.002
18,100.269,rs10513984,0.002
18,100.283,rs10871668,0.002
18,100.291,rs9953114,0.002
18,100.350,rs7239026,0.002
18,100.383,rs1922109,0.002
18,100.762,rs12967006,-0.001
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18,103.669,rs11151691,-0.031
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18,103.725,rs2135271,-0.063
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18,104.710,rs10514031,-0.154
18,104.720,rs11151721,-0.155
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18,116.887,rs1507465,-1.194
18,116.922,rs2405937,-1.265
18,117.046,rs359775,-1.138
18,117.112,rs7237886,-1.100
18,117.159,rs359724,-1.084
18,117.162,rs181698,-1.083
18,117.214,rs12958111,-1.020
18,117.216,rs1030567,-1.020
18,117.398,rs8094564,-0.961
18,117.677,rs2554840,-0.954
18,117.798,rs11150946,-0.696
18,117.807,rs690191,-0.685
18,117.828,rs11150948,-0.697
18,117.847,rs3991209,-0.700
18,117.859,rs4891017,-0.695
18,117.920,rs690243,-0.702
18,118.045,rs17355430,-0.696
18,118.075,rs11662423,-0.695
18,118.114,rs2042717,-0.679
18,118.169,rs12456640,-0.686
18,118.221,rs9676094,-0.659
18,118.240,rs7232036,-0.688
18,118.269,rs2174896,-0.734
18,118.277,rs9958262,-0.744

18,118.335,rs12327455,-0.750
18,118.384,rs8084598,-0.753
18,118.392,rs8098963,-0.753
18,118.424,rs4891028,-0.747
18,118.430,rs1553664,-0.746
18,118.441,rs10514219,-0.740
18,118.458,rs9951738,-0.734
18,118.473,rs4635419,-0.724
18,118.535,rs9952696,-0.632
18,118.571,rs3829636,-0.605
18,118.596,rs9945487,-0.563
18,118.671,rs9957453,-0.603
18,118.711,rs11876497,-0.607
18,118.739,rs11660099,-0.606
18,118.793,rs2174893,-0.649
18,118.809,rs8086928,-0.659
18,118.899,rs9947426,-0.718
18,119.003,rs17650693,-0.676
18,119.004,rs4890926,-0.676
18,119.136,rs9949626,-0.633
18,119.165,rs4552096,-0.636
18,119.474,rs12957245,-0.663
18,119.771,rs9675994,-0.685
18,119.799,rs470903,-0.691
18,119.805,rs3794842,-0.692
18,119.824,rs470261,-0.693
18,119.854,rs4890876,-0.695
18,119.903,rs8092433,-0.680
18,119.940,rs470542,-0.696
18,120.004,rs7241461,-0.744
18,120.068,rs9959822,-0.564
18,120.084,rs1667914,-0.553
18,120.098,rs4890890,-0.530
18,120.112,rs4890891,-0.526
18,120.125,rs4890893,-0.524
18,120.165,rs1789089,-0.498
18,120.198,rs1789079,-0.471
18,120.241,rs1789121,-0.464
18,120.425,rs11151009,-0.453
18,120.504,rs12964446,-0.417
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18,120.680,rs2717128,-0.348
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18,120.829,rs874299,-0.281
18,120.860,rs4480888,-0.299
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18,120.882,rs7241510,-0.295
18,120.884,rs7231666,-0.318
18,120.892,rs8085467,-0.329
18,120.935,rs11659340,-0.338
18,120.952,rs756238,-0.326
18,120.982,rs7239601,-0.332
18,120.985,rs4890948,-0.329
18,120.990,rs12606766,-0.324
18,120.997,rs7505169,-0.344
18,121.104,rs8087753,-0.342
18,121.114,rs517543,-0.336
18,121.130,rs512467,-0.335
18,121.188,rs12456242,-0.337
18,121.199,rs954043,-0.337
18,121.209,rs2246422,-0.340

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18,121.304,rs6566033,-0.327
18,121.310,rs12956032,-0.325
18,121.330,rs2407044,-0.317
18,121.391,rs12457067,-0.272
18,121.433,rs9949956,-0.288
18,121.485,rs11665253,-0.301
18,121.529,rs7234776,-0.326
18,121.539,rs4799153,-0.364
18,121.545,rs4798954,-0.395
18,121.550,rs11662621,-0.360
18,121.558,rs9965906,-0.359
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18,121.724,rs8085865,-0.628
18,121.738,rs5026446,-0.652
18,121.742,rs612097,-0.620
18,121.754,rs9949324,-0.613
18,121.796,rs9960674,-0.587
18,121.811,rs643444,-0.584
18,121.822,rs673112,-0.577
18,121.846,rs12607049,-0.558
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18,121.895,rs7232988,-0.507
18,121.949,rs6506837,-0.462
18,122.067,rs2941853,-0.449
18,122.070,rs2941812,-0.449
18,122.089,rs8092008,-0.442
18,122.130,rs2015066,-0.409
18,122.136,rs9945493,-0.406
18,122.169,rs6506853,-0.390
18,122.183,rs1113678,-0.386
18,122.242,rs4799238,-0.442
18,122.249,rs2927260,-0.442
18,122.263,rs6506869,-0.441
18,122.278,rs4030885,-0.436
18,122.317,rs9957519,-0.421
18,122.343,rs558191,-0.426
18,122.605,rs8082857,-0.483
18,122.664,rs12458154,-0.453
18,122.728,rs549752,-0.359
18,122.734,rs8091180,-0.347
18,122.750,rs4799055,-0.359
18,122.767,rs306872,-0.339
18,122.807,rs1667667,-0.331
18,122.835,rs177820,-0.359
18,122.846,rs9518,-0.368
18,122.848,rs3852836,-0.368
18,122.856,rs4799062,-0.364
18,122.880,rs3852840,-0.368
18,122.903,rs4239343,-0.376
18,122.910,rs748938,-0.390
18,122.914,rs3848478,-0.392
18,123.073,rs585811,-0.340
18,123.085,rs526260,-0.336
18,123.115,rs2126083,-0.335

18,123.226,rs10853393,-0.332
18,123.236,rs8083927,-0.363
18,123.313,rs3744872,-0.359
18,123.349,rs488292,-0.359
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19,0.182,rs9304882,-0.097
19,0.284,rs3764640,-0.115
19,0.466,rs2301759,-0.110
19,0.607,rs968698,-0.102
19,0.831,rs1558130,-0.088
19,1.155,rs2285972,-0.064
19,1.471,rs3786978,-0.065
19,2.001,rs197198,-0.080
19,2.120,rs2292453,-0.131
19,2.183,rs1875960,-0.141
19,2.187,rs11878864,-0.141
19,2.429,rs7252741,-0.163
19,2.831,rs1860661,-0.219
19,2.967,rs12460684,-0.247
19,3.089,rs11084906,-0.246
19,3.191,rs2041218,-0.255
19,3.234,rs4807953,-0.264
19,3.543,rs4807140,-0.384
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19,3.670,rs8100856,-0.387
19,4.384,rs4807169,-0.347
19,4.397,rs11084919,-0.345
19,4.417,rs7259201,-0.345
19,4.620,rs2041120,-0.336
19,4.918,rs10421179,-0.357
19,5.096,rs1599860,-0.374
19,5.264,rs758145,-0.445
19,5.302,rs7256023,-0.456
19,5.552,rs2072304,-0.532
19,5.578,rs1017084,-0.537
19,5.895,rs2864419,-0.593
19,6.132,rs12459507,-0.602
19,6.214,rs7253181,-0.623
19,6.338,rs4806834,-0.653
19,6.420,rs2523177,-0.653
19,6.836,rs12982784,-0.647
19,6.916,rs757322,-0.646
19,7.162,rs7248779,-0.612
19,7.269,rs735911,-0.596
19,7.622,rs13345846,-0.511
19,7.634,rs11670333,-0.506
19,7.681,rs4807284,-0.482
19,7.716,rs8113001,-0.464
19,7.718,rs8100484,-0.462
19,7.749,rs10416524,-0.433
19,7.790,rs17755100,-0.446
19,7.807,rs12985186,-0.447
19,7.912,rs8113423,-0.385
19,7.943,rs887270,-0.383
19,7.997,rs12975010,-0.412
19,8.015,rs10416033,-0.424
19,8.081,rs3936139,-0.444
19,8.134,rs2965208,-0.431
19,8.159,rs2873409,-0.409
19,8.193,rs10411547,-0.387

19,8.199,rs7257500,-0.384
19,8.312,rs9630890,-0.371
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19,9.042,rs1610062,-0.251
19,9.053,rs4806877,-0.249
19,9.154,rs9304900,-0.249
19,9.319,rs2288958,-0.194
19,9.380,rs3786948,-0.184
19,9.453,rs11666431,-0.186
19,9.488,rs8111642,-0.187
19,9.542,rs11667371,-0.185
19,9.647,rs216276,-0.239
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19,9.664,rs11084990,-0.242
19,9.679,rs3760961,-0.234
19,9.757,rs1688128,-0.185
19,9.950,rs7938,-0.189
19,10.031,rs367825,-0.187
19,10.155,rs8109448,-0.180
19,10.371,rs2238625,-0.157
19,10.455,rs3746069,-0.185
19,10.611,rs310686,-0.220
19,10.636,rs1465245,-0.230
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19,10.793,rs2074865,-0.272
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19,11.364,rs17696630,-0.256
19,11.423,rs11879556,-0.261
19,11.474,rs313784,-0.248
19,11.475,rs17674346,-0.249
19,11.493,rs7252291,-0.266
19,11.525,rs4807437,-0.296
19,11.572,rs4807441,-0.303
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19,11.677,rs4807451,-0.331
19,11.742,rs718202,-0.332
19,11.872,rs4806933,-0.381
19,11.933,rs4806934,-0.411
19,12.238,rs4807485,-0.431
19,12.300,rs7248491,-0.461
19,12.394,rs11085023,-0.508
19,12.444,rs8113232,-0.474
19,12.460,rs2108389,-0.464
19,12.575,rs10412882,-0.447
19,12.689,rs757454,-0.430
19,12.742,rs11672559,-0.416
19,12.814,rs740873,-0.404
19,12.972,rs501168,-0.388
19,13.027,rs13960,-0.372
19,13.125,rs4807511,-0.329
19,13.173,rs2285957,-0.312
19,13.336,rs11670741,-0.290
19,13.398,rs10401177,-0.280
19,13.451,rs11085044,-0.298
19,13.508,rs3810374,-0.352
19,13.574,rs10412199,-0.389
19,13.592,rs2304191,-0.400
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19,13.850,rs3760903,-0.364
19,14.140,rs350912,-0.335
19,14.207,rs12459940,-0.335
19,14.278,rs350825,-0.325
19,14.358,rs16992288,-0.313
19,14.412,rs352493,-0.305
19,14.416,rs4807546,-0.305
19,14.428,rs352494,-0.307
19,14.523,rs8110516,-0.317
19,14.620,rs353694,-0.294
19,14.768,rs888930,-0.318
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19,15.235,rs243372,-0.262
19,15.358,rs10421126,-0.233
19,15.428,rs892161,-0.220
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19,15.570,rs966384,-0.225
19,15.576,rs4806985,-0.227
19,15.622,rs1610093,-0.218
19,15.625,rs10409783,-0.218
19,15.637,rs16992439,-0.218
19,15.637,rs7249087,-0.218
19,15.757,rs7255247,-0.218
19,15.883,rs11880374,-0.217
19,15.896,rs9917028,-0.217
19,16.129,rs7251000,-0.200
19,16.302,rs879564,-0.234
19,16.347,rs11085096,-0.232
19,16.470,rs4807650,-0.220
19,16.532,rs2779180,-0.189
19,16.567,rs1055919,-0.167
19,16.642,rs8105711,-0.168
19,16.690,rs2656938,-0.192
19,16.739,rs4807664,-0.211
19,16.811,rs262566,-0.264
19,16.834,rs2250978,-0.263
19,16.854,rs2307204,-0.263
19,17.135,rs2613766,-0.255
19,17.440,rs2620812,-0.206
19,17.557,rs2379609,-0.272
19,17.583,rs10415488,-0.276
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19,17.612,rs4807016,-0.285
19,17.753,rs1558138,-0.340
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19,17.824,rs1207118,-0.391
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19,18.006,rs6510851,-0.380
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19,18.104,rs8107825,-0.358
19,18.139,rs668692,-0.362
19,18.163,rs797544,-0.378
19,18.252,rs675136,-0.456
19,18.270,rs385839,-0.475
19,18.369,rs2288947,-0.504
19,18.379,rs8105637,-0.506

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19,18.924,rs3826798,-0.512
19,18.962,rs6510857,-0.504
19,19.042,rs778805,-0.482
19,19.061,rs3760776,-0.485
19,19.125,rs10426709,-0.521
19,19.131,rs778972,-0.525
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19,19.319,rs7258475,-0.483
19,19.374,rs628271,-0.470
19,19.439,rs731773,-0.454
19,19.470,rs530942,-0.480
19,19.545,rs673153,-0.503
19,19.687,rs9304930,-0.506
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19,20.128,rs1560694,-0.467
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19,21.363,rs1115478,-0.334
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19,21.429,rs344589,-0.331
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19,21.504,rs344580,-0.339
19,21.621,rs12462065,-0.370
19,21.625,rs426374,-0.371
19,21.638,rs447135,-0.374
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19,21.744,rs1077667,-0.350
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19,21.891,rs11672613,-0.319
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19,22.051,rs339404,-0.330
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19,22.202,rs568259,-0.315
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19,22.307,rs12610223,-0.343
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19,22.467,rs331679,-0.335
19,22.659,rs330876,-0.302
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19,22.950,rs625183,-0.188
19,23.005,rs2035970,-0.198
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19,23.815,rs3852876,-0.236
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19,24.070,rs11879985,-0.137
19,24.083,rs4804602,-0.133
19,24.224,rs11880140,-0.108
19,24.266,rs3745356,-0.108
19,24.291,rs1363938,-0.100
19,24.349,rs661821,-0.102
19,24.412,rs591040,-0.090
19,24.465,rs577029,-0.077
19,24.492,rs10418152,-0.077
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19,25.925,rs17160149,-0.023
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19,26.087,rs12162233,-0.016
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19,26.187,rs8112582,-0.024
19,26.343,rs2967625,-0.024
19,26.371,rs11666971,-0.026
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19,26.422,rs36259,-0.030
19,26.443,rs250508,-0.019
19,26.447,rs7250584,-0.019
19,26.589,rs2241590,-0.002
19,26.714,rs2278236,-0.001
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19,27.053,rs7507526,-0.003
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19,28.335,rs10854117,-0.005
19,28.352,rs881877,-0.004
19,28.372,rs7260214,-0.005
19,28.419,rs12984694,-0.007
19,28.514,rs10417520,-0.013
19,28.543,rs4804394,-0.024
19,28.631,rs11670174,-0.023
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19,28.769,rs2033483,-0.007
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19,28.845,rs7254803,-0.004
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19,29.100,rs17265036,-0.002
19,29.360,rs10854157,-0.002
19,29.721,rs10500208,-0.005
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19,30.110,rs8113425,-0.026
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19,30.376,rs10401453,-0.014
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19,30.458,rs897803,-0.013
19,30.494,rs1979262,-0.015
19,30.503,rs15723,-0.015
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19,31.636,rs12459603,-0.019
19,31.658,rs13345127,-0.018
19,31.698,rs1529729,-0.016
19,31.724,rs11668477,-0.016
19,31.782,rs892115,-0.013
19,31.791,rs7188,-0.009
19,31.799,rs4804149,-0.006

19,31.799,rs379309,-0.006
19,31.817,rs754528,-0.008
19,31.918,rs322141,-0.020
19,31.924,rs7417,-0.019
19,31.951,rs7251786,-0.017
19,31.958,rs8108707,-0.016
19,31.987,rs2291516,-0.017
19,32.126,rs12984574,-0.015
19,32.146,rs889366,-0.015
19,32.212,rs13345223,-0.012
19,32.221,rs7255420,-0.013
19,32.269,rs893546,-0.018
19,32.269,rs17638694,-0.018
19,32.327,rs11880217,-0.013
19,32.354,rs17706051,-0.011
19,32.358,rs11666071,-0.011
19,32.373,rs12981699,-0.012
19,32.466,rs11881952,-0.010
19,32.517,rs8102143,-0.010
19,32.762,rs722571,-0.009
19,33.069,rs11085825,-0.013
19,33.088,rs11667458,-0.012
19,33.113,rs8107173,-0.011
19,33.245,rs7250834,-0.007
19,33.249,rs8103241,-0.007
19,33.521,rs892020,-0.018
19,33.551,rs8109821,-0.022
19,33.554,rs8113706,-0.022
19,33.556,rs10854122,-0.022
19,33.660,rs3816027,-0.035
19,33.744,rs7251403,-0.036
19,33.758,rs4926249,-0.038
19,33.797,rs12608501,-0.037
19,33.826,rs4499352,-0.036
19,33.872,rs8101955,-0.036
19,33.899,rs7256928,-0.036
19,33.925,rs4926278,-0.054
19,34.062,rs4926285,-0.062
19,34.149,rs1363345,-0.064
19,34.153,rs4926290,-0.064
19,34.163,rs11879128,-0.085
19,34.185,rs1862260,-0.065
19,34.283,rs16979195,-0.037
19,34.316,rs10414182,-0.036
19,34.391,rs11668370,-0.038
19,34.529,rs10416242,-0.046
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19,34.858,rs346155,-0.006
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19,36.632,rs8113491,0.004
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19,37.669,rs11085928,-0.005
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19,38.433,rs7254518,-0.009
19,38.480,rs4808358,-0.010
19,38.627,rs8102407,-0.002
19,38.796,rs4808416,-0.001
19,38.801,rs1594688,-0.001
19,38.935,rs7251800,-0.001
19,38.955,rs6512081,-0.001
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19,39.159,rs998316,0.006
19,39.205,rs16981095,0.034
19,39.217,rs17708984,0.043
19,39.330,rs2241400,0.062
19,39.334,rs1043346,0.062
19,39.341,rs10406557,0.061
19,39.408,rs12461400,0.057

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19,39.528,rs501537,0.051
19,39.739,rs7259026,0.026
19,39.763,rs12461136,0.025
19,39.821,rs754292,0.022
19,39.842,rs11672396,0.022
19,39.882,rs4808051,0.022
19,40.019,rs7247204,0.021
19,40.050,rs878506,0.022
19,40.071,rs812847,0.014
19,40.129,rs773845,0.020
19,40.605,rs8108315,0.011
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19,40.790,rs8102899,0.006
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19,41.160,rs8112434,-0.000
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19,43.822,rs13345379,-0.032
19,43.900,rs17654456,-0.017
19,43.916,rs265548,-0.033
19,44.073,rs11086080,-0.033
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19,44.168,rs2110586,-0.061
19,44.259,rs6512236,-0.061
19,44.346,rs7252014,-0.035
19,44.414,rs17654580,-0.038
19,44.432,rs91710,-0.034
19,44.454,rs12973060,-0.031
19,44.470,rs434815,-0.033
19,44.584,rs3746188,-0.061
19,44.644,rs7125,-0.078
19,44.773,rs1469023,-0.087
19,44.798,rs4254438,-0.090
19,44.861,rs12985909,-0.087
19,44.877,rs1978423,-0.087

19,44.912,rs3746183,-0.092
19,44.919,rs749451,-0.091
19,44.943,rs8101804,-0.086
19,45.045,rs731945,-0.072
19,45.092,rs7251067,-0.066
19,45.208,rs3761034,-0.066
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19,45.352,rs3795028,-0.066
19,45.409,rs757318,-0.066
19,45.467,rs2240887,-0.068
19,45.513,rs10038,-0.070
19,45.546,rs2313048,-0.076
19,45.564,rs8104653,-0.079
19,45.699,rs10403594,-0.072
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19,45.930,rs964132,-0.086
19,45.933,rs3746259,-0.086
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19,46.562,rs8110890,-0.129
19,46.563,rs247767,-0.129
19,46.577,rs247789,-0.127
19,46.594,rs8110431,-0.124
19,46.600,rs248943,-0.123
19,46.784,rs12460082,-0.104
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19,47.175,rs10425466,-0.116
19,47.242,rs6511099,-0.136
19,47.460,rs7254995,-0.210
19,47.463,rs1862466,-0.210
19,47.513,rs8101643,-0.198
19,47.608,rs7252706,-0.149
19,47.622,rs2015481,-0.137
19,47.663,rs2435039,-0.097
19,47.679,rs10424424,-0.101
19,47.680,rs1965611,-0.101
19,47.761,rs2957807,-0.115
19,47.762,rs8101792,-0.116
19,47.767,rs4932769,-0.097
19,47.771,rs7245541,-0.113
19,47.791,rs12980509,-0.096
19,47.793,rs7252224,-0.096
19,47.823,rs11668225,-0.090
19,47.837,rs7246878,-0.087
19,47.846,rs376789,-0.076
19,47.871,rs13346109,-0.073
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19,47.919,rs2195987,-0.062
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19,48.371,rs811020,-0.047
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19,48.394,rs10500233,-0.046
19,48.395,rs17714483,-0.046
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19,48.528,rs1558363,-0.161
19,48.529,rs740880,-0.141
19,48.533,rs892074,-0.138
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19,48.536,rs12982054,-0.136
19,48.540,rs2195954,-0.140
19,48.541,rs12461407,-0.142
19,48.543,rs2082455,-0.145
19,48.546,rs892071,-0.187
19,48.546,rs734837,-0.195
19,48.550,rs8106720,-0.221
19,48.553,rs10411749,-0.224
19,48.554,rs1035936,-0.255
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19,48.566,rs16963209,-0.239
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19,62.243,rs10401458,-0.008
19,62.314,rs10413521,-0.023
19,62.415,rs1165838,-0.034
19,62.532,rs7254268,-0.052
19,62.542,rs2561563,-0.054
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19,62.680,rs2607426,-0.072
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19,62.714,rs11881124,-0.076
19,62.811,rs10521014,-0.081
19,62.812,rs5007415,-0.082
19,62.964,rs11666982,-0.092
19,62.996,rs7254075,-0.095
19,63.005,rs10513606,-0.095
19,63.042,rs1709084,-0.096
19,63.081,rs10426454,-0.093
19,63.115,rs1645685,-0.102
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19,63.168,rs168109,-0.054
19,63.188,rs4803449,-0.049
19,63.277,rs2217656,-0.031
19,63.297,rs10417924,-0.028
19,63.318,rs4803455,-0.023
19,63.368,rs12610088,-0.023
19,63.388,rs2215324,-0.017
19,63.394,rs2109075,-0.010
19,63.403,rs7251044,-0.010
19,63.404,rs3928916,-0.010
19,63.417,rs10413359,-0.019
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19,63.485,rs10421547,-0.026
19,63.493,rs12610309,-0.023
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19,66.664,rs16979873,0.030
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19,67.621,rs2072561,0.013
19,67.650,rs2007332,0.013
19,67.700,rs8111075,0.012
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19,68.172,rs7259453,0.092
19,68.176,rs4803913,0.090
19,68.208,rs10153462,0.074
19,68.248,rs3826795,0.084
19,68.286,rs887946,0.092
19,68.376,rs11670522,0.087
19,68.390,rs12459321,0.083
19,68.394,rs10412551,0.082
19,68.439,rs2288913,0.067
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19,68.482,rs1975189,0.050
19,68.522,rs10113,0.033
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19,68.657,rs6509294,0.015
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19,68.802,rs1862499,0.062
19,68.885,rs10424953,0.068
19,68.894,rs4804036,0.079
19,68.898,rs7250152,0.074
19,68.906,rs8112962,0.079
19,68.907,rs10426874,0.078
19,68.910,rs2252532,0.091
19,68.918,rs12976740,0.072
19,68.922,rs830145,0.086
19,68.927,rs17271418,0.083
19,68.940,rs2974216,0.074
19,68.958,rs10412317,0.058
19,68.961,rs9304671,0.057
19,68.965,rs16982092,0.068
19,68.966,rs12985868,0.070
19,69.004,rs2303690,0.087
19,69.019,rs1171099,0.092
19,69.066,rs2386983,0.102
19,69.117,rs1366442,0.131
19,69.120,rs11564620,0.120
19,69.191,rs156631,0.166
19,69.198,rs11564538,0.166
19,69.329,rs3730913,0.157
19,69.422,rs972800,0.154
19,69.479,rs1062808,0.149
19,69.494,rs1966625,0.150
19,69.926,rs1504520,0.198
19,70.068,rs8182501,0.221
19,70.215,rs275837,0.232
19,70.519,rs1799270,0.164
19,70.530,rs11083939,0.161
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19,70.715,rs8111317,0.223
19,70.717,rs599951,0.231
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19,70.732,rs12974796,0.285
19,70.759,rs2098684,0.283
19,70.822,rs4802517,0.249
19,70.841,rs2270943,0.239
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19,70.897,rs11667229,0.212
19,70.949,rs3764622,0.191
19,70.960,rs7256033,0.188
19,71.008,rs11669977,0.160
19,71.015,rs17206784,0.154
19,71.051,rs734570,0.143
19,71.104,rs3745298,0.126
19,71.122,rs2287923,0.117
19,71.176,rs3848549,0.091
19,71.212,rs8111390,0.090
19,71.351,rs10405154,0.078
19,71.400,rs2293011,0.066

19,71.511,rs13346402,0.079
19,71.591,rs11880923,0.090
19,71.696,rs3745469,0.082
19,71.719,rs10415880,0.081
19,71.796,rs12609870,0.066
19,71.825,rs6509443,0.060
19,71.832,rs2304202,0.058
19,71.876,rs1674139,0.049
19,71.987,rs1290650,0.051
19,72.039,rs16981486,0.051
19,72.123,rs4801810,0.052
19,72.162,rs1152237,0.053
19,72.189,rs283526,0.053
19,72.357,rs734910,0.047
19,72.358,rs3745495,0.047
19,72.362,rs245110,0.048
19,72.488,rs4280362,0.057
19,72.516,rs6509454,0.061
19,72.533,rs638286,0.064
19,72.562,rs12608568,0.064
19,72.617,rs630283,0.077
19,72.673,rs3745504,0.082
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19,72.702,rs667907,0.085
19,72.752,rs7251148,0.088
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19,73.023,rs3816551,0.123
19,73.112,rs1620498,0.142
19,73.213,rs1150922,0.144
19,73.221,rs1862479,0.146
19,73.244,rs6509477,0.121
19,73.293,rs2098683,0.106
19,73.314,rs1978454,0.108
19,73.348,rs6509485,0.116
19,73.377,rs2042279,0.122
19,73.448,rs8104662,0.141
19,73.458,rs889135,0.137
19,73.488,rs11879379,0.127
19,73.494,rs889133,0.126
19,73.532,rs3893128,0.117
19,73.553,rs12460584,0.117
19,73.569,rs8103945,0.125
19,73.648,rs919276,0.146
19,73.684,rs10853822,0.121
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19,73.749,rs2411335,0.107
19,73.812,rs2247289,0.098
19,73.874,rs2163861,0.086
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19,73.929,rs1058205,0.067
19,73.935,rs8112276,0.065
19,73.943,rs10401509,0.067
19,73.993,rs1354774,0.078
19,74.046,rs7248321,0.064
19,74.053,rs2659079,0.062
19,74.061,rs17714461,0.061

19,74.098,rs268914,0.053
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19,74.135,rs4592765,0.021
19,74.168,rs16988619,0.022
19,74.188,rs1654523,0.015
19,74.195,rs995788,0.009
19,74.214,rs10451448,0.012
19,74.220,rs1722560,0.012
19,74.285,rs1474520,0.018
19,74.319,rs2691229,0.017
19,74.327,rs8105944,0.022
19,74.360,rs1404318,0.010
19,74.361,rs10426620,0.010
19,74.373,rs1001538,0.010
19,74.398,rs9304708,0.012
19,74.416,rs2091181,0.018
19,74.429,rs11666870,0.014
19,74.463,rs9917107,0.009
19,74.492,rs2075803,0.005
19,74.517,rs1710378,0.005
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19,74.594,rs273658,0.000
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19,74.806,rs12985380,-0.005
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19,74.847,rs2898691,-0.006
19,74.870,rs9304712,-0.014
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19,74.948,rs3810110,-0.026
19,74.993,rs4802810,-0.037
19,75.001,rs10412859,-0.038
19,75.026,rs7245800,-0.035
19,75.040,rs7252645,-0.033
19,75.051,rs10500308,-0.032
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19,75.069,rs4802831,-0.029
19,75.072,rs17740650,-0.028
19,75.100,rs12462026,-0.021
19,75.100,rs7250849,-0.021
19,75.127,rs2902883,-0.017
19,75.146,rs2167418,-0.008
19,75.151,rs10422727,-0.011
19,75.162,rs4802851,-0.017
19,75.194,rs4801891,-0.019
19,75.211,rs12984050,-0.017
19,75.239,rs4802867,-0.016
19,75.284,rs8099997,-0.018
19,75.342,rs1549931,-0.011
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19,90.812,rs9917082,-0.424
19,90.843,rs2904241,-0.426
19,90.877,rs11881987,-0.427
19,90.899,rs10420820,-0.427
19,90.962,rs8105965,-0.417
19,90.982,rs714082,-0.409
19,91.025,rs2072501,-0.395
19,91.040,rs11878187,-0.413
19,91.090,rs1548866,-0.439
19,91.098,rs3795006,-0.415
19,91.193,rs1558355,-0.470
19,91.327,rs6510022,-0.472
19,91.392,rs8100664,-0.485
19,91.456,rs12974085,-0.464
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19,91.497,rs12971478,-0.492
19,91.534,rs7259756,-0.483
19,91.570,rs1433105,-0.483
19,91.614,rs11668315,-0.463
19,91.669,rs892168,-0.436
19,91.723,rs7259337,-0.381
19,91.734,rs10401795,-0.370
19,91.742,rs2902943,-0.329
19,91.917,rs10403926,-0.301
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19,92.373,rs10418480,-0.274
19,92.471,rs10411733,-0.261
19,92.766,rs8100796,-0.219
19,93.021,rs2285611,-0.207
19,93.203,rs10410631,-0.219
19,93.460,rs11879465,-0.208
19,93.835,rs7251603,-0.180
19,93.934,rs2303817,-0.173
19,94.844,rs1035522,-0.115

19,95.192,rs4801552,-0.070
19,96.061,rs7248512,-0.149
19,96.132,rs260423,-0.147
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19,96.518,rs7253055,-0.117
19,96.608,rs931258,-0.104
19,96.650,rs3915790,-0.098
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19,97.152,rs8100801,-0.104
19,97.409,rs2278498,-0.092
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20,0.429,rs722829,0.154
20,0.941,rs513522,0.184
20,1.146,rs6048226,0.178
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20,1.297,rs6050276,0.177
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20,1.510,rs6037430,0.137
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20,2.569,rs6107514,0.103
20,2.665,rs204694,0.090
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20,2.786,rs6139653,0.104
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20,3.418,rs6085469,0.047
20,3.461,rs6139971,0.050
20,3.487,rs873544,0.044
20,3.509,rs1114734,0.041
20,3.536,rs6117279,0.069
20,3.560,rs6085580,0.085
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20,3.854,rs2024896,0.066
20,3.892,rs4815961,0.064
20,3.899,rs668988,0.063
20,3.909,rs13045384,0.062
20,4.084,rs592954,0.048
20,4.099,rs6077185,0.047
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20,4.434,rs12625746,0.023
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20,4.830,rs6055803,0.007
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20,4.835,rs524765,0.003
20,4.838,rs1014897,0.004
20,4.842,rs478451,0.006
20,4.900,rs1997924,0.005
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20,5.220,rs2317321,0.007
20,5.436,rs6056558,0.023
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20,5.732,rs6118727,0.023
20,5.792,rs761857,0.020
20,5.810,rs6057063,0.020
20,5.824,rs6042507,0.008
20,5.860,rs715217,0.007
20,5.923,rs976192,0.008
20,6.034,rs2250091,0.006
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20,6.585,rs202490,0.002
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20,8.122,rs6082497,-0.019
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20,8.368,rs6036147,-0.036
20,8.372,rs6113720,-0.036
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20,10.480,rs857242,-0.022
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20,10.515,rs6115792,-0.021
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20,10.910,rs6076524,-0.034
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20,11.338,rs2670314,-0.045
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20,12.087,rs998132,-0.040
20,12.155,rs2143234,-0.045
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20,14.962,rs2748901,-0.107
20,15.082,rs13042903,-0.109
20,15.149,rs8126456,-0.110
20,15.242,rs404678,-0.100
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20,19.022,rs6107683,-0.238
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20,22.481,rs7263691,-0.207
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20,37.914,rs7265754,-0.691
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20,112.569,rs6011530,-0.063
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20,115.884,rs816953,-0.147
20,115.961,rs6090041,-0.148
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21,7.321,rs2192160,-0.046
21,7.370,rs434396,-0.046
21,7.419,rs2013669,-0.047
21,7.431,rs4816274,-0.047
21,7.543,rs2822589,-0.049
21,7.641,rs2822654,-0.052
21,7.758,rs2822670,-0.047
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21,9.136,rs2823036,-0.150
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21,15.114,rs2824321,-0.933
21,15.190,rs2824327,-0.986
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21,17.105,rs2824847,-1.054
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21,17.205,rs2824909,-1.047
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21,17.728,rs460820,-1.150
21,17.832,rs2825252,-1.228
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21,18.116,rs2226409,-1.344
21,18.358,rs1015566,-1.284
21,18.432,rs2211938,-1.272
21,18.461,rs2825425,-1.283
21,18.689,rs2825522,-1.365
21,18.701,rs856171,-1.309
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21,18.876,rs2825560,-1.133
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