

SUPPLEMENTARY MATERIAL to Uhl *et al* “Smoking quit success genotype score predicts quit success and distinct patterns of developmental involvement with common addictive substances”

Figure S1: Design of the smoking cessation trial. Each of the 50 European-American smokers who achieved continuous abstinence for 11 weeks were matched to 117 smokers who failed to achieve abstinence for genotyping (from total n = 420).

Matching was based on race, gender and arm of the study. Participants were enrolled with consent for genotyping, treated with 21 or 42 mg NRT patches, and stratified for subsequent treatment based on reductions in CO levels in end expired air at the end of the first of two weeks of precessation treatment during which participants were instructed that they could smoke freely until the targeted quit date (two weeks after onset of NRT). Numbers of participants who were genotyped came from the 21 mg NRT, 42 mg NRT, 21 mg NRT + bupropion, 42 mg NRT + bupropion, 21 mg NRT then varenicline and 42 mg NRT then varenicline arms as follows: 37, 49, 21, 24, 19 and 19 (note that the first two values come from individuals falling into both groups A1 and A2, below). Mean v1.0 scores were 381, 388, 383, 370, 391 and 390, respectively, displaying no significant differences.

Ranges of v1.0 scores from participants who received NRT, bupropion + NRT and NRT then varenicline treatment were 291-470, 312-456 and 307-450, respectively. NRT doses were gradually reduced beginning 4 or 6 weeks after the quit date for the 42 and 21 mg/24 h groups, respectively.

Participants with sleep disturbances removed patches at bedtime and applied new ones upon awakening. Subjects experiencing other symptoms of nicotine toxicity reduced doses until symptoms abated according to the following sequence: reduce morning patch from 21- to 14- to 7 to 0 mg/day, then discontinue the afternoon patch.

Partial results for cessation success enhancement from this adaptive treatment have been reported by Rose and colleagues (Abstracts, Society for Research on Nicotine and Tobacco, 2011).

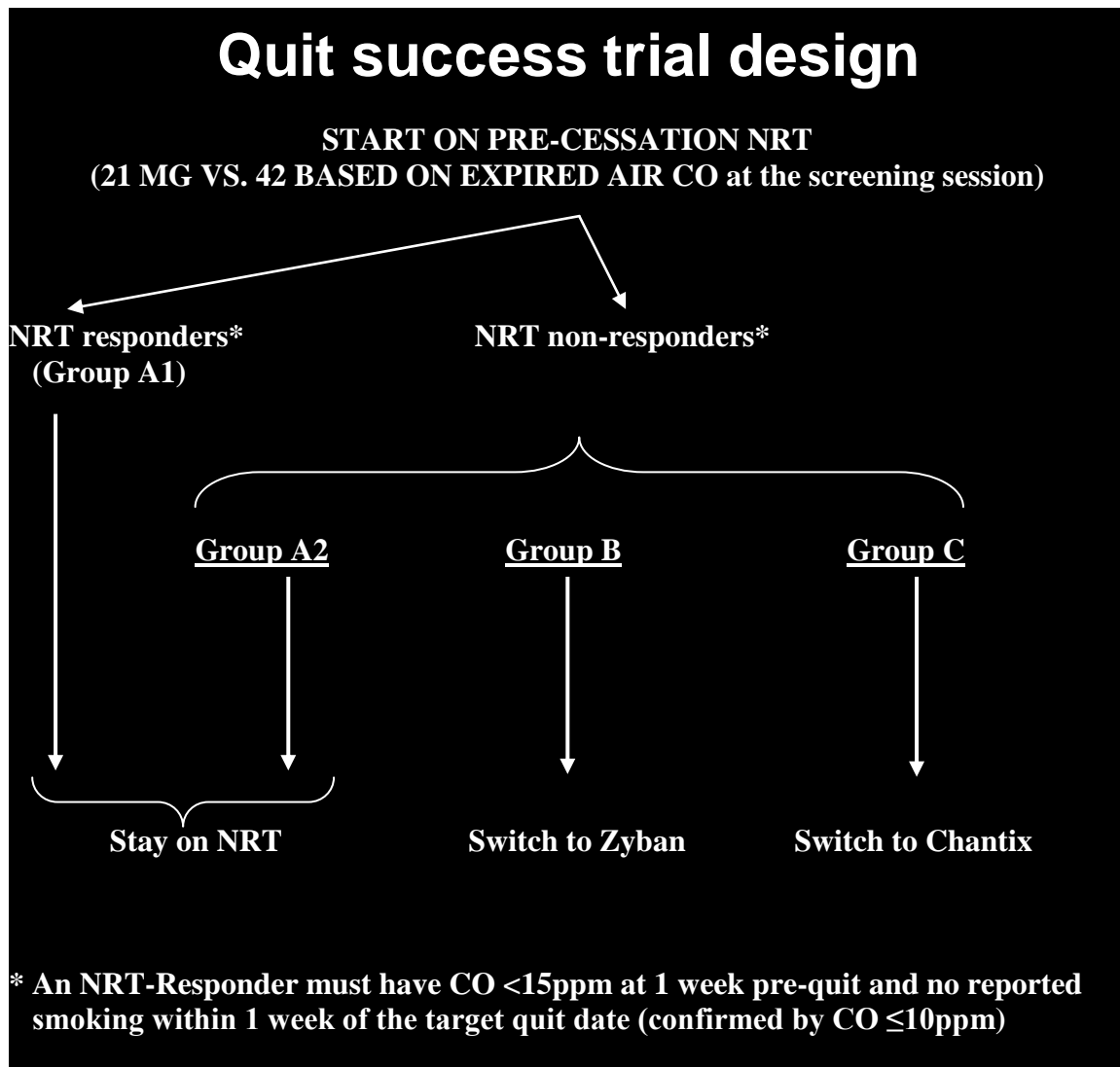


Figure S2: Design of prevention intervention trial (cohort III) and followup. Seven hundred ninety nine Baltimore first graders in 1993 (cohort III; 6.2 +/-0.4 years old when entering) were recruited from 27 classrooms in 9 Baltimore elementary schools^{1,2 3,4}. 63% qualified for free or reduced price lunch. Participants were group-randomized to control or one of two universal, elementary school-based interventions [25, 26] that targeted improved behavior and school performance as well as subsequent reductions in drug use, antisocial behavior and school failure [27, 28]. Fifty four percent were male, 85% African American and 13% European American.

Participants provided data at a median of nine of ten follow-up attempts that asked questions about drug use from 8th grade until age 24. There was about 20% loss of subjects to follow-up over this time period, but there was not any significant difference in the dropout in different arms of the trial. During follow-up visits in 2007 – 2011, about 80% of participants provided consent for genotyping and blood and/or buccal material for DNA extraction. We present data from these 555 individuals with both clinical information and genotype scores.

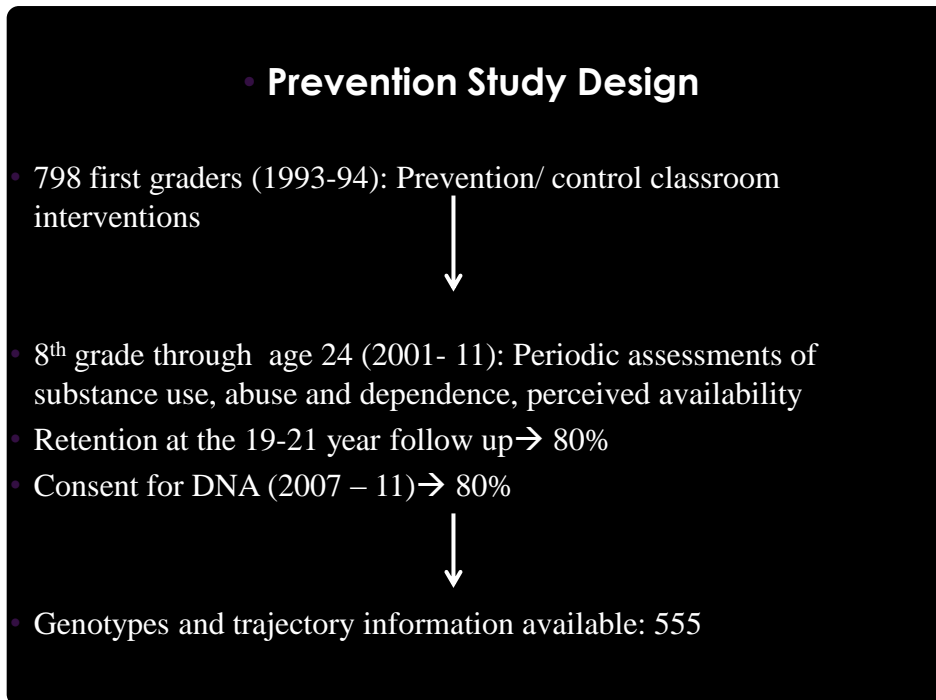
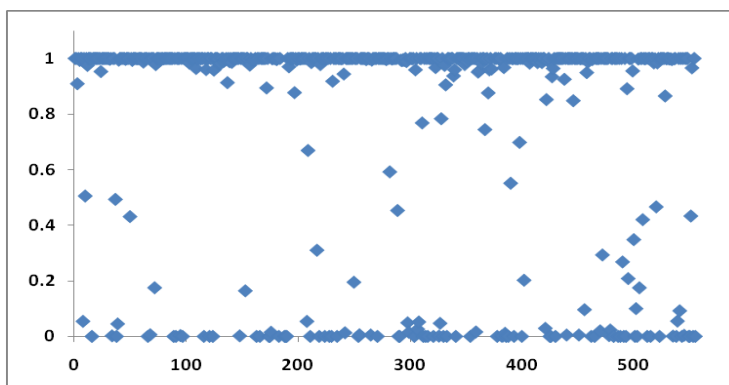
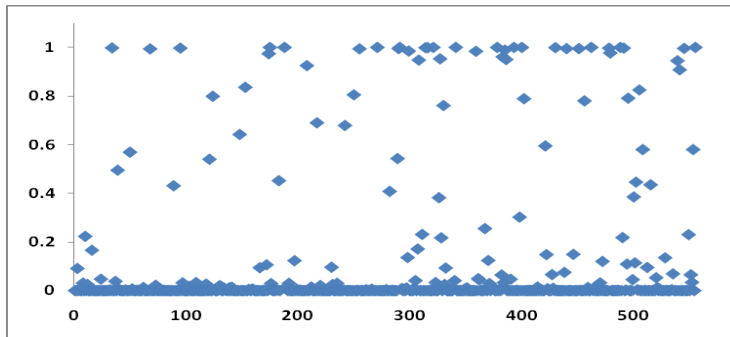


FIGURE S3: Probabilities (Y axis) of membership in the two classes most strongly associated with v1.0 scores in individuals in prevention study cohort III (individuals 1 – 555 arrayed on X axis).

A. Class 1. Note that only 3% of participants displayed probabilities between 0.2 and 0.8 of membership in this class.



B. Class 3. Note that only 4.9% of participants displayed probabilities between 0.2 and 0.8 of membership in this class.



Supplementary analyses:

A. There was low correlation between v1.0 scores and a measure of smoking, the heaviness of smoking index assessed at baseline for smoking cessation clinical trial participants (-0.114; Pearson correlation coefficient).

B. There was a low correlation between v1.0 scores and another measure that can predict quit success, reduction in exhaled CO during the first week of precessation NRT for smoking cessation clinical trial participants (0.072 Pearson correlation coefficient between z transformed CO reduction and F1 scores).

C. The area under receiver operating characteristic curve for CO reduction during the first week of precessation NRT in predicting 11 week continuous abstinence was 0.675, similar to the predictive ability of the genotypic v1.0 scores (0.657), even though there was little correlation between these two predictors of quit success.

D. Power for quitter vs nonquitter (n = 50 vs 117 as used in the present report) with differences of 0.1, 0.05, 0.025 and 0.01 using observed mean standard deviation (0.07) from prior studies of smoking cessation success would be 1, 0.99, 0.55 and 0.13, respectively.

E. There were no significant relationships between v1.0 scores and treatment arm (ANOVA $F = 2.27$, $p = .1$, power = 0.4), patch dose (ANOVA $F = .007$, $p = 0.93$, power

= 0.05), or whether a participant achieved >50% CO reduction during precessation NRT (ANOVA $F = 1.25$, $p = 0.27$, power = .19). The v1.0 score predicted abstinence using logistic regression with and without treatment in the model with similar p values (.029 and 0.03, respectively).

F. End-expired air CO measurements from trial participants during screening correlates with screening values on the Fagerstrom Test for Nicotine Dependence (ANOVA $F = 12.1$, $p = 0.006$) and Heaviness of Smoking index screening values (ANOVA $F = 32.5$, $p < 0.001$).

G. While there was significant overlap at the level of some genes (eg CDH13, see main article), there was only chance overlap of SNPs from the v1.0 score and those identified by tests of several phenotypes in smoker samples using different genotyping platforms⁵⁻⁷.

H. ROC curves for an unweighted score comprised of the sum of risk alleles provided results that were slightly less significant than those for the v1.0 score in which risk alleles were differentially weighted (AUC = 0.65).

I. In secondary analyses of the association of v1.0 scores with developmental trajectories of substance use, the v1.0 score provided a highly-significant covariate when it was added to two additional analyses: i) a latent class growth LCGA model, or ii) a longitudinal latent class analyses, using M plus.

TABLES S1 – S4

Table S1: Characteristics of latent class growth analyses for developmental profiles of use of common addictive substances from ages 14 – 23. Columns list: the number of classes, log likelihood of model fit to data, number of free parameters for each model, Bayesian information content for each model, VLMR ratio test, entropy and frequency of the smallest class in the model. Note that the BLRT was 0 for all models. Based on these data and the desire to model as many classes as sensible, we chose to use a three class model.

Number classes	Log likelihood	# free param	BIC	VLMRLRT	Entropy	Smallest class freq
1	-17323	12	34726	n/a	n/a	n/a
2	-16656	15	33412	0.003	0.918	0.15
3	-16519	18	33158	0.175	0.915	0.07
4	-16382	21	32904	0.009	0.894	0.04
5	-16309	24	32779	0.021	0.839	0.04

Table S2: Validation of the prevention study samples. Genomic regions and genes identified by prevention samples overlap with those identified by previously-reported NIDA-MNB research volunteer samples, based on clustered, nominally-significant SNPs. Monte Carlo simulations support $p < 10^{-5}$ for overall overlap of these dependence *vs* control datasets from these prevention samples and larger, research volunteer samples. These data compare African Americans from prevention and research volunteer samples and display this remarkable overlap of results despite modest differences in the ages (mid 20s *vs* mid 30s, respectively), gender distribution (more males in the research volunteer group) and dependence (dependence on any addictive substance *vs* heavy use of and dependence on at least one illegal substance, respectively).

Prevention study samples and interventions: Baltimore first graders in 1985, 1986 and 1993 (cohorts I - III, respectively) were group-randomized to control or preventive interventions intended to improve behavior and school performance that were applied through grades 1 (cohort III) or 1 and 2 (cohorts I and II), as noted above. Participants provided data at a median of six of the eight (Cohorts I and II) and nine of ten (Cohort III) follow-up attempts, including extensive data about substance use, abuse and dependence. Opportunities to use addictive substances of specific classes were assessed contemporaneously at each assessment (cohort III) or retrospectively, seeking lifetime data on opportunities to use, through questions asked at age *ca.* 18 – 19 (cohorts I and II). DSM diagnoses of substance dependence came from the Diagnostic Interview Schedule (DIS) ⁸. Nicotine dependence was diagnosed using the Fagerstrom Test for Nicotine Dependence (FTND), with a cut off of ≥ 6 ⁹⁻¹¹. There was *ca* 20% loss of subjects to follow-up over this time period.

Substance dependence was diagnosed using DSM and/or FTND criteria in 81 of these African-American study participants. These individuals were matched for gender, age and ethnicity to the 175 African-American controls who reported the most opportunities to use addictive substances but displayed neither dependence, abuse or extensive use of any addictive substance. For each control individual in cohort III, we summed the times that the subject responded “yes” to questions about opportunities to use substances of each class during their follow-up assessments. For each individual in cohorts I and II, we summed the times that the subject responded “yes” to questions about retrospective opportunities to use substances in each class during the age 18/19 assessment.

Comparison research volunteer sample for assessments of substance dependence:

Results from these prevention study subjects were compared to data from ethnically-matched MNB research volunteers who provided informed consents, ethnicity data, drug

use histories and DSMIII-R or IV diagnoses, or control histories. DNA from 35 and 12 pools sampled 700 “abusers” with DSMIII-R/IV dependence on at least one illegal abused substance and 240 “controls” who reported no significant lifetime use of any addictive substance, respectively.

Analyses: SNPs that displayed χ^2 statistics with $p < 0.05$ for differences between prevention study substance dependent vs control individuals often clustered so that at least four of these nominally-significant SNPs lay within 10 kb of each other (average distances between nominally-significant SNP was about 3 kb). We focus our preplanned analyses on the chromosomal regions and genes identified by these clusters of nominally-significant SNPs in these samples that overlap with those identified, using the same criteria, in 1M SNP studies of DNA pools from NIDA MNB African American research volunteers¹². We compared the chromosomal regions that were identified by clustered, nominally-positive SNPs from both samples to those identified by chance in random Monte Carlo trials. Each Monte Carlo trial began with random sets of SNPs of the same sizes as those identified by the true data in each sample. For each trial, the random set of SNPs was assessed to see if it provided results equal to or greater than the results that we actually observed. The number of trials for which the randomly-selected SNPs displayed (at least) the same features displayed by the observed results was then tallied to generate an empirical p value for each region. These simulations, not corrected for multiple comparisons, test the null hypothesis that the results from the prevention and research volunteer samples identify the same chromosomal regions at the rates expected by chance.

$p < 5 \times 10^{-2}$
SNPs

<i>ch</i>	<i>bp:start</i>	<i>bp: stop</i>	<i>Prevention</i>	<i>MNB</i>	<i>gene(s)</i>	<i>p region</i>
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1	160191373	160202745	5	4	ATF6	0.0177
1	161203260	161213817	6	5		0.0119
1	175138260	175154142	4	4	ASTN1	0.0248
1	175396660	175414782	6	5	ASTN1, FAM5B	0.0117
1	180378729	180451983	17	4		0.0025
1	202827613	202856667	10	5	LRRN2	0.0062
1	202942264	202979528	4	8		0.0274
1	232160317	232175256	6	4	SLC35F3	0.0142
1	239112219	239119745	7	6	RGS7	0.0072
2	18512168	18552016	5	11		0.0072
2	19809895	19832145	9	4		0.0095
2	23512565	23535429	4	6	KLHL29	0.0243
2	40203135	40231274	4	9	SLC8A1	0.0227
2	41927142	41958171	4	9		0.0240
2	52116162	52119167	5	4		0.0169
2	59959186	59981948	4	4		0.0282
2	60009197	60034167	4	4		0.0282
2	60056121	60074321	5	5		0.0142
2	65611155	65637534	4	4		0.0282
2	102465003	102470720	7	6	SLC9A4	0.0072
2	102531561	102549119	4	6		0.0227
2	153589361	153606718	5	4		0.0183
2	180157402	180173092	7	6	ZNF385B	0.0084
2	205024284	205030863	5	4		0.0169
2	205043875	205056347	4	5		0.0223
2	205764143	205772717	4	4	PARD3B	0.0229
2	213230739	213253635	4	7		0.0236
3	342757	362699	5	4	CHL1	0.0183
3	3314720	3330967	10	9		0.0034
3	4703008	4726802	4	6	ITPR1	0.0243
3	8311105	8341118	7	6		0.0098
3	25352331	25371869	6	4		0.0144
3	45346691	45365948	5	4		0.0183
3	59953952	60014051	4	21	FHIT	0.0050
3	125407985	125429920	5	7	KALRN	0.0100
3	133258006	133274794	4	4		0.0248
3	141263730	141276065	5	7	CLSTN2	0.0086
3	144384755	144408513	7	11	PBX2P1	0.0040
3	147137838	147147943	4	4		0.0248
3	188867480	188880377	6	5	SST	0.0119
4	62981022	63014022	11	8		0.0039
4	96335801	96348982	7	6	UNC5C	0.0082
4	183366064	183388602	5	5		0.0151
5	3125862	3150123	6	6		0.0142
5	7591237	7618466	8	7	ADCY2	0.0064
5	31125851	31142561	7	4		0.0126
5	62256957	62281661	6	4		0.0158
5	65207338	65234468	12	6		0.0038
5	91916876	91937276	5	6		0.0121
5	92251888	92266636	4	4		0.0248
5	122557150	122592530	5	7		0.0116
5	123654964	123666386	4	4		0.0248
5	141840281	141860047	4	5		0.0236
5	146670562	146709155	8	5	STK32A	0.0100

5	146736071	146771949	5	6	DPYSL3	0.0140
5	157948815	157985228	7	4		0.0130
5	160128669	160151601	11	6	ATP10B	0.0049
6	687311	700033	4	4		0.0248
6	804115	831884	4	6		0.0245
6	2734370	2755888	4	4	WRNIP1	0.0282
6	4663878	4676575	5	6	CDYL	0.0106
6	23883209	23906003	8	5		0.0088
6	37616607	37635955	4	5	FLJ45825	0.0236
6	39200945	39214254	7	5		0.0100
6	117353122	117403717	4	19	RFXDC1	0.0030
6	119898516	119914369	4	7		0.0222
6	162655871	162660096	4	6	PARK2	0.0201
7	9177036	9190246	4	7		0.0205
7	13284537	13295146	5	4		0.0177
7	15445209	15469838	9	4	TMEM195	0.0095
7	19339741	19366356	4	10		0.0223
7	28655263	28671580	4	5	CREB5	0.0236
7	32173701	32195183	4	4		0.0282
7	35470724	35503030	5	6		0.0134
7	38064580	38078323	4	4		0.0248
7	42467012	42491390	4	8		0.0232
7	46759527	46782062	8	5		0.0088
7	46905831	46937852	10	6		0.0054
7	54893891	54918376	5	5		0.0151
7	77135477	77152754	4	7		0.0222
7	111888889	111896959	4	5	IFRD1	0.0214
7	140653479	140663829	5	5		0.0136
8	3056359	3094761	11	12	CSMD1	0.0019
8	4786983	4811413	5	5	CSMD1	0.0151
8	6238342	6274083	4	7	MCPH1	0.0281
8	15283611	15322656	9	8		0.0050
8	15692048	15713201	4	5		0.0251
8	18393182	18423793	4	6		0.0262
8	21493077	21505860	4	7		0.0205
8	32199213	32226575	9	4	NRG1	0.0098
8	54269163	54299512	5	4		0.0216
8	56198701	56221035	5	4	XKR4	0.0200
8	115903803	115922272	6	5		0.0117
8	129235452	129267085	5	5		0.0165
8	131870682	131915474	11	6	ADCY8	0.0055
8	132476142	132507111	8	5		0.0108
8	135691115	135715753	9	6	ZFAT1	0.0059
9	4010629	4025710	5	5	GLIS3	0.0142
9	8164345	8188199	8	4		0.0111
9	16733441	16743455	7	5	BNC2	0.0087
9	82292729	82324088	6	6		0.0111
9	98548498	98565308	10	5	ZNF510	0.0057
9	105667384	105678132	5	5		0.0136
9	109401821	109408916	5	6		0.0104
9	117343285	117355509	4	4		0.0248
9	121554837	121570015	4	4		0.0248
10	2326924	2339357	4	4		0.0248
10	4335886	4351265	6	5		0.0117

10	17037713	17086575	7	11	CUBN	0.0050
10	24820930	24847103	4	6	KIAA1217	0.0245
10	25794787	25824558	6	5	GPR158	0.0128
10	36514828	36526506	4	4		0.0248
10	54320949	54350408	4	4		0.0282
10	72016066	72025812	4	4	PRF1	0.0229
10	80586387	80607803	5	4		0.0200
10	89418974	89472813	16	7	PAPSS2	0.0040
10	97313525	97362549	10	11	ALDH18A1, SORBS1	0.0030
10	100128973	100149126	7	5	C10orf33	0.0097
10	106028196	106081085	4	13	KIAA1754	0.0065
10	118416353	118480052	16	10	C10orf82, HSPA12A	0.0020
11	1576943	1607115	8	5	KRTAP5-3, KRTAP5-5	0.0108
11	11122049	11147986	5	7		0.0100
11	11346019	11359653	4	6	GALNTL4	0.0211
11	35319654	35343994	5	8	SLC1A2	0.0093
11	36686399	36707703	7	6		0.0079
11	57549133	57568460	8	5	OR6Q1, VN2R9P	0.0087
11	78889654	78910751	5	4		0.0200
11	87925679	87929030	6	4	GRM5	0.0127
11	88095026	88111682	4	5	GRM5	0.0236
11	88183404	88207021	4	7	GRM5	0.0236
11	90003835	90024933	5	4		0.0200
11	117507582	117535296	9	4	SCN2B, SCN4B	0.0098
11	120201507	120227667	6	4	GRIK4	0.0163
12	5954452	5975760	4	5	VWF	0.0251
12	28063014	28074553	12	5		0.0033
12	53644958	53704649	26	7	KIAA0748	0.0005
12	80315592	80341556	6	4	PPFIA2	0.0163
12	102769996	102815351	22	6		0.0006
12	114214545	114265105	6	7		0.0075
12	114523726	114549440	11	5		0.0056
12	127467828	127500575	4	9		0.0240
12	128793865	128819117	13	4	TMEM132D	0.0048
13	21194721	21221683	8	4		0.0123
13	25981865	25995235	4	4		0.0248
13	27864067	27892655	10	4	FLT1	0.0080
13	30208972	30225032	9	4	ALOX5AP	0.0089
13	60305634	60313485	5	5		0.0131
13	64463933	64482043	6	6		0.0093
13	84440888	84464746	11	4		0.0069
13	92898354	92910211	4	4	GPC6	0.0248
14	21389400	21423943	13	5	TRAV12-1,TRAV13-1,TRAV8-3,TRA@	0.0040
14	33309047	33322858	5	4	NPAS3	0.0177
14	57540518	57563968	6	5	C14orf37	0.0149
14	60991294	61031660	10	13	PRKCH	0.0028
14	68068686	68082222	5	4	RAD51L1	0.0177
14	96487821	96499623	5	4		0.0177
15	28063745	28078024	6	4		0.0142
15	52142632	52164106	8	4	UNC13C	0.0111
15	77684874	77701881	5	4		0.0183
15	90348062	90370961	8	6	SLCO3A1	0.0070
16	6285925	6343776	15	4	A2BP1	0.0070

16	6604055	6622204	5	4	A2BP1	0.0183
16	6695415	6722737	4	6	A2BP1	0.0245
16	7640614	7673810	6	6	A2BP1	0.0111
16	56783625	56821913	9	8		0.0050
16	63678539	63699968	4	4	CDH11	0.0282
16	70869327	70887011	4	5		0.0236
16	76412206	76453522	5	8	KIAA1576	0.0108
16	77411027	77444363	16	4	WVOX	0.0031
16	78144242	78168710	4	7		0.0236
16	79127742	79144221	8	5	DYNLRB2	0.0087
16	79953788	79990571	4	7		0.0281
16	81258834	81284585	8	7	CDH13	0.0064
16	81364154	81394958	13	5	CDH13	0.0040
16	81820098	81868770	4	16	CDH13	0.0050
16	84693857	84711479	4	4		0.0248
16	84943714	84996559	11	10		0.0030
17	3154169	3161719	10	4	OR3A4	0.0062
17	9910218	9948656	4	5	GAS7	0.0307
17	11199762	11216770	5	6	FLJ45455	0.0114
17	14264098	14290428	4	5		0.0254
17	36844906	36884548	7	16	KRT32, KRT38	0.0025
18	652370	674766	8	4	ENOSF1, TYMS	0.0111
18	3209215	3219023	7	4	MYOM1	0.0105
18	5950673	5966903	4	5	L3MBTL4	0.0236
18	31933579	31955587	8	4	ELP2, SLC39A6	0.0111
18	51199883	51218182	8	4	TCF4	0.0104
18	72289304	72313005	4	4	ZNF516	0.0282
18	74013910	74023976	5	4		0.0177
19	6926998	6933336	4	5	EMR4	0.0214
20	8063957	8098408	6	4	PLCB1	0.0174
20	9573787	9597288	10	4	PAK7	0.0075
20	12924151	12938482	8	4	SPTLC3	0.0101
20	15409635	15424726	7	4	MACROD2	0.0126
20	16679408	16695738	4	5	OTOR	0.0236
20	17421671	17446930	10	5	BFSP1, RPS27AP2	0.0062
20	40034283	40045102	5	4		0.0177
20	52138031	52170007	8	4		0.0131
21	24988736	25031874	9	5		0.0117
22	24957142	25011209	7	13	SEZ6L	0.0045
22	25094638	25131527	7	4		0.0130
22	31884373	31896587	4	5		0.0223
22	32912694	32943347	9	5		0.0083
22	43494161	43512004	6	4	PRR5	0.0144
22	48459258	48481837	4	4		0.0282

Table S3: v1.0 SNPs. Columns list rs SNP designator, chromosome, basepair, allele associated with abstinence, and weight for the SNP in contributing to the v1.0 score.

<i>rs</i>	<i>chr</i>	<i>bp</i>	<i>quit allele</i>	<i>weight</i>
rs2281173	1	1678052	G	0.01368
rs41477744	1	2319424	A	0.00449
rs7525173	1	2986056	G	0.00328
rs17398063	1	3162562	A	0.00143
rs1181889	1	3660887	G	0.01408
rs3856168	1	4016464	G	0.00059
rs7529853	1	4032742	G	0.00759
rs12042555	1	4358909	T	0.01567
rs1870506	1	4360565	G	0.00057
rs4654433	1	4381492	T	0.01075
rs4654606	1	4758268	G	0.00368
rs11805663	1	4806218	A	0.00234
rs2169089	1	4988477	C	0.01275
rs6681359	1	5100592	T	0.00333
rs4076635	1	5130606	A	0.00574
rs648378	1	5225784	G	0.00619
rs11576458	1	5398168	C	0.00619
rs11576460	1	5398185	C	0.00203
rs1695629	1	5640603	C	0.00648
rs1695628	1	5641161	A	0.01016
rs811284	1	5662225	T	0.00457
rs17429690	1	5736722	G	0.00285
rs4845825	1	5827331	C	0.01516
rs1476047	1	7234759	C	0.00013
rs11120894	1	7263431	G	0.01447
rs1309332	1	7475048	G	0.00449
rs226473	1	7931555	G	0.01380
rs225100	1	7989501	T	0.00188
rs12136685	1	8114379	C	0.00783
rs6701941	1	8191302	G	0.01088
rs11121182	1	8445140	T	0.00107
rs10864363	1	8689898	T	0.00273
rs4908526	1	9025544	G	0.00289
rs17377597	1	9304069	G	0.01208
rs1294055	1	9304621	A	0.00697
rs564709	1	9304872	C	0.01065
rs926247	1	9316595	G	0.00806
rs2890358	1	9950127	A	0.01006

rs11121543	1	10326770	A	0.00115
rs11121594	1	10549509	G	0.01454
rs6687502	1	10555860	G	0.01521
rs539790	1	10810510	A	0.01080
rs1057079	1	11127645	A	0.00050
rs2379161	1	11442367	T	0.00436
rs198404	1	11819414	A	0.01213
rs3766735	1	12117332	A	0.00397
rs17423806	1	12363507	A	0.00956
rs3000873	1	12692907	T	0.01227
rs3856278	1	13732157	G	0.00038
rs2990672	1	13791216	G	0.01527
rs1772635	1	13820812	A	0.01612
rs17390405	1	13821674	T	0.00511
rs7545744	1	14361606	A	0.01574
rs6692603	1	14367357	T	0.00687
rs10489144	1	14367590	C	0.01018
rs10489143	1	14368482	C	0.00197
rs12145446	1	14790404	G	0.01341
rs1543362	1	14791672	C	0.00331
rs2486778	1	14793530	C	0.00815
rs6690379	1	14834248	A	0.00629
rs1965402	1	15190986	T	0.00927
rs529587	1	15302815	G	0.01509
rs7539166	1	15368492	C	0.01170
rs10927744	1	15439286	A	0.00715
rs2020902	1	15706947	T	0.00618
rs6429753	1	15773124	A	7.09600
rs6696286	1	15841357	C	0.01226
rs12082523	1	15878379	G	8.20600
rs10887994	1	17244342	G	0.00513
rs7536679	1	17247250	G	0.00974
rs7545518	1	17247329	G	0.01214
rs2295053	1	17273681	C	0.00959
rs1408953	1	17751206	A	0.00272
rs11203233	1	18113284	T	0.00254
rs2355459	1	18222351	T	0.00473
rs12724674	1	18304088	T	0.01459
rs10907298	1	18436270	C	0.00964
rs1414642	1	18660033	A	0.00248
rs2745318	1	18768431	C	0.00620
rs4076925	1	18985613	C	0.01623
rs4911974	1	19315095	C	0.01592
rs6662273	1	19613410	A	0.00951

rs3929668	1	19924960	A	0.00164
rs6426624	1	20445225	T	0.00968
rs12741740	1	20671182	T	0.00636
rs1253885	1	20759354	G	0.00106
rs535696	1	20893785	C	0.01650
rs6702859	1	20904570	C	0.01409
rs875015	1	20906226	G	0.00870
rs6426645	1	20907736	T	0.01070
rs637990	1	20920203	A	0.00165
rs12123092	1	20939588	A	0.00982
rs1021077	1	20978603	G	0.00762
rs3856173	1	20987420	T	0.01037
rs4654874	1	21029254	T	0.00305
rs4654887	1	21107510	A	0.01357
rs6700718	1	21171950	A	0.01238
rs6659152	1	21228428	G	0.00220
rs1354792	1	21264462	C	0.01048
rs4654899	1	21282818	T	0.00528
rs12402486	1	21320522	A	0.00794
rs6702110	1	21388493	G	0.00017
rs6680566	1	22101677	T	0.01070
rs4233289	1	22663042	G	0.01481
rs3754010	1	22709086	T	0.00810
rs209722	1	22716015	T	0.01651
rs209705	1	22807231	A	0.00457
rs12722729	1	22854653	A	0.00429
rs6424106	1	24771040	G	0.00025
rs6687818	1	24774585	A	0.00699
rs9328948	1	24790043	C	0.01255
rs3131502	1	24939035	G	0.00805
rs1890449	1	24948388	G	0.00484
rs2744785	1	25904621	C	0.00587
rs807262	1	25953638	A	0.00282
rs11805628	1	27257576	G	0.00749
rs2808419	1	27892967	G	0.00385
rs1474908	1	28085800	C	0.00009
rs4908393	1	28423035	A	0.01124
rs9508	1	28436866	G	0.00703
rs576550	1	28439195	A	0.01659
rs2319403	1	29493343	C	0.00258
rs1062921	1	29525262	T	0.01438
rs4078312	1	29688232	A	0.00117
rs12141268	1	29948179	G	0.01536
rs6691847	1	30038239	T	0.00410

rs10798897	1	30091340	A	0.00943
rs267665	1	30318309	G	0.01207
rs1321117	1	30400206	T	0.01223
rs976190	1	30435437	G	0.00492
rs10915041	1	30438106	C	0.01439
rs941518	1	30445358	C	0.00030
rs657200	1	30600394	A	0.01145
rs1188418	1	30917979	C	0.01108
rs10798817	1	31236168	T	0.01366
rs10914267	1	31341380	G	0.00553
rs695161	1	32516453	C	0.01260
rs9425886	1	32804999	C	0.01442
rs10914683	1	33562225	T	0.01314
rs7512470	1	33568816	C	0.00297
rs10914731	1	33707411	A	0.00597
rs9943259	1	33732649	A	0.00283
rs2641953	1	33773922	G	0.00378
rs1690551	1	33808148	C	0.01306
rs618915	1	33883684	T	0.00913
rs12410640	1	34464326	G	0.00999
rs10914890	1	34478745	T	0.00231
rs10799034	1	34506613	A	0.01539
rs771396	1	34506764	G	0.01655
rs7524118	1	34508639	T	0.01598
rs1361670	1	34510599	T	0.01495
rs880017	1	34514192	A	0.01456
rs6425886	1	34514539	T	0.01462
rs979336	1	34514843	A	0.01667
rs1342153	1	34515663	T	0.01396
rs9661105	1	34521341	C	0.01621
rs11811387	1	36689888	T	0.01210
rs2180133	1	36791227	T	0.00621
rs507460	1	37265793	G	0.00927
rs218427	1	37419327	T	0.01660
rs4653300	1	37796641	G	0.00061
rs4970570	1	38397365	T	0.01180
rs1809329	1	38397962	A	0.00482
rs6683126	1	38453613	A	0.01205
rs16825491	1	39002571	C	0.01016
rs2296456	1	39111843	G	0.00818
rs364716	1	39332697	G	0.00589
rs4660603	1	39508921	C	0.00393
rs41373150	1	39632487	G	0.00682
rs704771	1	39933600	T	0.00158

rs914961	1	40015032	T	0.00638
rs1974206	1	40081505	C	0.00703
rs927961	1	41018888	C	0.00728
rs4660527	1	41594366	G	0.00852
rs7519983	1	41855956	C	0.00291
rs11210537	1	42118310	A	0.00640
rs642112	1	42225904	C	0.00528
rs10890176	1	42276537	A	0.00741
rs17377240	1	42496837	G	0.00168
rs16829690	1	42793281	C	0.00138
rs323720	1	43043620	A	0.01476
rs9326136	1	44162979	A	0.00679
rs12561948	1	44168783	A	0.00928
rs2486013	1	44192835	T	0.00083
rs7412307	1	44206451	G	0.00559
rs270724	1	44763865	G	0.01596
rs12749130	1	45220386	C	0.00116
rs2997465	1	45414041	A	0.00936
rs785495	1	46360474	G	0.00340
rs3855959	1	46406461	T	0.00517
rs956527	1	46828579	C	0.00113
rs611468	1	46897066	A	0.00010
rs2065996	1	47047828	T	0.00633
rs4926559	1	47744233	G	0.00219
rs11211546	1	47764798	C	0.00963
rs623229	1	47799654	A	0.00437
rs4927198	1	48135868	C	0.00515
rs17104537	1	48819755	A	0.00012
rs320017	1	48847582	T	0.00117
rs319999	1	48896294	G	0.00412
rs10788896	1	49089826	A	0.01146
rs4926853	1	50481809	A	0.00246
rs3789586	1	50826910	A	0.00394
rs12083078	1	50839538	A	0.01626
rs2244262	1	52149357	C	0.01534
rs10493166	1	52669983	A	0.00667
rs17108402	1	53618841	C	0.01152
rs9700109	1	53781964	A	0.01472
rs11206279	1	54291746	C	0.00893
rs4927088	1	54547791	C	0.00962
rs11206329	1	54550150	T	0.01115
rs2289015	1	54847650	C	0.00617
rs9332417	1	54891877	G	0.00063
rs598130	1	54910882	A	0.01237

rs498831	1	54916688	G	17.06800
rs17575462	1	55077424	G	0.00922
rs2495505	1	55257398	A	0.00710
rs11206510	1	55268627	A	0.01615
rs11206601	1	55704335	G	0.01019
rs874664	1	55705932	C	0.01579
rs1392128	1	55839140	C	0.01073
rs1039296	1	55876247	T	0.00447
rs12124393	1	55885953	A	0.00984
rs2767515	1	55938330	G	0.00554
rs2767499	1	55973612	C	0.00081
rs4927271	1	56091975	C	0.01056
rs12029607	1	56218693	G	0.00829
rs12070360	1	56534979	A	0.00592
rs635833	1	57150398	C	0.00476
rs17115362	1	57444736	G	0.01299
rs2805860	1	57800162	C	0.01114
rs947242	1	57815437	C	0.00476
rs3131734	1	57981808	T	0.01108
rs3131745	1	58011280	C	0.00727
rs17519861	1	58110103	C	0.00714
rs1187994	1	58225892	C	0.00103
rs1187988	1	58238604	T	0.00438
rs12028704	1	58250950	T	0.00335
rs11207153	1	58254617	G	0.01085
rs1342876	1	58351200	C	0.00770
rs1953811	1	58426951	T	0.00291
rs4567304	1	58592505	A	0.00722
rs17496545	1	58599898	G	0.01536
rs697585	1	58658783	C	0.01109
rs706430	1	58675926	T	0.01611
rs706450	1	58688212	G	0.00528
rs17117850	1	58820094	A	0.00185
rs12030196	1	59255908	A	0.01381
rs6587854	1	59668122	A	0.00438
rs10493267	1	59831294	A	0.01544
rs10489421	1	60057975	G	0.00743
rs11572293	1	60142349	G	0.00520
rs12043321	1	60901183	G	0.01145
rs334728	1	61381595	G	0.00170
rs7553245	1	62116567	T	0.00442
rs12759978	1	62418770	G	0.01144
rs6680953	1	62471657	C	0.01057
rs6662848	1	63219665	A	0.00112

rs1498936	1	63347843	A	0.01523
rs11589776	1	63516591	A	0.00077
rs10789136	1	63602934	C	0.00650
rs2036867	1	63679468	T	19.69600
rs12078371	1	63755548	C	0.00181
rs2269239	1	63881947	C	0.00693
rs11208264	1	63897660	G	0.00309
rs2013012	1	63900797	A	0.00472
rs6678106	1	63932834	G	0.01245
rs4915919	1	63967631	G	0.00793
rs285393	1	64245244	G	0.00380
rs285400	1	64250080	G	0.00469
rs834489	1	64260828	T	0.00370
rs1073712	1	64332677	A	0.00054
rs305565	1	64737146	C	0.00701
rs310196	1	65124210	G	0.01098
rs7553101	1	65192778	G	0.00816
rs4916031	1	65454131	T	0.00702
rs6677191	1	65461049	T	0.00802
rs11208615	1	65490298	C	0.00200
rs3790432	1	65808327	T	0.01626
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rs11208724	1	65951791	T	0.00337
rs2503197	1	66217237	C	0.01638
rs1317611	1	66224365	G	0.00596
rs2186122	1	66242794	T	0.00141
rs2489907	1	66246509	T	0.00987
rs4655605	1	66551081	T	0.00384
rs783051	1	66621998	A	0.01255
rs11208943	1	66915263	G	0.00323
rs12082503	1	67262097	A	0.00986
rs2863212	1	67457704	T	0.00910
rs4655769	1	68249566	C	0.00838
rs10789263	1	68721727	C	0.01275
rs1924529	1	68794759	A	0.01439
rs2507189	1	68823722	C	0.01219
rs2815432	1	69500552	T	0.01104
rs11209479	1	69737991	A	0.00091
rs1773337	1	69853184	G	0.00652
rs12078287	1	69869202	T	0.00479
rs11209514	1	69913646	T	0.01595
rs12133092	1	69916151	G	0.01412
rs12022970	1	69921347	T	0.00387
rs1340751	1	69946292	A	0.00755

rs17131142	1	70272500	A	0.01629
rs12025814	1	70272705	T	0.00892
rs2274913	1	70461803	G	0.01128
rs7548299	1	71190213	A	0.00951
rs2125777	1	72011020	C	0.00695
rs1491198	1	72015178	A	0.00824
rs12025922	1	72101628	T	0.00557
rs10789340	1	72712861	T	0.00101
rs17092782	1	72714547	C	0.00007
rs647478	1	73692628	G	0.01588
rs12140865	1	73705474	A	0.01463
rs6701520	1	73713306	T	0.01378
rs7534840	1	73748346	T	0.01361
rs4540593	1	73843197	A	0.00102
rs685512	1	74868620	A	0.01272
rs696667	1	74922100	A	0.01147
rs1475396	1	75014984	G	0.00547
rs10874274	1	75024722	G	0.00362
rs927904	1	75032916	G	0.01147
rs1146405	1	75068080	T	0.01541
rs10493550	1	75232921	A	0.00965
rs1251546	1	76215417	A	0.01577
rs1251513	1	76293782	C	0.01238
rs3011997	1	76399642	A	0.00293
rs10782606	1	76453810	G	0.00557
rs11162132	1	76605696	G	0.01400
rs10873889	1	76734548	T	0.01228
rs425149	1	76770433	A	0.00510
rs962667	1	76990046	C	0.01544
rs12126117	1	77512410	G	0.00508
rs2647517	1	77663242	T	0.00044
rs17101082	1	78173795	A	0.00460
rs12731181	1	78775177	G	0.00168
rs1333978	1	78820018	T	0.00009
rs12143872	1	79355195	C	0.00595
rs12751985	1	79778531	A	0.00680
rs2374186	1	79849115	A	0.00150
rs6672282	1	79972153	T	0.00401
rs1325200	1	80190582	G	0.00014
rs981126	1	80304382	T	0.00096
rs35020936	1	80577091	T	0.00434
rs2997195	1	80611468	A	0.00174
rs1365752	1	80629549	A	0.00761
rs11163047	1	80780548	G	0.00113

rs2105126	1	80982713	G	0.00590
rs2147084	1	81031531	C	0.01168
rs17105708	1	81165299	T	0.00904
rs17456431	1	81859331	C	0.00831
rs11163376	1	82026944	G	0.00633
rs927902	1	82761041	C	0.00484
rs10493720	1	82851559	G	0.01317
rs319671	1	82910287	T	0.00610
rs323972	1	83308402	G	0.00432
rs10874393	1	83798720	T	0.01210
rs6704084	1	83807136	T	0.00783
rs11163794	1	83883604	C	0.00657
rs6676587	1	84049017	T	0.00213
rs626376	1	84288631	T	0.00506
rs315537	1	84591181	A	0.00707
rs4907110	1	85143853	T	0.00533
rs10782539	1	85319858	G	0.01091
rs9803850	1	85843032	C	0.00228
rs10493773	1	85898341	C	0.00214
rs12143304	1	86278343	G	0.01173
rs7550571	1	86350458	A	0.00413
rs985616	1	86412217	T	0.00020
rs12755828	1	86556035	C	0.00251
rs692739	1	86930717	G	0.00347
rs2390220	1	87227506	G	0.00763
rs6675309	1	87397317	G	0.00161
rs1888337	1	87542558	T	0.01034
rs4655952	1	87549430	A	0.00038
rs4655959	1	87661388	A	0.01090
rs6692873	1	88533008	A	0.01457
rs306336	1	88745467	A	0.01517
rs11590752	1	88841271	G	0.00029
rs430600	1	88998564	A	0.00802
rs12405169	1	89088833	G	0.01587
rs10922504	1	89134355	G	0.00106
rs1325922	1	89200041	G	0.00047
rs6667970	1	89429449	C	0.01043
rs17491902	1	89788753	A	0.01666
rs10922700	1	89925873	G	0.00183
rs12142526	1	90177778	A	0.01439
rs2802019	1	90224707	G	0.00515
rs2490113	1	90228685	C	0.01390
rs1775585	1	91031704	G	0.00851
rs10493841	1	91048019	G	0.00983

rs10922929	1	91051894	G	0.01511
rs1725430	1	91052106	T	0.00904
rs12567930	1	91573534	G	0.01492
rs12031457	1	91709536	C	0.01175
rs41436349	1	91799747	C	0.00014
rs284164	1	92041655	T	0.01015
rs11165840	1	92173025	A	0.00604
rs766665	1	92191962	C	0.01542
rs12090761	1	92664188	A	0.01036
rs6687359	1	93532515	G	0.00140
rs4847409	1	93568520	G	0.01122
rs4075523	1	93991061	C	0.01157
rs4240956	1	93996357	A	0.00548
rs7515462	1	94000572	G	0.01260
rs2391313	1	94014144	A	0.01312
rs1004197	1	94022128	C	0.00807
rs6692717	1	94055681	C	0.01209
rs41351346	1	94218381	A	0.01419
rs3789391	1	94251926	T	0.01465
rs1749541	1	94730966	T	0.01568
rs7555399	1	94762365	T	0.00467
rs1760512	1	94984405	G	0.00789
rs12048606	1	95065079	C	0.00803
rs10489810	1	95102023	T	0.01607
rs859047	1	95150991	G	0.00898
rs7512953	1	95326882	A	0.00075
rs11165314	1	95362975	A	0.01586
rs2039613	1	95462704	T	0.00192
rs945826	1	95756744	C	0.00406
rs10489562	1	95831138	G	0.01581
rs1509173	1	95848258	A	0.01362
rs621485	1	95860780	T	0.01417
rs12405938	1	96158814	A	0.00221
rs1146530	1	96265077	G	0.00415
rs2391735	1	96377557	T	0.00451
rs12564030	1	96475283	T	0.00876
rs1994375	1	96486632	G	0.00105
rs2391782	1	96999263	A	0.01437
rs635578	1	97077159	A	0.00799
rs11165874	1	97680832	G	0.00881
rs3956688	1	97777306	C	0.01063
rs7535694	1	97863533	C	0.00873
rs17383059	1	98648030	G	0.01106
rs11166018	1	98695503	C	0.00889

rs4950128	1	98699702	G	0.00331
rs11801576	1	99197962	A	0.00849
rs302756	1	99382703	A	0.01384
rs302765	1	99390673	C	0.00581
rs668206	1	99416551	C	0.01247
rs17120121	1	99475924	G	0.01332
rs819908	1	99535247	T	0.00851
rs2392028	1	99620365	A	0.00186
rs7529598	1	99871758	G	0.01549
rs10875240	1	99872120	G	0.01600
rs1890410	1	99923412	G	0.00921
rs12141159	1	99950114	C	0.01641
rs1565744	1	100050187	A	0.00257
rs2307130	1	100089177	C	0.01203
rs11166407	1	100410296	T	0.00978
rs6577171	1	100659558	T	0.01382
rs7548917	1	101011964	T	0.01250
rs7545402	1	101093664	C	0.00223
rs17124135	1	101542689	T	0.00061
rs12072589	1	101847063	A	0.00559
rs6663652	1	101917302	C	0.00449
rs2039942	1	102070334	A	0.01132
rs17125608	1	102099731	A	0.00350
rs7515984	1	102167808	G	0.01505
rs755181	1	102176835	G	0.01003
rs7512461	1	102181350	A	0.01624
rs11583344	1	102184466	G	0.01651
rs10493978	1	102351895	T	0.00958
rs11164392	1	102356421	A	0.01581
rs1272970	1	102602312	G	0.01548
rs1823549	1	102920419	A	0.00780
rs1451031	1	102967249	A	0.00079
rs12116936	1	104439177	T	0.01194
rs10736036	1	104981896	T	0.00122
rs12039389	1	105460596	G	0.00417
rs12066081	1	106437715	A	0.00149
rs4417097	1	106601576	G	0.00970
rs17492224	1	107115601	G	0.00486
rs4430358	1	107564907	C	0.01142
rs11577034	1	107733070	A	0.00021
rs4914953	1	107985947	G	0.00532
rs6583040	1	108011685	A	0.00503
rs6696531	1	108291231	A	0.00430
rs695030	1	108444334	A	0.00483

rs11185282	1	108483005	A	0.00018
rs9440550	1	109194424	G	0.00282
rs17014528	1	109539325	A	0.00509
rs6663547	1	109915752	C	0.00384
rs6695237	1	110217149	G	0.00377
rs12036949	1	110217322	G	0.01424
rs7522621	1	110218390	G	0.01320
rs7367132	1	110230637	G	0.00056
rs4838929	1	110502060	G	0.00848
rs3849180	1	110621941	T	0.00629
rs7554231	1	110872283	G	0.01327
rs17631306	1	110873845	G	0.00873
rs7522527	1	110903190	A	0.00022
rs11102162	1	111133718	G	0.01259
rs1043096	1	111483830	G	0.00324
rs623775	1	111549651	A	0.01114
rs3934922	1	111586917	G	0.01034
rs10857870	1	111630743	C	0.00673
rs4839127	1	111707682	C	0.01644
rs1264913	1	111776458	G	0.01604
rs10857892	1	111864525	T	0.01221
rs2477425	1	111954125	G	0.01269
rs1324889	1	111985163	G	0.01266
rs4839171	1	112170877	T	0.01116
rs12129789	1	112180549	T	0.01171
rs4839202	1	112388477	G	0.01620
rs269080	1	112399680	A	0.00144
rs17740750	1	112405977	T	0.01599
rs370258	1	112410575	T	0.01666
rs7531453	1	112427091	G	0.01638
rs269097	1	112436461	A	0.01381
rs1992509	1	112524987	G	0.00854
rs1416203	1	112563816	A	0.00464
rs2998359	1	112582141	G	0.01137
rs1371690	1	112583351	G	0.00166
rs12097373	1	113187470	T	0.00859
rs17013326	1	113890839	T	0.01124
rs1217226	1	113941445	G	0.00844
rs1230649	1	114045700	C	0.01113
rs41534747	1	114088209	G	0.00664
rs1217396	1	114139759	G	0.01237
rs2488457	1	114216891	C	0.01422
rs1065634	1	115061291	T	0.01501
rs2798659	1	115157486	C	0.00720

rs6537850	1	115403642	A	0.00047
rs10858063	1	115407659	T	0.00312
rs10218480	1	115468201	C	0.00488
rs10924103	1	116838074	G	0.01382
rs497573	1	117073135	G	0.00888
rs2306444	1	117786299	T	0.00181
rs10923312	1	117819157	A	0.00359
rs12116827	1	118234461	G	0.00289
rs2208375	1	118269162	G	0.00133
rs12035880	1	119008658	C	0.01576
rs10923714	1	119314436	C	0.00681
rs947433	1	119562561	T	0.00531
rs838528	1	119700558	T	0.00615
rs1417610	1	119779284	T	0.00727
rs4659177	1	119804451	T	0.00839
rs539799	1	120009995	C	0.00527
rs17024521	1	120268277	G	0.01162
rs4388643	1	144338416	G	0.00541
rs6668865	1	145134659	A	0.01310
rs2354432	1	145159853	T	0.00601
rs10900336	1	145241823	A	0.01056
rs11589438	1	145382914	A	0.00580
rs688325	1	145543907	A	0.00912
rs3820129	1	145558596	A	0.00932
rs2298161	1	148504248	A	0.00323
rs12403255	1	148927036	C	0.01548
rs11204774	1	149329581	T	0.00244
rs6704126	1	149637929	A	0.01052
rs12751531	1	149678259	C	0.00395
rs10736380	1	149695229	C	0.00973
rs3811417	1	150071531	T	0.00303
rs12123975	1	150271428	A	0.00609
rs7518654	1	150784469	C	0.00239
rs877656	1	151045441	A	0.01164
rs11205174	1	151267854	C	0.01332
rs10888528	1	151317140	A	0.00415
rs2288990	1	151584632	C	0.01599
rs6696089	1	152599494	T	0.01113
rs6694817	1	152668596	G	0.00418
rs7556449	1	152772510	C	0.01201
rs3766922	1	152843679	C	0.00786
rs1131820	1	153011476	C	0.00430
rs11264275	1	153091894	T	0.00448
rs10908448	1	153149168	G	0.01240

rs4845690	1	153153441	T	0.00298
rs4661081	1	155290916	G	0.00302
rs4661138	1	155609183	A	0.00905
rs7549840	1	155639620	C	0.00715
rs12755544	1	155819641	T	0.00382
rs12129250	1	156049275	A	0.01361
rs2765501	1	156071272	T	0.01503
rs7530662	1	156433933	G	0.01008
rs393304	1	156451439	C	0.00615
rs12405213	1	156632321	T	0.01054
rs11578937	1	156642230	A	0.00602
rs16840385	1	156845314	G	0.00543
rs12568794	1	157112723	A	0.00595
rs3768513	1	157278841	A	0.01485
rs11804578	1	157833723	T	0.00237
rs4131568	1	157988680	A	0.00978
rs4551590	1	158007641	C	0.00578
rs4656869	1	158254744	A	0.00239
rs11265354	1	158438808	G	0.00568
rs12016623	1	158731640	C	0.00150
rs7410867	1	159099423	C	0.00458
rs11587040	1	159166407	A	0.00441
rs12738660	1	159622258	C	0.00672
rs4657130	1	160230231	A	0.00496
rs12567211	1	160303147	A	0.00915
rs4657171	1	160445222	C	0.01397
rs12064639	1	160452056	C	0.00988
rs2661810	1	160543056	T	0.01394
rs469726	1	160683731	A	0.00024
rs2806423	1	160978613	T	0.01396
rs10917693	1	161412288	C	0.00695
rs10799928	1	161761408	A	0.00127
rs17386462	1	162853299	T	0.00816
rs4657374	1	163027242	A	0.01632
rs1573181	1	163225463	A	0.00337
rs1123821	1	163584942	G	0.00608
rs2194899	1	163677409	T	0.00270
rs3753898	1	163682875	G	0.00699
rs17415428	1	163771676	G	0.00443
rs9333413	1	163875924	A	0.00581
rs10918239	1	163911489	C	0.00119
rs10918318	1	164181845	G	0.00190
rs6661072	1	164224644	C	0.01198
rs11579987	1	165155988	C	0.00370

rs34925982	1	165206365	A	0.00619
rs7545911	1	165214305	T	0.01579
rs6682062	1	165216603	C	0.01282
rs6688613	1	165218493	A	0.01013
rs1327866	1	165219534	C	0.00487
rs1119091	1	165236639	T	0.01114
rs12133491	1	165323807	G	0.01329
rs10127714	1	165333233	C	0.00597
rs7412201	1	165356012	T	0.01116
rs12143783	1	165389053	A	0.01216
rs6427082	1	165562462	A	0.01214
rs10918683	1	165568622	T	2.84700
rs932396	1	165775578	C	0.00570
rs7543683	1	165808961	A	0.00240
rs16859595	1	165999608	A	0.01393
rs12059815	1	166746344	G	0.00044
rs7524938	1	167079363	G	0.00142
rs6688139	1	167457279	C	0.01663
rs6703463	1	167466049	T	0.01175
rs1856303	1	167547862	T	0.00806
rs4656724	1	168088112	G	0.01540
rs12048441	1	168433735	G	0.00563
rs926440	1	169100968	T	0.00611
rs6681815	1	169161546	A	0.00279
rs7534557	1	169766778	T	0.01183
rs7537770	1	170046962	T	0.00662
rs16843588	1	170176191	C	0.00102
rs41516352	1	170459926	C	0.01616
rs12411264	1	170460291	G	0.00051
rs4072117	1	170475494	T	0.01067
rs2213736	1	170731120	T	0.01243
rs10458360	1	170900598	C	0.00038
rs10798178	1	170943797	A	0.00854
rs859627	1	170995569	C	0.00171
rs4554754	1	171652096	C	0.01035
rs4294450	1	171656263	C	0.00118
rs10489323	1	173557189	G	0.00936
rs10912957	1	173562004	T	0.00614
rs10489322	1	173565216	A	0.00045
rs11585085	1	173596626	A	0.00391
rs4570382	1	173818063	A	0.01111
rs12065732	1	173833340	A	0.00779
rs12030347	1	173854154	G	0.00564
rs6425357	1	174004791	A	0.01644

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rs2030558	1	174156250	T	0.00027
rs7547111	1	174166516	G	0.01342
rs2502827	1	174310840	A	0.00782
rs2206503	1	174720725	G	0.00635
rs2206511	1	174784152	C	0.00819
rs6676686	1	175024712	T	0.01100
rs11587780	1	175154068	A	0.01608
rs4652245	1	175569595	G	0.01194
rs4140633	1	175571563	A	0.00787
rs3946142	1	175572481	G	0.00953
rs6658794	1	175580821	G	0.01659
rs1359939	1	176087484	A	0.01196
rs869286	1	176210435	C	0.00240
rs16852381	1	176269629	C	0.01319
rs2492279	1	176820103	A	0.00089
rs10798652	1	177328050	A	0.00053
rs6674086	1	177726177	G	0.00986
rs6674274	1	177726299	C	0.01165
rs964983	1	177763642	C	0.01072
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rs1887814	1	177818275	C	0.00212
rs4652420	1	177828766	C	0.00387
rs4652424	1	177835711	C	0.00257
rs10913878	1	177991215	C	0.00639
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rs2331886	1	178999746	A	0.00643
rs17302632	1	179306151	T	0.00798
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rs4651109	1	179836514	G	0.01595
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rs3856108	1	180322669	T	0.00690
rs10494545	1	180467282	G	0.00893
rs1936535	1	180492182	T	0.00747
rs12409524	1	180891881	G	0.01500
rs4549998	1	181562553	G	0.00921
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rs9633306	1	181904975	T	0.01632
rs12088165	1	181924722	T	0.01069
rs10911480	1	182221005	G	0.00004

rs41470944	1	182668852	G	0.00192
rs10911702	1	183539217	G	0.00917
rs41453048	1	183796340	G	0.01401
rs12408916	1	184448269	C	0.01463
rs2383529	1	184935715	G	0.00586
rs6690278	1	185212633	T	0.01429
rs10489410	1	185220818	C	0.01166
rs10911991	1	185301683	T	0.00211
rs17545182	1	185321946	A	0.01656
rs964665	1	185476575	G	0.01024
rs12740330	1	185647575	C	0.00370
rs12137534	1	185694854	G	0.00445
rs673503	1	186290345	T	0.00835
rs4651467	1	186823646	A	0.00947
rs10921118	1	187265926	T	0.00977
rs1342554	1	187447701	G	0.01014
rs499557	1	187885135	G	0.01235
rs494978	1	187927195	C	0.01487
rs4845222	1	188264362	A	0.00178
rs10800939	1	188508873	A	0.01471
rs505600	1	188547582	A	0.01543
rs814953	1	188789599	G	0.01348
rs1325220	1	188929461	T	0.00132
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rs16835692	1	191934519	T	0.01292
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rs16835697	1	191949253	C	0.01497
rs17376854	1	191951351	C	0.00462
rs7527158	1	191967952	A	0.00551
rs6673280	1	191968573	A	0.00934
rs41516151	1	192021429	C	0.01604
rs1326859	1	192070515	C	0.00369
rs16836246	1	192328689	G	0.00190
rs10754101	1	192631743	A	0.01230
rs4512625	1	192687297	T	0.00479
rs4557953	1	192979872	G	0.00360

rs4657943	1	193112639	T	0.00738
rs591575	1	193431315	A	0.01494
rs17661321	1	193528686	A	0.00696
rs3010143	1	194126300	A	0.00429
rs3008578	1	194131227	T	0.01046
rs3010149	1	194139079	A	0.01509
rs1451920	1	194141413	T	0.00086
rs3010151	1	194142828	G	0.00297
rs12135790	1	196345982	T	0.00669
rs957388	1	196569260	C	0.01040
rs1080976	1	196812175	C	0.00690
rs1322916	1	197142881	C	0.00288
rs12048004	1	197181925	A	0.00127
rs2154328	1	197209638	G	0.00596
rs2648772	1	197381370	C	0.01308
rs2737631	1	198408800	T	0.00789
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rs404339	1	199153514	G	0.01646
rs11579874	1	199186985	A	0.01188
rs3767511	1	199318822	G	0.01382
rs8158	1	199379604	C	0.00042
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rs12466	1	199464431	T	0.00670
rs16848229	1	199523996	C	0.00184
rs2268156	1	199533697	G	0.00610
rs6427908	1	199695708	C	0.01091
rs7527761	1	199726875	G	0.01098
rs2068824	1	199861288	C	0.01205
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rs16853059	1	202406807	G	0.01227
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rs11581303	1	203874776	C	0.00900
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rs823122	1	203991651	C	0.00232
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rs7546842	1	204697344	G	0.00069
rs2243173	1	205078081	A	0.00879
rs8942	1	205336542	A	0.00718
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rs11803956	1	205869644	T	0.00433
rs2235766	1	206128153	C	0.00212
rs11579772	1	206194996	G	0.00216
rs6673084	1	206310662	A	0.00088
rs1537696	1	206514383	T	0.00878
rs17012531	1	206676822	T	0.01456
rs3753606	1	208003835	C	0.01207
rs12022221	1	208112801	C	0.00159
rs182743	1	208237538	A	0.01476
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rs6679848	1	211159608	T	0.01662
rs6679938	1	211159656	T	0.01631
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rs41469046	1	212019494	G	0.01019
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rs12563397	1	212822747	C	0.00658
rs11120376	1	212931689	A	0.01369
rs6667184	1	213202375	G	0.01579

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rs1452623	1	213231930	G	0.00778
rs1377173	1	213265201	A	0.01441
rs4375232	1	213337026	T	0.01658
rs12753507	1	213446975	G	0.00960
rs946489	1	213482243	G	0.01104
rs10864169	1	213484064	A	0.00252
rs4655397	1	213484176	C	0.01081
rs41450145	1	213537855	C	0.00309
rs10494999	1	213562762	T	0.00898
rs1319603	1	213698123	C	0.00702
rs17024993	1	213863644	A	0.00241
rs6665928	1	213888054	T	0.01594
rs2797260	1	213971280	A	0.00938
rs17025421	1	214025279	A	0.00943
rs2764951	1	214173592	G	0.00646
rs503150	1	214181449	G	0.00074
rs654702	1	214184195	T	0.01582
rs531780	1	214184463	T	0.01536
rs7541086	1	214242873	A	0.00293
rs11117633	1	214859942	T	0.01186
rs12023399	1	214886050	G	0.00997
rs946472	1	215009637	G	0.00653
rs12029460	1	215131484	T	0.01174
rs1166338	1	215360953	C	0.00831
rs10863311	1	215464806	A	0.00642
rs17653435	1	215499147	C	0.00165
rs10495053	1	215538967	G	0.00476
rs2998901	1	215723760	T	0.00474
rs4634972	1	216189142	C	3.95900
rs17047350	1	216319175	A	0.00573
rs10157529	1	216330493	C	0.01520
rs259478	1	216811787	A	0.00497
rs259474	1	216826606	T	0.00668
rs17048238	1	216828304	G	0.01423
rs4846281	1	217079925	T	0.00109
rs653734	1	217087235	C	0.00450
rs17515844	1	217114604	C	0.00222
rs1598472	1	217638142	G	0.00361
rs2791561	1	217658032	C	0.00480
rs2050802	1	217714276	C	0.00106
rs1776049	1	218109946	C	0.00303
rs2647438	1	218218874	T	0.00199
rs11118490	1	218276896	T	0.00462

rs3767324	1	219021256	A	0.00698
rs11118609	1	219055113	C	0.00440
rs1993629	1	219644632	A	0.01553
rs17010134	1	219724431	T	0.01055
rs12126069	1	219947474	G	0.00401
rs11118868	1	220052795	A	0.00320
rs4846728	1	220070531	T	0.00038
rs10863665	1	220099305	A	0.01075
rs17011200	1	220258128	G	0.00230
rs4846376	1	220774015	C	0.00167
rs3008613	1	220862392	A	0.01347
rs2926160	1	221222837	G	0.00565
rs1640827	1	221378230	A	0.00338
rs4140967	1	221418246	C	0.00837
rs4653859	1	221933917	C	0.00189
rs17557525	1	221973921	G	0.01284
rs12088254	1	222033974	G	0.00862
rs6678365	1	222090357	C	0.00641
rs3738367	1	222775211	A	0.01450
rs1603918	1	222894120	T	0.00959
rs7535296	1	222897964	A	0.01273
rs1436171	1	222948451	G	0.01267
rs2897161	1	222952691	T	0.00915
rs10915699	1	222957663	T	0.00807
rs3012182	1	223018782	C	0.01430
rs16845030	1	223794151	C	0.00183
rs10915872	1	224016006	G	0.00188
rs3738043	1	224081922	C	0.00877
rs2377027	1	224487159	G	0.00472
rs10915975	1	224587815	G	0.01648
rs7524430	1	224760165	C	0.00572
rs522398	1	224838375	G	0.00565
rs1144835	1	224901837	T	0.01043
rs3768393	1	224947472	T	0.01535
rs7539151	1	225908366	C	0.00081
rs1629294	1	226482124	G	0.00759
rs2776856	1	226490418	G	0.01019
rs1757139	1	226491223	G	0.00946
rs533738	1	226525596	T	0.00553
rs7511681	1	226717483	T	0.00095
rs17353018	1	227010426	G	0.00270
rs7517398	1	227235445	G	0.00904
rs545321	1	227281341	A	0.00490
rs1358769	1	228279107	A	0.00983

rs7520640	1	228295603	G	10.23700
rs12751815	1	228309203	G	0.00644
rs7531145	1	228506644	G	0.01562
rs9431872	1	229085564	G	0.00837
rs9431649	1	229345408	G	0.00725
rs17817356	1	229986844	T	0.00268
rs9803690	1	229989968	T	0.01130
rs4658972	1	230194387	C	0.01447
rs12406771	1	230195957	A	0.01374
rs914272	1	230384738	G	0.00330
rs9727541	1	230481054	G	0.00560
rs12117428	1	230684634	C	0.01186
rs1409370	1	230686695	T	0.00570
rs12403846	1	231099306	A	0.00001
rs4649417	1	231140152	T	0.00064
rs732169	1	231211946	C	0.01456
rs6424263	1	231216893	C	0.00486
rs3766484	1	231218775	C	0.00226
rs10797601	1	231311499	G	0.01488
rs1294324	1	231495450	G	0.00215
rs12740439	1	231762017	T	0.00980
rs10737200	1	232168019	C	0.00385
rs521127	1	232419431	C	0.01567
rs480993	1	232515592	G	0.01280
rs2273875	1	232639980	C	0.00455
rs6658741	1	232780134	T	0.00200
rs7541554	1	232829888	A	0.00339
rs16832468	1	233440669	T	0.01376
rs17543709	1	233631547	T	0.00413
rs4659838	1	233631938	G	0.00957
rs2463198	1	234599870	T	0.00233
rs12411280	1	234907042	T	0.00308
rs2385494	1	234970414	T	0.00942
rs1252112	1	235181175	A	0.00820
rs41414451	1	235259959	G	0.00607
rs2490385	1	235349594	T	0.00617
rs10925451	1	235769332	C	0.00544
rs2061840	1	235790967	G	0.00111
rs3820572	1	235832280	A	0.00846
rs790892	1	236083873	C	0.01178
rs2298100	1	236114948	C	0.01033
rs7553937	1	236422804	T	0.00860
rs11807567	1	236751830	C	0.00197
rs10802704	1	236766283	G	0.00111

rs10925714	1	236850019	C	0.01533
rs16838201	1	237535179	A	0.01432
rs10925884	1	237659157	G	0.00758
rs10802776	1	237816943	T	0.00236
rs997538	1	237823815	G	0.00335
rs10754690	1	238294812	C	0.01021
rs10495460	1	238417864	G	0.00904
rs16840310	1	238760786	A	0.01225
rs527754	1	239262629	G	0.01174
rs11577475	1	239288760	A	0.00289
rs4400595	1	239442770	T	0.01235
rs4659598	1	239557424	T	0.00811
rs7512603	1	239561201	T	0.00614
rs9428505	1	239640170	A	0.01348
rs10802963	1	239640279	A	0.01334
rs4660095	1	239706677	A	0.00169
rs12737686	1	239951352	T	0.01322
rs12564134	1	240075450	C	0.00258
rs2580238	1	240628728	T	0.01007
rs2809985	1	240629344	G	0.01028
rs10926758	1	240741355	T	0.01205
rs1931054	1	240936508	T	0.00475
rs2027047	1	240977688	T	0.00308
rs7551067	1	241673202	A	0.01652
rs10927025	1	241705841	A	0.00085
rs2994339	1	241708043	G	0.01416
rs4658574	1	241717339	G	0.00828
rs484459	1	242190014	C	0.01149
rs1000451	1	242254470	G	0.01180
rs2500493	1	242320392	G	0.00171
rs10927144	1	242376403	C	0.01142
rs6429453	1	242423341	T	0.01450
rs9659003	1	242477264	A	0.01141
rs640753	1	242563962	T	0.01472
rs658757	1	242566392	G	0.00094
rs6429486	1	242813674	C	0.00189
rs4658693	1	243305965	A	0.00326
rs10924173	1	243557263	T	0.01575
rs1538961	1	243893600	C	0.00332
rs2817509	1	243991700	C	0.01454
rs10802267	1	243996723	C	0.00850
rs2362590	1	244087583	G	0.00994
rs10924366	1	244094033	G	0.00672
rs10924436	1	244225114	G	0.01462

rs6686745	1	244348150	G	0.00438
rs10924848	1	245059321	G	0.01645
rs10924850	1	245059590	G	0.00301
rs2255481	1	245263162	G	0.01341
rs1954187	1	245591586	C	0.00041
rs11802371	1	245609461	G	0.00802
rs7555997	1	245613957	A	0.00419
rs449725	2	192993	G	0.00121
rs10167992	2	253270	T	0.00824
rs4428039	2	912072	A	0.01528
rs1567919	2	1411021	T	0.00255
rs12472901	2	1627839	A	0.00273
rs13404264	2	1903673	T	0.00284
rs1991773	2	1936483	A	0.00931
rs17338428	2	2213121	G	0.00543
rs13388296	2	2286611	C	0.00140
rs10177243	2	2420158	C	0.00755
rs4853940	2	2426972	C	0.01044
rs4853937	2	2443758	G	0.00173
rs6728339	2	2474739	C	0.00555
rs17495118	2	2691627	G	0.01383
rs9309697	2	2719909	A	0.00081
rs6754030	2	3063957	A	0.00591
rs7570482	2	3088347	A	0.00323
rs2167967	2	3138767	C	0.01220
rs4854187	2	3363203	G	0.00499
rs9750132	2	3488694	T	0.00129
rs17018595	2	4120296	A	0.00354
rs12712003	2	4527222	A	0.00806
rs7580991	2	4577070	G	0.00471
rs1446146	2	4811449	A	0.00258
rs10177436	2	4903505	T	0.00200
rs41325248	2	5263872	A	0.01521
rs7425362	2	5849348	T	0.00399
rs10929889	2	5960645	G	0.01103
rs2693822	2	6083374	G	0.00954
rs1852317	2	6144872	G	0.00469
rs16865015	2	6346425	T	0.01215
rs4337447	2	6352038	T	0.00777
rs12478619	2	6648243	A	0.01451
rs6749132	2	6655887	T	0.01400
rs4669090	2	6703172	G	0.00500
rs6761066	2	6705721	A	0.00049
rs7564462	2	6712276	C	0.00240

rs307972	2	6757301	C	0.00573
rs182537	2	6775281	G	0.00365
rs379656	2	6777986	T	0.01268
rs1123341	2	6990174	T	0.00085
rs3772018	2	7015216	T	0.01060
rs771256	2	7032516	C	0.00158
rs4669123	2	7033528	A	0.00614
rs4669156	2	7268367	A	0.00671
rs10205728	2	7333712	T	0.00044
rs11682970	2	7394637	T	0.01053
rs6721439	2	7532321	C	0.01335
rs41434549	2	7808927	C	0.00485
rs3097278	2	8393065	A	0.01451
rs2655450	2	8488590	T	0.00821
rs1966049	2	8503550	C	0.00227
rs6735600	2	8514325	A	0.00993
rs7581641	2	8543557	T	0.01331
rs345905	2	8607709	G	0.00136
rs10432404	2	8688612	A	0.00359
rs11691910	2	8703783	T	0.01627
rs4669321	2	8705870	G	0.00610
rs2175334	2	9195063	C	0.00748
rs11684747	2	9614622	A	0.01014
rs12479251	2	9967149	A	0.01133
rs17364189	2	9982242	G	0.01461
rs6708630	2	10143258	A	0.00524
rs6432097	2	10513029	G	0.00608
rs2270308	2	10592822	T	0.01021
rs2952626	2	10846228	T	0.00027
rs1317768	2	10942071	G	0.00994
rs4669647	2	10981799	G	0.00451
rs10178469	2	11053254	G	0.01644
rs11677588	2	11107300	C	0.00991
rs7602665	2	11478414	G	0.01525
rs6743597	2	11479223	C	0.01128
rs6432193	2	11501448	G	0.00118
rs12052681	2	11758552	G	0.01304
rs13407481	2	11761158	C	0.01512
rs2581084	2	11986833	G	0.01117
rs17547925	2	12025884	C	0.01315
rs1595808	2	12028711	A	0.01177
rs10210269	2	12061486	G	0.01328
rs10929783	2	12118548	G	0.00570
rs11695912	2	12158473	T	0.00498

rs6720015	2	12188138	A	0.00699
rs6728621	2	12190544	A	0.00585
rs10929811	2	12512866	T	0.00540
rs10164960	2	12882610	A	0.01336
rs10929837	2	13012151	T	0.00675
rs1588477	2	13809543	G	0.01245
rs7577198	2	13853831	G	0.01607
rs16861003	2	14002922	C	0.00773
rs16861564	2	14358541	T	0.00912
rs17344070	2	14405331	T	17.83400
rs1976727	2	14475445	C	0.01572
rs9287779	2	14536142	C	0.00217
rs2571639	2	14660289	C	0.00231
rs1607445	2	14898745	G	0.01046
rs10185181	2	15111625	T	0.00993
rs12466657	2	15111754	A	0.00068
rs1430804	2	15112010	T	0.00345
rs6734918	2	15322218	G	0.00152
rs11904632	2	15323495	C	0.01252
rs6431692	2	15395815	G	0.01204
rs6723148	2	15509470	T	0.01651
rs16862882	2	15726083	G	0.00476
rs2254328	2	15948018	A	0.00765
rs746104	2	15948478	T	0.00139
rs4832592	2	16472596	A	0.00899
rs6729772	2	16519793	C	0.00069
rs12620192	2	16900801	T	0.00791
rs12472889	2	17024563	C	0.01264
rs7602480	2	17129381	C	0.00366
rs1996609	2	17518083	G	0.00150
rs300177	2	17817902	C	0.01279
rs10176010	2	17901246	T	0.00041
rs17317047	2	18198825	C	0.00228
rs16984718	2	18372735	T	0.00383
rs17752832	2	18667353	G	0.01590
rs16985416	2	18729707	A	0.00403
rs10856784	2	18998937	G	0.01150
rs12991182	2	19537355	G	0.00546
rs12472768	2	19765163	G	0.01097
rs12464329	2	19825202	G	0.01204
rs1466418	2	20138384	T	0.01336
rs10178084	2	20138874	G	0.01239
rs1032075	2	20454604	C	0.01586
rs1531851	2	20557603	T	0.00191

rs7568542	2	20582722	G	0.01197
rs921602	2	20670006	T	0.00077
rs9306894	2	20741586	G	0.00064
rs1595328	2	20772248	A	0.00048
rs581998	2	21173986	C	0.01439
rs11687710	2	21224573	A	0.00664
rs527034	2	21236291	A	0.01550
rs478442	2	21252721	A	0.01400
rs11695136	2	21382741	A	0.01062
rs432705	2	21435116	T	0.00695
rs1022376	2	21920718	G	0.00051
rs1996611	2	21970678	T	0.01529
rs10495724	2	22074711	T	0.01136
rs17043503	2	22271015	A	0.00297
rs6743484	2	22407217	A	0.00666
rs1396725	2	22466143	G	0.01347
rs17044966	2	23312818	C	0.00781
rs2577698	2	23449055	A	0.01609
rs2954818	2	23449391	G	0.01574
rs11125011	2	23464343	T	0.01566
rs6742888	2	23469562	T	6.90500
rs10169643	2	23564055	C	0.01021
rs13384463	2	23600623	T	0.00485
rs4497835	2	23613642	T	0.00536
rs4665230	2	23659591	A	0.00457
rs11125629	2	24586072	A	0.00758
rs17046446	2	24735170	A	14.66000
rs2119120	2	24767629	C	0.00385
rs934609	2	24892380	C	0.01146
rs41521945	2	25791581	A	0.00234
rs6727974	2	26378143	G	0.01464
rs1276123	2	26677750	T	0.01127
rs1275985	2	26765249	T	0.01532
rs1275986	2	26765583	T	0.01648
rs1275537	2	27294806	G	0.00592
rs7583698	2	27565912	A	0.00664
rs4666014	2	27872679	G	0.00054
rs1948922	2	28195657	A	0.01593
rs13408504	2	28211838	T	0.00842
rs11127133	2	28211983	C	0.01322
rs7608642	2	28220753	A	0.01496
rs3885975	2	29555940	G	0.01556
rs10445907	2	29580732	T	0.01384
rs10187657	2	29895721	A	0.00078

rs4473347	2	29928397	A	0.00323
rs2363078	2	30733791	A	0.01254
rs2609938	2	30758021	T	0.00069
rs17010034	2	30785891	C	0.00410
rs2593435	2	30811184	G	0.01405
rs6548031	2	30838175	A	0.01397
rs10193546	2	31168918	A	0.00320
rs12620887	2	31241433	T	0.01511
rs206817	2	31498796	C	0.00200
rs10490358	2	31935601	G	0.00339
rs17011711	2	32009898	A	0.00127
rs1028600	2	32811691	G	0.01587
rs4952312	2	32955412	A	0.01381
rs7572753	2	33241044	G	0.01383
rs41464348	2	33380803	T	0.00748
rs2034693	2	33476810	A	0.00612
rs17013337	2	33636585	T	0.00070
rs897506	2	33640016	A	0.00814
rs12465811	2	34477300	G	0.00414
rs2063403	2	36082617	C	0.01175
rs2020037	2	36127335	G	0.00184
rs305163	2	36163166	T	0.00972
rs11674150	2	36300985	T	0.00384
rs3770866	2	36543597	G	0.00295
rs848534	2	36543746	C	0.01307
rs2160334	2	36900857	A	0.00560
rs2540998	2	37108519	T	0.00788
rs6724538	2	37581522	C	0.00276
rs4430920	2	37611381	G	0.00759
rs4538180	2	37616264	T	0.00267
rs4670214	2	37858552	C	0.01661
rs7588747	2	37891324	A	0.00306
rs7604914	2	38104966	C	0.00182
rs336034	2	38116617	A	0.01319
rs7571015	2	38325002	G	0.01266
rs1027880	2	38479811	G	0.01273
rs17022684	2	38527042	C	0.01348
rs6544186	2	39079775	A	0.00246
rs7595469	2	39385585	T	0.01416
rs6727511	2	39952885	A	0.01263
rs17026012	2	40516922	T	0.01339
rs11124763	2	40891407	C	0.01243
rs6544381	2	41130008	C	0.00236
rs6750424	2	41414230	G	0.01584

rs1976556	2	41422995	G	0.00180
rs6544414	2	41468994	G	0.00043
rs13006557	2	41702339	C	0.00302
rs7603589	2	41871478	G	0.00451
rs7599972	2	41894842	T	0.00382
rs10193285	2	41896380	T	0.00157
rs12471624	2	41900097	T	0.00762
rs11689557	2	41902588	A	0.00318
rs4142227	2	41909614	G	0.01119
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rs2374382	2	42108584	A	0.00223
rs4952399	2	42142611	A	0.01549
rs13383145	2	42158635	A	0.01332
rs4408769	2	42949290	A	0.00689
rs6722743	2	42949492	T	0.01598
rs10176316	2	43052815	T	0.00999
rs4608578	2	43106353	C	0.00851
rs10205111	2	43126816	G	0.00678
rs2052923	2	43265324	C	0.00325
rs6544630	2	43277954	T	0.01058
rs1873555	2	43633169	G	0.00194
rs6731009	2	43656932	C	0.00980
rs11890152	2	43660872	G	0.01349
rs10179648	2	43661569	G	0.01235
rs4245791	2	43927935	A	0.01010
rs13008237	2	44258406	G	0.00292
rs5024499	2	44300435	A	0.01540
rs17032205	2	44510128	T	0.01651
rs17322370	2	45592549	C	0.01073
rs10427402	2	45597896	A	0.01291
rs748573	2	45623898	G	0.01174
rs656823	2	45780894	G	0.01184
rs4952771	2	45852620	C	0.01220
rs4953288	2	45979475	C	0.00750
rs2278777	2	46225158	C	0.00268
rs1530628	2	46524445	G	0.01589
rs12622818	2	46530064	C	0.01086
rs3087857	2	46999550	A	0.01274
rs6544968	2	47230176	C	0.01439
rs10153674	2	47254462	T	0.00207
rs13422681	2	47313716	A	0.00066
rs17503541	2	47661656	A	0.00064
rs874869	2	47947841	C	0.00514
rs4146603	2	48253519	C	0.00957

rs17037298	2	48445706	G	0.01286
rs1404052	2	48764516	G	0.00523
rs13427781	2	49245995	G	0.00914
rs6545137	2	50067182	A	0.00485
rs10197380	2	50561680	C	0.00420
rs1014428	2	50589711	C	0.01553
rs1919424	2	51588583	G	0.01149
rs1997160	2	52556920	G	0.00514
rs41372250	2	52585423	G	0.01434
rs350795	2	52765124	C	0.01648
rs10490580	2	52909400	G	0.01321
rs6746666	2	52942850	T	0.01031
rs1446439	2	53072707	G	0.00099
rs992874	2	53385960	G	0.01645
rs6714458	2	53473610	A	0.00488
rs6747724	2	53528203	G	0.00150
rs3213775	2	54003741	G	0.01197
rs1727522	2	54263682	A	0.00559
rs843632	2	54399097	G	0.00201
rs4261758	2	54623147	G	0.01603
rs12713265	2	54658913	C	0.00915
rs10196667	2	55036454	C	0.00277
rs2580770	2	55068416	G	0.01302
rs1133182	2	55255729	G	0.00228
rs4484068	2	55387690	C	0.01122
rs11899888	2	55956248	A	0.00491
rs13397916	2	56104751	G	0.00658
rs6749100	2	56291693	T	0.01099
rs214047	2	56344184	C	0.00130
rs10168390	2	56442719	T	0.00517
rs1465360	2	56541768	G	0.00311
rs13382678	2	56542552	A	0.01098
rs10208385	2	56631513	A	0.00138
rs1991185	2	56651833	G	0.01341
rs6741957	2	56931249	T	0.01230
rs4672171	2	56973220	G	0.01223
rs12478403	2	57151802	C	0.00243
rs2311314	2	57586041	C	0.00648
rs6545656	2	57621291	C	0.00497
rs1350691	2	57784475	T	0.00530
rs13399274	2	58376084	G	0.00453
rs4672238	2	58472642	G	0.00955
rs4672240	2	58503859	C	0.01239
rs10179027	2	58505942	T	2.63800

rs6759994	2	58517880	A	8.86200
rs1019283	2	58519124	A	0.00723
rs7419776	2	58706520	A	0.01660
rs4672251	2	58711046	C	0.01561
rs17614872	2	58767709	C	0.00031
rs4671330	2	58896351	A	0.01479
rs1990588	2	58948113	C	0.01332
rs2192692	2	58958028	T	0.01381
rs3732139	2	59006670	G	0.00074
rs1990542	2	59234260	C	0.01061
rs11679178	2	59401559	G	0.00368
rs17050481	2	59980105	A	0.00978
rs4672337	2	60070597	T	0.00977
rs887930	2	60187236	T	0.01318
rs6714188	2	60201921	G	0.00723
rs13420896	2	60204549	G	0.01578
rs13411643	2	60204636	C	0.01103
rs13427381	2	60205897	T	0.00451
rs4671378	2	60347816	C	0.00935
rs11688740	2	60391494	G	0.00451
rs888082	2	60483113	C	0.00485
rs10445937	2	60491160	G	0.00331
rs7593947	2	60558437	A	0.00626
rs2290324	2	61302280	C	0.01303
rs10518958	2	62130477	A	0.00257
rs4528740	2	62552513	G	0.00622
rs6545961	2	62667670	T	0.00540
rs6545963	2	62676395	T	0.00296
rs6752010	2	62712546	C	0.01286
rs10177638	2	62740514	C	0.00671
rs6757128	2	62745256	T	0.00452
rs11899693	2	64024923	C	0.00002
rs1529102	2	64349131	T	0.01248
rs2555445	2	64388785	A	0.00294
rs1861402	2	64733367	C	0.00181
rs2422282	2	64753358	A	0.01289
rs6736527	2	64806767	T	0.00002
rs6743585	2	65409224	G	0.00907
rs3845822	2	65937700	T	0.00400
rs1484475	2	66061623	A	0.00770
rs2971826	2	66410740	G	0.00580
rs6546227	2	66470568	T	0.01044
rs2300478	2	66634957	C	0.00200
rs17630500	2	66857427	G	0.01541

rs10519086	2	67116150	A	0.01623
rs10202108	2	67578542	C	0.01125
rs1607904	2	67611284	T	0.01075
rs6546313	2	67625132	C	0.01087
rs4591326	2	67707461	G	0.01490
rs10490726	2	67720046	T	0.00789
rs11126163	2	67941672	C	0.00137
rs872108	2	67997099	A	0.00909
rs4605401	2	68964520	G	0.00384
rs17036182	2	68965530	C	0.00857
rs4417751	2	69055398	G	0.01284
rs722265	2	69835595	T	0.01629
rs7597199	2	70195079	G	0.01307
rs4853334	2	70214454	G	0.01400
rs13394815	2	70417506	A	0.01000
rs6546602	2	70494258	A	0.00702
rs516383	2	70517615	C	0.00560
rs2461861	2	70517893	C	0.01453
rs11890652	2	70523791	A	0.01084
rs1523305	2	70552364	A	0.01570
rs11903352	2	70718658	A	0.01416
rs1859919	2	70718791	A	0.01480
rs1859920	2	70719422	A	0.01275
rs6713842	2	70725313	C	0.00539
rs2108479	2	70727597	A	0.00924
rs12617676	2	70732192	A	0.01485
rs6735921	2	70877919	T	0.00150
rs6546693	2	71534140	G	0.00052
rs13431785	2	71546325	C	0.01444
rs4536672	2	71567731	T	0.01082
rs17007070	2	71647874	G	0.00014
rs1529409	2	71684197	T	0.00490
rs908611	2	72031795	G	0.01603
rs6752766	2	72041872	C	0.01202
rs6760964	2	73240894	G	0.01469
rs7607014	2	73583682	T	0.00877
rs12713810	2	74173770	C	0.00482
rs7572066	2	74219540	G	0.01112
rs3099820	2	74267259	T	0.00074
rs9309484	2	74440319	G	0.01269
rs6723379	2	74469370	C	0.01071
rs3025979	2	74701323	T	0.01094
rs7574100	2	74844393	G	0.00934
rs6546923	2	74865835	G	0.01535

rs3821317	2	75240319	G	0.00948
rs2216104	2	75526992	C	0.01459
rs1158392	2	75564253	T	0.00679
rs10175794	2	75646134	A	0.01249
rs1049678	2	75736164	G	0.00793
rs3213670	2	75746345	T	0.00147
rs6751526	2	75974112	A	0.01499
rs373745	2	76103130	T	0.01175
rs2049548	2	76420715	C	0.00015
rs10193916	2	76612596	T	0.00162
rs1921254	2	76615993	A	0.01193
rs10195937	2	76851271	G	0.00385
rs12611712	2	77350750	T	0.00614
rs1922817	2	77566115	C	0.01064
rs1516254	2	78589291	G	0.01121
rs6739221	2	78852724	G	0.01061
rs283892	2	79203764	A	0.00354
rs12713984	2	79438511	A	0.01427
rs896372	2	79486782	T	0.01273
rs1367401	2	79719016	G	0.01592
rs713261	2	79948920	C	0.00563
rs1979515	2	80127741	C	0.00566
rs6711603	2	80429338	A	0.00907
rs13396392	2	80471916	A	0.00117
rs1434075	2	80596705	A	0.01189
rs216645	2	80679222	A	0.00868
rs4852603	2	81143795	C	0.00527
rs17020098	2	81314283	G	0.01484
rs11887827	2	81519665	T	0.00080
rs12468325	2	81544091	C	0.00091
rs17659181	2	81553048	C	0.00590
rs6715049	2	81626505	T	0.00067
rs41362844	2	81787642	T	0.00240
rs11678573	2	82056717	T	0.01048
rs1521694	2	82079119	C	0.01461
rs909045	2	82081198	A	0.01053
rs13023451	2	82237331	T	0.00089
rs7601571	2	82603966	G	0.00061
rs7558379	2	82858244	C	0.00253
rs17022516	2	82905461	G	0.00249
rs17022594	2	82922840	G	0.01587
rs2163253	2	83234615	A	0.00089
rs1947465	2	84471616	C	0.00178
rs4832126	2	84995378	C	0.01366

rs1382506	2	85001079	G	0.00555
rs17025940	2	85228793	T	0.01627
rs7574999	2	85364476	G	0.00339
rs12714139	2	85385318	A	0.00068
rs2304564	2	85706178	T	0.00051
rs1105864	2	86480775	T	0.00616
rs6749703	2	86908760	T	0.01166
rs1518713	2	87373867	A	0.01159
rs6547736	2	87533266	G	0.01359
rs2970911	2	88176939	T	0.00317
rs17037827	2	88306046	C	0.00161
rs1258410	2	88399634	G	0.01105
rs1258407	2	88400714	A	0.00994
rs6739095	2	88661179	T	0.00255
rs17838439	2	88788402	G	0.01182
rs11690687	2	97828253	C	0.00047
rs4851884	2	98162224	G	0.01354
rs1010387	2	98189693	T	0.00485
rs4851170	2	98870755	A	0.00015
rs1955393	2	99252733	A	0.00740
rs901596	2	99254889	A	0.00728
rs4850905	2	99518797	T	0.00515
rs9678859	2	99654910	T	0.00229
rs13419977	2	99760452	G	0.00226
rs6755935	2	99762971	G	0.00187
rs4449188	2	99915769	G	0.00347
rs2970990	2	100566861	A	0.01211
rs2309846	2	100567880	G	0.01389
rs2139404	2	100608026	G	0.01374
rs4851365	2	100657569	T	0.00065
rs11685537	2	102040872	T	0.01270
rs1420097	2	102375786	G	0.00753
rs4851004	2	102375969	G	0.00656
rs2287034	2	102377020	A	0.00372
rs1901480	2	103619437	G	0.00168
rs938872	2	103794391	T	0.00932
rs7572010	2	104401359	C	0.00670
rs396610	2	104770276	T	0.00379
rs4266037	2	105097181	T	0.01022
rs4271787	2	105097307	T	0.01564
rs2679882	2	105157510	C	0.00909
rs6723624	2	105163732	C	0.01087
rs10496390	2	105205223	T	0.01214
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rs873738	2	105291513	G	0.01273
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rs17031659	2	105714942	A	0.01084
rs3769499	2	105847877	T	0.00394
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rs2108208	2	106860071	G	0.00756
rs12712262	2	106882965	C	0.00943
rs6720783	2	107989754	C	0.00276
rs1563119	2	108152299	C	0.01122
rs9646947	2	108230082	A	0.01036
rs921656	2	108253437	C	0.00851
rs7565363	2	109121873	C	0.00704
rs2118828	2	110234340	G	0.00614
rs10180345	2	112457764	A	0.00621
rs11683409	2	112486605	C	0.00848
rs934748	2	113074753	A	0.00509
rs1530549	2	113533926	T	0.00626
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rs7574787	2	113553887	T	0.00400
rs4849152	2	113565045	C	0.00060
rs3748916	2	113700504	C	0.00324
rs17633451	2	114245347	A	0.01408
rs156719	2	114526503	A	0.01019
rs17048190	2	114636263	G	0.01556
rs6744934	2	114896383	G	0.01136
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rs10174913	2	116491637	C	0.00638
rs41383544	2	116711729	C	0.00919
rs12476141	2	118191287	G	0.01320
rs408507	2	118220469	A	0.01472
rs4848465	2	118228304	C	0.01544
rs7559497	2	118235289	G	0.00631
rs11675138	2	118592854	G	0.01371
rs13409573	2	118604875	A	0.00889
rs3849331	2	118624828	G	0.00820
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rs4849683	2	118663113	C	0.00520
rs17006624	2	119266362	A	0.00499
rs17006964	2	119298975	T	0.00948
rs7595954	2	119691991	C	0.00783
rs838074	2	119729734	A	0.01100
rs752185	2	119786225	T	0.01555

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rs13410508	2	120946066	A	0.00225
rs11122825	2	121308178	G	0.00302
rs1466042	2	121419389	T	0.01037
rs753727	2	121767700	A	8.73800
rs7581005	2	122198612	G	0.00192
rs10460462	2	122316276	T	0.00426
rs10460453	2	122317772	G	0.01346
rs10496583	2	122835383	A	0.01502
rs7585269	2	122979395	C	0.00565
rs2091427	2	123023527	G	0.00512
rs11122916	2	123042613	C	0.00936
rs12474979	2	123106758	G	0.00159
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rs17008553	2	123206801	C	0.00783
rs17008704	2	123272345	G	0.00105
rs17008879	2	123371606	T	0.01021
rs1850585	2	123379760	C	0.00991
rs10496603	2	123433151	C	0.00104
rs2661038	2	123557229	T	0.00797
rs13009000	2	123772494	A	0.00726
rs993934	2	123825683	C	0.00343
rs11122979	2	123890625	C	0.00373
rs11678698	2	124098180	T	0.00755
rs13020843	2	124193068	A	0.00408
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rs1587789	2	125107810	T	0.00639
rs41393446	2	125766987	T	0.01442
rs4849019	2	125997677	G	0.00147
rs1455608	2	126444744	G	0.00865
rs17013415	2	126681928	T	0.01645
rs451639	2	126711318	G	0.01375
rs11695820	2	126942871	A	0.00904
rs10173017	2	127000106	G	0.00592
rs10928980	2	127181439	G	0.00154
rs11691902	2	128290513	G	0.00402
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rs13386088	2	128745361	G	0.01259
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rs3856370	2	129284172	T	0.01445
rs17049013	2	129485802	G	0.00563
rs1519446	2	129560995	G	0.00106

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rs751070	2	129708174	T	0.00051
rs4613217	2	130033518	A	0.00918
rs11681113	2	130123690	G	0.01315
rs6430737	2	131814612	C	0.00294
rs941325	2	131874454	C	0.01359
rs6712428	2	132334259	C	0.00994
rs12618338	2	132999524	T	0.00217
rs6755486	2	133098462	C	0.01553
rs984521	2	133209220	C	0.01544
rs16842407	2	133322655	C	0.01035
rs974625	2	133362363	T	0.01641
rs6711103	2	133986047	C	0.00662
rs2043233	2	134030848	A	0.00711
rs7592519	2	134303528	C	0.00724
rs7607165	2	134307196	C	0.00542
rs7594893	2	134361815	G	0.00375
rs10928469	2	134397888	A	0.00818
rs13409218	2	134414690	G	0.01568
rs16830034	2	134554646	T	0.01137
rs6743206	2	135410007	C	0.00783
rs7577175	2	135831902	C	0.00944
rs16832138	2	136353820	C	0.01594
rs13032229	2	136865724	T	0.00678
rs16855680	2	137057240	A	0.01377
rs12691894	2	137058414	T	0.00860
rs1344712	2	137445484	C	0.00273
rs1897420	2	137473291	C	0.00455
rs6713475	2	137685986	T	0.01618
rs4610107	2	137696788	G	0.00977
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rs10211049	2	138771181	T	0.00212
rs1485055	2	139403085	G	0.00986
rs6728841	2	139451263	T	0.00747
rs17755242	2	139627873	G	0.01607
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rs16841830	2	139664403	G	0.00231
rs4954757	2	139709212	T	0.00515
rs344696	2	139842930	T	0.00869
rs7604667	2	139899653	T	0.01194
rs10200212	2	139920877	G	0.00099
rs17712931	2	139921301	A	0.01457
rs2376454	2	140141111	A	0.01314
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rs12996951	2	143975121	G	0.01388
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rs1864245	2	144494988	G	0.01073
rs1365777	2	144946327	A	0.01635
rs10196335	2	145045858	A	0.01616
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rs13406759	2	145693365	C	0.00093
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rs1023964	2	146076321	G	0.00610
rs1370521	2	146221152	T	0.01115
rs2063807	2	146404405	G	0.01344
rs10184605	2	146832784	T	0.01089
rs7425557	2	147293495	T	0.00471
rs7601098	2	148393084	C	0.00018
rs16828024	2	148393603	T	0.00079
rs16829119	2	149124709	A	0.01441
rs7591997	2	149306244	C	0.00709
rs7606125	2	149306355	T	0.01409
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rs1032034	2	149637902	T	0.01145
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rs4667337	2	150159074	G	0.00690
rs1526285	2	150216771	G	0.00404
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rs4667399	2	150313035	A	0.00615
rs9288711	2	150435612	A	0.01665
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rs41341145	2	152487598	C	0.00292
rs12467610	2	152907092	A	0.00054
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rs12470887	2	155032549	T	0.00605
rs10932484	2	155957632	A	0.00691
rs4664173	2	155963884	A	0.00564
rs7594035	2	157481345	G	0.00579
rs16841337	2	157714141	C	0.00806
rs16841926	2	158221448	C	0.00921

rs41407646	2	158901798	C	0.01529
rs10190089	2	158957987	T	0.01465
rs4664970	2	159103608	G	0.01201
rs11901072	2	160661295	T	0.00894
rs7588696	2	160772831	T	0.01010
rs1350313	2	160780790	T	0.00614
rs12998587	2	160950541	A	0.01347
rs4591356	2	161206111	C	0.00054
rs523454	2	161440327	G	0.00904
rs1267031	2	161849065	C	0.00476
rs6720056	2	161857779	A	0.00213
rs16846050	2	162271799	A	0.00748
rs4091356	2	163256031	T	0.00254
rs10178838	2	163604069	G	0.00833
rs2198225	2	164984842	A	0.01047
rs1357119	2	165121630	A	0.00785
rs355909	2	165352791	G	0.01562
rs10170193	2	165358313	A	0.00911
rs776488	2	165598979	A	0.00593
rs16850186	2	165732166	T	0.00246
rs7600082	2	165826106	T	0.00949
rs11885110	2	166132558	T	0.00457
rs490463	2	166694213	A	0.01040
rs17745411	2	166695014	C	0.00799
rs4341952	2	166728262	T	0.00561
rs2226711	2	166817960	C	0.00876
rs17581506	2	168272600	A	0.00760
rs6433027	2	168572606	A	0.01302
rs2044958	2	168928347	T	0.01529
rs2044959	2	168928396	A	0.01664
rs41342544	2	168928713	C	0.01661
rs7601307	2	169245657	A	0.01046
rs3845727	2	169358617	T	0.00372
rs16855893	2	169360893	C	0.00053
rs2389605	2	169538297	T	0.00762
rs6759156	2	169552855	T	0.00413
rs13430236	2	169589746	C	0.00598
rs6747692	2	169787791	A	0.00677
rs6717393	2	170248026	G	0.00524
rs3914752	2	170833364	A	0.01231
rs908782	2	170837608	C	0.01319
rs2118674	2	171027140	T	0.00303
rs2160231	2	171186648	C	0.00754
rs2059723	2	171539443	T	0.01354

rs6745725	2	172163179	G	0.01385
rs788164	2	172621636	G	0.00179
rs1843755	2	172723356	A	0.00680
rs2171319	2	172768668	C	0.00429
rs6707676	2	172981792	C	0.01613
rs7604728	2	173576054	G	0.00045
rs7573673	2	173640508	A	0.01028
rs6758859	2	173673302	G	0.00224
rs16861393	2	173800841	C	0.00996
rs4972566	2	174022407	G	0.01007
rs12328679	2	174149739	A	0.00760
rs10497408	2	174445369	G	0.00292
rs7601227	2	174587420	C	0.01005
rs2044470	2	174640083	T	0.00163
rs10930638	2	174682842	A	0.01647
rs17239377	2	174688585	T	0.01610
rs17320968	2	174884534	G	0.00047
rs935866	2	175310212	A	0.00666
rs2123117	2	175310260	T	0.01271
rs2646173	2	175325924	G	0.00316
rs2244340	2	175349821	G	0.01454
rs13408856	2	175459752	G	0.00127
rs16862989	2	175631114	G	0.00924
rs17270532	2	175725442	C	0.00624
rs6742336	2	175903850	A	0.00072
rs4625873	2	176384591	G	0.00494
rs847138	2	176609446	T	0.00023
rs6712866	2	176885163	C	0.00414
rs2139615	2	176986713	T	0.00057
rs3898818	2	177049059	C	0.00978
rs10177590	2	177357008	G	0.01380
rs2696970	2	177364678	T	0.01033
rs1405613	2	177442858	G	0.01265
rs4368367	2	177663894	T	0.00475
rs4893829	2	178108056	A	0.00241
rs1527405	2	178234073	A	0.00119
rs4893984	2	178265165	G	0.00930
rs41357848	2	178397207	A	0.00466
rs334068	2	178713684	G	0.01137
rs6739142	2	179006070	A	0.01056
rs3816345	2	179683130	G	0.00565
rs6718670	2	180352126	C	0.00769
rs17175114	2	180562865	G	0.00128
rs10497556	2	180649047	C	0.00211

rs16867176	2	180653374	T	0.00881
rs4438449	2	180824043	G	0.00460
rs10460373	2	181181226	T	0.00092
rs2113780	2	181280598	G	0.00883
rs2292855	2	181634030	C	0.01500
rs4667055	2	181657755	G	0.01330
rs7566314	2	181846802	C	0.01143
rs17365432	2	181883021	G	0.01542
rs1371619	2	181897795	G	0.00819
rs959633	2	181950150	A	0.00456
rs3770110	2	182090612	C	0.00806
rs16867447	2	182133792	A	0.00837
rs16867450	2	182165046	A	0.01486
rs16867452	2	182168626	T	0.00331
rs9807949	2	182363251	A	0.00353
rs3108789	2	182625507	A	0.00077
rs1430163	2	183045838	G	0.00603
rs17356901	2	183402422	G	0.01513
rs2045761	2	183840419	A	0.00510
rs17760425	2	184032166	A	10.33000
rs10187085	2	184323021	G	0.00618
rs17784870	2	184479968	T	0.00897
rs4303682	2	184565829	A	0.00690
rs7349369	2	184942347	G	0.01186
rs17508595	2	185191353	C	0.01108
rs17331619	2	185991563	A	0.01218
rs11693975	2	186246637	T	0.00650
rs1019429	2	186360004	C	0.00680
rs36004074	2	186373677	G	0.01326
rs11695215	2	186374069	T	0.00526
rs1862066	2	186380157	C	0.00514
rs10804002	2	186629611	G	0.00042
rs4461230	2	186780020	A	0.01378
rs10174098	2	187200987	G	0.00859
rs7595459	2	187397582	C	0.00982
rs7598838	2	187398066	C	0.00643
rs6726153	2	187422167	A	0.00394
rs16828665	2	187708832	C	0.00757
rs3815524	2	187932567	G	0.00075
rs7591919	2	188357832	T	0.01491
rs10166301	2	189656059	G	0.01277
rs2351932	2	189904154	A	0.00440
rs11695159	2	189991460	T	0.00964
rs4324342	2	191067224	C	0.01659

rs2192008	2	191253392	C	0.00543
rs6434412	2	191293520	A	0.00803
rs11687659	2	191449442	C	0.00231
rs6718902	2	191546449	G	0.00601
rs11676659	2	191627599	T	0.00121
rs41321746	2	192384170	G	0.01039
rs4853492	2	192740989	A	0.00563
rs10497737	2	193532430	G	0.01070
rs10169076	2	195054116	G	0.00176
rs13009328	2	195179543	A	0.01192
rs41367247	2	195435240	C	0.01095
rs16841170	2	196024099	T	0.00815
rs1554168	2	196192437	C	0.00065
rs16842044	2	196288141	G	0.00304
rs7593761	2	196983848	C	0.00746
rs7590951	2	197007679	G	0.01584
rs10167169	2	197158863	T	0.00354
rs7572953	2	197194201	T	0.01190
rs332301	2	197473294	T	0.00095
rs12693803	2	197520866	T	0.00109
rs2697307	2	197783710	G	0.01153
rs6434970	2	198987616	C	0.01575
rs1598656	2	199583342	A	0.00741
rs10804088	2	199776297	G	0.00358
rs16831557	2	200095936	G	0.00625
rs6706499	2	200559059	A	0.01564
rs2470900	2	201211143	A	0.00950
rs6747253	2	201456660	A	0.00201
rs13402805	2	202256209	A	0.00260
rs10469756	2	202288513	T	0.01576
rs12470229	2	202305680	G	0.01062
rs7597560	2	202666759	T	0.00280
rs4303700	2	202954656	T	0.00332
rs4675296	2	203401804	G	0.00391
rs10174652	2	204135585	A	0.00705
rs16841256	2	205008062	A	0.00190
rs1861763	2	205237235	G	0.01587
rs6754606	2	205632522	G	0.00843
rs17284800	2	205679048	C	0.00038
rs1921797	2	205795364	A	0.00611
rs6758662	2	205795592	C	0.00753
rs10206071	2	205796347	G	0.00356
rs7593566	2	205804065	A	0.00781
rs11687914	2	206072732	G	0.00324

rs4675600	2	206925173	A	0.01653
rs2269183	2	207063599	A	0.00797
rs6707178	2	207312672	A	0.00171
rs6435354	2	207409396	T	0.00427
rs12694063	2	207445996	T	0.01607
rs1031432	2	207448975	A	0.01453
rs2078	2	207493189	C	0.00729
rs4675644	2	207548577	C	0.00387
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rs11677782	2	208532296	G	0.00068
rs10497890	2	208561544	C	0.00655
rs10932231	2	208637557	G	0.00944
rs6713275	2	208669669	C	0.01371
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rs10804172	2	209590225	T	0.01369
rs17738962	2	209766313	T	0.00681
rs16842904	2	210021033	G	0.00670
rs4338912	2	210946396	G	0.00245
rs10515951	2	211139283	G	0.01103
rs12474633	2	211395843	T	0.00656
rs6435616	2	211856516	A	0.00564
rs16846100	2	211986463	A	0.01455
rs11894784	2	212409273	C	0.01494
rs2457183	2	214343577	C	0.01062
rs11893486	2	214380536	A	0.00056
rs1582839	2	214391459	T	2.97100
rs4503943	2	214423220	A	0.00721
rs6727011	2	215247415	G	0.00529
rs16852802	2	215380286	G	0.01634
rs1004302	2	215718734	A	0.00863
rs4280455	2	215811528	C	0.00191
rs1051677	2	216778493	T	0.00800
rs6435958	2	217604857	T	0.00719
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rs17804901	2	217971121	G	0.01437
rs2113828	2	217990872	A	0.01246
rs9288531	2	218238563	G	0.01268
rs7573770	2	218531119	A	0.00711
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rs7568936	2	221439604	T	0.01067
rs7422206	2	221987613	A	0.00083

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rs348984	2	222640734	C	0.01255
rs6436292	2	222680987	A	0.01557
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rs6436314	2	222921375	G	0.01524
rs12621612	2	222971761	C	0.00322
rs17564655	2	223143895	A	0.01213
rs16864505	2	223727014	C	0.01101
rs4234046	2	223775131	C	0.00248
rs2141784	2	224007049	C	0.00233
rs1439929	2	224106243	C	0.00966
rs7603262	2	224344734	C	0.00206
rs7605583	2	224987718	T	0.00091
rs10498166	2	225223726	G	0.00103
rs6750925	2	225751889	G	0.01363
rs2396192	2	225813538	A	0.01103
rs10153937	2	225873256	C	0.00227
rs9973944	2	225952373	T	0.00015
rs7593510	2	226180950	C	0.00550
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rs6755898	2	230734362	A	0.01488
rs6436929	2	230957035	A	0.00680
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rs6747431	2	231249581	C	0.00666
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rs4973370	2	231590362	A	0.00097
rs6437002	2	231733528	G	0.00472
rs17199614	2	232166101	A	0.00104
rs10195385	2	232428983	A	0.00245
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rs6746834	2	232867061	C	0.00201
rs1881495	2	233080644	A	0.00670
rs3791725	2	233126885	A	0.01504
rs1284	2	233431426	G	0.00381
rs1104953	2	233578610	C	0.01082
rs10193545	2	233580344	C	0.01531
rs4257390	2	233637754	C	0.01205
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rs7566221	2	233944034	G	0.00811
rs2602381	2	234249063	T	0.00754
rs741157	2	234375903	A	0.00846
rs4616477	2	234606029	T	0.00997
rs715272	2	234764957	A	0.00686
rs6715142	2	235229041	C	0.00708
rs11687004	2	235230882	G	0.01083
rs4663470	2	235252279	T	0.00337
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rs6746703	2	235727802	T	0.00762
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rs872121	2	237560929	G	0.00239
rs11683554	2	237608906	T	0.01342
rs2646261	2	237924126	C	0.00993
rs2875729	2	238132139	T	0.01503
rs6431547	2	238157857	C	0.01060
rs2029770	2	238225988	G	0.01312
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rs3739057	2	238665045	A	0.00671
rs4663304	2	238898471	A	0.01269

rs4663887	2	238955705	C	0.00429
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rs12619578	2	239180160	T	0.00417
rs1397328	2	239233691	A	0.00352
rs7558129	2	239252712	T	0.00610
rs4241229	2	239534776	T	0.00455
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rs7607116	2	240888050	G	0.00159
rs12474682	2	240891998	T	0.00159
rs4676354	2	241104923	T	0.01478
rs4676431	2	241105074	G	0.00964
rs2060188	2	241242617	C	0.00496
rs10933628	2	241243318	G	0.01112
rs4675841	2	241525253	A	0.00144
rs7601544	2	242295023	C	0.00908
rs11711363	3	115727	A	0.01364
rs2133402	3	231258	A	0.00173
rs17019407	3	300068	A	0.01144
rs330893	3	347448	T	0.00036
rs1065035	3	423979	T	0.01096
rs13079540	3	446460	C	0.01586
rs12495737	3	853511	A	0.01368
rs12637032	3	883745	T	0.01096
rs4684830	3	1235260	C	0.00790
rs17193526	3	1475657	C	0.00187
rs41530846	3	1875711	C	0.00225
rs10510266	3	3527756	G	0.00899
rs17034952	3	3665897	C	0.01154
rs3959	3	3783819	C	0.01049
rs310704	3	4294728	A	0.01579
rs17042217	3	5323688	T	0.01519
rs7626628	3	5474832	A	0.01302
rs6790004	3	5670779	A	0.00415
rs17287960	3	6073050	A	0.00099
rs6792001	3	6081251	A	0.01375
rs6800214	3	6364075	C	0.01381
rs164722	3	6634381	T	0.00622
rs163967	3	6751604	C	0.01429
rs17288442	3	6841379	A	0.00219
rs17751439	3	6985587	G	0.00618
rs1356268	3	6996095	G	0.00937
rs12487503	3	7456068	A	0.00561
rs779741	3	7558602	C	0.00764

rs7614915	3	7595382	G	0.01510
rs1485174	3	7595828	C	0.01621
rs9860395	3	7693570	C	0.00468
rs5010733	3	7814573	G	0.01504
rs17825275	3	7933489	C	0.01633
rs1695564	3	8455539	A	0.00648
rs358270	3	8465918	A	0.00998
rs358267	3	8467724	A	0.00322
rs1038483	3	8469627	T	0.00392
rs17049174	3	8484497	C	0.00776
rs9861544	3	8519420	C	0.00570
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rs1947220	3	8537637	G	0.01450
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rs371734	3	8614568	T	0.01474
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rs17049652	3	8864189	A	0.00867
rs486012	3	9016299	T	0.00141
rs341795	3	9021906	T	0.00638
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rs2669986	3	9098116	T	0.01562
rs531719	3	9111060	C	0.01411
rs2543494	3	9156903	T	0.01389
rs6765880	3	9207109	T	0.00853
rs2259100	3	9549327	T	0.00716
rs6809387	3	9677755	T	0.00175
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rs10490816	3	10310172	G	0.01391
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rs17776482	3	11608951	T	0.00650
rs7613596	3	11665450	G	0.01216
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rs11712268	3	11891653	G	0.01048
rs2600272	3	12011495	G	0.01586

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rs7635926	3	13403413	G	0.00276
rs4684940	3	13530297	A	0.01397
rs17038609	3	13825703	G	0.01395
rs4685039	3	13841500	C	0.01419
rs6442417	3	13882158	G	0.00793
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rs8516	3	14159670	T	0.01039
rs874969	3	14352613	T	0.00264
rs13062253	3	14558198	G	0.00961
rs9830416	3	14697574	G	0.01135
rs7649009	3	14810869	A	0.00156
rs1689549	3	14812477	G	0.00020
rs17477703	3	15038530	C	0.00249
rs10510446	3	16164025	A	0.01610
rs2657589	3	16168521	T	0.00758
rs563395	3	16342262	T	0.00091
rs6797529	3	16637492	G	0.01173
rs17042619	3	16723364	C	0.00005
rs9822053	3	16875228	A	0.01147
rs17043092	3	17109603	T	0.01472
rs283907	3	17311423	T	0.01573
rs7644389	3	17477922	T	0.00961
rs9758423	3	18403654	C	0.00277
rs7433351	3	19019071	T	0.00058
rs7433126	3	19022444	C	0.00556
rs6550864	3	19025360	T	0.01644
rs7638224	3	19025817	T	0.00781
rs9681366	3	19058788	C	0.00873
rs13090408	3	19066516	A	0.01513
rs7612947	3	19092122	C	0.01273
rs3916092	3	19921061	A	0.00883
rs3804570	3	20167059	A	0.00897
rs3852067	3	20194481	G	0.01000
rs4858191	3	20412612	C	0.01051
rs6793327	3	20440212	T	0.00264
rs679267	3	20499811	A	0.00981
rs11927689	3	20532192	G	0.00225
rs17554682	3	21713165	T	0.01302
rs4528971	3	22216114	A	0.00315
rs2728988	3	22275887	G	0.01478
rs1491881	3	22309107	T	0.01461

rs9882017	3	22621739	G	0.01508
rs7636994	3	23120110	A	0.00964
rs13098494	3	23390701	G	0.00762
rs13093140	3	23517018	A	0.00826
rs7429885	3	23716534	G	0.00573
rs6550788	3	23734941	T	0.00909
rs6550853	3	24241988	T	0.00045
rs1449874	3	24246832	G	0.01288
rs4413265	3	24721324	A	0.01225
rs1317177	3	24865084	T	0.00165
rs322681	3	25304796	G	0.00012
rs322668	3	25318619	G	0.00474
rs17523645	3	25398435	C	0.01427
rs4681024	3	25450886	C	6.03900
rs4681025	3	25450928	G	0.00605
rs1488209	3	26831534	C	0.00480
rs12630194	3	27376689	A	0.01315
rs2887957	3	27876742	C	0.01360
rs17688561	3	28099213	C	0.01024
rs6549870	3	28678368	A	0.00834
rs6549938	3	29420467	G	0.00921
rs9824170	3	29473011	T	0.01280
rs1434012	3	30099233	A	0.00896
rs9869272	3	30288914	A	0.01373
rs11917205	3	30545602	T	0.00488
rs2116138	3	30577634	T	0.01052
rs9843942	3	30704640	C	0.00757
rs1494741	3	30970990	C	0.00224
rs6772140	3	31002768	C	0.01408
rs4955377	3	31187597	A	0.00901
rs7626417	3	31384916	A	0.00012
rs9848240	3	31486695	G	0.00171
rs3762794	3	31735440	G	0.00388
rs10780017	3	31942454	C	0.00276
rs6798586	3	32107036	T	0.01137
rs6802418	3	32371808	A	0.01353
rs9827863	3	33093955	C	0.00328
rs9817055	3	33545331	C	0.00486
rs9311026	3	33780565	A	0.01372
rs7649584	3	33849455	C	0.00476
rs12715223	3	33917129	G	0.01018
rs17031242	3	34058010	C	0.01047
rs13322449	3	34627200	A	0.00915
rs7646181	3	34821028	C	0.00326

rs885314	3	34915736	G	0.01413
rs11129626	3	34950049	G	0.00284
rs17032625	3	35052013	G	0.01121
rs6799641	3	35661736	T	0.00132
rs999745	3	36652151	G	0.01640
rs5009838	3	36656030	T	0.01537
rs11710386	3	36656248	T	0.00941
rs17197692	3	36750950	C	0.01153
rs4624519	3	36837984	A	0.00454
rs6765624	3	36902550	C	0.00383
rs9828017	3	37174809	T	0.00872
rs17036298	3	37402202	C	0.01389
rs1800	3	37780866	T	0.00181
rs17037369	3	38103093	A	0.00805
rs6599263	3	38119879	T	0.01439
rs6767684	3	38160178	T	0.01617
rs3805040	3	38287376	C	0.00531
rs149741	3	38401120	T	0.00837
rs6599214	3	38604818	G	0.00532
rs6422142	3	38678162	G	0.00125
rs6599240	3	38713721	A	0.01454
rs9311196	3	38734720	G	0.01179
rs12491593	3	38764283	G	0.00565
rs9847662	3	38776649	T	0.01462
rs6599027	3	39469508	A	0.01579
rs4132209	3	40160639	C	0.01442
rs2679807	3	40170210	C	0.01217
rs10510721	3	41559677	T	0.00021
rs9856633	3	41988854	T	0.00551
rs10865916	3	42229487	C	0.00353
rs11129950	3	42289591	C	0.00403
rs17074351	3	42408309	G	0.00426
rs7639483	3	42729357	A	0.00493
rs579878	3	42989054	A	0.00745
rs11708336	3	45168460	A	0.00756
rs4388012	3	45971505	G	0.00175
rs17215981	3	46099422	C	0.01419
rs11919943	3	46241730	G	0.01504
rs9862388	3	46479320	C	0.01025
rs9808967	3	46564298	T	0.00883
rs2280413	3	46596797	T	0.00603
rs6442008	3	46620757	T	0.00549
rs7652849	3	46923530	G	0.00079
rs3772399	3	47842731	G	0.00837

rs319694	3	47859957	A	0.01198
rs3731544	3	48183001	A	0.01274
rs9837228	3	48299470	A	0.01528
rs13090538	3	48345773	C	0.00625
rs4441646	3	51395461	T	0.01172
rs9864693	3	51631410	C	0.01090
rs2251219	3	52559827	T	0.01197
rs11242	3	53100962	T	0.01179
rs3774425	3	53533163	A	0.00755
rs6794085	3	53624648	C	0.01111
rs7622708	3	54073856	A	0.00978
rs3934631	3	54305495	G	0.00382
rs1530733	3	54364155	A	0.01457
rs9817603	3	54431818	G	0.01449
rs6445664	3	54459140	A	0.01203
rs1317838	3	54798638	C	0.01586
rs9808962	3	54916481	T	0.01133
rs1918070	3	54916618	T	0.01076
rs2048805	3	54946579	G	0.00110
rs17054602	3	54959264	A	0.00803
rs3821659	3	54962963	A	0.01258
rs358005	3	55096940	C	0.00730
rs458308	3	55281435	C	0.00540
rs590386	3	55474447	A	0.01639
rs12106807	3	55553035	C	0.00138
rs2702139	3	55671242	A	0.01289
rs815416	3	55685495	C	0.01504
rs4542991	3	55800741	G	0.00830
rs4541375	3	55917587	C	0.01014
rs7647972	3	56116883	C	0.00821
rs9874662	3	56123924	T	0.00032
rs17056472	3	56129715	C	0.01266
rs7625422	3	56130461	C	0.01555
rs1452220	3	56233367	T	0.00549
rs9873480	3	56245378	C	0.01530
rs6763275	3	56282743	G	0.01226
rs9881216	3	56491685	A	0.00300
rs4681726	3	56667682	C	0.00138
rs13063588	3	56852960	G	0.00468
rs6801499	3	57006509	A	0.01296
rs4399856	3	57055753	C	0.00532
rs13084781	3	57392474	C	0.00967
rs12715520	3	58037232	C	0.01119
rs2178773	3	58136814	G	0.01140

rs6807301	3	58171883	A	0.01288
rs6762104	3	58482360	G	0.00037
rs7624292	3	58719181	G	0.01487
rs13090159	3	59294201	A	0.00201
rs2064016	3	60091095	A	0.00523
rs802933	3	60172525	A	0.00469
rs386348	3	60408264	A	0.01346
rs2594141	3	60783325	T	0.00230
rs41347853	3	60917337	T	0.01311
rs111130849	3	61578941	A	0.00612
rs7609954	3	61611196	A	0.01595
rs645957	3	61738529	G	0.00907
rs11923681	3	62124475	T	0.01453
rs4072198	3	62187107	G	0.00903
rs2242352	3	62256476	G	0.00409
rs9883112	3	62279360	C	0.01665
rs1901525	3	62425082	T	0.01512
rs17696120	3	62526070	T	0.00140
rs111130920	3	63260778	T	0.00283
rs1451312	3	63282908	T	0.00633
rs13061130	3	63306518	A	0.00533
rs4688397	3	63392531	C	0.00964
rs1505589	3	63460528	G	0.00631
rs17069000	3	63500328	T	0.01383
rs6785893	3	63538798	C	0.00933
rs17399554	3	63542394	T	0.01591
rs2087704	3	63795533	A	0.00906
rs831571	3	64023337	G	0.01217
rs9812324	3	64292581	T	0.00360
rs719775	3	64366493	T	0.00761
rs10470705	3	64483477	C	0.01545
rs7642335	3	64510911	G	0.00980
rs988487	3	65163493	G	0.00452
rs2371864	3	65172526	A	0.00049
rs9854952	3	65307422	T	0.01364
rs7649739	3	65373938	C	0.00910
rs6762815	3	65401481	C	0.00906
rs4375986	3	65415821	G	0.00431
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rs7612634	3	65576699	G	0.01651
rs7612636	3	65576717	C	0.00885
rs7612644	3	65576735	A	0.01029
rs1495448	3	65785954	A	0.01418
rs10510947	3	65804384	G	0.00877

rs12487264	3	66558327	A	0.01356
rs783511	3	66558558	A	0.01408
rs2198795	3	67089922	A	0.00366
rs1387866	3	67439543	A	0.00498
rs2101566	3	67513045	C	0.01350
rs2362440	3	67872311	C	0.00835
rs9812892	3	67923787	C	0.00138
rs876535	3	68923672	G	0.00936
rs4855516	3	68940970	C	0.00121
rs2130439	3	68952118	A	0.01036
rs10470577	3	68956675	T	0.01433
rs7375020	3	69156607	C	0.00561
rs6784841	3	69336322	A	0.00742
rs17354285	3	69594893	C	0.00062
rs10428111	3	69818348	A	0.00640
rs13314892	3	69877742	A	0.01102
rs9811939	3	70451282	T	0.01027
rs4491863	3	70607102	G	0.01658
rs1565552	3	70786437	T	0.00462
rs7633132	3	70874359	T	0.00965
rs831081	3	71515298	T	0.01001
rs7630905	3	71555237	C	0.01187
rs17656368	3	71556906	C	0.00535
rs9878602	3	71618028	T	0.00668
rs704279	3	71794669	C	0.01431
rs4552321	3	72065199	T	0.01145
rs4345037	3	72065251	G	0.00401
rs906037	3	72102600	G	0.00989
rs17009330	3	72179505	A	0.00356
rs11928774	3	72522839	T	0.01264
rs2118592	3	72587344	G	0.01322
rs934840	3	72599055	T	0.01517
rs923573	3	72779317	G	0.00184
rs1123121	3	72779850	G	0.00072
rs7637085	3	72801997	A	0.00585
rs7628968	3	73253048	T	0.01436
rs557919	3	73378282	G	0.01601
rs1482170	3	73445935	C	0.00731
rs11711610	3	73656047	A	0.00589
rs9310276	3	73786831	T	0.01528
rs1511530	3	73852548	G	0.00378
rs6770929	3	73934726	C	0.00270
rs12488030	3	74562933	C	0.00136
rs9828888	3	75043354	T	0.01104

rs4420916	3	75072673	A	0.01025
rs6785246	3	75173405	T	0.01232
rs4635750	3	75180559	A	0.00879
rs6549701	3	75277146	T	0.00107
rs9877751	3	75285062	T	0.01457
rs13083349	3	75332099	A	0.00465
rs4072316	3	75352178	C	0.01384
rs6809747	3	77252417	T	0.01166
rs9876344	3	77388581	A	0.00452
rs9882239	3	77405024	G	0.00032
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rs6788301	3	77855335	A	0.01461
rs11920974	3	78517533	T	0.00401
rs531125	3	78997791	A	0.00179
rs7629235	3	80355605	G	0.01448
rs9883980	3	80553686	C	0.00044
rs1406781	3	80677712	C	0.00454
rs7431461	3	80682502	C	0.00529
rs6786939	3	80887895	G	0.01568
rs17018482	3	81212634	T	0.01078
rs2578318	3	81235306	T	0.01455
rs3772891	3	81859450	A	0.00877
rs1464790	3	81935613	A	0.01327
rs1524557	3	81974721	G	0.01655
rs1464791	3	81976619	A	0.00755
rs7621968	3	82034150	G	0.00273
rs7633528	3	82043128	A	0.01360
rs834858	3	82742725	A	0.00423
rs12330257	3	82874037	T	0.00383
rs9842015	3	83059425	G	0.00914
rs12629030	3	84771824	G	0.00235
rs7635613	3	85390651	A	0.00084
rs9847998	3	85479859	G	0.01072
rs12493423	3	85484512	A	0.01045
rs9836755	3	85922061	A	0.01418
rs13093396	3	86250563	G	0.01266
rs1809631	3	87329061	T	0.00033
rs12634593	3	88978938	T	0.00149
rs7634358	3	89953636	C	0.01050
rs7633240	3	89987959	T	0.01478
rs12106694	3	90034988	A	0.00499
rs6551453	3	90252295	G	0.00310
rs9289536	3	95031169	T	0.00168
rs9713061	3	95073766	T	0.00129

rs6810199	3	95606242	T	0.01587
rs11919338	3	96692513	T	0.01366
rs4574293	3	96693865	C	0.00211
rs6787987	3	96760311	T	0.00316
rs6803348	3	96817623	G	0.00514
rs9871481	3	97187270	G	0.01001
rs7612359	3	97462883	A	0.01308
rs9874467	3	97625924	C	0.01006
rs326296	3	97643917	G	0.00545
rs4320074	3	97837784	G	0.00266
rs2027815	3	98202619	T	0.00558
rs16838976	3	99092149	C	0.00004
rs13059366	3	99249465	A	0.01055
rs4603997	3	99511686	T	0.00699
rs7639655	3	99853530	A	0.00361
rs2454673	3	100103809	A	0.00347
rs2690231	3	100257503	G	0.00204
rs1610265	3	100902882	T	0.00708
rs4928220	3	100962239	T	0.01570
rs793474	3	101027070	T	0.00357
rs6792339	3	101163597	A	0.01391
rs2317335	3	102269706	C	0.00682
rs3923609	3	102345291	T	0.00457
rs11720464	3	103451607	G	0.01346
rs16844885	3	103456100	G	0.01063
rs7652417	3	104347530	C	0.01042
rs2103355	3	105228554	C	0.00750
rs1165905	3	105260479	T	0.01601
rs2398993	3	105513929	A	0.00577
rs9841288	3	105899251	T	0.00528
rs2633702	3	105901394	A	0.00895
rs10933805	3	106260663	C	0.00061
rs10933810	3	106415848	A	0.00988
rs4894936	3	106825705	G	0.00530
rs2083948	3	106828663	A	0.01145
rs9872358	3	107371754	T	0.00381
rs7632189	3	107372793	C	0.00276
rs1871274	3	107385166	C	0.01544
rs13085623	3	107415425	C	0.00168
rs7614488	3	107504190	T	0.00537
rs16852418	3	107572763	G	0.00198
rs17794090	3	107701395	A	0.00364
rs4895039	3	108005925	C	0.00139
rs2049118	3	108010714	C	0.01633

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rs1996694	3	108045770	C	0.00942
rs709464	3	109192434	A	0.01243
rs2715734	3	110180266	G	0.00786
rs7637739	3	110198158	A	0.00328
rs9865616	3	110343625	T	0.01185
rs17305051	3	110444245	T	0.01525
rs7611871	3	110510510	A	0.01068
rs1125903	3	110568968	A	0.00582
rs17807117	3	110751304	G	0.01211
rs1533855	3	110771783	C	0.01281
rs1729595	3	110782976	A	0.01403
rs1729594	3	110783010	G	0.01472
rs1729590	3	110785471	T	0.01577
rs1729622	3	110807269	C	0.00699
rs1729616	3	110814933	G	0.01549
rs617108	3	111147941	C	0.00969
rs11916299	3	111354514	C	0.00294
rs10511281	3	111395314	A	0.00189
rs1512512	3	111785929	G	0.01620
rs1381835	3	112083286	G	0.00095
rs16857885	3	112471474	A	0.00236
rs1489024	3	112485064	C	0.00204
rs13083225	3	112486553	T	0.01628
rs17202754	3	112720470	T	0.00216
rs4682298	3	112929749	T	0.00108
rs17490973	3	113083848	A	0.00811
rs17429033	3	113193088	C	0.00071
rs13069887	3	113411650	C	0.01527
rs4347976	3	113422075	A	0.00052
rs4355254	3	113525909	G	7.67100
rs6438068	3	113539624	G	0.01507
rs9815819	3	113847817	A	4.21800
rs1488189	3	114194061	A	0.00203
rs10511319	3	114316388	G	0.00215
rs16860868	3	114562639	G	0.00216
rs2203251	3	114814925	G	0.01445
rs16822416	3	115373000	T	0.00776
rs16822478	3	115419430	T	0.00326
rs1521067	3	115592268	C	0.01209
rs9873283	3	116622209	G	0.01072
rs283377	3	116889943	G	0.01495
rs4476498	3	117142999	T	0.00768
rs12638103	3	117944322	G	0.01444

rs7426651	3	118017277	T	0.00763
rs17720543	3	118726699	T	0.00520
rs7645813	3	119127487	C	0.00298
rs1350158	3	119143663	T	0.00857
rs843853	3	119160491	G	0.01050
rs16827961	3	119316088	T	0.01161
rs2970136	3	119656825	G	0.00884
rs2946824	3	119711211	A	0.00345
rs12629898	3	120022936	T	0.01223
rs962115	3	120082765	A	0.01570
rs11712211	3	120986830	G	0.00369
rs1403527	3	120989570	A	0.00716
rs1259340	3	121708045	T	0.00631
rs556346	3	122016954	G	0.01033
rs936849	3	122018119	A	0.01653
rs662467	3	122157217	A	0.00237
rs9849118	3	122614958	A	0.01401
rs13321798	3	123086261	A	0.01437
rs1523517	3	123209681	G	0.00273
rs7629297	3	124219868	T	0.01077
rs1123613	3	124236663	C	0.01374
rs2717225	3	124356613	C	0.00639
rs9868971	3	124419559	A	0.01049
rs12493729	3	124447590	C	0.01231
rs16834431	3	124768546	T	0.00240
rs6787049	3	125622819	C	0.00697
rs963651	3	125639321	T	0.01635
rs6763492	3	126184698	T	0.01278
rs6795558	3	126204193	G	0.00280
rs631691	3	126357868	G	0.00435
rs7612285	3	126511050	C	0.01540
rs9809356	3	126612179	T	0.01190
rs7636858	3	126659411	C	0.00614
rs7610077	3	126675824	C	0.00812
rs777491	3	127647472	G	0.00526
rs777496	3	127669194	C	0.00916
rs12492352	3	127748015	T	0.01546
rs7628650	3	127878787	T	0.01205
rs17693752	3	127956000	G	0.01182
rs9856036	3	128267154	A	0.01387
rs9828776	3	128282770	T	0.00321
rs6439067	3	128586530	G	0.00044
rs1543272	3	129070913	C	0.00498
rs11716941	3	129358064	C	0.00303

rs9830294	3	129429478	G	0.00893
rs2999061	3	129476313	T	0.00755
rs7647218	3	130607921	G	0.01548
rs9871734	3	131442289	G	0.00950
rs9879726	3	131543730	T	0.01659
rs903046	3	132237816	C	0.00833
rs6794179	3	132263544	T	0.00672
rs1389271	3	132267796	G	0.00869
rs13094108	3	132303784	T	0.01433
rs16835887	3	132313061	G	0.01168
rs925779	3	132338545	G	0.00305
rs1515909	3	132342177	T	0.01197
rs2718860	3	132346904	T	0.01261
rs6439277	3	132350485	C	0.00818
rs10512802	3	132430699	A	0.01640
rs6768031	3	132433837	A	0.01086
rs16836261	3	132474804	C	0.01140
rs1427835	3	132557020	C	0.00973
rs16836493	3	132564794	G	0.00227
rs9289396	3	132940779	A	0.01247
rs1381083	3	133172286	G	0.00641
rs7647029	3	133209412	C	0.01177
rs1533748	3	133328673	C	0.00867
rs1316655	3	133404646	C	0.01294
rs1505829	3	133488808	G	0.01101
rs10512870	3	134107012	G	0.00870
rs17431810	3	134157013	A	0.00845
rs9824252	3	134188001	T	0.00549
rs9873398	3	134207602	A	0.00924
rs1013391	3	134208053	C	0.01119
rs6763815	3	134208565	G	0.00905
rs6439381	3	134219072	C	0.00643
rs2369967	3	134227201	C	0.00350
rs1464403	3	134234389	T	0.01537
rs7633217	3	134238872	G	0.01644
rs1568478	3	134243117	T	0.01224
rs4854680	3	134245860	T	0.01636
rs7631593	3	134250282	T	0.01367
rs2049149	3	134259591	A	0.01232
rs4496483	3	134273376	T	0.00530
rs2369970	3	134280489	T	0.00256
rs7638408	3	134398428	G	0.01603
rs7624858	3	134466807	T	0.00497
rs2715632	3	134968520	A	0.00029

rs2692682	3	135077381	T	0.00379
rs2400279	3	135555339	G	0.00169
rs2400273	3	135589184	G	0.00503
rs6764764	3	135813857	T	0.00914
rs9289483	3	135920645	G	0.01235
rs36178	3	136129859	A	0.00168
rs39704	3	136129897	T	0.00062
rs4955459	3	136150839	A	0.00465
rs7644369	3	136153214	A	0.00214
rs6801065	3	136336932	A	0.00348
rs6439571	3	136719742	T	0.00932
rs6439578	3	136763460	T	0.01329
rs7621220	3	136763883	A	0.00099
rs12629207	3	138328949	A	0.01607
rs10222397	3	138570477	C	0.00205
rs4678337	3	138638963	A	0.01656
rs17547056	3	138910369	G	0.01322
rs2170309	3	139325796	A	0.01325
rs10935355	3	141026416	T	0.01430
rs6439890	3	141207949	C	0.00701
rs4683805	3	141327143	T	0.00201
rs1026780	3	141571971	G	0.01190
rs13099847	3	141580008	C	0.01493
rs4683499	3	141662920	C	0.01410
rs349504	3	141712135	G	0.00068
rs347973	3	141775226	A	0.00833
rs16850633	3	141798405	G	0.01349
rs1499876	3	141813475	T	0.00061
rs1696201	3	141835923	T	0.01558
rs9881950	3	141863447	A	0.01025
rs698666	3	141881767	A	0.00939
rs3913019	3	141886682	A	0.00614
rs4683516	3	141890495	C	0.01227
rs7632807	3	141968133	G	0.00772
rs1519195	3	142072703	G	0.00711
rs10935417	3	142268524	T	0.01205
rs9823690	3	142273269	T	0.01616
rs967526	3	142428375	C	0.01329
rs1877223	3	142480315	C	0.01027
rs4365602	3	142869717	G	0.00085
rs2138789	3	142991441	A	0.01450
rs6440043	3	143072195	A	0.00364
rs41465652	3	144923216	G	0.01245
rs1349001	3	144965563	C	0.00929

rs1868179	3	144988258	T	0.01593
rs17602500	3	145148707	C	0.00206
rs6778627	3	145203559	T	4.11800
rs4527375	3	145218205	T	0.01517
rs4613453	3	145218290	C	0.01053
rs7611326	3	145219064	C	0.01587
rs1025984	3	145238877	G	0.00113
rs1530477	3	145302196	G	0.00441
rs6440311	3	146286421	C	0.01133
rs13091557	3	146711304	G	0.01394
rs4470459	3	146721568	G	0.01213
rs6792834	3	146736032	A	0.00318
rs3863992	3	146940876	A	0.01591
rs9828457	3	147082910	T	0.01434
rs342899	3	147761306	T	0.01516
rs6440455	3	147947303	G	0.01446
rs1521580	3	148004668	G	0.00389
rs10513290	3	148043457	G	0.01545
rs10935684	3	149238020	T	0.01620
rs16860056	3	149257720	T	0.01217
rs6440527	3	149258559	A	0.01210
rs1522950	3	149740904	G	0.01358
rs275690	3	149828216	C	0.01073
rs11712763	3	150143157	T	0.00131
rs13072463	3	150456155	G	0.00240
rs12489083	3	151256898	C	0.01619
rs1564996	3	151306814	T	0.01504
rs7627651	3	151404775	C	0.00206
rs6769917	3	151992294	T	0.00125
rs41454348	3	151998413	A	0.01415
rs16863323	3	152542758	C	0.01032
rs2120982	3	153012811	T	0.00952
rs9854676	3	153375537	C	0.01521
rs6771162	3	153721985	T	0.01216
rs9869338	3	154226863	G	0.01359
rs16822398	3	154351388	A	0.01065
rs7622713	3	154615362	T	0.01062
rs3846073	3	154798092	A	0.00683
rs16822807	3	154803470	G	0.01453
rs17744338	3	154872187	A	0.00704
rs522654	3	154948599	A	0.01459
rs9850368	3	154960783	C	0.01194
rs1521302	3	155153228	C	0.00873
rs16846891	3	155218309	T	0.01475

rs13080908	3	155577580	C	0.00135
rs3796270	3	156504521	A	0.00021
rs4561871	3	156556033	G	0.01201
rs3924188	3	156561704	C	0.00299
rs10212156	3	156586078	A	0.00094
rs816546	3	157630062	G	0.00863
rs344001	3	157936101	C	0.01323
rs6776647	3	158470389	T	0.01649
rs7645454	3	158507639	G	0.00151
rs827173	3	159442224	C	0.00507
rs9846998	3	160035056	C	0.00697
rs1503107	3	160095853	C	0.01513
rs2595244	3	160489729	C	0.00849
rs1349165	3	160526956	C	0.00057
rs1349166	3	160526972	C	0.01234
rs13075534	3	160968833	C	0.00468
rs1497762	3	161001612	G	0.00906
rs7631400	3	161011416	A	0.00244
rs16831289	3	161807157	G	0.01276
rs1378665	3	161887729	T	0.00027
rs6441408	3	163063420	T	0.01258
rs1510336	3	163325002	A	0.00634
rs9290197	3	164227902	T	0.00324
rs1375846	3	165313941	A	0.00405
rs1375832	3	165319181	C	0.00361
rs1349285	3	165341254	A	0.00951
rs10936408	3	165353361	A	0.00573
rs12495540	3	165377741	A	0.00416
rs1016369	3	165881550	T	0.00044
rs13315478	3	166514051	C	0.00216
rs865499	3	166929651	G	0.01500
rs3894957	3	166952603	G	0.01193
rs9873779	3	166990796	C	0.01022
rs2089885	3	166991935	T	0.00791
rs2312708	3	167216994	G	0.01230
rs4680618	3	167349698	C	0.01562
rs2862806	3	167452241	T	0.01324
rs4274741	3	168786179	A	0.00561
rs9829009	3	168847165	T	0.01082
rs2686586	3	169380515	C	0.01324
rs17462877	3	170169342	G	0.00383
rs9823691	3	170273620	C	0.01070
rs16853226	3	170336587	G	0.00119
rs1273882	3	170602176	A	0.01470

rs17485347	3	170610213	A	0.00854
rs10936601	3	171011143	A	0.01138
rs6793160	3	171017960	C	0.00433
rs16854658	3	171157100	G	0.00438
rs1990805	3	171672199	T	0.00821
rs12496334	3	171793139	C	0.00423
rs17289591	3	171815244	C	0.01238
rs11919564	3	172068102	T	0.00359
rs16855789	3	172294361	A	0.00513
rs12486611	3	172294982	A	0.00713
rs6789594	3	172434897	G	0.01256
rs931498	3	172556310	G	0.01516
rs11716511	3	172590323	T	0.00520
rs181715	3	172791538	T	0.00066
rs7633686	3	172963579	G	0.01489
rs9848640	3	173027942	C	0.00666
rs6781921	3	173230050	G	0.00308
rs7625921	3	173448323	G	0.00505
rs11924521	3	174059775	T	0.00364
rs12639277	3	174169855	T	0.00164
rs11916259	3	174832272	C	0.00756
rs16828950	3	174845059	A	0.00583
rs1352416	3	174963401	G	0.00369
rs9829309	3	175036477	G	0.00709
rs6779415	3	175046630	T	0.00314
rs12632079	3	175619121	C	0.00686
rs12637543	3	175619311	T	0.00163
rs507227	3	175968504	C	0.01456
rs500999	3	175978617	C	0.01435
rs9863905	3	176214706	T	0.00426
rs9863038	3	176220123	T	0.01428
rs9831769	3	176238845	A	0.01530
rs2193849	3	176601359	A	0.00166
rs16825963	3	176764272	A	0.00806
rs6800441	3	177560665	A	0.00741
rs963028	3	177600896	G	0.01160
rs16827475	3	177986109	G	0.00845
rs2862702	3	178385355	T	0.01240
rs10513755	3	178598500	G	0.01097
rs6798789	3	178904969	G	0.00162
rs1499810	3	178908229	G	0.01023
rs4857726	3	178914424	T	0.01032
rs11920864	3	180292559	A	0.01410
rs6777944	3	180965720	C	0.00779

rs2339913	3	181049917	A	0.00556
rs6443681	3	181149751	A	0.00867
rs1608796	3	181445006	C	0.01643
rs3906013	3	181464665	A	0.01178
rs7629793	3	181588372	G	0.01567
rs1497891	3	181664718	T	0.01348
rs904241	3	181747437	C	0.00851
rs6791597	3	181781172	A	0.00580
rs1532485	3	181802675	T	0.00042
rs7426901	3	182844006	C	0.00504
rs17237063	3	183617208	G	0.00879
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rs9878953	3	183981452	G	0.01628
rs7632904	3	184265795	G	0.01220
rs4859184	3	184611932	C	0.00471
rs2971460	3	184677420	T	0.01408
rs9870374	3	184777093	G	0.01480
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rs4686948	3	186201847	T	0.00315
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rs12163582	3	186584193	T	0.01520
rs9863611	3	186839849	T	0.01040
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rs1558910	3	187439841	G	0.01306
rs2193587	3	187472790	G	0.00561
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rs2070635	3	187818870	T	0.00461
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rs266764	3	187946650	G	0.01487
rs13322676	3	188201439	T	0.01458
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rs2102860	3	188593677	A	0.00944
rs2687926	3	188636560	C	0.01261
rs9830704	3	188705061	G	0.00880
rs6774087	3	188716825	T	0.00372
rs10937312	3	188802383	C	0.00260
rs17728902	3	188873838	C	0.00696
rs6762932	3	188931691	A	0.01268
rs16848772	3	189258293	C	0.00087
rs4686952	3	189531536	A	0.00503
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rs1364596	3	190743319	G	0.00780
rs3846096	3	190764506	G	0.00515
rs1881990	3	190823284	G	0.00336
rs6776687	3	190881091	A	0.00668
rs4687094	3	191011546	A	0.00382
rs41396746	3	191206191	G	0.00940
rs9834518	3	191217916	T	0.00444
rs7632740	3	191253292	G	0.00774
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rs1522930	3	191280803	C	0.01026
rs1436656	3	191431383	T	0.00908
rs2378568	3	191462419	T	0.00446
rs17427594	3	191467837	T	0.01334
rs9837705	3	191473777	C	0.00467
rs3774028	3	191510966	A	0.00273
rs3773983	3	191762560	T	0.00152
rs6807826	3	192205117	T	0.01597
rs6793796	3	193459773	G	0.00393
rs4687304	3	193461726	A	0.01626
rs6798854	3	193536935	A	0.00357
rs6444640	3	193632921	C	0.01623
rs2135189	3	193933600	T	0.00466
rs2173796	3	194970765	G	0.00820
rs2636914	3	195136231	C	0.00981
rs6444755	3	195150211	T	0.01154
rs2636909	3	195150527	G	0.01520
rs4076187	3	195400624	T	0.00896
rs1466733	3	195602287	C	0.00568
rs6437390	3	195776040	C	0.01020
rs823009	3	196155403	A	0.00088
rs2046969	3	197132905	C	0.00542
rs433811	3	198501197	C	0.00073
rs9859281	3	198797165	G	0.01065
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rs2082270	3	198799512	C	0.00811
rs7613131	3	198812273	G	0.00674
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rs798754	4	1690555	A	0.00938
rs382441	4	1978893	C	0.01315
rs554222	4	2124815	A	0.01326
rs10488836	4	2130692	T	0.00602
rs6599427	4	2314490	T	0.00407

rs704352	4	2456284	A	0.00049
rs11945928	4	2663879	T	0.01176
rs4690002	4	2811038	T	0.01469
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rs1188582	4	3556038	A	0.01089
rs4348044	4	4903768	G	0.01317
rs7699934	4	5021633	C	0.01180
rs6817353	4	5292472	C	0.00332
rs16837064	4	5434203	C	0.01349
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rs16837127	4	5449613	C	0.01351
rs16837389	4	5587211	T	0.01159
rs2291157	4	5771922	C	0.01276
rs10937678	4	5848389	T	0.00483
rs3821936	4	5880158	T	0.01087
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rs4689318	4	6069792	C	0.00528
rs6812643	4	6203072	G	0.00902
rs16838645	4	6421256	G	0.01067
rs10013211	4	7058979	A	0.00296
rs11931598	4	7098003	A	0.01613
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rs17368264	4	7666095	C	0.00082
rs6837688	4	7685720	G	0.00080
rs1574414	4	8100956	G	0.01440
rs1298472	4	8253741	T	0.00378
rs9985550	4	8340707	G	0.01289
rs4270574	4	8366130	G	0.00695
rs10939507	4	9377921	A	0.00512
rs11934363	4	9521199	C	0.00209
rs6826764	4	9639892	G	0.00307
rs10516201	4	9733039	G	0.00903
rs4444830	4	9733917	G	0.00463
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rs6826450	4	9817876	G	0.00443
rs6855489	4	9817986	A	0.00452
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rs17477561	4	9924194	G	0.01345
rs11736056	4	10562494	T	0.01491
rs11736131	4	10571494	A	0.00381
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rs2128863	4	10611626	T	0.01416
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rs7681347	4	10687755	C	0.00114
rs7685923	4	10691247	A	0.01648
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rs16878217	4	10728210	G	0.01046
rs16878245	4	10730190	A	0.01077
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rs1481186	4	12156813	T	0.00396
rs2711550	4	12450280	C	0.00510
rs1913706	4	12647728	T	0.00693
rs481266	4	12666968	T	0.00326
rs497117	4	12691442	G	0.01285
rs6857769	4	12861246	G	0.01243
rs1157946	4	13143506	A	0.01451
rs7671621	4	13337604	G	0.01162
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rs1629359	4	13574822	C	0.01179
rs6818005	4	13766514	T	0.01316
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rs10016726	4	14342870	C	0.00949
rs4577573	4	14360658	C	0.00835
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rs13103430	4	17176453	A	0.00725
rs4698629	4	17217982	G	0.00683
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rs10025598	4	18389690	T	0.00646
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rs6449420	4	18415983	A	0.00359
rs1914604	4	18460046	T	0.01227
rs17534953	4	18580389	A	0.00199
rs16898029	4	18656715	T	0.00834
rs312352	4	18871602	G	0.00015
rs13117987	4	18898037	A	0.01180
rs9995581	4	19054034	A	0.00687
rs4440215	4	19115959	A	0.01401
rs4577579	4	19118623	C	0.01279
rs4642242	4	19164533	A	0.00951
rs11734810	4	19190933	C	0.01297
rs16868634	4	19203653	T	0.01445
rs1032258	4	19216491	T	0.01591
rs41532447	4	19525054	A	0.00135
rs1026973	4	19621253	C	0.00146
rs2062396	4	19700052	C	0.00112
rs10516349	4	19895577	T	0.00401
rs17609702	4	20034686	A	0.00593
rs6841111	4	20537595	T	0.00631
rs6817687	4	20694428	A	0.01118
rs4599408	4	20697443	A	0.01631
rs16870439	4	20747254	A	0.00486
rs6829666	4	20766579	T	0.00749
rs1836087	4	20781183	T	0.01523
rs6821250	4	20781282	T	0.01582
rs1319225	4	20790093	C	0.00849
rs16870621	4	20853990	T	0.01138
rs2323071	4	21237808	T	0.00645
rs1380272	4	21364804	T	0.00088
rs10938922	4	22442615	G	0.01142
rs615604	4	23597866	C	0.00623
rs16875034	4	23722172	A	0.01342
rs11721883	4	24006774	G	0.01585
rs800453	4	24427607	G	0.00991
rs13131918	4	24482702	G	0.00024
rs4697489	4	24495197	C	0.01420
rs10020414	4	25394544	A	0.01515
rs6841440	4	25654795	A	0.00832
rs7684555	4	25655054	G	0.01614
rs2137231	4	25657239	A	0.00957
rs6825740	4	25847772	T	0.00876
rs6821126	4	25951636	T	0.00637

rs2153155	4	25966991	C	0.00983
rs13134710	4	26051306	C	0.01543
rs10939139	4	26458873	T	0.00744
rs7660174	4	26461536	A	0.00435
rs7671671	4	26462750	A	0.01085
rs10032186	4	26571971	A	0.00457
rs2075093	4	26706794	G	0.00036
rs7669710	4	26982314	A	0.01149
rs13125312	4	27037573	T	0.01454
rs210775	4	27040647	A	0.01432
rs297291	4	27280901	A	0.00182
rs7439266	4	27290532	A	0.00455
rs2036184	4	27954873	G	0.00788
rs1567492	4	28151604	G	0.00267
rs2458628	4	28188118	T	0.00754
rs2101697	4	28261899	A	0.01224
rs12639959	4	28749027	G	0.01571
rs2310033	4	29050829	G	0.01484
rs1816773	4	29257846	G	0.01598
rs6448704	4	29986062	C	0.00135
rs2203140	4	30045586	C	0.01217
rs1588610	4	30118029	G	0.01622
rs10031821	4	30131509	T	0.00837
rs1818442	4	30142909	C	0.01108
rs767478	4	30239480	T	0.00535
rs10010739	4	30713894	T	0.01025
rs10014802	4	31757023	C	0.00671
rs11133180	4	31773932	C	0.01112
rs1118106	4	31825250	C	0.00029
rs17080898	4	31838839	G	0.01575
rs17080915	4	31845118	C	0.00239
rs17299248	4	31845304	A	0.01097
rs902658	4	31864983	G	0.01156
rs2404759	4	31865170	C	0.01551
rs2166280	4	32148566	A	0.01346
rs11933744	4	32224652	T	0.00074
rs9306915	4	32706365	A	0.01393
rs9990848	4	32739241	A	0.00907
rs28577134	4	32742832	G	0.00509
rs2337724	4	33025184	A	0.01340
rs41385647	4	33629567	C	0.00772
rs1425509	4	34083700	G	0.01275
rs16990031	4	34263988	T	0.00038
rs16990131	4	34349710	T	0.00241

rs1511859	4	34392989	A	0.00569
rs1399125	4	35169074	G	0.00223
rs16992647	4	36489500	A	0.00636
rs13144081	4	36786141	C	0.01432
rs1342993	4	36864308	C	0.00267
rs11723214	4	36890057	G	0.01469
rs17495047	4	37290325	A	0.00848
rs961082	4	37404017	T	0.01430
rs933820	4	37702617	C	0.01172
rs6820715	4	37708185	T	0.01661
rs10018836	4	37708322	C	0.01247
rs959694	4	37728590	C	0.01238
rs932008	4	37870842	C	0.00297
rs7662014	4	38261989	C	0.01247
rs2130296	4	38551197	A	0.01319
rs6846248	4	39673099	A	0.01109
rs11729556	4	39904066	T	0.00584
rs13140765	4	40143879	T	0.01188
rs278985	4	40189349	G	0.01408
rs10026397	4	41260644	G	0.01187
rs10028962	4	41466901	T	0.00706
rs16853711	4	41571982	C	0.00518
rs7691499	4	41899928	A	0.01368
rs2632689	4	42020972	C	0.01387
rs1565113	4	42038947	A	0.01229
rs2632698	4	42052652	T	0.01470
rs2719949	4	42052845	T	0.01642
rs1386617	4	42077641	C	0.01622
rs2719950	4	42081595	A	0.00317
rs2719959	4	42086461	A	0.01542
rs17447926	4	42304221	A	3.46800
rs35487523	4	42304596	A	0.01026
rs7682119	4	42911451	G	0.01019
rs10517072	4	42975400	C	0.00986
rs41445444	4	44059525	C	0.00216
rs2048545	4	44781944	C	0.00683
rs7663667	4	44792234	C	0.00592
rs1566857	4	45743637	T	0.00214
rs904154	4	45821128	C	0.00849
rs17600511	4	47062277	G	0.01084
rs4435723	4	47162314	C	0.00201
rs9654081	4	47192237	A	0.00469
rs10002498	4	47623342	G	0.00292
rs6850108	4	47773350	A	0.01174

rs10007288	4	47784892	T	0.01243
rs11725773	4	47891092	A	0.00739
rs6554072	4	53774304	C	0.00990
rs9999406	4	54076102	C	0.00988
rs17717891	4	54144358	T	0.00832
rs2616410	4	54166224	A	0.01560
rs1547905	4	54841511	A	0.00313
rs13434995	4	56161971	A	0.00341
rs7681714	4	56645695	G	0.00614
rs4419531	4	57152997	C	0.01292
rs7694092	4	57283745	T	0.01004
rs1277307	4	57591456	T	0.01559
rs1524690	4	57867216	G	0.00622
rs839021	4	57984406	T	0.00338
rs17088338	4	58101890	T	0.00277
rs7683304	4	58166025	A	0.01343
rs269847	4	58552567	A	0.01164
rs6554508	4	58567272	T	0.00553
rs2660950	4	58651643	A	0.00766
rs17827094	4	58669544	A	0.01018
rs17827100	4	58669628	T	0.00284
rs2412904	4	58974596	T	0.00040
rs1463171	4	59420217	G	0.01004
rs2036098	4	59599269	A	0.00116
rs17290730	4	60039439	G	0.00212
rs6551526	4	60724394	T	0.01469
rs11946495	4	60920756	G	0.00311
rs10517505	4	61028567	T	0.00967
rs11724820	4	61100834	A	0.00983
rs4527515	4	61294721	A	0.01209
rs17090347	4	61600493	A	0.00472
rs2342541	4	61677829	A	0.00851
rs6842293	4	62376020	A	0.00717
rs5010235	4	62417220	G	0.01587
rs10020948	4	62449692	T	0.00407
rs17292142	4	62536118	T	0.01370
rs954645	4	62542106	C	0.01215
rs2193121	4	62679165	T	0.00432
rs2015977	4	62765958	G	0.00039
rs17239352	4	62841167	G	0.00211
rs778933	4	62941177	G	0.01407
rs778934	4	62942012	A	0.00731
rs4330377	4	63229043	T	0.01351
rs11940289	4	63607432	A	0.01048

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rs6817560	4	64827255	T	0.00419
rs1601076	4	64935458	G	0.01005
rs10517893	4	64952717	G	0.00184
rs9998808	4	64955197	A	0.01212
rs2198103	4	65954774	A	0.00611
rs17086363	4	66310557	G	0.00470
rs4434311	4	66401913	A	0.01068
rs4860723	4	66490958	A	0.01379
rs1433622	4	66500848	A	7.14600
rs17086743	4	66674916	G	0.01246
rs980448	4	66687591	G	0.00410
rs17087597	4	67424039	T	0.00302
rs12504640	4	67865677	T	0.00363
rs17820729	4	67916100	G	0.01408
rs930438	4	67923741	G	0.01577
rs931360	4	68135468	C	0.00353
rs1458236	4	69817484	C	0.01390
rs1598904	4	69848375	A	0.00979
rs1458243	4	69848638	G	0.00866
rs1458246	4	69852671	G	0.01295
rs10000481	4	69871762	C	0.01465
rs2017990	4	69897763	G	0.00797
rs6811878	4	69912185	C	0.01615
rs6858558	4	70004132	T	0.01002
rs4348160	4	70052120	C	0.00508
rs13151367	4	70603166	A	0.01451
rs10019305	4	70754122	A	0.01387
rs17713792	4	71189199	C	0.01575
rs2013685	4	71224700	A	0.01486
rs4694087	4	72138031	G	0.00179
rs4694380	4	72209645	C	0.00240
rs16846797	4	72742029	A	0.01151
rs381121	4	72790933	T	0.01469
rs16848366	4	73714898	G	0.00844
rs10518108	4	73794412	A	0.01261
rs11935685	4	73827020	T	0.00949
rs2366714	4	74072815	A	0.00998
rs4694155	4	74150390	T	0.00279
rs9291182	4	74313364	T	0.01320
rs10938086	4	74615570	A	0.00951
rs1951242	4	74836146	A	0.00953
rs10938095	4	74845025	A	0.01579

rs6828409	4	75431587	G	0.01437
rs6854845	4	75965689	C	0.01079
rs6827697	4	76204933	G	0.00936
rs17000197	4	76215877	A	0.00170
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rs4859581	4	77125998	G	0.00467
rs4422436	4	77196808	G	0.00142
rs11114091	4	77363283	A	0.00115
rs2289514	4	77396841	T	0.01144
rs6819794	4	77397403	T	0.00894
rs11721509	4	77652912	T	0.01115
rs35471029	4	77909836	C	0.00949
rs1874564	4	78077129	A	0.00148
rs9307224	4	78095863	T	0.00003
rs904032	4	78132337	C	0.00836
rs904033	4	78132395	A	0.00282
rs11097684	4	78264709	A	0.00819
rs17002578	4	78492170	T	0.01579
rs41476645	4	78563409	A	0.00992
rs12644936	4	78564144	T	0.01233
rs17002700	4	78636561	C	0.01656
rs41496046	4	78760362	A	0.00008
rs4859879	4	78941339	T	0.01475
rs11097938	4	78954919	A	0.00689
rs4577601	4	79077539	A	0.01441
rs12641050	4	79143992	A	0.00249
rs7657082	4	79755464	A	0.01195
rs1545805	4	80133431	T	0.00531
rs1383421	4	80154502	G	0.00596
rs899900	4	80158557	G	0.00483
rs17003582	4	80168623	T	0.01194
rs2604828	4	80202969	C	0.00253
rs6817424	4	81217787	C	0.01208
rs2903651	4	81222545	C	0.01508
rs12650677	4	81442178	T	0.01114
rs6822305	4	81471743	T	0.01047
rs7683819	4	81597990	G	0.01338
rs4346635	4	81705296	A	0.00990
rs10025495	4	81759113	T	0.00543
rs10213174	4	82053941	C	0.01272
rs10004901	4	82116029	G	0.01190
rs2685468	4	82208527	C	0.00355
rs7675843	4	82254091	G	0.00603
rs13128387	4	82636616	G	0.00835

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rs6839535	4	82829803	C	0.00426
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rs4693369	4	82890258	A	0.00549
rs7676420	4	83784882	G	0.01235
rs7685043	4	84011522	C	0.00747
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rs763540	4	85594591	C	0.01280
rs11728145	4	85903170	G	0.00578
rs17387199	4	86659782	C	0.00863
rs1994069	4	86686809	G	0.01548
rs346500	4	87072582	A	0.00695
rs17012007	4	87844757	C	0.00163
rs10015508	4	88013326	G	0.01325
rs6811350	4	88018240	G	0.00878
rs431836	4	88192729	T	0.00831
rs11733008	4	88890962	G	0.00678
rs7696304	4	89179022	G	0.00128
rs10024717	4	89438669	C	0.00781
rs2602117	4	89848089	A	0.00929
rs17014666	4	89983966	T	0.01238
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rs1442143	4	90955047	T	0.01127
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rs12649663	4	91142273	G	0.00454
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rs4693266	4	92337328	G	0.00571
rs12646638	4	92599947	G	0.00654
rs9991015	4	92739442	C	0.00822
rs10014070	4	92740065	A	0.00498
rs10213431	4	92857897	A	0.00087
rs4513527	4	92975976	C	0.01569
rs6858269	4	93237113	C	0.00220
rs6837448	4	93254945	C	0.01261
rs7691723	4	94404728	G	0.00859
rs4699421	4	96474594	T	0.00514
rs2621455	4	96515157	C	0.00517
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rs10017332	4	96561773	T	0.00754
rs11097493	4	97239637	A	0.01389
rs10006108	4	98143036	G	0.01422
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rs4699345	4	99685529	T	0.00391
rs4235430	4	99887334	T	0.01066
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rs17216446	4	100195669	A	0.00706
rs13134954	4	100932644	A	0.00943
rs11735070	4	100932788	C	0.00480
rs10516464	4	101552381	T	0.00596
rs1846878	4	101600793	G	0.01641
rs1392880	4	101714865	G	0.00639
rs7695269	4	101963692	A	0.00671
rs12647454	4	102081481	A	0.01504
rs2119601	4	102392909	T	0.00437
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rs1598859	4	103725482	A	0.01087
rs4648068	4	103737343	A	0.01640
rs2725771	4	105978188	A	0.00342
rs3886330	4	105991543	C	0.00989
rs6533163	4	106013709	T	0.01433
rs17035270	4	106255994	G	0.01337
rs2726506	4	106528167	A	0.01320
rs4699182	4	106633149	C	0.00475
rs7672413	4	106698459	T	0.00505
rs2866792	4	106708112	A	0.00328
rs11930965	4	106814074	C	0.01500
rs10028834	4	108073042	C	0.01110
rs17037205	4	108142950	G	0.00744
rs403608	4	108235182	A	0.00078
rs10155071	4	108323818	C	0.00488
rs2726164	4	108685112	G	0.00292
rs11097982	4	109510233	A	0.00445
rs1405159	4	110115596	A	0.00078
rs1648016	4	110149096	A	0.01191
rs3108958	4	110227110	T	0.00847
rs12646527	4	110227270	T	0.01220
rs10026219	4	110430566	A	0.01366
rs4541508	4	110901936	G	0.01365
rs9991367	4	111113750	A	0.00412
rs17552333	4	111652858	A	0.00467
rs6852021	4	111963561	A	0.00443
rs9307361	4	112168892	G	0.01590
rs159476	4	112171839	C	0.00940
rs159471	4	112180135	G	0.01072
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rs17446453	4	114641161	A	0.00819
rs4834347	4	114645383	A	0.00769
rs11098193	4	114648856	A	0.01373
rs6821520	4	114732247	T	0.01205
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rs3924717	4	115460993	A	0.00147
rs4385142	4	115660061	A	0.01652
rs41352946	4	115668021	T	0.01194
rs9991654	4	116010529	T	0.01278
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rs17048529	4	117544399	G	0.01471
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rs10026533	4	121913509	C	0.01162
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rs4532258	4	122156529	G	0.00533
rs34766411	4	122177009	G	0.00626
rs6829190	4	122203473	T	0.00343
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rs13138476	4	122220644	G	0.00197
rs13128284	4	122235041	C	0.01092
rs2102646	4	122608859	C	0.01278
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rs925243	4	126534484	A	0.00497
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rs11932292	4	127027641	A	0.01100
rs16997921	4	127865196	T	0.00854
rs17291185	4	128212158	A	0.01390
rs967534	4	128379976	C	0.00741
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rs7655151	4	129516372	T	0.01511
rs17013256	4	129532392	C	0.01131
rs1980945	4	130348262	T	0.01184
rs587191	4	130633524	G	0.00552
rs958409	4	131253674	C	0.01025
rs2172478	4	131281403	C	0.01330
rs1552802	4	131281674	A	0.00972
rs4473663	4	131601175	C	0.01407
rs6845004	4	131632208	G	0.00458
rs2861394	4	132429544	A	0.00813
rs6847963	4	133143041	T	0.00246
rs1511333	4	133148446	G	0.00188
rs17468426	4	133148931	C	0.00007
rs1499348	4	133572980	A	0.00303
rs1875024	4	133615345	T	0.01410
rs7671052	4	134324454	C	0.01149
rs7691662	4	135291303	G	0.01101
rs7663402	4	135469395	G	0.00490
rs7654065	4	136731472	T	0.00150
rs7692855	4	136735906	A	0.01371
rs11737477	4	136740519	T	0.01158
rs13119704	4	136748977	A	0.00115
rs6811227	4	136870694	A	0.01293
rs17048200	4	136918253	T	0.00979
rs11730105	4	136929875	T	0.00191
rs12510799	4	136934225	G	0.01593
rs1870567	4	137887076	G	0.01393
rs17619365	4	137954379	G	0.00580
rs10519401	4	137998350	A	0.01171

rs1598567	4	138207018	T	0.00956
rs7698992	4	138586502	G	0.00426
rs12648234	4	140347897	T	0.01505
rs17050884	4	140861707	G	0.01625
rs6835548	4	140863594	T	0.00736
rs4863683	4	140895835	C	0.01219
rs6818154	4	140907901	T	0.00098
rs795985	4	141009888	T	0.00436
rs769686	4	141069202	T	0.00090
rs17313183	4	141107288	T	0.01000
rs11100483	4	141241767	T	0.00464
rs2036947	4	141475312	A	0.01665
rs996116	4	141484584	C	0.01662
rs4956293	4	141509306	C	0.01374
rs358315	4	141524043	A	0.01150
rs358317	4	141524729	A	0.00388
rs358332	4	141534172	A	0.00219
rs7698088	4	141771058	T	0.00834
rs11725890	4	141912965	T	0.01550
rs6817432	4	141942954	C	0.00399
rs970509	4	142897271	G	0.01263
rs10033884	4	142898776	G	0.00796
rs4254850	4	142907840	A	0.01411
rs10011008	4	143067127	C	0.00731
rs7663877	4	143070590	A	0.01443
rs1580840	4	143146381	C	0.00177
rs2645799	4	143193708	C	0.00139
rs2667099	4	143195291	C	0.01225
rs1353603	4	143222465	C	0.01070
rs2627829	4	143334179	G	0.01104
rs6835296	4	143674737	T	0.01042
rs5016160	4	144878908	G	0.01222
rs12510585	4	145412189	G	0.01309
rs11100847	4	145441160	G	0.00918
rs6537278	4	145477389	C	0.00875
rs6537302	4	145807566	A	0.01047
rs17020919	4	147178052	T	0.00663
rs891382	4	147371790	C	0.00171
rs41398848	4	147662987	A	0.01351
rs17021632	4	147752642	G	0.00872
rs17021660	4	147762864	C	0.01044
rs17021984	4	147959961	G	0.01540
rs12503342	4	148056414	A	0.01279
rs4399964	4	148303755	T	0.00249

rs1429117	4	148560383	G	0.00818
rs17023259	4	148581870	A	0.00686
rs10519914	4	148897061	T	0.01584
rs12513192	4	149038027	C	0.00159
rs17024456	4	149319702	G	0.00881
rs3846307	4	149358086	C	0.00646
rs2461796	4	149909433	T	0.00494
rs10021639	4	150054931	C	0.01632
rs1438765	4	150349311	C	0.00668
rs1553427	4	150652365	G	0.01039
rs4634199	4	151173679	A	0.01569
rs11932482	4	151665241	A	0.00236
rs17275584	4	152742777	G	0.00277
rs17027958	4	153002089	G	0.00466
rs17276464	4	153248310	G	0.00487
rs2897464	4	153310773	A	0.01042
rs4586908	4	153313090	G	0.01422
rs6839665	4	153844477	C	0.00271
rs1516689	4	154239518	A	0.00494
rs10009522	4	154382844	C	0.00542
rs1371653	4	154526003	T	0.00165
rs3804099	4	154844106	T	0.00707
rs17371545	4	154983430	G	0.00839
rs997850	4	155057884	G	0.00103
rs1500394	4	155987069	A	0.01599
rs6832964	4	155991081	T	0.01623
rs1500370	4	155991353	G	0.01241
rs4463024	4	156284216	G	0.00562
rs17377596	4	156501572	G	0.01093
rs6826142	4	157029976	A	0.00635
rs7671586	4	157152014	T	0.00506
rs10517631	4	157309355	C	0.01176
rs1490567	4	157622130	A	0.00917
rs6811244	4	157754977	T	0.01644
rs7672387	4	157771848	C	0.00752
rs7682779	4	158739512	T	0.00413
rs41494044	4	159394489	T	0.00879
rs11728753	4	159401857	C	0.01467
rs2291007	4	160047778	T	0.01359
rs9998057	4	160054590	C	0.01075
rs2707671	4	160634843	T	0.01054
rs998886	4	160714504	G	0.01600
rs6835919	4	161525531	C	0.01508
rs34082346	4	161529034	T	0.01369

rs1898866	4	161529827	G	0.01335
rs7677076	4	161530598	T	0.00216
rs8180366	4	161935753	C	0.00335
rs13128164	4	161937609	G	0.00820
rs6838547	4	162014886	T	0.00746
rs2068177	4	162151909	A	0.01148
rs17375482	4	162231847	A	0.01052
rs10022176	4	162252238	T	0.00767
rs13130537	4	162937822	A	0.00160
rs10016003	4	163001732	G	0.00790
rs45426	4	163113553	C	0.00169
rs17538472	4	163257691	G	0.01237
rs6812566	4	163445860	C	0.00822
rs7675931	4	163454734	C	0.01247
rs195891	4	163752167	C	0.00585
rs7655870	4	163835337	A	0.01169
rs10517771	4	163906222	G	0.01444
rs7679637	4	163931875	A	0.01082
rs4057780	4	164495979	C	0.00892
rs17610283	4	164559816	G	0.00686
rs10213166	4	164740516	T	0.00703
rs12500778	4	164939833	G	0.00058
rs6814461	4	165835450	T	0.00352
rs12500546	4	166018436	G	0.00326
rs4690796	4	166092275	G	0.00370
rs1438111	4	166504639	A	0.01392
rs7663386	4	166585980	G	0.00855
rs17504041	4	166809379	A	0.00522
rs17047207	4	167176102	T	0.00682
rs6837937	4	167318791	G	0.01285
rs17047336	4	167319366	A	0.01041
rs7664643	4	168181330	C	0.00640
rs6818745	4	168193181	G	0.00221
rs12505330	4	168378522	C	0.01340
rs992771	4	168722326	T	0.00877
rs10517948	4	168761544	T	0.01357
rs13129385	4	168821802	T	0.00221
rs6854037	4	169987574	G	0.00214
rs12507746	4	170916769	G	4.54700
rs2955270	4	171085739	A	0.00262
rs531210	4	171319526	T	0.00227
rs1522600	4	171386286	T	0.01105
rs17055545	4	171439939	C	0.00414
rs4692825	4	171529500	A	0.01396

rs1157749	4	171677589	G	0.01350
rs435979	4	171763310	G	0.01520
rs9994424	4	171821698	T	0.01449
rs5009480	4	171823438	A	0.00839
rs10029768	4	171871392	G	0.00349
rs17056458	4	172269070	C	0.01268
rs4692870	4	172384937	C	0.00069
rs1565468	4	172863064	T	0.00286
rs17057526	4	173032406	C	0.00366
rs2172192	4	173241159	A	0.01232
rs17058017	4	173241632	C	0.00938
rs41516045	4	173366322	T	0.00291
rs17222718	4	173445368	C	0.00563
rs6841156	4	173889675	T	0.00092
rs13134194	4	173922367	C	10.35100
rs6819460	4	173933544	G	0.01505
rs17325472	4	174559706	C	0.00191
rs13148735	4	174559803	C	0.00914
rs10520270	4	175283560	T	0.00613
rs6836227	4	175306818	T	0.00997
rs10520286	4	175712320	T	0.00120
rs1994701	4	176027903	G	0.01048
rs2127292	4	176166505	T	0.00026
rs330504	4	176317657	G	0.00839
rs12505348	4	176429349	T	0.00121
rs17061762	4	176815078	A	0.01312
rs6829241	4	177267544	C	0.01404
rs6832177	4	177350830	A	0.00773
rs4589981	4	177402176	A	0.00419
rs4690671	4	177402550	T	0.00127
rs13115859	4	177461443	G	0.00465
rs4077385	4	177465508	T	0.00595
rs12331837	4	177465879	T	0.01087
rs11133144	4	177466713	C	0.00094
rs7693835	4	178527758	C	0.00674
rs13135116	4	178904409	C	0.01467
rs2666063	4	179533035	T	0.00046
rs364687	4	179903060	G	0.01565
rs9312239	4	180199353	A	0.01421
rs28675693	4	180261121	T	0.01458
rs10016804	4	180286027	G	0.01347
rs1457394	4	180407643	G	0.01407
rs1457392	4	180407774	T	0.00868
rs7658508	4	180584359	A	0.01260

rs2584433	4	180753885	A	0.00778
rs6552375	4	180754445	A	0.01113
rs13125519	4	180915220	T	0.01045
rs10866234	4	181468074	A	0.00647
rs10029127	4	181581933	T	0.00246
rs17178678	4	181582068	C	0.00682
rs17070060	4	181893560	A	0.01456
rs12639725	4	182605472	A	0.00263
rs12331239	4	182702239	C	0.00661
rs17270544	4	182766563	T	0.01310
rs4453971	4	182929392	G	0.00949
rs17072756	4	183232158	A	0.01315
rs13148469	4	183509306	G	0.01139
rs6552560	4	183529623	T	0.00453
rs11945229	4	183614918	G	0.01095
rs3924788	4	184044359	T	0.01497
rs1377943	4	184166575	G	0.01268
rs1467097	4	184539366	G	0.00185
rs6816216	4	184613845	A	0.00164
rs11723316	4	184652332	C	0.00559
rs13132455	4	184896441	A	0.01602
rs987465	4	184951955	G	0.00477
rs17090674	4	185156464	A	0.01055
rs1863316	4	185627449	T	0.00797
rs2171838	4	185904398	G	0.00116
rs7672399	4	186046913	A	0.00778
rs6552838	4	186047130	C	0.00000
rs4466084	4	186130980	T	0.01042
rs4862528	4	186596985	C	0.01209
rs2306707	4	186796103	A	0.00525
rs10028428	4	186936578	A	0.01033
rs4861696	4	187172829	A	0.01023
rs6842047	4	187370570	A	0.00060
rs6845924	4	187629793	G	0.00964
rs397321	4	188052641	A	0.01017
rs6553029	4	188113464	G	0.01160
rs6821507	4	188113823	G	0.00989
rs766772	4	188314010	A	0.00670
rs427462	4	189539641	C	0.00815
rs13107630	4	189602503	T	0.00922
rs1395612	4	189670284	C	0.01178
rs10018432	4	189674080	C	0.00900
rs6833298	4	189985301	C	0.00190
rs6553249	4	190065331	G	0.00305

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rs7684484	4	190362801	C	0.00656
rs7684496	4	190362818	G	0.01360
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rs17563576	5	613476	G	0.01291
rs12656150	5	875123	A	0.00057
rs3747739	5	936065	G	0.00045
rs10038119	5	2045286	A	0.00074
rs7733952	5	2411493	C	0.00246
rs16869878	5	2576761	G	0.00492
rs1466054	5	2609337	G	0.01357
rs7702236	5	2656309	A	0.00773
rs6555117	5	2688891	C	0.00986
rs17673214	5	2961851	G	0.01593
rs13167386	5	3102987	T	0.00194
rs16870933	5	3103455	T	0.01330
rs10041553	5	3103780	T	0.01094
rs1971938	5	3129318	A	0.00284
rs32723	5	3504906	G	0.00729
rs3938039	5	4229833	G	0.01363
rs1501737	5	4360636	A	0.01627
rs261189	5	4378585	G	0.01645
rs261187	5	4378739	T	0.01617
rs261182	5	4379793	A	0.01119
rs261181	5	4380302	T	0.01180
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rs261163	5	4394950	A	0.01418
rs261150	5	4405277	T	0.01569
rs261130	5	4429717	G	0.00528
rs2619802	5	5145343	C	0.01054
rs987587	5	5145444	C	0.01313
rs12658487	5	5274568	T	0.00158
rs890770	5	5319740	T	0.00702
rs1863943	5	5450165	T	9.66600
rs4702266	5	5450628	A	0.00442
rs252614	5	5623992	G	0.00500
rs2399610	5	5790796	G	0.01554
rs7443606	5	5790979	T	0.00251
rs441356	5	5803573	T	0.00696
rs35740	5	5879215	A	0.00061
rs6890159	5	5959041	A	0.00696
rs1150461	5	5964381	A	0.01663
rs1150462	5	5964422	C	0.01667
rs160126	5	6009806	C	0.00872

rs1379305	5	6342200	A	0.00914
rs12520404	5	6376989	T	0.01165
rs16877663	5	6661629	G	0.00194
rs4701757	5	6992018	A	0.00328
rs4298226	5	7255635	G	0.00105
rs13186772	5	7269226	T	0.00314
rs4302553	5	7272495	G	0.01349
rs10068942	5	7579847	G	0.00423
rs4701786	5	7585455	C	0.01646
rs17827533	5	7594566	A	0.00161
rs326187	5	7890843	T	0.01597
rs2388771	5	7970137	T	0.01640
rs6866169	5	8048509	T	0.00024
rs4461605	5	8492356	C	0.00625
rs2962720	5	9062675	T	0.00711
rs17196572	5	9351117	C	0.00593
rs1018956	5	9363216	C	0.01607
rs3777324	5	9372587	C	0.01017
rs2696372	5	9406888	T	0.00094
rs1205719	5	9409053	G	0.00501
rs3822803	5	9511879	A	0.00690
rs12659136	5	9518523	T	0.01304
rs7735345	5	9570081	A	0.00033
rs16883210	5	9628210	A	0.01482
rs194070	5	9737672	C	0.00369
rs11738850	5	10095771	G	0.01498
rs16884161	5	10170459	G	0.00956
rs11742483	5	10284467	G	0.00346
rs938451	5	10578616	G	0.00295
rs852620	5	11064945	A	0.00747
rs31837	5	11450573	A	0.00879
rs10053983	5	11859254	A	0.00459
rs16902029	5	12169668	G	0.00696
rs2968097	5	12251381	T	0.00903
rs2400152	5	12423166	T	0.00522
rs7715286	5	12449987	A	0.00003
rs17164354	5	13188508	C	0.00944
rs17210178	5	13259703	A	0.01475
rs12691269	5	13336522	A	0.01197
rs32394	5	14276271	T	0.01432
rs17302408	5	14336073	C	0.01035
rs26182	5	14523509	C	0.00537
rs25943	5	14701689	G	0.01040
rs10475028	5	14816229	T	0.01203

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rs16903769	5	15040953	T	0.01486
rs6881461	5	15073458	A	0.01108
rs301078	5	15193902	T	0.00673
rs29965	5	16427042	C	0.00147
rs154791	5	16502037	A	0.01138
rs334470	5	16565364	A	0.00107
rs1240649	5	16612581	G	0.00392
rs149447	5	16648199	T	0.00949
rs181940	5	16755375	C	0.00266
rs253313	5	16924809	T	0.01138
rs39896	5	16967516	T	0.01528
rs10045328	5	17022392	A	0.01437
rs297200	5	17190115	G	0.01616
rs2731796	5	17206618	C	0.01265
rs6894826	5	17554965	T	0.00251
rs6450583	5	17713466	G	0.01369
rs6867384	5	18057727	G	0.01263
rs583360	5	18192076	A	0.00460
rs314021	5	18355536	C	0.00580
rs16886698	5	18755054	T	0.01239
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rs10940990	5	19026601	A	0.01634
rs16885921	5	19523315	C	0.00922
rs6869352	5	19916375	A	0.01234
rs4866161	5	19938472	G	0.01285
rs11960225	5	19947442	T	0.00923
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rs1703047	5	20594515	C	0.00947
rs2115342	5	20626831	T	0.01246
rs2388468	5	20950456	T	0.00971
rs248194	5	21174112	T	0.00490
rs7445981	5	22071307	C	0.01138
rs4701563	5	22072008	T	0.01102
rs16893106	5	24123313	G	0.00994
rs1428371	5	24472348	T	0.01045
rs6452255	5	25364578	G	0.00311
rs168843	5	25775740	A	0.00634
rs1585798	5	25784003	G	0.00669
rs1678935	5	25786763	T	0.01119
rs10942147	5	25946686	T	0.00573
rs6862624	5	25947094	C	0.00972
rs11954820	5	26011809	A	0.00334
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rs11948589	5	27580527	A	0.00901
rs4585457	5	27735627	A	0.01241
rs10072478	5	28472749	T	0.01543
rs13355546	5	28500650	G	0.00242
rs11952771	5	28714271	C	0.01249
rs2059188	5	28721624	A	0.00965
rs2618415	5	29077660	C	0.00788
rs1692334	5	29082619	A	0.01616
rs602489	5	29088439	T	0.00464
rs4621571	5	29256280	T	0.01634
rs4620035	5	29296330	C	0.00961
rs9784631	5	29361320	A	0.00349
rs16899249	5	29690997	A	0.00041
rs1428323	5	29947791	A	0.01011
rs41433547	5	30675417	G	0.01018
rs10520976	5	30893519	G	0.00114
rs497441	5	31496174	C	0.01653
rs17413207	5	31716798	A	0.00159
rs16901543	5	31804937	A	0.00847
rs12697260	5	31836366	T	0.00909
rs16889543	5	32295529	A	0.00156
rs696836	5	32770165	C	0.00953
rs6893739	5	33634555	A	0.00599
rs4409096	5	33753637	C	0.01292
rs16891720	5	33824071	G	0.01157
rs41517251	5	34091805	C	0.01407
rs4703378	5	34565370	G	0.00407
rs10521018	5	34889768	G	0.01149
rs4703503	5	35198519	T	0.00654
rs32784	5	35418110	A	0.01021
rs6895801	5	35799673	A	0.00673
rs10044838	5	35900347	A	0.00212
rs10491434	5	35913671	G	0.01130
rs17285269	5	36438551	A	0.00173
rs2731888	5	36559672	T	0.01404
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rs1363927	5	37897338	T	0.00571
rs6874732	5	38141194	C	0.00580
rs10044233	5	38194423	C	0.00327
rs11748742	5	38703445	C	0.00356
rs16867716	5	38803308	T	0.01048
rs700242	5	39420645	T	0.00135
rs2939316	5	39585791	C	0.01072
rs3947262	5	39616920	C	0.00857

rs538752	5	39941872	C	0.00048
rs1159011	5	40174561	A	0.00905
rs1366020	5	40174838	T	0.00834
rs1505992	5	40534334	T	0.01540
rs1553576	5	40545412	A	0.01430
rs1553577	5	40545764	T	0.01084
rs4957313	5	40551279	G	0.00913
rs6896604	5	40551774	T	0.01446
rs6866402	5	40553088	A	0.01591
rs4957317	5	40553482	G	0.00742
rs10941516	5	40557969	A	0.01631
rs7718129	5	40564436	C	0.00084
rs11750156	5	40597115	G	0.00478
rs10055860	5	40605710	C	0.01357
rs10055946	5	40605832	G	0.01492
rs1122433	5	40614679	T	0.00371
rs2135330	5	40637966	G	0.00134
rs10473203	5	40642051	A	0.00954
rs13362106	5	41046454	A	0.01028
rs11750584	5	41129616	C	0.01107
rs2194208	5	41324009	A	0.00689
rs318070	5	41480555	C	0.01028
rs35712799	5	41485655	C	0.00104
rs7733683	5	41646914	G	0.01226
rs11739609	5	41656596	G	0.00927
rs3851448	5	41661649	T	0.01236
rs309923	5	43004886	T	0.00791
rs186322	5	43020395	A	0.00259
rs12523231	5	45264593	A	0.00081
rs12514062	5	51854141	C	0.01168
rs7723161	5	51860390	A	0.00173
rs830867	5	51952667	C	0.00824
rs117931	5	52489623	A	0.01659
rs2112876	5	52514472	G	0.01259
rs254481	5	52531439	G	0.00199
rs37809	5	52609049	C	0.00468
rs37787	5	52677813	C	0.00184
rs11950121	5	53214714	C	0.00946
rs697112	5	53296436	A	0.01196
rs278065	5	53484158	A	0.00130
rs4141522	5	53656359	A	0.00032
rs968813	5	53690381	C	0.00075
rs12515791	5	53708606	G	0.01476
rs6414829	5	54003879	T	0.00349

rs6880771	5	54093808	C	0.00497
rs10045790	5	54126295	T	0.00723
rs4380600	5	54129781	C	0.01198
rs1023671	5	54300768	T	7.65100
rs17346478	5	54301303	T	0.01106
rs3822313	5	54310631	T	0.00349
rs12513672	5	54862165	G	0.00063
rs10062991	5	55205610	T	0.01183
rs1997522	5	55687334	T	0.01332
rs16885269	5	55687579	A	0.01341
rs6892034	5	55689646	G	0.00356
rs1645483	5	55692632	C	0.01195
rs190820	5	55760461	T	0.00375
rs30361	5	55867652	C	0.00605
rs831793	5	56385936	G	0.00242
rs865553	5	56386202	C	0.01446
rs1002533	5	56443201	C	0.01442
rs4699908	5	56950018	A	0.00257
rs2968223	5	56965947	A	0.00052
rs1835873	5	57170807	T	0.01037
rs4541617	5	57251185	C	0.00408
rs2910601	5	57519118	A	0.00221
rs16888672	5	58162338	C	0.00192
rs1498599	5	58390789	G	0.01076
rs6877508	5	58607758	C	0.00006
rs16889904	5	58818597	G	0.01003
rs920190	5	58983746	A	0.00814
rs10042020	5	59199583	G	0.01272
rs1003219	5	59200750	T	0.00922
rs10939851	5	59877118	T	0.00624
rs152341	5	59881720	T	0.00996
rs6449503	5	60131029	A	0.01177
rs290505	5	60332313	T	0.00134
rs11954384	5	60547184	C	0.00058
rs581318	5	60551551	A	0.01476
rs4582229	5	60884502	A	0.01279
rs13177031	5	60889280	T	0.01253
rs153385	5	60939403	A	0.00152
rs971965	5	61597678	T	0.00691
rs13189446	5	61608746	G	0.01461
rs16890651	5	61665296	G	0.00679
rs40290	5	61852899	A	0.01079
rs2591786	5	62105308	A	0.00624
rs7715472	5	62109454	C	0.00646

rs2642781	5	62110935	C	0.00672
rs16892078	5	62967102	C	0.00346
rs17484704	5	63257177	C	0.01217
rs168558	5	63426154	C	3.06000
rs1389864	5	63532936	G	0.00459
rs1374031	5	63639566	A	0.00383
rs4432837	5	63929058	G	0.01430
rs2968199	5	64305176	T	0.00463
rs6449781	5	64643239	A	7.29200
rs2640717	5	64676668	C	0.01529
rs9291837	5	64743875	C	6.06600
rs2047064	5	64769683	C	0.01437
rs6449791	5	65130878	C	0.01648
rs10055584	5	65239180	A	0.00579
rs16894638	5	65304426	C	0.00428
rs7732890	5	65577170	A	0.01290
rs2801646	5	65676212	A	0.00022
rs7700850	5	65930218	A	0.00103
rs33696	5	66114070	G	0.01548
rs10056426	5	66239371	G	0.01139
rs1363933	5	66279477	A	0.00082
rs2042945	5	66506805	G	0.01356
rs2230524	5	66514485	G	0.01134
rs5744489	5	66522922	T	0.01259
rs6893676	5	67589527	C	0.01332
rs2302976	5	67605358	G	0.01369
rs695166	5	67640384	C	0.00755
rs440292	5	67645164	C	0.01039
rs16897721	5	67685367	C	0.00074
rs17324835	5	67959214	A	0.00265
rs2607374	5	67995681	C	0.00486
rs7721127	5	68062860	T	0.00639
rs6891897	5	68078239	A	0.00956
rs2451819	5	68100520	A	0.00363
rs1427906	5	68166377	G	0.01209
rs41393950	5	70994601	A	0.00580
rs1217778	5	71402652	T	0.01449
rs1217782	5	71402819	G	0.01369
rs4703855	5	71729655	C	0.00163
rs4703908	5	71802603	G	0.01474
rs406813	5	71873362	G	0.00158
rs10061469	5	72553904	C	0.00996
rs343112	5	72916455	A	0.01368
rs17552447	5	73037135	G	0.00570

rs716707	5	73133625	G	0.00352
rs1018119	5	74922140	G	0.00998
rs34354	5	75089238	G	0.01436
rs4704267	5	75259821	G	0.01193
rs11741865	5	75532899	A	0.00879
rs246807	5	75677786	T	0.01021
rs17748061	5	75867612	T	0.00682
rs406217	5	75962783	G	0.00187
rs7721799	5	76286134	G	0.00117
rs3762982	5	76359244	T	0.00425
rs13160107	5	76753339	T	0.01486
rs335628	5	76765294	C	0.00259
rs3797642	5	76784682	T	0.00808
rs254378	5	77093252	T	0.00215
rs254411	5	77115613	A	0.00724
rs2028596	5	77206506	G	0.01437
rs10447178	5	77224047	G	0.00866
rs10068036	5	77612443	C	0.00187
rs1560198	5	77804349	G	0.00975
rs10052968	5	77939018	G	0.00672
rs10514108	5	78141103	T	0.01648
rs12054837	5	78142127	C	0.00699
rs12153089	5	78303950	T	0.01625
rs6453423	5	78304645	T	0.00116
rs6897944	5	78306219	A	16.14800
rs2909854	5	78465469	G	0.00927
rs16876720	5	78696992	C	0.01000
rs2404150	5	78735782	A	5.18600
rs7709092	5	78749824	A	0.00414
rs264995	5	79199168	C	0.00067
rs16877612	5	79551044	T	0.00188
rs6151892	5	80154637	A	0.01382
rs34122	5	80473812	A	0.01337
rs4703516	5	80690722	A	0.00197
rs10474035	5	80962576	A	0.00718
rs401654	5	81104103	A	0.00822
rs6452435	5	81238737	A	0.01496
rs224963	5	81729650	G	0.00262
rs6876647	5	81956240	G	0.00741
rs9293317	5	82192914	A	0.01223
rs33596	5	82783992	A	0.00709
rs28296	5	82795773	G	0.01077
rs1193353	5	82866432	A	0.00110
rs309586	5	82893803	A	0.01402

rs2301103	5	83466967	A	0.01312
rs10462409	5	83757549	C	0.00894
rs12515472	5	84234018	G	0.01091
rs7446072	5	84545996	G	0.00006
rs6452647	5	84576005	G	0.01026
rs2931116	5	84639708	C	0.01282
rs307311	5	84729376	A	0.01365
rs467359	5	84869510	C	0.00916
rs2898534	5	85267170	A	0.00271
rs12521073	5	85303222	T	0.00946
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rs13174529	5	86078043	A	0.01527
rs7708890	5	87213272	T	0.00167
rs6877822	5	87433316	T	0.00051
rs12654053	5	87828240	A	0.01509
rs324889	5	87943259	T	0.00102
rs4916663	5	88338086	T	7.59400
rs6452806	5	88355663	A	8.95800
rs1427967	5	88364322	C	7.39200
rs13185032	5	88364920	C	0.00844
rs1159666	5	88370749	C	0.01183
rs9986241	5	88409794	G	0.00184
rs4916669	5	88428880	G	9.03500
rs9293511	5	88452110	A	0.00580
rs1852721	5	88823450	G	0.00415
rs6452825	5	88824241	G	0.01166
rs10474312	5	89312242	C	0.00570
rs818944	5	89400075	A	0.00462
rs157559	5	89425015	C	0.01517
rs924628	5	89440658	A	0.01273
rs7349816	5	89687355	G	0.01150
rs4916821	5	90126155	G	0.00148
rs4916858	5	90637046	C	0.00140
rs1862555	5	91293683	G	0.01050
rs10037896	5	91580040	G	0.00540
rs13189339	5	91659328	T	0.00885
rs4434363	5	92620422	T	0.01053
rs6557074	5	92637414	C	0.00650
rs10060331	5	93045806	T	0.00440
rs2344918	5	93147477	T	0.00884
rs7378943	5	93574048	G	0.00738
rs981862	5	93641222	A	0.00659
rs2160758	5	93806178	A	0.01534
rs13178274	5	93807278	C	0.01007

rs9285014	5	93821888	T	0.00808
rs17084109	5	94179269	C	0.01043
rs40590	5	94248164	G	0.01192
rs2731823	5	94756335	T	0.00663
rs3777190	5	95273728	G	0.00836
rs17473575	5	95875079	A	0.00748
rs6877870	5	95907773	A	0.00038
rs26503	5	96104065	C	0.00019
rs42398	5	96146211	C	0.00420
rs34735	5	96191820	G	0.00527
rs316223	5	96439423	G	0.00034
rs7701806	5	96701855	T	0.00404
rs291827	5	96783901	G	0.00889
rs11135533	5	97240561	C	0.01248
rs17653177	5	97290848	C	2.57400
rs469930	5	97997020	C	0.01394
rs330419	5	98221064	A	0.00938
rs1916599	5	98802139	G	0.00479
rs2511902	5	98802264	T	0.01258
rs2461991	5	98821231	C	0.00586
rs2461953	5	98848971	C	0.00009
rs681634	5	98959050	G	0.01078
rs1462419	5	99080579	G	0.01109
rs7447852	5	99152807	C	0.00420
rs11241243	5	99172882	G	0.00042
rs6878343	5	99181038	T	0.01020
rs3844092	5	99249586	A	0.00693
rs3844091	5	99249653	T	0.01430
rs4455602	5	99249738	T	0.00678
rs2924611	5	99278995	G	0.00074
rs10054412	5	99332774	G	0.00490
rs10070116	5	99350463	G	0.01133
rs11948786	5	99379483	G	0.00799
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rs1833862	5	100271404	T	0.00701
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rs11747250	5	101451626	G	0.01337

rs1376896	5	101774746	G	0.00827
rs17333350	5	101842508	T	0.00813
rs3105476	5	101980425	T	0.00445
rs3756583	5	102361943	A	0.00108
rs34823	5	102466190	T	0.00089
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rs2545657	5	103056635	T	0.00786
rs4703022	5	103367627	C	0.01638
rs6887182	5	103415779	T	0.00600
rs1420864	5	103445285	T	0.00706
rs2707407	5	103482656	A	0.01406
rs17156145	5	103492704	G	0.01395
rs1530303	5	103751354	T	0.01569
rs6892243	5	104206688	C	0.01025
rs1708591	5	104230671	A	0.01389
rs4373259	5	104839516	A	0.01330
rs286725	5	105165477	G	0.00707
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rs11242576	5	105646376	A	0.01655
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rs17159340	5	106309005	A	0.01426
rs365807	5	106741517	A	0.00431
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rs395561	5	106889874	A	0.00537
rs17160261	5	106982444	A	0.00553
rs13361436	5	107039611	A	0.00104
rs3846694	5	107194401	G	0.00074
rs7730156	5	107227719	T	0.01508
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rs6897334	5	109072457	G	0.00482
rs7711326	5	109203522	A	0.01279
rs2007136	5	109220135	A	0.01175
rs1368356	5	109223156	A	0.00168
rs245243	5	109258634	T	0.00590
rs42924	5	109272818	G	0.00045
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rs5023585	5	109381500	G	0.01276
rs9790859	5	109606900	T	0.01028
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rs17458866	5	110875631	C	0.00753
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rs6594630	5	111960644	C	0.01154

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rs10072756	5	113023674	A	0.01609
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rs2605177	5	114744901	A	0.00713
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rs10079000	5	114968099	C	0.01179
rs10055339	5	115001019	T	0.01343
rs6881698	5	115278171	A	0.01549
rs17138649	5	115374751	C	0.01641
rs2136210	5	115412245	T	0.00113
rs250323	5	115674895	G	0.00597
rs1073205	5	115689716	A	0.01201
rs17431959	5	115815033	G	0.01434
rs2964653	5	116056539	G	0.01076
rs698384	5	116228753	G	0.00577
rs6594987	5	116256211	T	0.01625
rs7706388	5	116292986	A	0.01479
rs265899	5	116915922	T	0.01439
rs265900	5	116916065	A	0.00995
rs267074	5	116952228	G	0.00116
rs371616	5	117001959	A	0.01069
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rs6595233	5	119796305	G	0.00877
rs1375466	5	120026907	G	0.00446
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rs13153260	5	120543052	C	0.01065
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rs17149128	5	121757816	A	0.00663
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rs10066937	5	121778228	G	0.00821
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rs4438871	5	121923676	C	0.01562
rs13169898	5	122011450	C	0.00644

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rs458158	5	122510080	C	0.01188
rs335207	5	122532133	C	0.00513
rs11241714	5	123151584	T	0.00300
rs6889859	5	123176800	G	0.00903
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rs2244177	5	123344476	G	0.00383
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rs12520962	5	123981123	G	0.00901
rs6871217	5	123988346	A	0.01314
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rs4458563	5	124304963	G	0.00395
rs3932131	5	124763822	A	0.01631
rs7707807	5	124927142	G	0.01574
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rs17584191	5	125561029	T	0.01367
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rs6595708	5	125823124	T	0.00190
rs26946	5	126717388	T	0.01529
rs806100	5	127496076	G	0.00388
rs13361165	5	130442705	C	0.00703
rs17132127	5	131314824	A	0.00771
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rs152125	5	131455060	G	0.00495
rs2306772	5	131703880	T	0.00689
rs2631362	5	131735192	A	0.01434
rs803223	5	132236262	G	0.01442
rs3798128	5	132258930	T	0.00595
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rs7735912	5	133554588	C	0.00921

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rs17169348	5	135264117	T	0.00870
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rs2428158	5	135341751	C	0.00246
rs30757	5	135383122	A	0.00631
rs17170027	5	135641325	C	0.01355
rs7701815	5	135649997	C	0.01150
rs11958545	5	135651835	T	0.01153
rs3822748	5	135693248	C	0.01244
rs346643	5	135745093	C	0.01164
rs10075735	5	136028836	T	0.01100
rs7724748	5	136219411	G	0.00850
rs7727317	5	136538565	C	0.00679
rs17778739	5	136579897	C	0.01151
rs1229728	5	136714733	T	0.01503
rs6596396	5	136949515	C	0.00839
rs757647	5	137735214	A	0.00343
rs4835678	5	137736333	A	0.00318
rs17118468	5	139204919	C	0.01364
rs2910339	5	140614479	A	0.00175
rs251177	5	141007068	C	0.00289
rs248626	5	141077909	A	0.00631
rs17097850	5	141273771	C	0.00007
rs3850578	5	141515756	T	0.00158
rs58644	5	141772011	T	0.01353
rs33970	5	141914901	A	0.00312
rs17099407	5	142080985	A	0.01518
rs258759	5	142536786	T	0.01154
rs1644431	5	142963981	A	0.00210
rs1421776	5	143230072	T	0.01278
rs312634	5	143380861	T	0.00932
rs309328	5	143398614	T	0.01281
rs17101705	5	143558959	T	0.01154
rs34463305	5	143884468	T	0.00121

rs6870605	5	143900921	A	0.01531
rs11741041	5	144314948	A	0.00807
rs11741672	5	144338909	G	0.00213
rs6580376	5	144845810	A	0.00875
rs11745319	5	145190785	C	0.01546
rs385175	5	145191281	A	0.00795
rs417215	5	145191308	A	0.00248
rs12518731	5	145343055	G	0.01150
rs17104321	5	145582091	C	0.00224
rs17104331	5	145593015	G	0.01426
rs17104362	5	145630790	G	0.00702
rs10515569	5	145712753	G	0.01381
rs997011	5	145752014	C	0.00215
rs6580417	5	145753403	A	0.00937
rs7717315	5	145881372	G	0.00658
rs6881391	5	145899863	G	0.00851
rs460781	5	146014684	C	0.01597
rs460413	5	146014728	T	0.01494
rs458164	5	146023125	A	0.01228
rs182697	5	146027384	G	0.01443
rs462706	5	146034170	G	0.00966
rs464459	5	146034654	G	0.01429
rs10061370	5	146048554	C	0.01207
rs2400228	5	146049791	T	0.00541
rs7716683	5	146060205	A	0.01332
rs2926170	5	146292592	T	0.00634
rs17106458	5	146693780	C	0.01347
rs10079191	5	146696881	A	0.01413
rs6884181	5	146703083	G	0.01149
rs918797	5	146708683	A	0.01576
rs4705166	5	146709417	G	0.00239
rs2288806	5	146755668	T	0.00949
rs17550470	5	146759060	T	0.01007
rs12655364	5	146759414	T	0.00693
rs3805536	5	146763849	C	0.00364
rs1529688	5	146999957	C	0.00111
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rs250674	5	148418790	A	0.00597
rs17110060	5	148780327	T	0.00680
rs7719910	5	149426180	A	0.01219
rs6579777	5	149561423	A	0.00288
rs17111053	5	149575303	A	0.01245
rs4958469	5	149585309	A	0.00978
rs4246045	5	150157290	C	0.00202

rs17716141	5	150622548	A	0.00342
rs1368369	5	150948496	A	0.01591
rs154696	5	151436036	T	0.00113
rs29849	5	151443684	A	0.00977
rs159822	5	151447865	A	0.00836
rs4639211	5	151563603	G	0.00508
rs4443412	5	151638395	A	0.00806
rs9324721	5	151645382	T	0.00548
rs12654099	5	151880567	A	0.00444
rs4475248	5	151892892	C	0.01210
rs11959980	5	151970674	C	0.01454
rs7733725	5	151991698	G	0.00308
rs17565505	5	152044626	G	0.00577
rs12518989	5	152211517	G	0.00849
rs4958596	5	152307861	A	0.01071
rs17578068	5	152469215	A	0.01472
rs13173299	5	152488109	A	0.00143
rs17503275	5	152568409	A	0.00577
rs10477084	5	153090050	A	0.00904
rs7711124	5	153123087	C	0.00184
rs2614125	5	153247946	G	0.00111
rs898709	5	153267157	A	0.01662
rs2614123	5	153280408	G	0.01425
rs27154	5	153722036	A	0.00594
rs286596	5	154327177	T	0.00696
rs17116724	5	154401432	G	0.00666
rs6580138	5	154469281	T	0.00989
rs6875111	5	155186458	T	0.01593
rs1347118	5	155394838	T	0.00999
rs157337	5	156063829	T	0.01032
rs6555827	5	156425016	C	0.01474
rs3777059	5	157170036	A	0.00461
rs2650359	5	157199237	T	0.00748
rs1173481	5	157492557	T	0.00932
rs10065017	5	157738982	G	0.00324
rs17055538	5	157744807	A	0.01626
rs2963478	5	157925272	A	0.00247
rs2420211	5	158098219	A	0.00863
rs1368298	5	158137003	C	0.01576
rs1549883	5	158159232	T	0.00844
rs4704963	5	158179956	C	0.01209
rs4704967	5	158192277	T	0.00181
rs10056564	5	158193834	C	0.00847
rs13171583	5	158201332	G	0.01553

rs10054046	5	158242261	T	0.00541
rs194229	5	158600287	G	0.00582
rs3846687	5	158612157	G	0.00994
rs6888934	5	158864376	G	0.01501
rs7737796	5	159302007	C	0.00083
rs9313851	5	159908441	C	0.00787
rs7707116	5	159912956	G	0.01576
rs10515822	5	160512672	T	0.00093
rs455707	5	160545772	A	0.01621
rs456582	5	160546334	C	0.01529
rs609651	5	160562804	T	0.01599
rs17059065	5	160581664	A	0.01547
rs6893149	5	161035720	A	0.00961
rs7730014	5	161609374	A	0.01554
rs2913561	5	162581271	T	0.01113
rs17061334	5	162583830	A	0.00975
rs2059796	5	162592782	A	0.00432
rs300196	5	162631659	T	0.01133
rs6880977	5	162991701	A	0.01048
rs17285868	5	163631534	A	0.00795
rs2963133	5	164146342	G	0.00115
rs1421681	5	164440850	T	0.01384
rs2133726	5	165695838	T	0.00740
rs1392384	5	165727152	A	0.00902
rs1353943	5	165771085	C	0.01141
rs6872688	5	166292646	C	0.00492
rs17495541	5	166572579	G	0.01396
rs17436436	5	167298017	C	0.00555
rs1432821	5	167496163	T	0.01221
rs11949188	5	167680766	T	0.01222
rs1120242	5	168005933	G	0.00101
rs12659534	5	168162396	C	0.01255
rs1109106	5	168177820	T	0.01657
rs17666252	5	168226924	T	0.00097
rs6897408	5	168238733	T	0.00880
rs11739950	5	168346952	G	0.00567
rs8180402	5	168576631	C	0.00877
rs2080865	5	168636725	A	0.01520
rs2338656	5	168787116	C	0.00732
rs39797	5	168796010	G	0.00448
rs1182093	5	169311377	A	0.00270
rs9313476	5	169336666	A	0.00105
rs9313523	5	170119753	C	0.00775
rs10475958	5	170130357	A	0.00144

rs10475959	5	170130444	C	0.00948
rs33855	5	171124642	T	0.01455
rs17074274	5	171436401	G	0.01110
rs9313575	5	171437235	A	0.01094
rs1368430	5	171884506	G	0.01271
rs11741273	5	171884740	G	0.01238
rs17075007	5	171964153	C	0.00485
rs17075979	5	172824632	T	0.00908
rs4867725	5	173021733	G	0.01072
rs3849725	5	173224859	C	0.00930
rs11749360	5	174030069	C	0.00038
rs6887241	5	175193682	T	0.00721
rs17065614	5	175248681	G	0.00387
rs2973677	5	177693942	G	0.01456
rs2672816	5	177873238	C	0.00472
rs262048	5	177939603	A	0.00533
rs10479505	5	178098466	T	0.00349
rs10903230	5	178140271	A	0.00014
rs2645339	5	178348669	C	0.00834
rs443725	5	178730443	T	0.00838
rs2450484	5	179192448	G	0.00133
rs17627880	5	179626784	A	0.00361
rs7709026	5	179849353	G	0.00933
rs10479581	5	180097973	A	0.01256
rs41330745	5	180206066	A	0.00080
rs34327863	5	180207008	C	0.00656
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rs2316795	6	405732	A	0.00022
rs4959928	6	417807	C	0.00365
rs17133849	6	421395	G	0.00487
rs2473488	6	489239	G	0.00898
rs845897	6	953367	G	0.00476
rs7754106	6	1068382	G	0.00670
rs11242676	6	1264005	A	0.01552
rs9405136	6	1293230	T	0.01551
rs9405506	6	1653870	G	0.00257
rs9392353	6	1966707	G	0.00216
rs11242735	6	2000676	C	0.01409
rs3823287	6	2189720	A	0.00839
rs9328087	6	2210343	G	0.00955
rs2479008	6	2292807	C	0.01040
rs4413658	6	2313641	A	0.00712
rs17135328	6	2564712	A	0.00346
rs6930270	6	2678774	C	6.92000

rs9392436	6	2816084	G	6.13100
rs7757819	6	2863546	G	0.01522
rs4149361	6	2951984	C	0.00078
rs9503499	6	3200856	T	0.01459
rs7747817	6	3298526	G	0.00448
rs1887843	6	3299260	G	0.00375
rs4959288	6	4358975	G	0.01502
rs1265236	6	4444771	T	0.01197
rs84996	6	4504209	C	0.00922
rs9392668	6	5238939	A	0.01607
rs9328294	6	5239371	A	0.01021
rs17140654	6	5451840	A	0.00096
rs7746914	6	5565992	T	0.00971
rs877010	6	5624225	G	0.00692
rs126456	6	6654484	A	0.00743
rs6929018	6	6818697	C	0.00905
rs665723	6	7084063	A	0.00677
rs9328425	6	7414231	G	0.01486
rs2806187	6	7446348	A	0.01600
rs267184	6	7778428	C	0.01239
rs155476	6	7906188	G	0.00517
rs9393054	6	8592441	T	0.01024
rs10484330	6	8980683	T	0.01320
rs9379680	6	9404897	T	0.01472
rs1410364	6	9837105	T	0.00664
rs7765635	6	9859151	G	0.01048
rs855375	6	9930143	T	0.00292
rs4712384	6	10269797	C	0.00649
rs3734397	6	11090834	C	0.00958
rs7452101	6	11261838	C	0.01520
rs9468726	6	11374928	C	0.00293
rs17764967	6	11598841	G	0.00481
rs505685	6	11631872	T	0.01239
rs2235418	6	11840809	T	0.01461
rs7741952	6	11986230	T	0.00936
rs17616767	6	12870640	A	0.01105
rs9396412	6	14096729	C	0.00880
rs9382937	6	14191042	A	0.00310
rs6459366	6	14692375	T	0.01087
rs857464	6	14715101	A	0.00081
rs17450822	6	14748578	G	0.00951
rs2500065	6	14844570	G	0.00020
rs9396529	6	14844629	C	0.01518
rs9382996	6	14847961	T	0.00001

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rs11963956	6	16286779	A	0.01118
rs2327951	6	16303287	A	0.00922
rs2143452	6	16520903	G	0.00054
rs10484364	6	16661431	T	0.00798
rs1570487	6	16791838	T	0.00191
rs10456788	6	16858835	C	0.01152
rs7382853	6	17045787	A	0.00001
rs1570241	6	17054324	T	0.00194
rs1324145	6	17268036	T	0.00829
rs9367945	6	17288278	G	0.00482
rs7765428	6	18033405	T	0.00847
rs1570683	6	18447773	A	0.00294
rs568108	6	18536837	A	0.00991
rs577287	6	18553773	A	0.00396
rs10456830	6	18560597	A	0.00307
rs9297082	6	18642317	A	0.01574
rs11968659	6	18772640	T	0.01217
rs4610574	6	19244130	T	0.01223
rs10946315	6	19506312	A	0.01212
rs9358264	6	19814250	C	0.00669
rs9460408	6	19847922	C	0.01603
rs9366344	6	20435828	T	0.00324
rs9358331	6	20452975	A	0.00743
rs9356730	6	20453095	G	0.01619
rs9348440	6	20749315	A	0.00454
rs6456397	6	21227109	G	0.01371
rs2493869	6	21243137	T	0.00985
rs9295495	6	21247079	A	0.00715
rs7752602	6	21258436	C	0.01308
rs1459047	6	21308369	C	0.01436
rs9366399	6	21483974	G	0.00052
rs9466056	6	21492592	C	0.01066
rs1740852	6	21716958	G	0.00165
rs4712631	6	21818875	C	0.01042
rs9368373	6	22024631	C	0.01227
rs11751362	6	22063943	G	0.01412
rs7766354	6	22103738	T	0.00645
rs17263098	6	22316487	A	0.00498
rs1205898	6	22448557	G	0.01473
rs10485008	6	22614610	G	0.00562
rs7741889	6	22625935	T	0.00591
rs6927431	6	22626538	T	0.01630

rs7748467	6	22627328	G	0.01603
rs9393306	6	22629109	G	0.00685
rs6927934	6	22747766	C	0.01254
rs4448082	6	22834795	A	0.00520
rs9393333	6	22885610	A	0.00973
rs4131446	6	23237967	G	0.01202
rs440115	6	23548392	C	0.00192
rs199024	6	23555091	G	0.00443
rs191815	6	23572989	T	0.01310
rs187936	6	23584367	G	0.01606
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rs199059	6	23595836	C	0.01091
rs2180936	6	23738028	C	0.00615
rs7743895	6	23743977	A	0.00147
rs7762347	6	23762820	T	0.01108
rs12190667	6	24039481	T	0.00377
rs7455023	6	24241681	A	0.01458
rs2744600	6	24641411	T	0.00072
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rs303899	6	25147772	G	0.00419
rs6456652	6	25263186	G	0.00207
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rs16890640	6	25577310	T	0.00452
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rs2230655	6	26141485	G	0.00118
rs16891417	6	26319374	T	0.01614
rs2143345	6	26337127	C	0.01381
rs3757142	6	26488524	A	0.00671
rs3757149	6	26489295	T	0.01363
rs2498380	6	26751975	C	0.01629
rs2475068	6	26935875	A	0.01471
rs7776164	6	29066437	T	0.00755
rs7770592	6	29503726	A	0.01152
rs29226	6	29688990	A	0.00663
rs3130252	6	29739723	C	0.00632
rs1610593	6	29786499	T	0.00839
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rs9261739	6	30475514	A	0.01394
rs2516675	6	30538499	T	0.00991
rs3130666	6	30848139	T	0.01121

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rs2106074	6	31241488	G	0.00185
rs2596517	6	31468074	C	0.01487
rs2523693	6	31526103	G	0.00178
rs3115537	6	31605814	G	0.00956
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rs3117230	6	33183613	A	0.01210
rs4713633	6	33585118	A	0.00143
rs444697	6	33682987	T	0.00202
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rs2495965	6	34028529	T	0.01386
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rs6691	6	34360330	T	0.01363
rs3800426	6	35117174	G	0.01517
rs2820223	6	35117273	G	0.01437
rs2817032	6	35796597	G	0.00260
rs9470131	6	35919641	G	0.00038
rs9470139	6	35929492	G	0.00963
rs9462141	6	35943016	G	0.00850
rs10456081	6	36033776	C	0.00206
rs7754088	6	36062312	C	0.00290
rs16884919	6	36179495	A	0.00281
rs1476017	6	36418874	C	0.01540
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rs236486	6	36794385	A	0.00148
rs236434	6	36837628	G	0.00934
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rs2293381	6	37046410	A	0.00753
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rs9462297	6	37410410	G	0.01602
rs6942122	6	37630944	A	0.00552
rs9369014	6	37692288	T	0.01454
rs2842509	6	38144544	C	0.00639
rs12660215	6	38413748	G	0.00323
rs9357271	6	38473851	A	0.00693
rs9394524	6	38769909	A	0.01115
rs1018631	6	40379505	C	0.01579
rs4714329	6	40381435	C	0.00380
rs715831	6	40400445	A	0.01065

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rs2436731	6	40534831	A	0.00476
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rs1771294	6	40695765	A	0.00912
rs9369260	6	41118346	C	0.00094
rs6903444	6	41122198	C	0.01568
rs9462675	6	41261216	A	0.00661
rs4711658	6	41270869	C	0.01077
rs12180804	6	41398268	G	0.00244
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rs902962	6	42388855	G	0.00875
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rs3777622	6	46083313	C	0.01437
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rs630033	6	46939731	G	0.00620
rs628638	6	46940057	G	0.00307
rs220702	6	46975676	C	0.00875
rs2077055	6	47018374	T	0.01491
rs4714964	6	47028949	G	0.00199
rs1413933	6	47047792	T	0.00528
rs2396821	6	47183758	G	0.00396
rs9369662	6	47258931	G	0.00855
rs9349407	6	47561337	G	0.01418
rs10948378	6	47802961	C	0.01439

rs16876415	6	47803071	C	0.01282
rs10807383	6	47990767	T	0.00434
rs1325706	6	48085287	C	0.01372
rs1334842	6	48428679	A	0.00599
rs1530831	6	48484290	G	0.01271
rs12204466	6	48544543	A	0.00255
rs11758627	6	49125461	T	0.01019
rs7756016	6	49574750	T	0.00344
rs9349509	6	50037888	A	0.00630
rs17665069	6	50372090	A	0.00639
rs2206272	6	50873311	T	0.00401
rs9473953	6	51033290	A	0.00714
rs4435937	6	51426093	C	0.01457
rs4339454	6	51474621	A	0.01295
rs4506044	6	51482934	T	0.01422
rs10948617	6	51491555	C	0.01618
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rs4644046	6	51492968	C	0.01652
rs10948623	6	51526189	T	0.01558
rs12214769	6	51543535	C	0.00524
rs10948634	6	51556765	A	0.01661
rs6930919	6	51576003	T	0.00890
rs1108202	6	51577180	A	0.01599
rs2784217	6	51607178	G	0.01038
rs624699	6	51622567	A	0.01606
rs1474991	6	51835900	C	0.00137
rs10484879	6	52159916	A	0.00197
rs6917841	6	52482782	C	0.01147
rs2179803	6	52516853	T	0.01075
rs6913533	6	53127129	C	0.00583
rs6920669	6	53128723	C	0.01209
rs1346603	6	53257221	C	0.01642
rs16884542	6	53957408	A	0.00082
rs1321884	6	54111303	A	0.00482
rs6913087	6	54245008	A	0.01190
rs12661397	6	54349874	T	0.00150
rs9475023	6	54795938	C	0.00557
rs4626423	6	55479622	C	0.00596
rs9475342	6	55503779	C	0.00523
rs4398739	6	55536739	C	0.00855
rs6459114	6	55891681	T	0.01580
rs6926110	6	55902102	G	0.00360
rs9464315	6	55975223	A	0.01599
rs3996940	6	56126544	C	0.01055

rs12525967	6	56234901	A	0.00790
rs2397214	6	56254519	G	0.00051
rs6929091	6	56553994	A	0.00094
rs6928715	6	57159524	G	0.00798
rs1755833	6	57294253	T	0.00472
rs1336308	6	62067505	A	0.01499
rs16885317	6	63224267	T	0.01499
rs9360515	6	63283361	A	0.00046
rs2459572	6	64051334	C	0.00273
rs4076418	6	64915250	C	0.00148
rs9453277	6	66129666	C	0.00443
rs12205154	6	66132201	T	0.00923
rs6455065	6	66758480	A	0.01412
rs12202805	6	66760624	A	0.01413
rs17527218	6	66820787	A	0.00022
rs3846808	6	66875325	A	0.00409
rs9354391	6	66946904	T	0.00389
rs17644076	6	67061694	A	0.01154
rs4631256	6	67246679	T	0.00152
rs12662737	6	67331421	G	0.00716
rs4710324	6	67408933	T	0.00526
rs4493734	6	67459352	A	0.00491
rs9360234	6	67577822	T	0.00888
rs9351600	6	67586556	A	0.00676
rs9360251	6	67702785	G	0.00241
rs9345935	6	67721287	G	0.00438
rs6933579	6	67728137	C	0.01425
rs4292508	6	67738143	A	0.00165
rs2502279	6	67822412	T	0.00554
rs2747156	6	68371284	T	0.01244
rs2818113	6	68398350	A	0.01392
rs2179964	6	68414245	G	0.01647
rs9342657	6	68421587	C	0.00322
rs2816902	6	68428695	C	0.00876
rs2818105	6	68428791	G	0.01655
rs17546195	6	68444789	C	0.01652
rs2493374	6	68454951	G	0.00969
rs9454233	6	68459204	T	0.00855
rs9454286	6	68562671	G	0.00191
rs12203654	6	68563436	C	0.00900
rs6913371	6	68565666	G	0.00773
rs1913477	6	68583232	A	0.01215
rs1913478	6	68583437	C	0.00924
rs7753361	6	68857216	A	0.00531

rs1388056	6	69233497	A	0.00292
rs10455670	6	69347352	T	0.01526
rs13218370	6	69349961	T	0.01589
rs577328	6	69598052	G	0.00226
rs6455313	6	70195288	T	0.01450
rs2487399	6	70594155	T	0.01630
rs2487411	6	70605345	T	0.01467
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rs3806051	6	70943464	A	0.01425
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rs12198920	6	71364068	A	0.00775
rs12204236	6	72298055	A	0.01611
rs12525003	6	72304069	T	0.01087
rs1339226	6	73113269	A	0.00126
rs1317538	6	73706132	C	0.01605
rs12199142	6	74335856	G	0.01231
rs527606	6	74402893	A	0.00025
rs9293938	6	74481076	A	0.01155
rs2882694	6	74574401	G	0.00750
rs10498896	6	74645033	C	0.00189
rs41475845	6	74647350	G	0.00569
rs10805983	6	74663429	G	0.01580
rs12194928	6	74665814	G	0.01245
rs1898483	6	74667157	G	0.01447
rs12194422	6	74731052	G	0.01100
rs9343135	6	75088407	A	0.00136
rs6902731	6	75274664	A	0.01394
rs2181246	6	76600038	A	0.00136
rs6903025	6	76955639	C	0.00803
rs10943324	6	77034073	A	0.00286
rs1457936	6	77422822	G	0.00959
rs16888579	6	77860206	C	0.00069
rs9343603	6	78098265	G	0.01403
rs1458429	6	78283839	T	0.01600
rs1458424	6	78373630	G	0.00763
rs3846758	6	78459796	T	0.01564
rs7764370	6	78642548	A	0.01587
rs580694	6	79456568	C	0.00048
rs1354832	6	79670482	G	0.00798
rs3846733	6	80143211	G	0.00711
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rs2812683	6	80380553	A	0.00061
rs2655697	6	80382049	G	0.01346

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rs3805901	6	81034459	T	0.01143
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rs9449206	6	81753270	T	0.01010
rs1855586	6	81983371	C	0.01624
rs7744820	6	81994601	T	0.00441
rs9361775	6	82004634	G	0.00749
rs16893194	6	82304961	G	0.01233
rs1935003	6	82325403	T	0.00261
rs1361684	6	82729246	A	0.01296
rs4546539	6	83284979	G	0.01651
rs11756746	6	84343196	G	0.00376
rs3757007	6	84356081	T	0.01377
rs13212099	6	84356900	G	0.01195
rs772909	6	84536430	T	0.01316
rs9341974	6	85129893	A	0.01539
rs7761054	6	85130696	C	0.00429
rs7760461	6	85140975	C	0.00367
rs9444171	6	85172697	T	0.01090
rs215936	6	85547923	G	0.01360
rs215921	6	85573317	A	0.00037
rs1407645	6	85689704	T	0.00564
rs1923587	6	85821656	T	0.01418
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rs2484355	6	86451122	T	0.00607
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rs205217	6	89805824	A	0.00180
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rs1980986	6	89818726	T	0.01361
rs2304895	6	90687853	T	0.01055
rs9353711	6	90759159	G	0.00800
rs1353227	6	91233622	G	0.00964
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rs282427	6	91367576	A	0.00633
rs1504292	6	91694410	G	0.00859
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rs2501650	6	92589899	T	0.00519
rs2454268	6	92617314	G	0.00984
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rs594175	6	93738564	T	0.00857
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rs9354041	6	94544526	G	0.00907
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rs9363117	6	94586660	A	0.01122
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rs1937357	6	94676185	T	0.01375
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rs4463230	6	94741047	C	0.01072
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rs397178	6	95050803	A	0.00489
rs7753594	6	95081989	A	0.01510
rs9400893	6	96144620	A	0.00342
rs9489578	6	96171771	C	0.01198
rs9386310	6	96636840	T	0.00122
rs4133133	6	96742188	T	0.01593
rs9374023	6	97200016	C	0.01111
rs11153105	6	97207722	G	0.01351
rs12663742	6	97899456	T	0.01456
rs200808	6	98011949	T	0.01603
rs1933721	6	98419944	G	0.01328
rs9387768	6	98423600	T	0.00338
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rs158773	6	99056271	C	0.01349
rs2219958	6	99165730	T	0.00692
rs4839969	6	99242193	G	0.01373
rs4131463	6	99364552	G	0.01091
rs2604065	6	99408232	T	0.01312
rs9968876	6	100194003	C	0.00670
rs705593	6	101401010	T	0.01251
rs2209936	6	101683037	T	0.00873
rs4840195	6	102359490	G	0.00666
rs9377315	6	102409621	C	0.01142

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rs946860	6	102526006	T	0.00389
rs13195038	6	102570833	G	0.00003
rs13191478	6	102577470	A	0.00338
rs6571078	6	103604602	A	0.01182
rs9373682	6	103694496	A	0.00869
rs41419145	6	103700073	G	0.01250
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rs17064013	6	103946380	G	0.01268
rs9391057	6	104118930	A	0.00763
rs4518532	6	104277456	A	0.01314
rs9499840	6	104869866	A	0.01553
rs9399892	6	105161737	T	0.00692
rs9499921	6	105243945	C	0.00935
rs6928554	6	105439613	C	0.00582
rs17065778	6	105856960	G	0.00450
rs716490	6	105924171	G	0.00831
rs6938669	6	106506341	T	0.00182
rs6937414	6	106576584	T	0.00492
rs17558797	6	106639239	G	0.00833
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rs1769981	6	106808927	A	0.00072
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rs4945784	6	108106656	A	0.00701
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rs2490272	6	109002079	A	0.01412
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rs541020	6	109190725	G	0.00235
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rs7772602	6	109715354	G	0.00748
rs1111866	6	109717539	C	0.01382
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rs4601178	6	109717939	C	0.01458
rs1028244	6	109748980	A	0.00177
rs2024850	6	109925149	T	0.01331
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rs4945480	6	113227546	G	0.00002
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rs6918482	6	115760753	T	0.00557
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rs1416413	6	118392873	C	0.00799
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rs4945637	6	119789644	A	0.00340
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rs1273725	6	121487048	T	0.01247
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rs163286	6	124503145	A	0.01594
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rs868549	6	125068862	A	0.01237
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rs2800708	6	127479310	G	0.00472
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rs9495324	6	139406923	A	0.00231
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rs4896765	6	145331021	G	0.01555
rs7757259	6	145594845	C	0.00448
rs1546866	6	145599134	G	0.01485
rs551096	6	145648801	G	0.00288
rs9373448	6	145649688	A	0.00798
rs362949	6	146694047	C	0.00633
rs9322090	6	147450332	C	0.00337
rs452577	6	147858688	A	0.00151
rs12192149	6	148128121	G	0.01419
rs1881825	6	148417762	T	0.00584
rs7764264	6	148451024	T	0.00703
rs2493926	6	148655960	C	0.00351
rs9403983	6	149096970	A	0.01381
rs17718177	6	149130447	C	0.01026
rs6570915	6	149320200	G	0.00252
rs5024811	6	150287727	A	0.00817
rs4242282	6	150315039	G	0.00025
rs9383690	6	150502499	C	0.00276
rs670914	6	150724036	C	0.00275
rs9384557	6	150899065	G	0.00052
rs1494310	6	151162803	G	0.00885
rs7746473	6	151759227	C	0.00707
rs3800270	6	151785755	G	0.01241
rs1709182	6	152217050	T	0.01625
rs9340955	6	152371894	C	0.01145
rs750686	6	152449819	T	0.00622
rs6940845	6	152609138	A	0.00899
rs7776230	6	152685563	G	0.00770
rs1873176	6	152732252	A	0.01193
rs7747960	6	152833167	A	0.00061
rs583501	6	153237927	G	0.01411
rs656610	6	153259954	T	0.01187
rs633399	6	153261967	T	0.01544
rs672170	6	153386878	A	0.01637
rs12529269	6	153585523	C	0.01496
rs10485060	6	154557793	C	0.01213
rs17214592	6	154612099	A	0.00768
rs946236	6	154845575	T	0.00718

rs9397210	6	155297981	T	0.00058
rs9371355	6	155300670	C	0.01035
rs9322500	6	155486416	T	0.01498
rs4870382	6	156030258	A	0.01194
rs6900173	6	156560217	C	0.01241
rs9371421	6	156722024	G	0.00781
rs1246188	6	157012153	G	0.00159
rs17087747	6	157086503	T	0.00973
rs6903671	6	157257433	T	0.00079
rs16900494	6	158231773	G	0.00898
rs6933878	6	158491694	C	0.01636
rs6455577	6	158670674	C	0.00437
rs744893	6	159122228	C	0.00243
rs6455617	6	159451758	C	0.00537
rs294922	6	159541322	C	0.00524
rs400477	6	159555931	C	0.00448
rs427072	6	159561726	A	0.00949
rs2932987	6	159575663	G	0.00586
rs9295125	6	160498261	C	0.01180
rs2457576	6	160785609	G	0.00062
rs1569933	6	160991202	A	0.00292
rs16892196	6	161478088	G	0.00325
rs9365261	6	161627277	G	0.00966
rs16892547	6	161806027	G	0.00515
rs2281403	6	161991625	A	0.00584
rs7763253	6	161993412	T	0.01429
rs11962721	6	162056149	T	0.01420
rs3016563	6	162112846	T	0.00674
rs3016551	6	162141710	C	0.00665
rs1790014	6	162294878	T	0.01213
rs6455807	6	162656326	T	0.01277
rs7740928	6	162656490	G	0.01615
rs6930880	6	162666349	A	0.00237
rs10945825	6	162728999	G	0.01192
rs2849527	6	163037922	T	0.01479
rs9365480	6	163040991	A	0.00625
rs1877771	6	163238470	T	0.01382
rs1122118	6	164586141	A	0.00458
rs9918342	6	164909859	C	0.00839
rs551950	6	165508597	G	0.00188
rs566759	6	165835911	C	0.01351
rs1575145	6	166646556	A	0.01059
rs763186	6	166875955	G	0.00529
rs16899278	6	166976063	C	0.00210

rs2881194	6	167187909	G	0.00288
rs2282859	6	167365129	T	0.00606
rs16899825	6	167371516	A	0.00953
rs4710183	6	167434073	A	0.01078
rs975822	6	167436448	C	0.00148
rs6907666	6	167443385	A	0.00563
rs2021033	6	167444229	C	5.74600
rs6456158	6	167448022	C	0.01538
rs4072270	6	167748225	G	0.00556
rs492110	6	167854473	C	0.00113
rs9346631	6	168073683	A	0.00944
rs1551989	6	168456996	A	0.00436
rs11755956	6	168529331	G	0.01524
rs2749258	6	168654226	A	0.01348
rs4708575	6	169147997	A	0.00908
rs12175557	6	169234624	A	0.01492
rs6908401	6	169306641	A	0.00227
rs12661910	6	169326313	G	0.01007
rs2075978	6	169554513	A	0.00772
rs4469299	6	169559926	G	0.00186
rs9383492	6	169677487	A	0.00229
rs16888111	6	169677751	T	0.01519
rs760950	6	169694673	G	0.00039
rs6456189	6	170396431	T	0.01439
rs1022615	6	170525166	G	0.01579
rs9460139	6	170554104	A	0.00569
rs4244215	7	215541	T	0.00753
rs7785538	7	828052	G	0.01406
rs11766365	7	829331	G	0.00692
rs6973278	7	832995	C	0.00041
rs7785252	7	868920	C	0.01613
rs1639915	7	2224610	G	0.00013
rs2969070	7	2479071	C	0.00884
rs2527684	7	2792448	G	0.01313
rs2644295	7	2826743	A	0.00481
rs6958161	7	3121336	G	0.00858
rs10951052	7	3121827	A	0.01454
rs4722438	7	3122339	G	11.67100
rs6956298	7	3158180	G	0.01287
rs2049477	7	3279396	G	0.00392
rs41363846	7	3412717	G	0.00917
rs17741019	7	3423822	C	0.00026
rs2178628	7	3580193	A	0.01201
rs13236719	7	3841536	A	0.01233

rs6462411	7	3882090	G	0.01259
rs1025915	7	4000087	G	0.00690
rs2189973	7	4299801	A	0.00490
rs1447397	7	4509826	G	0.01367
rs10951714	7	4913403	T	0.00262
rs4320451	7	5123397	A	0.01339
rs6651076	7	5439831	A	0.00461
rs12536325	7	7164598	G	0.00244
rs10279432	7	7245535	C	0.00120
rs7804592	7	7266161	G	0.00859
rs1294620	7	7358756	G	0.01464
rs1294622	7	7359239	T	0.00474
rs6974119	7	7370503	A	0.01532
rs1473213	7	7835277	C	0.00261
rs6975902	7	7930763	T	0.00474
rs3779370	7	8182000	C	0.01156
rs3823820	7	8209565	T	0.00226
rs3807806	7	8266516	T	0.00165
rs2110521	7	8362245	A	0.00006
rs12702727	7	8390982	T	0.01506
rs6463805	7	8414480	G	0.00120
rs17332138	7	8460888	G	0.00672
rs13240191	7	8880293	T	0.00413
rs16874588	7	8887669	T	0.00331
rs13240893	7	9061487	T	0.00045
rs12702864	7	9086521	G	0.01084
rs10266583	7	9144987	G	0.00099
rs449245	7	9179513	T	0.00127
rs369785	7	9180202	A	0.00221
rs17792244	7	9200867	C	0.00799
rs2350432	7	9242493	A	0.01475
rs2713342	7	9512802	G	0.00951
rs4548084	7	9526119	C	0.01304
rs1505310	7	9534049	T	0.00322
rs10245938	7	9535960	G	0.01568
rs17161716	7	9538623	C	0.00165
rs1505322	7	9612145	A	0.01412
rs1354607	7	9612572	T	0.01035
rs6974358	7	9646685	T	0.00572
rs10255183	7	9954672	G	0.01174
rs17162535	7	10063618	A	0.00647
rs12702976	7	10087591	A	0.00565
rs12702978	7	10090856	G	0.01144
rs6959382	7	10227487	G	0.01395

rs4720876	7	10339966	T	0.00792
rs6463990	7	10344828	G	0.00509
rs7794021	7	11364881	G	12.20000
rs1468244	7	11431856	C	0.00512
rs1014184	7	11468053	C	0.00051
rs17165507	7	12019983	C	0.00337
rs12536861	7	12085773	A	0.01406
rs10950385	7	12121572	A	0.00989
rs2192838	7	12306749	T	0.00928
rs17165896	7	12369514	T	0.00810
rs17166013	7	12409567	T	0.01607
rs17166041	7	12473257	T	0.01066
rs4365982	7	12536902	C	0.01313
rs977201	7	12995499	G	0.00852
rs9986861	7	13845989	T	0.00448
rs2190060	7	14083642	C	0.00485
rs34628921	7	14423427	A	0.01005
rs196751	7	14443632	T	0.00467
rs7806004	7	14590429	A	0.01322
rs4236282	7	14670939	T	0.01036
rs978175	7	14837929	C	0.01108
rs975689	7	14857727	C	0.01196
rs36858	7	14931688	G	4.38100
rs7798124	7	15022141	G	0.00824
rs218078	7	15049059	G	0.00343
rs12672546	7	15096179	T	0.00695
rs758297	7	15673970	A	0.00067
rs37417	7	15751248	T	0.01307
rs11772541	7	16520773	A	0.00793
rs10228487	7	16558354	G	0.01395
rs17627078	7	16707805	A	0.00268
rs2389827	7	17627791	T	0.00458
rs12699903	7	17739744	G	0.00733
rs2723497	7	17792353	T	0.01224
rs2723501	7	17821057	A	0.01430
rs4544985	7	17950332	C	0.01346
rs801763	7	18567890	A	0.00975
rs17352682	7	19304877	C	0.00932
rs6967671	7	19353457	A	0.01270
rs9639329	7	19366356	T	0.00283
rs2190413	7	19924911	A	0.01330
rs13237702	7	19928899	C	0.00398
rs38151	7	20015540	C	0.01281
rs1558310	7	20315252	G	0.00182

rs3807945	7	20382351	T	0.01335
rs17143128	7	20591415	T	0.01340
rs10950819	7	20600261	T	0.00821
rs12669250	7	20649972	C	0.00577
rs6461521	7	20911047	A	0.00435
rs2700300	7	21259201	A	0.00978
rs17144727	7	21596214	G	0.00435
rs2965396	7	21694856	C	0.00567
rs10256021	7	21768403	T	0.00289
rs1730913	7	22024102	A	0.01115
rs13225921	7	22319771	A	0.00407
rs1859742	7	22357645	G	0.01160
rs2905324	7	22675528	C	0.01085
rs4722173	7	22753341	A	0.00571
rs12536091	7	22794725	C	0.00483
rs2286498	7	22824029	T	0.00375
rs10232205	7	23197079	C	0.00122
rs274047	7	23350222	G	0.00092
rs10950957	7	23729805	G	0.00472
rs6957981	7	23859818	A	0.00320
rs7792262	7	23882268	T	0.00030
rs17148510	7	23922398	A	0.01663
rs7780155	7	23924393	C	0.00988
rs1859289	7	24139848	G	0.00166
rs198712	7	24147580	C	0.00956
rs156318	7	24179881	G	0.01193
rs156308	7	24184522	A	0.01146
rs16217	7	24224231	G	0.00409
rs17149415	7	24409011	A	0.01058
rs2521757	7	24728194	T	0.01514
rs11974649	7	24940525	T	0.00314
rs10252578	7	25332075	A	0.01371
rs6946189	7	25966662	A	0.00801
rs4722557	7	25986081	T	0.00451
rs17322608	7	26075962	A	0.01463
rs7807030	7	26183975	T	0.01635
rs10259620	7	27168814	A	0.01275
rs10951169	7	27522439	T	0.01238
rs3823945	7	27839643	T	0.00930
rs11981911	7	27854539	T	0.00416
rs11763181	7	27951583	A	0.00666
rs7801967	7	28211820	T	0.01272
rs17717216	7	28448949	T	0.01583
rs6977204	7	28460970	A	0.00074

rs35010731	7	28759930	G	0.00736
rs4722842	7	28766752	A	0.01191
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rs4722855	7	28805091	C	0.01468
rs6977628	7	28811671	A	0.00748
rs4722858	7	28845849	A	0.00660
rs768229	7	28857274	A	0.00366
rs506511	7	29032843	G	0.00413
rs10486610	7	29222954	C	0.01080
rs39077	7	29245037	T	0.00036
rs7779958	7	29315941	T	0.00011
rs3828983	7	29448465	A	0.00900
rs3857731	7	29458573	A	0.00892
rs7781003	7	29483175	G	0.00472
rs7782556	7	29517235	G	0.00098
rs17158518	7	29938482	G	0.00601
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rs10260668	7	30146934	A	0.01438
rs10278661	7	31328137	C	0.01539
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rs7803617	7	31515561	G	0.00454
rs10228992	7	31515779	G	0.00108
rs38327	7	31610170	T	0.00271
rs38379	7	31639395	G	0.00335
rs3735424	7	31658222	C	0.00009
rs1035028	7	31833575	A	0.00799
rs17336340	7	32014641	A	0.00448
rs30564	7	32034427	C	0.01077
rs17160851	7	32070157	T	0.01588
rs7803347	7	32235840	C	0.00199
rs12538506	7	32243806	T	0.00048
rs6955946	7	32322564	G	0.00438
rs7806498	7	33322149	G	0.00858
rs17790181	7	34853083	G	0.01511
rs10266513	7	35559637	G	0.00716
rs17171927	7	35834387	G	0.00290
rs2700910	7	36170522	A	0.00089
rs2726059	7	36194992	G	0.01218
rs1986877	7	36535036	C	0.00126
rs7787226	7	36817679	G	0.01299
rs1882082	7	36936199	A	0.00286
rs9655380	7	37313843	T	0.00468
rs2701003	7	37314747	C	0.01008

rs2724000	7	37399229	C	0.00226
rs7777579	7	37543199	A	0.00566
rs2598044	7	37856841	T	0.00096
rs1562829	7	37930141	G	0.01480
rs17171240	7	37991099	C	0.00065
rs2736947	7	38353316	C	0.00625
rs1558618	7	38407765	G	0.01456
rs17171407	7	38596958	G	0.00187
rs11760386	7	38643473	G	0.01355
rs3801140	7	38768570	C	0.00757
rs4723793	7	38812386	G	0.00769
rs10255290	7	38925791	G	0.01200
rs859516	7	38993419	T	0.00732
rs10248136	7	39043922	G	0.00736
rs17619162	7	39335134	C	0.00869
rs1113117	7	39619158	T	0.01575
rs7778955	7	39707012	A	0.01586
rs2158549	7	39708450	C	0.00071
rs6969419	7	40236108	C	0.00625
rs2190261	7	40441461	A	0.00567
rs6948724	7	40622800	A	0.01649
rs10486710	7	41282111	T	0.01135
rs2237436	7	41697456	C	0.01534
rs2237435	7	41697578	C	0.00595
rs10951660	7	41776860	A	0.00812
rs1476666	7	41905263	G	0.00225
rs6952496	7	41940034	T	0.00764
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rs11766021	7	42465448	A	0.00057
rs17708673	7	43035909	T	0.01648
rs4294091	7	44321565	G	0.00259
rs1557934	7	44988782	G	0.01059
rs6969223	7	45021739	T	0.00953
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rs3735486	7	45071642	A	0.01333
rs3757572	7	45113181	C	0.01483
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rs6964415	7	46209108	C	0.01283
rs13239088	7	46381408	T	0.01073
rs4352752	7	46866749	T	0.01353

rs10245153	7	47009631	T	0.00502
rs12533855	7	47043330	G	0.01255
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rs2728472	7	47199448	A	0.00815
rs17172850	7	47308808	A	0.01325
rs7787946	7	47756443	A	0.00246
rs17659868	7	47839126	C	0.00753
rs10499672	7	48059930	C	0.01511
rs7803787	7	48060754	T	0.00738
rs10280481	7	48471207	T	0.00273
rs4403359	7	49137610	T	0.01079
rs12718242	7	50123913	A	0.00705
rs17634369	7	50292020	A	0.01078
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rs4947934	7	50871640	A	0.00920
rs984450	7	50892690	C	0.00631
rs17134354	7	51662186	T	0.01030
rs7791504	7	51697174	T	2.42000
rs17580955	7	51776473	G	0.01476
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rs7785376	7	51923383	A	0.00831
rs387130	7	51999593	A	0.00843
rs417184	7	52003163	A	0.01279
rs6947141	7	52296516	C	0.00256
rs1837904	7	52573340	C	0.00789
rs1404883	7	53120423	A	0.00331
rs1852158	7	53175560	G	0.01121
rs1548000	7	53517374	A	0.00027
rs17695021	7	53582894	T	0.01084
rs17564776	7	54855553	A	0.01647
rs6962925	7	54872385	A	0.00522
rs6593195	7	54931888	G	0.01411
rs17583407	7	54933847	G	0.00094
rs4947957	7	54998998	T	0.00914
rs2030807	7	55345979	G	0.01015
rs2177807	7	55358496	G	0.01620
rs6593233	7	55373694	C	0.00127
rs11764362	7	55571119	A	0.01342
rs4948051	7	55655594	A	0.00148
rs698645	7	56189309	A	0.00017
rs17748612	7	62120851	C	0.00422
rs1153014	7	62910986	A	0.01506
rs10949880	7	63308111	T	0.00183
rs2164110	7	63328963	A	0.00530

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rs10949887	7	63389515	T	0.01157
rs17768351	7	63393541	A	0.01658
rs10949909	7	63473967	A	0.00376
rs12530839	7	63480341	T	0.01649
rs34764583	7	63606271	C	0.01041
rs1917563	7	65053082	T	0.00077
rs6946143	7	65217157	C	0.00622
rs10950029	7	65271756	A	0.00267
rs4292583	7	67132144	G	0.01417
rs17681926	7	67133594	T	0.00173
rs12698679	7	67324499	A	0.00610
rs6971845	7	67395195	G	2.05500
rs12698688	7	67406049	C	5.79400
rs11768294	7	67807177	T	0.01510
rs880330	7	67842575	A	0.01258
rs7778229	7	68489457	C	0.00960
rs41867	7	68634970	A	0.01086
rs17141666	7	69566427	T	0.00986
rs17141991	7	69774701	G	0.00241
rs7793102	7	69786612	T	0.00934
rs11764092	7	69835520	C	0.00066
rs6460553	7	69853160	A	0.00611
rs4719045	7	70093809	G	0.00615
rs6969013	7	70129334	C	0.01323
rs17142629	7	70272391	T	0.01210
rs9638618	7	70407628	A	0.00934
rs9638627	7	70693047	A	0.00970
rs1608875	7	70792015	C	0.00565
rs17426915	7	71051264	G	0.01468
rs4318932	7	71680977	C	0.00632
rs10279483	7	73331779	A	0.00068
rs17361077	7	75276699	C	0.00110
rs11972240	7	75532015	C	0.00707
rs10476	7	75534356	C	0.00598
rs7794454	7	75613946	A	0.00534
rs9800948	7	75648409	G	0.00088
rs7810066	7	76689259	A	0.00332
rs17230010	7	76708934	C	0.00266
rs17156320	7	77138046	A	0.01595
rs17807185	7	77146231	G	0.01469
rs12113119	7	77152754	C	0.01547
rs3807745	7	77555379	G	0.00145
rs4296979	7	77583217	G	0.01028

rs17149367	7	77624277	A	0.00072
rs12536887	7	77710003	T	0.01226
rs10485886	7	77895776	C	0.00845
rs11525066	7	78013913	T	0.01455
rs17372719	7	78028121	C	0.01383
rs521311	7	78305657	G	0.01275
rs7782585	7	78722211	A	0.00174
rs9969364	7	78873419	A	0.01438
rs6949888	7	79076650	A	0.00744
rs10499845	7	79158483	T	0.01340
rs6966238	7	79551009	T	0.01361
rs306709	7	79732430	T	0.00678
rs17260734	7	79981291	T	0.00594
rs17260769	7	79981364	C	0.01037
rs763479	7	80659147	A	0.00125
rs6961599	7	80944560	T	0.00032
rs7786648	7	81080173	C	0.00553
rs17155272	7	81086746	T	0.01109
rs10257186	7	81617435	A	0.00162
rs17264194	7	81813537	C	0.01445
rs2368021	7	81821560	A	0.00011
rs6975142	7	81855385	T	0.00037
rs13438494	7	82226650	T	0.01526
rs34608268	7	82233177	C	0.01441
rs10954689	7	82240309	C	0.00761
rs7795945	7	82322986	C	0.01541
rs1986742	7	82341378	C	0.01587
rs1557784	7	82682474	C	0.00392
rs2709890	7	82883620	T	0.01612
rs533887	7	83136139	T	0.00636
rs17216863	7	83194778	C	0.00977
rs17158535	7	83502065	A	0.01085
rs12669854	7	83543343	T	0.01029
rs520536	7	83802374	C	8.26600
rs1236923	7	83939710	C	0.00434
rs4728560	7	84197220	G	0.00468
rs11764839	7	84281713	C	0.01318
rs12672643	7	84291220	T	0.00423
rs4395839	7	84291612	T	0.00068
rs7799648	7	84341515	T	0.01044
rs1013264	7	84658419	G	0.01335
rs1911993	7	85285979	T	0.00779
rs10280835	7	85368185	T	0.01570
rs17313775	7	85436441	G	0.01303

rs17316106	7	85509840	T	0.01594
rs12704280	7	86079324	G	0.01457
rs2888551	7	86225947	G	0.01413
rs17160978	7	86243244	T	0.00102
rs17161024	7	86298766	G	0.01582
rs10952891	7	86305187	C	0.01570
rs6946119	7	86966801	C	0.01319
rs2282949	7	87471440	A	0.00441
rs10268574	7	87606110	C	0.01160
rs916849	7	87784913	A	0.00821
rs181097	7	87922975	G	0.01150
rs10237276	7	88279872	T	0.01477
rs6465247	7	89662413	G	0.00601
rs11563560	7	89698381	C	0.00551
rs194534	7	89709068	G	0.01030
rs2040514	7	89763497	A	0.00684
rs7796430	7	90203764	A	0.00056
rs10281519	7	90747960	T	0.00463
rs1209001	7	91278295	T	0.00531
rs2269811	7	91347487	G	0.00514
rs403	7	91379438	T	0.01083
rs10488509	7	91455027	G	0.00150
rs11769780	7	91694752	A	0.01437
rs12740	7	91867238	A	0.00703
rs4729068	7	92516838	G	0.00198
rs6971944	7	92553794	C	0.00657
rs2528552	7	93117418	T	0.00966
rs13229259	7	93440637	G	0.00664
rs726820	7	93449846	T	0.00915
rs10953111	7	93783391	A	0.00987
rs12704838	7	95713592	C	0.00660
rs12536064	7	95854947	A	0.00944
rs10953178	7	95968574	C	0.00973
rs6465528	7	96053584	C	0.00234
rs2272225	7	96146957	A	0.01254
rs10486858	7	96378364	G	0.00095
rs6956369	7	96453948	T	0.01273
rs4480045	7	96736110	G	0.00412
rs2394625	7	96806264	G	0.01059
rs2525549	7	99371047	T	0.01539
rs16869529	7	101523084	G	0.00646
rs10953363	7	101811250	T	0.01531
rs17475512	7	102299724	G	0.01467
rs10487172	7	103189479	G	0.01299

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rs2283034	7	103305285	G	0.00053
rs10487180	7	103406534	A	0.00621
rs12539921	7	103480415	T	0.01292
rs4730006	7	103825729	A	0.00747
rs17639782	7	104401900	A	0.00654
rs2299305	7	104578311	G	0.00624
rs2668882	7	104935136	A	0.00152
rs17152355	7	105362438	A	0.00102
rs6954754	7	105609420	A	0.00805
rs6951857	7	105620778	A	0.00241
rs4382396	7	105664944	G	0.00352
rs4730253	7	107148672	G	0.00604
rs4730259	7	107183738	T	0.01596
rs2052314	7	107775954	A	0.00855
rs16872525	7	107812351	A	0.00344
rs3922355	7	108317456	G	0.01166
rs9690782	7	108319365	A	0.01211
rs2037048	7	108517632	C	0.01296
rs1723631	7	109534294	T	0.01342
rs258984	7	110321238	A	0.00083
rs7809411	7	110447291	A	0.00408
rs2107147	7	110520953	T	0.01060
rs258922	7	110833204	T	0.00382
rs17158713	7	111109991	A	0.00437
rs2560656	7	111540083	G	0.00908
rs10953704	7	111596431	A	0.00408
rs10216230	7	112140548	A	0.01091
rs10215501	7	112140676	G	0.00670
rs10271752	7	112187296	G	0.00954
rs2396570	7	112230777	T	0.00880
rs3957315	7	112231329	T	0.00947
rs821785	7	112252077	T	0.01565
rs821787	7	112263992	G	0.01580
rs6948575	7	112287160	A	0.01226
rs685259	7	112323976	G	0.01460
rs2974945	7	113301392	G	0.01221
rs13237006	7	114445722	T	0.00651
rs7806678	7	114627935	A	0.01240
rs7782721	7	114670626	G	0.00016
rs2188540	7	114751682	A	0.00284
rs4320477	7	115277912	T	0.00412
rs10239692	7	115704176	C	0.00057
rs193588	7	116638006	G	0.00129

rs11487118	7	118571989	C	0.01279
rs7805413	7	119754163	C	0.00370
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rs9886190	7	120018452	G	0.01153
rs2049643	7	120018941	C	0.01333
rs10277086	7	120022020	G	0.00577
rs2244863	7	120410072	C	0.00690
rs4731007	7	120691895	C	0.01434
rs2707461	7	120774586	C	0.01661
rs2536163	7	120790146	G	0.01651
rs12706408	7	121768078	T	0.01603
rs10268368	7	122127346	T	0.00798
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rs12666974	7	122979210	T	0.01056
rs17146118	7	122997918	T	0.00228
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rs17703063	7	123291556	C	0.00682
rs2191277	7	123581273	C	0.01365
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rs10500106	7	124779451	T	0.01442
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rs6979193	7	125371603	T	0.00263
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rs7792592	7	126083177	G	0.00935
rs10487483	7	126861374	G	0.00140
rs10273635	7	126945593	C	0.01091
rs698408	7	127133172	T	0.01622
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rs1451006	7	127637891	T	0.00046
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rs1495458	7	128390228	A	0.01571
rs12155080	7	128445975	C	0.00110
rs13223151	7	128916976	C	0.01049
rs17164742	7	129645173	T	0.00506
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rs9641869	7	129703266	C	0.00713
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rs10272488	7	130971372	G	0.01563
rs10257021	7	130971538	G	0.00510

rs2971772	7	131058210	G	0.00410
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rs4535659	7	131104596	A	0.00359
rs10954327	7	131108546	G	0.00648
rs9656405	7	131165524	A	0.01320
rs6944918	7	131167742	G	0.00551
rs1004592	7	131168465	A	0.00066
rs11975237	7	131168939	G	0.00889
rs10488343	7	131224861	G	0.01493
rs734689	7	131731485	A	0.01501
rs156932	7	131804990	G	0.01637
rs125095	7	131842267	G	0.00703
rs17823517	7	131848275	G	0.01157
rs156978	7	131854448	T	0.01001
rs1426496	7	131886201	G	0.01456
rs527159	7	132037053	T	0.00318
rs623098	7	132040626	C	0.00496
rs998827	7	132137536	T	0.01363
rs13246875	7	132140892	A	0.00266
rs17422732	7	132392028	T	0.01347
rs10245117	7	132436682	C	0.00638
rs17167646	7	133558993	G	0.00001
rs11771203	7	134077222	T	0.00192
rs3304	7	134147771	A	0.01360
rs6956447	7	134151672	A	0.01518
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rs292641	7	134597284	C	0.00265
rs17479687	7	134725373	G	0.00533
rs3112354	7	135043780	T	0.00197
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rs10233321	7	135133591	A	0.01465
rs10244209	7	136030769	A	0.00083
rs7792231	7	136134010	A	0.00360
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rs7800093	7	136339921	T	0.01227
rs918974	7	136421389	T	0.01610
rs1725021	7	136543860	T	0.01113
rs832974	7	136552209	C	0.00853
rs17169007	7	136590958	C	0.00345
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rs274012	7	137300584	C	0.00627
rs2035736	7	137451205	C	0.01290

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rs1638196	7	138920471	G	0.01604
rs9719540	7	139021084	G	0.00090
rs2270163	7	139135304	A	0.00570
rs4726499	7	139334473	G	0.01648
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rs1639945	7	139909578	G	0.00174
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rs553046	7	140422870	C	0.00913
rs491554	7	140423083	T	0.00375
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rs3020838	7	141555389	C	0.00769
rs361487	7	141726987	C	0.01134
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rs476826	7	142616556	C	0.00472
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rs10952742	7	147597745	G	0.00856
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rs17552167	7	148160855	A	0.00399
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rs10236188	7	149876189	T	0.01497
rs765483	7	150227241	T	0.01195
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rs1735004	7	155634639	G	0.00682
rs1181917	7	155645607	G	0.00530
rs12539207	7	156344327	C	0.00175
rs11979077	7	156441797	G	0.00542
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rs17065022	8	426230	A	0.00518
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rs3901161	8	1632110	T	0.01275
rs2977186	8	1667092	G	0.00878
rs6558527	8	1690318	G	0.00090
rs11136437	8	1801549	G	0.01457
rs12681485	8	1834095	A	0.01180
rs7386814	8	1859902	C	0.01348
rs2272611	8	1864038	G	0.00955
rs17752483	8	2095060	T	0.00467
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rs17685416	8	2101199	T	0.01233
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rs13263104	8	3114063	G	0.01530
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rs7008857	8	3115312	C	0.00465
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rs17323568	8	3430697	G	0.01565
rs1158563	8	3467652	G	0.00745
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rs4345580	8	3575173	G	0.00597
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rs2552159	8	3907186	C	0.01353
rs17068984	8	3945357	G	0.00628
rs5028014	8	4033014	G	0.01115
rs7013270	8	4043184	A	0.01134
rs11993860	8	4215491	A	0.00187
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rs11136803	8	4775885	G	0.00190
rs7832116	8	4830337	G	0.00840
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rs7834162	8	5202059	G	0.01209
rs2527758	8	5408337	G	0.00926
rs17355285	8	5456765	T	0.00109
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rs890025	8	5927228	A	0.01165
rs2552238	8	6019053	G	0.00039
rs4997127	8	6092262	G	0.00390
rs4466421	8	6116508	T	0.01483
rs7827867	8	6123920	T	0.01611
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rs2945839	8	8238782	A	16.26300
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rs13248096	8	8614886	T	0.01030
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rs2100021	8	8950115	C	0.00365
rs17149797	8	9227381	A	0.00475
rs17149989	8	9308462	G	0.01521
rs17733293	8	9413354	G	0.01012
rs9644708	8	9638327	G	0.00209
rs471480	8	9849872	T	0.01376
rs814409	8	9970776	A	0.00891
rs9657539	8	10293089	A	0.01090

rs12543042	8	10483112	C	0.00387
rs17152302	8	10657436	T	0.00752
rs10113332	8	10691571	T	0.00575
rs2245257	8	11137022	G	0.00001
rs7003840	8	11303541	T	0.00503
rs4841529	8	11322991	C	0.00055
rs7018402	8	11330445	G	0.00540
rs12114115	8	11336016	C	0.01396
rs2254891	8	11378539	C	0.00778
rs2409811	8	11585380	T	0.00593
rs4074208	8	12666865	A	0.00720
rs17817461	8	13314065	G	0.00873
rs7840376	8	13772572	A	0.00069
rs1365641	8	14177997	C	0.00212
rs7015616	8	14218917	A	0.00101
rs1461859	8	14431172	C	0.00578
rs1463994	8	14480611	G	0.01600
rs7010545	8	14515450	G	0.01574
rs4831619	8	14517871	T	0.01174
rs12547411	8	14519569	G	0.00652
rs1397293	8	14549919	G	0.01663
rs10503510	8	14568760	A	0.00862
rs12681897	8	14731549	A	0.01363
rs4602887	8	14763659	A	0.01315
rs268386	8	15076490	C	0.00085
rs17472351	8	15096243	G	0.00119
rs7838162	8	15246310	T	0.00346
rs352766	8	15688930	C	0.01035
rs2736017	8	15759096	A	0.00247
rs10096072	8	15995933	T	0.00057
rs7835305	8	16068755	A	0.00589
rs2163120	8	16165538	C	0.01292
rs4831814	8	16198679	C	0.00171
rs1094542	8	16492644	A	0.00364
rs17584028	8	16557658	A	0.01198
rs17123386	8	16561402	T	0.01419
rs6997598	8	16562352	T	0.01618
rs1368538	8	16592499	G	0.01537
rs1620255	8	16649761	A	0.01450
rs17585055	8	16723732	C	0.00747
rs2410441	8	16801933	A	0.01417
rs823580	8	16803309	G	0.00404
rs6990261	8	16907413	T	0.00389
rs2959634	8	17071223	T	0.00587

rs4921744	8	17202683	T	0.01028
rs17590021	8	17551579	C	0.01119
rs209972	8	17595342	G	0.01513
rs2937891	8	17617387	T	0.00751
rs3739408	8	17657126	A	0.01313
rs3739407	8	17657155	C	0.00148
rs2653400	8	17782361	G	0.00534
rs3898982	8	17905246	A	0.00352
rs7465287	8	17978145	C	0.00862
rs9325829	8	18354351	T	0.00678
rs1473482	8	18641042	T	0.00630
rs6586769	8	18738489	T	0.01292
rs12155557	8	18823979	C	0.00994
rs7016207	8	18977446	T	0.00214
rs4922001	8	19091623	G	0.00916
rs9325853	8	19156865	C	0.01379
rs7845057	8	19234037	A	0.00063
rs17128267	8	19257352	C	0.00859
rs17128272	8	19257994	T	0.01538
rs10503654	8	19260902	C	0.01365
rs6586833	8	19350542	T	0.00225
rs41332747	8	19454071	T	0.00950
rs13257337	8	19526378	G	0.00971
rs12549679	8	19627830	A	0.00897
rs17091182	8	19630705	T	0.00164
rs17091190	8	19630860	T	0.00079
rs13253777	8	20116050	C	0.01494
rs7010567	8	20627791	T	0.00151
rs2631923	8	21119952	A	0.01165
rs2610984	8	21224993	C	0.00395
rs4445224	8	22611014	C	0.01383
rs4872539	8	22632507	T	0.01126
rs4872540	8	22654926	T	0.00103
rs11991347	8	22699268	G	0.01119
rs17697763	8	23386484	A	0.01642
rs10866831	8	23524869	T	0.01553
rs1512268	8	23582408	G	0.00393
rs870033	8	24163410	C	0.01185
rs17052096	8	24424830	A	0.00898
rs12546913	8	24437265	G	0.00042
rs10099022	8	24566691	C	0.01365
rs7844382	8	24785810	A	0.01128
rs954257	8	25306684	C	0.01375
rs7815749	8	25700478	A	0.00484

rs7006125	8	25977877	T	0.00076
rs41461444	8	26033556	C	0.00875
rs17055486	8	26505328	T	0.01152
rs17055515	8	26527021	T	0.00192
rs4732626	8	26638230	T	0.01415
rs13261597	8	26684235	C	0.01287
rs6557991	8	27231225	G	0.00063
rs4149256	8	27455435	C	0.00253
rs2010776	8	27645946	A	0.00207
rs6987111	8	27656369	A	0.01610
rs6989156	8	27660469	C	0.01542
rs6989497	8	27668810	T	0.01076
rs10091671	8	27680859	T	0.01410
rs1460224	8	27694316	C	0.01607
rs4732754	8	27706347	T	0.01552
rs4732757	8	27725167	C	0.01612
rs17057911	8	27729323	T	0.01605
rs17057923	8	27729539	A	0.01630
rs7824383	8	27772520	A	0.00636
rs6558023	8	27787698	A	0.00574
rs10156256	8	28140500	C	0.01565
rs189509	8	28247625	G	0.00797
rs719926	8	29142862	T	0.01350
rs6558102	8	29152772	G	0.00562
rs16876410	8	30047602	C	0.00864
rs2938217	8	30239111	T	0.00086
rs2915595	8	30522359	A	0.00570
rs2978296	8	30694482	C	0.00184
rs323369	8	30845258	G	0.00801
rs323375	8	30850713	C	0.00379
rs11574238	8	31063745	C	0.00332
rs2737334	8	31113009	C	0.00382
rs2737339	8	31133012	T	0.01511
rs2737367	8	31167121	G	0.01627
rs2344801	8	31184184	A	0.01256
rs4733239	8	31264379	T	0.01428
rs7005168	8	31266000	C	0.01637
rs6980510	8	31266118	G	0.01645
rs17596255	8	31294142	C	0.01405
rs1546326	8	31764724	A	0.00600
rs10503896	8	32050583	A	17.23800
rs1947734	8	32057445	A	0.01097
rs16879099	8	32256855	T	0.00798
rs16879101	8	32256902	T	0.01230

rs1386438	8	32315085	A	0.01304
rs17645692	8	32489443	A	0.00480
rs13252799	8	32499495	A	0.00283
rs6998559	8	32991625	G	0.00668
rs6998432	8	33380259	T	0.00679
rs10088476	8	34451364	A	0.01454
rs7357540	8	34561583	C	0.01594
rs4549767	8	34659005	A	0.01211
rs10503970	8	34985910	A	0.00579
rs6468300	8	34988743	T	0.00891
rs1451359	8	35090913	G	0.00530
rs12216854	8	35276445	A	0.00254
rs10104759	8	35423940	T	0.00926
rs7001739	8	35463388	A	0.00816
rs10090689	8	35475675	C	0.01151
rs4739412	8	35476016	G	0.00176
rs12544168	8	35523949	G	6.68100
rs6989128	8	35531300	A	0.00892
rs983273	8	35534272	G	12.58500
rs997084	8	35541296	T	0.00640
rs2703872	8	36497057	A	0.01078
rs10090112	8	36776986	G	0.01244
rs12543523	8	36780844	G	0.00540
rs368063	8	37305026	C	0.01306
rs10087363	8	37466672	C	0.00006
rs16887244	8	38150502	G	0.01445
rs2288696	8	38405382	C	0.00174
rs2604497	8	38592732	C	0.01421
rs7816405	8	38671914	T	0.00131
rs6988514	8	38923786	G	0.00532
rs4527834	8	39121910	T	0.00911
rs1376720	8	39613659	A	0.01505
rs9643868	8	39639013	A	0.00277
rs6988389	8	39640576	T	0.00223
rs7821033	8	40047207	A	0.01216
rs16888736	8	40062757	C	0.01346
rs6474237	8	40181650	G	0.00174
rs9643874	8	40322948	A	0.00137
rs7826650	8	41651413	G	0.01567
rs11784321	8	41733872	C	0.01157
rs2974293	8	42488612	T	0.00770
rs9643892	8	43198024	A	0.01621
rs899853	8	43347778	G	0.01169
rs4736856	8	43449355	G	0.00768

rs7463484	8	43539989	T	0.00638
rs7460686	8	43618302	T	0.00130
rs10086987	8	48208696	G	0.00303
rs8178258	8	48851919	A	0.00874
rs7838570	8	49491077	T	0.00357
rs900237	8	49758694	T	0.01056
rs10108023	8	49880037	T	0.00816
rs1023768	8	49986758	C	0.00547
rs10081464	8	50221260	G	0.00383
rs1509086	8	50255830	C	0.01230
rs17527	8	50257567	T	0.00837
rs4873330	8	50270223	T	0.01010
rs7386188	8	50772493	A	0.00870
rs10957894	8	51454425	A	0.00466
rs16915106	8	51699950	T	0.01307
rs2392742	8	51932422	T	0.00573
rs4305894	8	52860781	A	0.01259
rs1015213	8	53050094	A	0.01360
rs192392	8	53094411	C	0.01502
rs16917539	8	53304268	G	0.01007
rs7461434	8	53338179	C	0.00716
rs10087238	8	53896925	G	0.01107
rs2625583	8	54043684	T	0.01373
rs12541632	8	54065270	T	0.01332
rs360973	8	54071219	T	0.01364
rs4873692	8	54108723	A	0.00426
rs894915	8	54141127	G	0.01521
rs4873713	8	54163602	A	0.01320
rs2376432	8	54166313	C	0.01401
rs4873722	8	54169597	G	0.00817
rs4873729	8	54191589	C	0.00412
rs2717637	8	54201931	C	0.01399
rs2553914	8	54268198	G	0.00208
rs7007275	8	54269163	T	0.00448
rs2098884	8	54343678	C	0.00501
rs6986286	8	54479559	A	0.00709
rs17398771	8	55495352	T	0.01088
rs1072739	8	55576981	C	0.00648
rs7821133	8	55646339	G	0.00158
rs6991044	8	56071878	C	0.00822
rs4307317	8	56073331	G	0.01631
rs7009231	8	56279417	A	0.00853
rs4737297	8	56382904	G	0.00713
rs16921802	8	56501795	C	0.00169

rs6995177	8	56678140	C	0.00959
rs11777822	8	56849821	A	0.00698
rs16922296	8	56942219	A	0.01505
rs11985083	8	57015415	C	0.00366
rs16922464	8	57024296	T	0.00524
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rs2668000	8	57112918	C	0.00342
rs12680392	8	57377050	G	0.00156
rs2609996	8	57523675	G	0.00761
rs1364956	8	57738405	A	0.01615
rs11989947	8	57926689	G	0.00185
rs1442125	8	58198812	A	0.00588
rs16921695	8	58220209	C	0.00732
rs10958532	8	58244139	G	0.01285
rs6994658	8	58246609	G	0.01214
rs17194487	8	58267466	T	0.00074
rs6982990	8	58277829	C	0.00888
rs17804870	8	58320625	G	0.00149
rs17805110	8	58323993	C	0.01212
rs17805326	8	58332087	C	0.00568
rs17805332	8	58332352	G	0.01037
rs2117890	8	58925608	T	0.01184
rs10504242	8	59148749	C	0.00593
rs13277801	8	59516088	T	0.01203
rs6985620	8	59532713	G	0.00950
rs2726561	8	59821230	T	0.00192
rs13251536	8	59921972	C	0.00215
rs2168409	8	60040787	T	0.00541
rs3110142	8	60204564	G	0.00991
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rs6985045	8	61009822	G	0.00786
rs16926068	8	61436766	C	0.00129
rs10088453	8	62499008	T	0.00373
rs7840865	8	62991951	G	0.00568
rs1864731	8	62994726	G	0.00370
rs7842255	8	63000615	T	0.01447
rs16928166	8	63084209	C	0.00915
rs16928311	8	63113409	C	0.00923
rs16928335	8	63116802	C	0.01607
rs6990341	8	63170923	A	0.00867
rs1545786	8	63796569	G	0.00637
rs12542042	8	63919059	G	0.01327
rs6987149	8	63990420	A	0.00059

rs10103710	8	64469966	T	0.00258
rs13254221	8	64979657	A	0.01311
rs17291458	8	65059841	C	0.01564
rs11777025	8	66626227	C	0.01492
rs11781358	8	66632480	A	0.00056
rs14213	8	66677508	C	0.00639
rs1053088	8	66678337	A	0.01588
rs7831234	8	67214949	A	0.00454
rs9694082	8	67229334	G	0.01597
rs7822243	8	67231942	A	0.00421
rs6999100	8	67245286	A	0.00191
rs1544986	8	68407143	G	0.01013
rs7829537	8	68465081	T	0.01414
rs2114051	8	68754736	C	0.01065
rs6472330	8	68762513	C	0.00326
rs2380427	8	68770846	C	0.01357
rs2553651	8	68777945	C	0.01256
rs2217028	8	68779823	C	0.01595
rs6472342	8	68933224	A	0.01626
rs4428658	8	69015870	T	0.00886
rs6999098	8	69072314	A	0.00890
rs10097733	8	69176372	A	0.01320
rs1914328	8	69450724	A	0.00571
rs16934546	8	69463495	C	0.00346
rs2953964	8	69926501	C	0.00194
rs13273088	8	70656528	G	0.00180
rs17720343	8	70672343	A	0.00524
rs16936279	8	70747363	T	0.00990
rs10089971	8	70815403	C	0.01169
rs4074358	8	71208965	G	0.00205
rs10504469	8	71251571	G	0.00009
rs13277972	8	72188089	G	0.00793
rs16937408	8	72206677	A	0.01477
rs7843772	8	72224650	C	0.01536
rs3763548	8	72602437	T	0.00054
rs10283255	8	72782372	A	0.00987
rs7000490	8	73202985	G	0.01154
rs16938055	8	73210302	A	0.01365
rs10504532	8	73215633	T	0.01664
rs4574889	8	73228899	A	0.01385
rs4363243	8	73230236	T	0.00385
rs13253101	8	73705254	A	0.00295
rs2246785	8	73742670	T	0.00393
rs1965805	8	73818016	A	0.00150

rs10808790	8	73932263	T	0.00656
rs11992054	8	74189026	T	0.00116
rs12541216	8	75037912	G	0.01261
rs10504552	8	75038119	A	0.00638
rs6987422	8	75189439	A	0.00958
rs41421651	8	75199459	G	0.00642
rs2912302	8	75221845	T	0.01424
rs1875064	8	75238861	A	0.00462
rs2977056	8	75247824	G	0.01203
rs2936680	8	75251256	G	0.01599
rs10957702	8	75306307	T	0.00640
rs2977046	8	75342192	C	0.01619
rs269173	8	75799475	A	0.00122
rs16939078	8	76554139	A	0.00159
rs10464917	8	76809591	A	0.00398
rs12543819	8	77072706	T	0.00998
rs863813	8	77088796	A	0.01152
rs830435	8	77100509	A	0.00957
rs1821018	8	77316621	G	0.00611
rs2626349	8	77919190	G	0.00116
rs6982916	8	79134917	A	0.01206
rs7357405	8	79183255	A	0.00720
rs7007747	8	79375373	C	0.01078
rs2169149	8	80381470	T	0.01472
rs1460162	8	80389955	C	0.01612
rs1460163	8	80390003	T	0.00463
rs2461033	8	80758594	C	0.00467
rs16907075	8	80762352	T	0.00795
rs11991941	8	81198733	G	0.01087
rs16907708	8	81509974	T	0.00874
rs11785691	8	81673176	T	0.00908
rs7835909	8	82436290	C	0.01131
rs17720586	8	83431838	C	0.00090
rs7825517	8	84120546	G	0.00129
rs7829784	8	84276448	A	0.00609
rs2090880	8	84277905	A	0.01277
rs7007038	8	84675888	T	0.01636
rs16912406	8	85088628	C	0.01399
rs1365400	8	87083604	G	0.00536
rs7842410	8	87764021	G	0.00759
rs1458132	8	87835529	T	0.01475
rs4639531	8	87858448	C	0.01402
rs6468519	8	87953076	C	0.00776
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rs7840637	8	88872232	A	0.00882
rs7824648	8	88880870	A	0.00928
rs7839686	8	88994844	G	0.00335
rs17717629	8	88999778	C	0.00732
rs278886	8	89061906	T	0.01014
rs10504848	8	89286855	G	0.00380
rs17674293	8	89843560	A	0.00849
rs1487799	8	89971877	A	0.00893
rs7833317	8	90345058	A	0.00837
rs13312971	8	91018273	C	0.01450
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rs717873	8	91089589	G	0.00087
rs4735368	8	91853110	G	0.00739
rs4373488	8	92147433	G	0.01427
rs12678829	8	93644469	C	0.00892
rs278559	8	94324446	C	0.00483
rs1431564	8	94439637	T	0.01278
rs11781676	8	94761703	A	0.00398
rs7009086	8	95932077	A	0.00928
rs16917102	8	95948211	A	0.01165
rs10086284	8	96056103	C	0.00448
rs297571	8	96252193	G	0.01239
rs17668689	8	96254526	G	0.00363
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rs3133762	8	96521815	G	0.01299
rs3104964	8	96664912	C	0.00433
rs6471550	8	96714775	G	0.00597
rs10103791	8	96828102	G	0.00553
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rs7465172	8	96940980	T	0.00647
rs920200	8	96971052	C	0.00311
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rs6985568	8	97591763	T	0.00562
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rs7812565	8	97791047	A	0.01350
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rs1835744	8	98351602	G	0.00112
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rs4368946	8	98497864	T	0.01222
rs2512423	8	98691409	G	0.01359
rs2512424	8	98691491	A	0.00879
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rs1431008	8	102351297	T	0.01508
rs16867595	8	102468210	T	0.00104
rs678347	8	102532778	A	0.00210
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rs2248172	8	103638355	C	0.01349
rs10955290	8	103823287	C	0.01423
rs17790247	8	104148224	A	0.00199
rs2575700	8	104436849	A	0.00156
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rs17821383	8	105361774	T	0.00746
rs921110	8	105387143	C	0.00108
rs11784380	8	106062241	T	0.00133
rs3101274	8	106121519	C	0.00084
rs6983273	8	106257703	G	0.00040
rs1349318	8	106625669	C	0.01292
rs1348262	8	106754469	T	0.00607
rs4734135	8	107328412	T	0.00242
rs11785730	8	108855023	G	0.01095
rs10090705	8	109701721	T	0.00464
rs904174	8	109754362	A	0.01489
rs904175	8	109756487	A	0.01501
rs3019417	8	109769766	C	0.01203
rs4735075	8	109775285	T	0.00475
rs897838	8	110495783	G	0.00440
rs2703388	8	110651938	C	0.01213
rs2844235	8	110663324	A	0.00530
rs16879807	8	110693029	A	0.01456
rs16880052	8	110884232	C	0.00230
rs7832016	8	110983650	G	0.00851
rs4734218	8	111092599	T	0.00228
rs13272142	8	111243309	T	0.00502
rs2350728	8	111253247	C	0.01060
rs11785408	8	111988767	C	0.00788
rs7388152	8	112011935	T	0.00144
rs1427181	8	112260608	C	0.00991

rs4876700	8	112625740	C	0.00697
rs9297452	8	112812615	G	0.01423
rs6469379	8	112845541	C	0.00684
rs1397367	8	112898378	A	0.00049
rs17559706	8	113473315	C	0.01149
rs13262072	8	114002277	T	0.01482
rs35653877	8	114194009	T	0.00916
rs2357037	8	114933324	A	0.01470
rs2175484	8	115076571	A	0.01182
rs7014060	8	115543934	G	0.01167
rs4242563	8	115919514	C	0.00288
rs7016452	8	116052379	A	0.01367
rs6992591	8	116437619	G	0.01197
rs3808409	8	116521516	C	0.00200
rs2272619	8	116666214	A	8.71600
rs10106532	8	116880520	G	0.01385
rs6997203	8	117576668	A	0.00951
rs11775732	8	117579310	G	0.00581
rs12682047	8	117986808	C	0.00684
rs6987643	8	118097727	A	0.01635
rs6998550	8	118363321	C	0.00445
rs4604472	8	118740648	C	0.00828
rs1508566	8	118770631	A	0.00662
rs3115767	8	118821701	A	0.01129
rs1379329	8	119235213	T	0.00117
rs3802185	8	119395223	G	0.00324
rs2326434	8	121116979	C	0.01023
rs11787250	8	121166477	C	0.00872
rs4634688	8	121330818	T	0.00873
rs4585781	8	121898100	C	0.00078
rs2656112	8	122335651	A	0.00427
rs1386442	8	122507370	C	0.00459
rs16895544	8	122582974	G	0.01140
rs1542683	8	122585726	G	0.01224
rs2385922	8	122592919	G	0.01500
rs6998348	8	122706022	T	0.00320
rs11781643	8	123498651	A	0.00756
rs6993726	8	123513831	T	0.01498
rs1523214	8	123725422	A	0.00471
rs2384844	8	123875421	T	0.01499
rs10956116	8	124183514	G	0.01076
rs17378130	8	124310523	G	0.00748
rs16898637	8	124710187	G	0.01161
rs12545556	8	124715203	T	0.00615

rs11777302	8	124719608	T	0.00523
rs13261694	8	124722976	A	0.01463
rs4374971	8	124735468	A	0.01263
rs6470170	8	124736503	A	0.01034
rs1073178	8	125155212	A	0.00135
rs16899480	8	125337303	T	0.01599
rs17296667	8	125366053	G	0.01633
rs4007936	8	125723535	A	0.00851
rs891540	8	125811489	T	0.00898
rs6989594	8	126373049	G	0.01063
rs10110319	8	127448989	A	0.00739
rs12679253	8	127654555	A	0.00797
rs2029425	8	127841380	A	0.01062
rs4871004	8	128051271	A	0.01124
rs2392683	8	128055648	C	0.00395
rs710885	8	128095310	C	0.00768
rs10505483	8	128194377	T	0.01176
rs7357486	8	128510805	C	0.00950
rs7835137	8	128744953	T	0.00894
rs7829132	8	128902659	C	0.00464
rs4733792	8	128909458	A	0.01367
rs4733797	8	128913644	C	0.01521
rs4332094	8	128926090	T	0.01602
rs13259137	8	128927871	G	0.01576
rs2648880	8	129143281	A	0.01545
rs4472475	8	130291217	T	0.01620
rs4733687	8	130321411	A	0.01214
rs4733695	8	130362958	G	0.00271
rs4480081	8	130368674	G	0.00201
rs2099292	8	130427095	C	0.00640
rs11990588	8	130444986	T	0.00889
rs2724831	8	130898219	G	0.01551
rs7463074	8	131640779	A	0.00112
rs12549037	8	131687094	G	0.01276
rs17312795	8	131739875	C	0.00019
rs1876882	8	131814746	C	0.00681
rs10956569	8	132068198	C	0.00851
rs7010302	8	132615532	G	0.01490
rs16904487	8	132723332	G	0.01103
rs11994131	8	132937403	C	0.00308
rs10505586	8	133191683	T	0.00092
rs10505587	8	133197355	T	0.00595
rs2436140	8	133224443	G	0.00375
rs16904805	8	134101611	T	0.00764

rs1133076	8	134194864	G	0.00966
rs2294025	8	134214694	T	0.01424
rs3739262	8	134274895	T	0.00397
rs1060401	8	134339485	T	0.01354
rs4736679	8	134569094	A	0.00440
rs2978015	8	134609061	G	0.00759
rs2978023	8	134617753	G	0.00015
rs1518892	8	134679989	C	0.00529
rs4736702	8	134684911	G	0.01505
rs7003789	8	135434578	G	0.00317
rs11989849	8	135606356	C	0.00365
rs4909801	8	135948341	A	0.00701
rs12386815	8	136027851	G	0.01559
rs16905306	8	136307175	A	0.01504
rs4130250	8	136956284	G	0.00438
rs6997347	8	136994256	T	0.01201
rs1868368	8	137082629	T	0.01171
rs10505642	8	137092988	G	0.00141
rs6994909	8	137094522	A	0.00638
rs4909537	8	137094596	A	0.00144
rs6577701	8	137105435	C	0.00440
rs13266231	8	137113539	C	0.01547
rs13281271	8	137352177	T	0.00955
rs305332	8	137707391	A	0.01574
rs17646599	8	137757137	G	0.01137
rs6985864	8	138084920	G	0.00017
rs4256627	8	138167112	C	0.00579
rs4909356	8	138289997	T	0.00314
rs6577766	8	138347037	C	0.00284
rs17624373	8	138381466	T	0.00724
rs28483233	8	138673785	G	9.32700
rs6577810	8	138682350	A	0.01521
rs4489355	8	138684814	C	0.01447
rs2705304	8	138983556	G	0.01394
rs2705295	8	138987482	G	0.00928
rs2705291	8	138988883	G	0.01165
rs2705285	8	139012095	G	0.00001
rs2668129	8	139034394	C	0.01530
rs17651762	8	139050457	T	0.00123
rs2318334	8	139859320	T	0.00150
rs12114311	8	139940650	A	0.00762
rs11166850	8	139943056	G	0.01067
rs2318342	8	139966338	T	0.00604
rs4074554	8	140232633	T	0.00864

rs6577996	8	140236061	G	0.01155
rs11166882	8	140237822	A	0.01275
rs6578008	8	140272967	T	0.00632
rs2468663	8	140538976	C	0.01664
rs2431300	8	140680936	A	0.01146
rs6578039	8	140757662	T	0.00617
rs883613	8	141145379	A	0.00606
rs9987138	8	141145805	G	0.01283
rs6983924	8	141669401	G	0.01406
rs938726	8	141680246	A	0.01540
rs4961226	8	141711737	A	0.01366
rs6987810	8	141712113	G	0.01362
rs7001673	8	142267778	G	0.01375
rs6578164	8	142428444	G	0.00685
rs11990111	8	142778888	G	0.01052
rs13262940	8	143656311	T	0.00509
rs7844961	8	143999186	A	0.01257
rs7831617	8	143999285	T	0.00042
rs7846671	8	144255341	C	0.00996
rs2722469	8	145926351	C	0.00585
rs10971413	9	331063	C	0.01648
rs10491598	9	582889	A	0.00928
rs1323269	9	780234	C	0.00793
rs10115078	9	792053	C	0.00333
rs16924470	9	813064	T	0.00086
rs279874	9	943057	C	0.00620
rs7043337	9	1061814	G	0.00193
rs1876752	9	1063114	C	0.01234
rs10733226	9	1114027	G	0.00487
rs4740516	9	1211290	G	0.00246
rs4741218	9	1233842	C	0.01307
rs10114766	9	1294068	G	0.00849
rs945663	9	1668482	A	0.00731
rs10962856	9	1707031	C	0.00887
rs10962859	9	1707158	A	0.00498
rs1904091	9	1715917	A	0.00957
rs17724855	9	1862957	A	0.00087
rs1890587	9	1968127	G	0.00674
rs3765580	9	2067888	C	0.01566
rs10964908	9	2119832	C	0.00763
rs3887339	9	2204428	G	0.01185
rs2210398	9	2333547	G	0.01203
rs871786	9	2351176	T	0.00581
rs1020652	9	2667012	T	0.00005

rs12345926	9	2920875	T	0.01315
rs1501586	9	2931418	A	0.00496
rs7045640	9	2968377	C	0.00975
rs3858038	9	2978280	C	0.00489
rs7027328	9	3733730	A	0.00387
rs4570215	9	4050625	G	0.00356
rs7028492	9	4070755	G	0.00738
rs806051	9	4109707	G	0.01504
rs529420	9	4117906	A	0.00161
rs2068911	9	4195498	A	0.00953
rs911488	9	4207773	T	0.00409
rs3895473	9	4319209	G	0.00224
rs457287	9	4824394	A	0.00901
rs10974805	9	4824420	T	0.01099
rs461130	9	4824597	C	0.01249
rs10815160	9	5106616	C	0.00279
rs911735	9	5352762	C	0.00957
rs10815213	9	5408191	G	0.00516
rs702275	9	5436388	T	0.01176
rs10975519	9	6243571	A	0.01592
rs7047921	9	6245319	A	7.77900
rs2039386	9	6258204	G	0.00656
rs10758783	9	6397799	T	0.01370
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rs1759402	9	6670477	A	0.00501
rs17501756	9	6674955	G	0.00631
rs6477134	9	6964101	C	0.01311
rs1570507	9	6964900	C	0.00312
rs10491778	9	6967233	G	0.01341
rs1323410	9	6968691	T	0.00681
rs7019027	9	7041826	C	0.00788
rs4740869	9	7062065	A	0.00560
rs4742409	9	7764180	T	0.01015
rs1853252	9	7850012	T	0.00286
rs10976785	9	8109666	A	0.01303
rs10815767	9	8121675	A	0.00555
rs11787770	9	8132694	T	0.00592
rs10976918	9	8279350	G	0.01043
rs12235247	9	8292233	G	0.01425
rs16927547	9	8322307	C	0.00494
rs1909755	9	8377055	C	0.00392
rs2296101	9	8479006	T	0.00821
rs7023351	9	8568551	C	0.00099
rs17573565	9	8594583	C	0.00865

rs1512380	9	8625791	C	0.01030
rs16928238	9	8636183	G	0.01526
rs7032107	9	8785072	G	0.00875
rs1434254	9	8816278	A	0.01004
rs10759011	9	8863732	G	0.01539
rs10739174	9	8863866	T	0.00409
rs10511516	9	8972308	T	0.01377
rs1332806	9	9345896	C	0.00821
rs10977739	9	9414519	G	0.01288
rs17767692	9	9423671	C	0.01105
rs10977785	9	9455775	C	0.01219
rs10977801	9	9465644	C	0.00150
rs1332199	9	9493477	T	0.01086
rs7046780	9	9592389	G	0.00100
rs10978034	9	9839056	G	0.00473
rs6477431	9	9962241	A	0.00889
rs10958891	9	10114871	G	0.00174
rs10959841	9	11459190	T	0.00924
rs10491950	9	11481500	G	0.00626
rs10756267	9	11701459	T	0.00229
rs791681	9	12512037	C	0.01106
rs10465043	9	12950607	G	6.15400
rs1413359	9	13520487	A	0.00726
rs10810007	9	13709314	T	0.00832
rs7848012	9	14002182	C	0.00339
rs4741394	9	14527386	T	0.01238
rs10961747	9	14826633	T	0.00792
rs504822	9	15232896	A	0.01213
rs10511610	9	15262462	G	0.00740
rs7847144	9	15704658	T	0.01629
rs6474954	9	15704811	C	0.00917
rs4146291	9	15773266	T	0.00838
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rs10810502	9	15942197	T	0.00532
rs1887665	9	15994012	C	0.01214
rs11795150	9	16095961	A	0.00887
rs16934205	9	16185381	T	0.01011
rs12005826	9	16186674	T	0.00412
rs12004216	9	16211742	C	0.00055
rs10756757	9	16509926	C	0.00634
rs10756762	9	16553123	A	0.00997
rs10810581	9	16635894	T	0.00999
rs1888207	9	16686187	G	0.00196
rs10738446	9	16686510	C	0.00040

rs2297176	9	16696012	C	0.01527
rs1856132	9	16720653	C	0.01604
rs9987413	9	16740348	T	0.00650
rs2254330	9	16792973	G	0.00132
rs12351269	9	16796521	G	0.01231
rs3935374	9	16816766	T	0.00049
rs263655	9	16999481	A	0.01573
rs411167	9	17120360	C	0.01271
rs6475141	9	17340378	G	0.01134
rs17547685	9	17622364	C	16.62400
rs6475188	9	17868407	G	0.00239
rs10963347	9	17926235	G	0.00326
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rs16936157	9	17955723	A	0.01318
rs7047163	9	18772512	A	0.00268
rs10156461	9	18808890	C	0.01432
rs7039188	9	18823014	C	0.00605
rs17233198	9	18823053	T	0.00404
rs7862903	9	18852658	C	0.01490
rs6475295	9	18964072	T	0.01453
rs10963974	9	19120611	G	0.01542
rs4977499	9	19135435	A	0.00097
rs7046518	9	19409446	G	0.00527
rs4571814	9	20484511	G	0.01017
rs10964641	9	20631087	C	0.01470
rs17685984	9	20776691	G	0.01394
rs10811525	9	21278176	A	0.00763
rs16938527	9	21663608	T	0.00056
rs2383213	9	22231415	A	0.00104
rs647549	9	22699756	T	0.00697
rs555828	9	22723238	T	0.00855
rs10811780	9	22841021	T	0.00310
rs1536856	9	24228655	A	0.01182
rs7039851	9	24389969	G	0.01538
rs7849050	9	24740179	C	0.01532
rs10757485	9	24762803	G	0.00018
rs12686755	9	24895439	A	0.00251
rs7025783	9	24933729	C	0.00378
rs10114899	9	24949557	G	0.00066
rs4507853	9	24991219	A	0.00805
rs7038072	9	25316440	C	0.01548
rs10966868	9	25332777	G	0.00414
rs1220071	9	25805074	C	0.00002
rs7022624	9	25971645	C	0.00113

rs10115168	9	26696278	T	0.01231
rs7866709	9	26714384	A	0.01471
rs10967532	9	26768168	G	0.01183
rs17755911	9	26874045	G	0.00613
rs16911092	9	27132444	G	0.00565
rs7855848	9	27143055	A	0.00609
rs1107774	9	27154846	A	0.00474
rs10967760	9	27172825	A	0.00657
rs606342	9	27187673	C	0.00633
rs638203	9	27193134	A	0.00300
rs10967795	9	27224132	G	0.00848
rs1885379	9	27262426	T	0.01155
rs10967865	9	27284815	A	0.00572
rs4483251	9	27361123	G	0.00364
rs4258086	9	27381266	G	0.00724
rs1821432	9	28987308	A	0.01195
rs12003345	9	29030151	G	0.01321
rs4355871	9	29643331	G	0.01477
rs10969315	9	29654138	G	0.01647
rs10969317	9	29661982	C	0.01008
rs10969404	9	29827987	G	0.01004
rs7871526	9	29893720	G	0.00482
rs1633490	9	30084419	T	0.00290
rs12350526	9	30247912	C	0.00087
rs10969854	9	30743998	A	0.00810
rs1115506	9	30815690	T	0.01387
rs10758026	9	31143406	T	0.00593
rs1414025	9	31154389	C	0.00875
rs10970497	9	31701586	G	0.01563
rs12550877	9	31702096	T	0.00783
rs1999368	9	32236791	A	0.00078
rs628425	9	32539602	A	0.01314
rs12003093	9	32578258	A	0.01239
rs1442288	9	32879102	C	0.01373
rs11789863	9	33046378	C	0.01123
rs10813950	9	33117640	G	0.00582
rs10813951	9	33118021	T	0.01096
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rs10125115	9	34454433	G	0.01200
rs2381162	9	34544060	T	0.00429
rs2812344	9	34720015	C	0.00511
rs10814234	9	35395543	C	0.01130
rs7863401	9	35932406	G	0.00499
rs7035468	9	36050451	A	0.01642

rs3824425	9	36479161	G	0.01366
rs10758392	9	36720774	T	0.00129
rs7043503	9	36724872	G	0.01431
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rs9298973	9	36878975	T	0.00478
rs10814496	9	36965108	A	0.00414
rs4880048	9	36979054	G	0.00186
rs10125441	9	37537256	T	0.00686
rs10121098	9	37687265	G	0.00173
rs943935	9	38140167	G	0.00436
rs2585667	9	38190215	A	0.01297
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rs7044431	9	38286213	A	0.00501
rs7045549	9	38712442	A	0.00715
rs4271029	9	70412250	C	0.00899
rs10511963	9	70611179	T	0.00194
rs17392931	9	70670116	T	0.01508
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rs17439752	9	71625533	G	0.00985
rs10521434	9	71638815	T	0.01522
rs10521437	9	71865359	C	8.16300
rs7469513	9	72984279	A	0.01164
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rs10115877	9	73199363	G	0.00576
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rs7031344	9	73489262	C	0.01428
rs3780610	9	73518742	G	0.00258
rs12379790	9	73569079	T	0.00570
rs4130866	9	74047938	C	0.00153
rs1322479	9	74073145	G	0.00263
rs7041300	9	74391174	A	0.01612
rs348454	9	74743032	A	0.00557
rs11143443	9	74845870	G	0.00343
rs10114134	9	74993381	T	0.00057

rs11143600	9	75304877	G	0.00232
rs1388362	9	75762609	G	0.01545
rs11143894	9	76095170	G	0.00854
rs3903529	9	76454048	T	0.00024
rs4545164	9	77038315	A	0.00455
rs10869631	9	77484665	A	0.00848
rs11144637	9	77630293	A	0.01449
rs7031123	9	77646521	C	0.01448
rs10521469	9	78074149	G	0.00798
rs2803413	9	78092971	T	0.00244
rs2643318	9	78147391	T	0.00102
rs2149589	9	78390894	A	0.01231
rs10521475	9	78457692	A	0.00575
rs2042612	9	78564595	T	0.00084
rs10119901	9	78576969	C	0.01270
rs7852521	9	78766008	C	0.01605
rs7856464	9	78766827	C	0.00600
rs17423029	9	79084832	A	0.00657
rs11145439	9	79300769	T	0.01657
rs17063760	9	79377780	C	0.00095
rs2047995	9	80359770	T	0.01012
rs1105791	9	80369137	C	0.01338
rs273431	9	81056812	C	0.01414
rs10867359	9	81120514	G	0.00780
rs13298282	9	81236271	C	0.00418
rs10491787	9	81264935	T	0.01522
rs11138241	9	81266285	G	0.00266
rs17427625	9	81267705	G	0.01651
rs10491791	9	81286014	G	0.01215
rs17082511	9	81306157	C	0.01183
rs1329580	9	81776189	G	0.00913
rs17084245	9	82653097	T	0.00850
rs7862233	9	82911008	G	0.00641
rs10780510	9	83149231	C	0.00867
rs947673	9	83444937	T	0.00000
rs4877221	9	83452715	G	0.01165
rs1413797	9	83717339	A	0.00164
rs10512130	9	84417587	T	0.00359
rs4877708	9	84589743	G	0.00737
rs4877709	9	84590086	C	0.00161
rs7872040	9	84739651	G	0.00153
rs7864580	9	85001962	G	0.00095
rs12339855	9	85066219	A	0.00146
rs11140077	9	85228938	A	0.01058

rs10868019	9	85288912	T	0.00356
rs4877791	9	85472161	C	0.00573
rs973460	9	85856918	C	0.01460
rs7033778	9	85861585	C	0.01622
rs1436932	9	85863663	A	0.01003
rs7026159	9	86039924	T	0.00071
rs1932649	9	86059945	T	0.01658
rs11140475	9	86061696	G	0.01467
rs7848051	9	86062589	G	0.01619
rs6559779	9	86095927	G	0.01609
rs885003	9	86099255	G	13.00700
rs12342617	9	86106730	A	0.01598
rs11140507	9	86115568	A	0.01577
rs10780660	9	86115666	A	0.01534
rs10780661	9	86116127	G	0.01443
rs11140508	9	86116712	C	0.01534
rs984430	9	86772647	T	0.01196
rs4877895	9	86803143	G	0.00169
rs1565450	9	86840655	G	0.01393
rs2780936	9	86889466	C	0.01194
rs4877959	9	87836523	C	0.00213
rs7874443	9	87915576	A	0.00687
rs10868394	9	88013838	T	0.01232
rs353785	9	88289182	T	0.00808
rs1929463	9	88480120	G	0.01036
rs927524	9	89082420	A	0.01005
rs6559978	9	89122734	C	0.00186
rs6560003	9	89360555	T	0.00593
rs11141879	9	89360808	G	0.01073
rs7852573	9	89361340	C	0.00797
rs11141909	9	89408672	T	0.01516
rs7044513	9	89417269	G	0.01529
rs2947237	9	89756389	G	0.01021
rs529051	9	89852575	C	0.01643
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rs905362	9	90684334	C	0.01251
rs9410435	9	90756021	C	0.01574
rs944481	9	90843107	G	0.00663
rs17529841	9	91218889	G	0.01649
rs10908931	9	91295097	T	0.00328
rs17440913	9	91343208	G	0.00740
rs10429497	9	91401682	A	0.00255
rs7025971	9	91733701	T	0.01486
rs10993331	9	91766807	G	0.01546

rs601472	9	91816515	G	0.00997
rs1777044	9	92136871	C	0.00871
rs748121	9	92151848	C	0.01484
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rs10993697	9	92615787	A	0.01008
rs965892	9	92669610	G	0.00068
rs158690	9	92696806	G	0.00460
rs12344755	9	92698773	C	0.00328
rs2184540	9	92841029	A	0.00564
rs7869771	9	93220448	C	0.01102
rs7867022	9	93261356	C	0.00032
rs7039956	9	93315663	A	0.01172
rs6479357	9	93350488	A	0.01583
rs902922	9	93373538	T	0.00362
rs10465156	9	93960316	T	0.00738
rs471478	9	94040930	G	0.01577
rs710162	9	94099611	T	0.00642
rs7853859	9	94191198	A	0.00451
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rs10992675	9	95003137	G	0.01110
rs3001450	9	95125191	G	0.00389
rs11791374	9	95285108	C	0.00286
rs10821147	9	95311188	A	0.01052
rs10761238	9	95391038	G	0.01185
rs2994370	9	95407641	G	0.00657
rs10117505	9	95710034	G	0.00882
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rs7033633	9	96878602	A	0.00837
rs356689	9	97026515	A	0.00350
rs10283758	9	97040020	G	0.00403
rs4743091	9	97417012	A	0.00213
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rs4743123	9	97440063	G	0.00151
rs12552255	9	97476979	G	0.01591
rs700983	9	97533546	A	0.00915
rs4743271	9	97548449	T	0.00814
rs4743272	9	97548530	G	0.00477
rs17396240	9	97778620	G	0.00552
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rs1877431	9	99573968	T	0.00197
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rs2151214	9	100270042	A	0.00968
rs2779563	9	100317637	A	0.00608
rs10081642	9	100428597	T	0.00081

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rs7037831	9	104007544	C	0.01151
rs10989911	9	104049649	T	0.00708
rs10990034	9	104162114	T	0.00900
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rs860935	9	104631779	A	0.00687
rs16922210	9	104634220	A	0.01341
rs2843571	9	104928708	C	0.01112
rs10120196	9	104939864	C	0.01661
rs925224	9	105304375	T	0.00067
rs1373247	9	105758142	T	0.01341
rs41448350	9	106333586	T	0.00720
rs10739904	9	106470783	T	0.00853
rs2297406	9	106591359	T	0.00238
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rs10978606	9	108517848	A	0.01002
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rs2417805	9	109606932	T	0.00026
rs10979150	9	109782342	A	0.00466
rs7042321	9	109881414	T	0.01636
rs10979206	9	109900334	G	0.01519
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rs1994807	9	110464975	T	0.00269
rs16913434	9	110488445	C	0.00496
rs10116332	9	110595461	A	0.00497
rs4339712	9	110627972	G	0.00801
rs13296942	9	110643188	G	0.01438
rs10114192	9	110661885	A	0.01172

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rs10979805	9	111092056	T	0.00702
rs7857453	9	111394619	C	0.00367
rs2025878	9	111561356	C	0.00531
rs3983508	9	111617994	C	0.00846
rs1327535	9	112175998	C	0.00166
rs10980446	9	112364717	G	0.00321
rs498102	9	112633720	T	0.01602
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rs6477821	9	113184850	G	0.01437
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rs10983319	9	118523287	T	0.00821
rs2182552	9	118660584	T	0.00292
rs11788987	9	118717375	T	0.01476
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rs4481682	9	119603089	A	0.00268
rs1573082	9	120102558	T	0.00239
rs10984106	9	120394320	T	0.00271
rs10115939	9	120458542	T	0.01504

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rs724975	9	120828533	G	0.00621
rs1571903	9	121047881	A	0.00523
rs1221139	9	121073375	G	0.01040
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rs7032141	9	121293819	G	0.01528
rs12343913	9	121525825	A	0.00463
rs846825	9	122133808	G	0.00600
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rs17343890	9	122389520	A	0.01036
rs7022941	9	122907291	C	0.00235
rs10739594	9	123075201	G	0.00188
rs7022103	9	123732934	A	0.01337
rs10985462	9	123749107	G	0.00501
rs11999461	9	123761759	T	0.01609
rs10513388	9	123856819	C	0.01292
rs3818638	9	123946544	C	0.00338
rs3808899	9	124032645	G	0.01022
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rs4836897	9	124368297	A	0.00161
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rs41354949	9	131969858	T	0.00305
rs7855331	9	132252642	T	0.00138
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rs2296869	9	134162233	T	0.00532
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rs11103291	9	138087620	A	0.01333
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rs11817793	10	868895	T	0.00247
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rs2813381	10	1610625	T	0.00832
rs7086346	10	1655821	C	0.01644
rs11250832	10	1888716	T	0.00658
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rs4077784	10	1892429	A	0.00052
rs10794794	10	1892670	T	0.00210
rs1010571	10	2016408	G	0.00360
rs11813772	10	2394079	T	0.01372
rs12265744	10	2484461	T	0.01620
rs11251389	10	2624260	G	0.00823
rs17158677	10	2629732	G	0.01109
rs17158687	10	2635905	A	0.01557
rs1008860	10	2726706	A	0.00617
rs11251448	10	2747555	G	0.01077
rs11251468	10	2756759	G	0.00906
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rs4881394	10	5103711	A	0.00701
rs2298305	10	5129886	T	0.00228
rs4077511	10	5568172	G	0.00431
rs7896428	10	5685039	A	0.00122
rs11258725	10	5760430	A	0.01365
rs2669130	10	6022583	T	0.00626
rs11596750	10	6511822	C	0.00137
rs7920034	10	6831198	A	0.00899
rs12570350	10	6835499	T	0.00672

rs11254759	10	6897313	A	0.01043
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rs7912831	10	8771261	G	0.00071
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rs17145188	10	9148524	A	0.00409
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rs10905523	10	9244955	T	0.00561
rs11256103	10	9255068	G	0.01066
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rs2648707	10	12651393	C	0.00571
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rs10906228	10	12889796	A	0.00078
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rs10906308	10	13210473	T	0.01167
rs10906317	10	13247283	C	0.00539
rs7073480	10	13254166	C	0.01544
rs11258459	10	13676307	A	0.01614
rs7910585	10	13692836	G	0.00151
rs10508463	10	13724849	G	0.00408
rs11258494	10	13724911	C	0.00965
rs10508464	10	13725082	G	0.00573
rs10508465	10	13725194	T	0.01354
rs4626964	10	13725557	C	0.01604
rs13005	10	13725772	T	0.01482
rs7088464	10	13923957	T	0.00696
rs17154458	10	14108506	C	0.01220
rs11258843	10	14140238	A	0.00516
rs7095572	10	14158090	T	0.00900
rs968273	10	14168566	A	0.00946
rs17154745	10	14236892	G	0.00019
rs7095401	10	14298284	A	0.00823
rs654608	10	14468478	T	0.00401
rs11259166	10	14620338	T	0.00977
rs11259193	10	14651316	C	0.01034
rs10906752	10	14818107	G	0.01037
rs2601735	10	14867137	C	0.01350
rs12218679	10	15398069	T	0.00093
rs11259651	10	15504677	A	0.01355
rs7905319	10	15837204	C	0.00755
rs4748231	10	16056279	A	0.01289
rs17138511	10	16466321	T	0.00681
rs7082220	10	16469618	T	0.00874
rs7899419	10	16751463	T	0.01527
rs7921270	10	17081765	G	0.00868
rs5009752	10	17344934	A	0.01258
rs359288	10	17370186	A	0.00398
rs10508553	10	18270265	A	0.01617

rs2357782	10	18354073	A	0.00901
rs11598236	10	18491890	C	0.00752
rs12413195	10	18510335	C	0.00745
rs1277767	10	18538404	C	0.01534
rs1779246	10	18546917	C	0.00411
rs1556116	10	19195087	C	0.00916
rs7083348	10	19382092	C	0.01258
rs6481814	10	19574958	T	0.00897
rs2499065	10	19612735	G	0.00362
rs11009410	10	19641830	C	0.01409
rs11009595	10	19684979	T	0.01580
rs1591345	10	19685245	T	0.00965
rs7079302	10	19733181	A	0.00825
rs1926204	10	20283648	T	0.00552
rs7922905	10	20534950	C	0.01060
rs16920092	10	20540598	G	0.01289
rs7073927	10	20556872	T	0.00849
rs7074175	10	20556984	T	0.00461
rs11012058	10	20796893	C	0.01245
rs4437938	10	22381427	C	0.00336
rs4266962	10	22381580	G	0.01463
rs11012989	10	22748913	A	0.01122
rs6482213	10	22764104	G	0.00534
rs7914254	10	22780965	A	0.00781
rs2154053	10	22977766	T	0.00817
rs4748822	10	23136360	C	0.00341
rs7899968	10	23204056	A	0.00820
rs17440393	10	23277574	A	0.01095
rs11013210	10	23289115	T	0.00702
rs986151	10	23518621	C	0.00664
rs2137157	10	23765898	C	0.00729
rs6482286	10	23808903	A	0.01481
rs17504419	10	24547825	T	0.00706
rs16924755	10	24763665	T	0.01356
rs12358959	10	25573016	C	0.00852
rs1329255	10	25821413	T	0.00380
rs7072700	10	25828641	C	0.01525
rs10828810	10	25828674	C	0.00232
rs7899012	10	25881321	T	0.00744
rs4747532	10	25905769	G	0.00108
rs11014625	10	25909549	T	0.00862
rs11014632	10	25917657	A	0.00548
rs7904360	10	26244985	C	0.00603
rs787031	10	26837384	T	0.00110

rs4749184	10	27060574	T	0.01236
rs7896781	10	27295757	T	0.00902
rs11015433	10	27296142	G	0.00225
rs16927781	10	27709485	T	0.00099
rs532473	10	27709661	T	0.00257
rs1413895	10	27722150	C	0.00328
rs517060	10	27722495	C	0.01470
rs7072380	10	27922831	T	0.01209
rs1908274	10	27946218	T	0.01384
rs12414929	10	28498769	A	0.01181
rs11007102	10	28760828	G	0.00554
rs17692012	10	29085027	T	0.01005
rs7918685	10	29175932	C	0.00290
rs501561	10	29407769	G	0.01442
rs2211397	10	29590393	A	0.00429
rs2488264	10	29609361	A	0.01132
rs10763702	10	29621792	G	0.01099
rs10763704	10	29626489	A	0.00532
rs16930161	10	29643626	G	0.01051
rs789913	10	29690525	T	0.00231
rs11007683	10	29975384	C	0.00372
rs17778999	10	29975784	A	0.01356
rs1247097	10	30081073	T	0.00041
rs10763778	10	30654280	A	0.00349
rs10826786	10	30680405	G	0.00887
rs8176983	10	30771645	T	0.00981
rs8176984	10	30771666	A	0.00884
rs7074198	10	30901965	G	0.00146
rs4362058	10	30902073	G	0.00966
rs16931828	10	30990752	G	0.01481
rs17295402	10	31094110	T	0.00909
rs7910849	10	31144546	G	0.00320
rs11008296	10	31199671	A	0.00218
rs2487457	10	31383794	C	0.01452
rs7075638	10	31871836	T	0.00774
rs11008826	10	32522055	T	0.00314
rs2505382	10	32801068	A	0.00663
rs16933616	10	33021367	C	0.01230
rs7088801	10	33408650	A	0.00668
rs11009228	10	33433860	T	0.00035
rs2812617	10	34113351	T	0.01401
rs1692708	10	34461560	C	0.00282
rs10827330	10	34464515	T	0.01131
rs1148242	10	34481223	C	0.01186

rs642099	10	34513449	C	0.00217
rs678188	10	34535295	G	0.00634
rs11009685	10	34551996	C	0.00512
rs1111267	10	34567393	T	0.00771
rs664538	10	34617703	A	0.01297
rs977677	10	36130658	C	0.00429
rs1819748	10	36267393	T	0.00530
rs315604	10	36535755	C	0.00898
rs2122723	10	36591137	A	0.01463
rs3924753	10	36793219	T	0.00216
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rs1200826	10	37604993	G	0.00751
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rs289642	10	37981342	A	0.00779
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rs788261	10	42757976	G	0.01204
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rs7909314	10	43667069	C	0.00751
rs11238994	10	44149211	C	0.00794
rs928565	10	44152890	T	0.01471
rs1253718	10	44282888	T	0.01432
rs1572202	10	44330166	C	0.00950
rs17157832	10	45281767	C	0.01228
rs4979664	10	46505309	G	0.00850
rs750211	10	47062190	A	0.00307
rs7069401	10	47067457	A	0.00791
rs11259760	10	47110611	G	0.00989
rs4385821	10	47120957	C	0.01147
rs9325886	10	48032343	T	0.00872
rs7074717	10	48221906	C	0.01443
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rs10857580	10	49356390	A	0.00331
rs6537565	10	49382078	G	0.01315
rs12768835	10	49646975	A	0.00440
rs6537576	10	49649839	T	0.00285
rs11101474	10	49651442	C	0.01589
rs12242220	10	49698112	T	0.01387
rs2620891	10	49699711	G	0.01013
rs10857650	10	49700029	A	0.00623
rs3747878	10	49700248	C	0.00469
rs7922169	10	49715462	G	0.01434

rs2620887	10	49730508	T	0.00685
rs2671713	10	49761168	A	0.00210
rs2671711	10	49764792	G	0.01152
rs12248178	10	49765425	C	0.00624
rs1475256	10	50287769	G	0.00828
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rs3810947	10	50491249	T	0.00094
rs1880676	10	50494123	G	0.01530
rs10857520	10	50512030	A	0.00292
rs10995100	10	52377032	C	0.00354
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rs2816836	10	52422379	G	0.00087
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rs10995339	10	52437180	T	0.00247
rs7895755	10	52444054	C	0.00999
rs10822095	10	52444923	G	0.01341
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rs10822867	10	52815711	T	0.00104
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rs10508944	10	52919580	G	0.01347
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rs10733839	10	52971456	G	0.00419
rs17629265	10	53215988	A	0.00126
rs10999898	10	53308102	A	0.01045
rs7093940	10	53380226	G	0.00888
rs11001444	10	53712562	G	0.00962
rs11001909	10	53836193	T	0.00569
rs7916982	10	54395856	C	0.00288
rs7915769	10	54426191	T	0.00442
rs6480996	10	54566822	T	0.00613
rs2384124	10	54567756	A	0.01367
rs12571782	10	54568138	C	0.00071
rs2133469	10	54807251	A	0.00928
rs2610891	10	55412724	G	0.01459
rs2610873	10	55483294	A	0.01577
rs7919046	10	55659436	C	0.00570
rs1937393	10	56062569	C	0.00521
rs6481116	10	56106514	C	0.00515
rs11004466	10	56142441	C	0.01206
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rs11004473	10	56144916	T	0.00965
rs11004515	10	56162216	T	0.00893
rs12772404	10	56577310	C	0.00904
rs11004781	10	56658060	T	0.00994
rs11004794	10	56699129	A	0.00585
rs11004973	10	57127236	G	0.00875
rs7902926	10	57304818	T	0.00886
rs7897632	10	57390788	A	0.00875
rs2131967	10	57391103	G	0.01541
rs2172738	10	57391411	T	0.01641
rs10825680	10	57391868	A	0.00049
rs10763287	10	57424570	A	0.00010
rs4384321	10	57448762	G	0.01025
rs4384322	10	57448789	G	0.00955
rs12098738	10	58057613	A	0.01309
rs2818836	10	58340522	A	0.01619
rs11817479	10	58380039	A	0.01634
rs2055552	10	58636677	T	0.00774
rs4623821	10	58998686	A	0.00673
rs12245596	10	59487103	C	0.00142
rs1759320	10	59507178	G	0.00713
rs2486489	10	59746059	C	0.00458
rs10740740	10	60052500	G	0.01229
rs16912750	10	60298325	C	0.00161
rs282674	10	60313342	A	0.01207
rs7477459	10	60671321	C	0.00172
rs7069283	10	60809191	A	0.00484
rs7903343	10	60811072	A	0.01506
rs7907910	10	61016383	T	0.00804
rs10821582	10	61148825	G	0.01574
rs2271564	10	61224012	G	0.01482
rs1664278	10	61364310	T	0.01228
rs6479674	10	61372270	C	0.01530
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rs7087489	10	61615937	C	0.00860
rs10994285	10	61685013	T	0.01200
rs2393673	10	62020372	T	0.00575
rs1372711	10	62100671	T	0.01614
rs2448353	10	62228617	A	0.01072
rs2893863	10	62276790	G	0.00540
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rs2393855	10	62725471	G	0.00564
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rs9415699	10	64813564	C	0.00654
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rs7920723	10	65876810	A	0.00204
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rs9414877	10	66648119	C	0.00358
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rs17235168	10	67158318	C	0.00503
rs17239782	10	67337001	A	0.00320
rs1670159	10	67337138	A	0.00952
rs1786923	10	67359195	C	0.00486
rs3907196	10	67555997	A	0.00108
rs1911303	10	67896186	C	0.00081
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rs9415871	10	68786426	A	0.00993
rs12251833	10	68814645	A	0.00610
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rs7097776	10	69605065	C	0.01467
rs4746738	10	69629843	T	0.00021
rs10998184	10	69883970	T	0.00881

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rs2457458	10	69939971	T	0.00211
rs1472814	10	70673618	G	0.00232
rs10762276	10	70722475	G	0.01643
rs1227960	10	70975162	G	0.00868
rs3903038	10	70994937	A	0.01249
rs899022	10	71063502	A	0.01104
rs2812498	10	71089580	T	0.01393
rs10999156	10	71573023	A	0.01273
rs7905657	10	71618793	G	0.00935
rs12253651	10	71779052	G	0.01282
rs2688772	10	72180269	G	0.00075
rs10458653	10	72369768	A	0.00469
rs17542297	10	72444914	G	0.00973
rs7911202	10	72958955	C	0.00341
rs4747164	10	72966441	C	0.00557
rs7094357	10	73126384	G	0.01300
rs10999960	10	73127923	T	0.00763
rs11000019	10	73261536	A	0.00089
rs12253630	10	74438930	A	0.00105
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rs4746196	10	75749022	G	0.00022
rs16931798	10	76311368	A	0.00107
rs4746261	10	76515638	C	0.01177
rs17434565	10	77276161	C	0.01569
rs1998455	10	77321920	G	0.01144
rs12256878	10	77331129	T	0.00729
rs11001571	10	77432249	G	0.00760
rs12416389	10	78070714	G	0.01659
rs1247755	10	78467676	G	0.01401
rs11002078	10	78632821	G	0.00587
rs1468037	10	79022041	A	0.01147
rs2812429	10	79222683	G	0.01348
rs1720300	10	79688026	A	0.00593
rs41385044	10	79782991	A	0.00353
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rs252826	10	80104652	T	0.00779
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rs16936716	10	80445237	T	0.00829
rs2490275	10	80632417	T	0.00391
rs4980054	10	80691847	G	0.00728
rs16937080	10	80764708	T	0.00375
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rs12360384	10	80852808	A	0.01634
rs4255480	10	81725868	G	0.00913
rs11201269	10	81779567	G	0.00075
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rs4934395	10	82404699	A	0.01381
rs3913912	10	83004141	A	0.01017
rs973634	10	83861304	T	0.00894
rs1764094	10	83978789	C	0.00281
rs7071442	10	84120825	T	0.00455
rs17761683	10	84714402	C	0.00226
rs11196923	10	84773295	A	0.00912
rs7898389	10	85035142	C	0.00798
rs10886171	10	85082226	C	0.00469
rs495019	10	85452087	T	0.00123
rs11200762	10	85720683	T	0.00339
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rs7909859	10	85749135	T	0.01612
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rs11200927	10	85974424	C	0.00928
rs10509493	10	86093641	C	0.01416
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rs17113606	10	90599114	G	0.01076
rs12250945	10	90925186	G	0.00345
rs11594137	10	90965187	C	0.01071
rs1556478	10	90973609	T	0.00774
rs7911396	10	91091595	G	0.00052
rs1063943	10	91334149	T	0.00158
rs12771413	10	91382747	C	0.01306
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rs10881695	10	91602036	C	0.00529
rs10509582	10	91607104	T	0.00626

rs2490311	10	92246543	T	0.01296
rs7917422	10	92483177	G	0.00474
rs10881990	10	93647416	G	0.01190
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rs2185834	10	93824133	G	0.00068
rs17449755	10	94659511	T	0.00087
rs835238	10	94745188	T	0.00011
rs787667	10	95063036	T	0.01145
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rs7084339	10	96033722	C	0.00333
rs10786198	10	97056288	A	0.00682
rs3814150	10	97061507	C	0.01492
rs17110617	10	97069876	T	0.01116
rs7089668	10	97598412	A	0.01015
rs6584099	10	98546775	T	0.01578
rs7080839	10	98693207	C	0.00154
rs4606419	10	98737104	A	0.00172
rs6584123	10	99122073	C	0.00283
rs4917792	10	99677879	C	0.00545
rs4919164	10	99681340	G	0.01004
rs1413618	10	99878119	A	0.01627
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rs10748721	10	99989333	A	0.01373
rs3750595	10	99994896	T	0.01293
rs1925636	10	100047697	G	0.00586
rs11189910	10	100717696	T	0.01574
rs7924025	10	100748309	G	0.00539
rs1342580	10	100862771	G	0.01096
rs1954295	10	100873537	C	0.01622
rs10883299	10	100967599	G	0.01060
rs7899146	10	101047389	A	0.00530
rs10786538	10	101094702	A	0.00362
rs4917870	10	101250354	A	0.00621
rs1035210	10	101335409	T	0.01636
rs11190643	10	102422700	G	0.01100
rs10786601	10	102445505	T	0.01304
rs7082923	10	102458016	G	0.01457
rs7090429	10	102766388	G	0.00711
rs7099531	10	102819186	T	0.00154
rs11190913	10	103049028	C	0.00933
rs10883648	10	103175171	A	0.00864
rs4244350	10	103998741	T	0.00413
rs812799	10	104026345	C	0.00699
rs772021	10	104026439	A	0.01230

rs3781287	10	104585410	C	0.01121
rs10883826	10	104820809	G	0.00056
rs1570220	10	105551877	T	0.00346
rs7902587	10	105684291	A	0.01115
rs156699	10	106043631	C	0.01444
rs10491046	10	106060991	G	0.00113
rs10883991	10	106067576	T	0.00941
rs11192008	10	106079416	A	0.00939
rs276214	10	106080777	G	0.00859
rs867626	10	106427223	A	0.00947
rs1349625	10	106820917	G	0.00917
rs11192321	10	106862575	T	0.00960
rs10884103	10	106887944	C	0.01615
rs7906336	10	107064722	C	0.00220
rs6584676	10	107137682	A	0.01368
rs876183	10	107467567	C	0.01022
rs903799	10	107689216	A	0.00673
rs550165	10	107690209	A	0.00343
rs11192739	10	107908905	T	0.00021
rs10884268	10	107938899	T	0.01595
rs821693	10	108110180	A	0.00788
rs12773375	10	108124091	T	0.00429
rs7088535	10	108288081	A	0.00992
rs17121023	10	108342175	A	0.00578
rs11817663	10	108354299	A	0.00626
rs821925	10	108432009	C	0.00894
rs821958	10	108445133	C	0.01153
rs7099998	10	108918548	C	0.01300
rs7082331	10	108918701	T	0.00640
rs10884426	10	108918890	G	0.00395
rs1822155	10	109347069	T	0.00435
rs2418979	10	109527084	C	0.00746
rs17227554	10	109571175	G	0.01386
rs17325365	10	109571479	G	0.00909
rs2551821	10	109582725	T	0.01508
rs317442	10	109930822	T	0.01036
rs161016	10	110029605	T	0.00357
rs11194050	10	110120004	T	0.01094
rs17124681	10	110253292	A	0.01422
rs2039385	10	110344709	A	0.01178
rs1332260	10	110366810	C	0.01568
rs12412977	10	110384900	T	0.01310
rs17783561	10	110961425	A	0.00545
rs10884712	10	110970055	A	0.00513

rs3888122	10	110994544	C	0.01313
rs11194511	10	110998503	C	0.00281
rs830062	10	111021967	A	0.01335
rs11194562	10	111084275	A	0.00319
rs7920353	10	111103117	C	0.00111
rs612155	10	111620721	G	0.00479
rs944966	10	111648324	G	0.00090
rs12768489	10	111699868	A	0.01399
rs10884954	10	112121472	T	0.00749
rs4918508	10	112144100	A	0.00436
rs4918546	10	112384883	C	0.00280
rs7906643	10	112535484	A	0.01601
rs12245104	10	112876728	T	0.01292
rs10509936	10	113026683	C	0.00692
rs10749065	10	113030534	G	0.01591
rs10885262	10	113520074	C	0.00475
rs11195730	10	113547792	A	0.00891
rs11195768	10	113709954	C	0.01226
rs10509959	10	114045499	G	0.00997
rs1887136	10	114065189	T	0.00375
rs7087000	10	114092662	G	0.01392
rs11195939	10	114132094	T	0.01176
rs2306158	10	114182275	C	0.01056
rs12268627	10	114332265	C	0.01076
rs12254159	10	114332350	A	0.00782
rs4132670	10	114757761	G	0.00767
rs12243326	10	114778805	A	0.01136
rs2788175	10	115051438	A	0.00137
rs3127098	10	115387123	C	0.01580
rs2227310	10	115479142	C	0.00371
rs2419879	10	115512165	T	0.01579
rs7071578	10	115533315	C	0.01160
rs11197072	10	116876309	C	0.00649
rs17093112	10	117214465	A	18.95600
rs2804235	10	117368593	C	0.00859
rs12219110	10	117417474	C	0.00007
rs10490919	10	117502578	A	0.01389
rs7070267	10	117853324	C	0.01212
rs2532681	10	118039749	C	0.00441
rs11197640	10	118121372	C	0.00075
rs3781566	10	118638831	A	0.00981
rs7094283	10	118808539	G	0.00014
rs10787753	10	118819674	G	0.00481
rs3847483	10	118949003	T	0.01339

rs3858335	10	118963135	A	0.01416
rs17095891	10	118963546	T	0.00461
rs363226	10	119015202	G	0.00910
rs181628	10	119354660	C	0.00782
rs10886156	10	119599068	G	0.01192
rs2928119	10	119783607	G	0.00423
rs7921175	10	119981748	G	0.00378
rs611959	10	120653901	C	0.00122
rs17099075	10	121352777	G	0.00372
rs11199250	10	122014524	G	0.00233
rs10886674	10	122116262	G	0.00221
rs2463134	10	122193457	G	0.00665
rs978854	10	122292028	A	0.00082
rs7913157	10	122342430	A	0.00074
rs2420789	10	122343706	G	0.01578
rs11199499	10	122441198	A	0.00963
rs11199540	10	122520834	G	0.01139
rs2997307	10	122551064	T	0.00468
rs7901805	10	122561412	A	0.00279
rs10788134	10	122706857	C	0.01280
rs17510577	10	122712496	A	0.00248
rs7911360	10	122795537	T	0.01660
rs7899480	10	122993625	G	0.00573
rs7899611	10	122993679	C	0.00325
rs11199860	10	123011023	C	0.01500
rs10788165	10	123034204	C	0.00794
rs7913694	10	123085176	T	0.00268
rs2420929	10	123143166	C	0.01642
rs2912753	10	123247392	T	0.00049
rs7068354	10	123400930	T	0.00535
rs3862129	10	123573965	G	0.00517
rs11200257	10	123666737	T	0.01527
rs11200277	10	123693800	G	0.00695
rs7906271	10	123697712	C	0.00601
rs10887032	10	123705392	C	0.00093
rs11200440	10	123908165	T	0.01163
rs10887101	10	123948795	C	0.00951
rs1885512	10	124019426	G	0.00781
rs1998345	10	124114296	G	0.00071
rs11200640	10	124214077	G	0.00635
rs4638251	10	124628817	G	0.01305
rs10794589	10	124823720	A	0.00272
rs11248390	10	124841532	A	0.00291
rs913524	10	125074629	T	0.01215

rs6599688	10	125088556	G	0.01087
rs1887821	10	125104041	C	0.01058
rs845076	10	125169174	G	0.01040
rs11592288	10	125300489	T	0.00118
rs7908279	10	125300650	T	0.00207
rs1710960	10	125322821	G	0.00831
rs7084727	10	125441198	A	0.01610
rs1896392	10	125516679	A	0.00016
rs7099115	10	126158000	C	0.01065
rs7086481	10	126834513	T	0.00176
rs10794001	10	127166639	A	0.00757
rs9422941	10	127362741	A	0.01466
rs9804381	10	127400272	A	0.00012
rs6597725	10	127409227	A	0.00676
rs7898112	10	127622475	A	0.00480
rs11244772	10	127701286	G	0.01573
rs2290842	10	127776959	A	0.00419
rs1674919	10	127836118	A	0.01660
rs10901564	10	127908604	G	0.00781
rs1025641	10	128297182	C	0.01189
rs17155051	10	128300416	A	4.22500
rs7908838	10	128380793	T	0.00540
rs10901734	10	128544642	A	0.00410
rs1931744	10	129218811	G	0.00384
rs4080381	10	129240631	A	0.00548
rs4750910	10	129421165	T	0.01060
rs2148895	10	129582283	A	0.01071
rs11018411	10	129636049	C	0.01581
rs2096285	10	129769690	C	0.00900
rs10764747	10	129778717	C	0.01109
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rs7923707	10	130057287	C	0.01617
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rs748309	10	130346934	A	0.00684
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rs16908896	10	130690756	A	0.00438
rs10764876	10	131016364	G	0.01236
rs945226	10	131239246	A	0.00740
rs4751111	10	131392985	C	0.00162
rs4751158	10	131700143	A	0.00156
rs10764939	10	131881129	G	0.00197
rs16910188	10	131881171	T	0.01549

rs1410906	10	131897272	C	0.00298
rs431131	10	132068996	C	0.00353
rs7084067	10	132069411	C	0.00376
rs411620	10	132071257	T	0.00361
rs359058	10	132108798	A	0.01143
rs880832	10	132118628	A	0.00183
rs400803	10	132160832	G	0.01591
rs431690	10	132160885	C	0.01557
rs11017270	10	132165808	A	0.00775
rs402807	10	132173058	G	0.00934
rs426715	10	132177561	G	0.01531
rs10764960	10	132187763	C	0.01617
rs4751217	10	132205806	T	12.84700
rs6482809	10	132206587	G	18.82800
rs7911511	10	132215151	A	0.00408
rs11597303	10	132263195	A	0.01439
rs1176410	10	132463528	T	0.01087
rs10764994	10	132550279	A	0.00352
rs1655156	10	132565500	C	0.01409
rs4751296	10	132578074	T	0.00157
rs7074195	10	132611226	C	0.00917
rs2397738	10	132628747	T	0.00728
rs892322	10	132630798	C	0.00169
rs10829854	10	132641908	T	0.01621
rs11017622	10	132661360	T	0.00247
rs11017623	10	132661446	C	0.00217
rs10458719	10	132704704	C	0.00124
rs12245418	10	132774327	G	0.00283
rs10829909	10	132818897	G	0.01553
rs7075041	10	132884640	G	0.00547
rs2918126	10	132894396	G	0.00494
rs11594412	10	133033946	G	0.00303
rs10765092	10	133250389	C	0.00897
rs7074167	10	133251032	G	0.01062
rs11599194	10	133346672	A	0.00359
rs4388799	10	133389715	A	0.01155
rs9418987	10	135174399	G	0.00105
rs7924341	11	430343	C	0.00088
rs11246342	11	896708	G	0.00670
rs10794281	11	1053149	G	0.01456
rs4881740	11	1476557	T	0.00514
rs17834326	11	1708562	T	0.01010
rs498337	11	1811147	T	0.00034
rs4930030	11	2043796	A	0.01332

rs179409	11	2483882	C	0.01546
rs2237866	11	2486738	C	0.01069
rs4758587	11	3376078	G	0.01095
rs2672215	11	3648225	A	0.01386
rs2672216	11	3648600	G	0.01173
rs10836005	11	4374063	A	0.00654
rs2566269	11	4525601	T	0.00478
rs2641404	11	4534717	C	0.01211
rs17227484	11	4750458	A	0.00847
rs11034685	11	4902921	T	0.01122
rs12282135	11	5072704	G	0.00585
rs11035648	11	5073531	C	0.01152
rs10734485	11	5145420	A	0.00118
rs10742553	11	5145512	A	0.00078
rs11602279	11	5166168	T	0.01308
rs16930808	11	5407670	G	0.00152
rs2133258	11	5723239	C	0.00929
rs4388914	11	5824164	C	0.01304
rs4628655	11	6151051	A	0.01166
rs2067022	11	6716101	C	0.00115
rs7947196	11	6749489	C	0.01571
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rs10839695	11	7010743	G	0.00074
rs766497	11	7214147	C	0.01474
rs10839781	11	7403545	T	0.00099
rs10839814	11	7545167	T	0.01256
rs4372441	11	7613835	G	0.01151
rs11041504	11	7632155	A	0.00652
rs4758330	11	8285769	A	0.01569
rs10840120	11	8758194	T	0.01209
rs3763904	11	9031596	T	0.00618
rs7127387	11	9038237	C	0.01598
rs397686	11	9706221	C	0.00677
rs7120754	11	9755312	A	0.01638
rs360124	11	9758804	C	0.00966
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rs17294693	11	10189289	C	0.01375
rs11601268	11	10473410	A	0.00690
rs41464450	11	10558098	G	0.01599
rs10840501	11	10830511	G	0.01310
rs1872696	11	10967280	T	0.00935
rs1386152	11	10986547	T	0.00934

rs10500737	11	11002835	G	0.01569
rs17429624	11	11082825	C	0.01350
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rs7121652	11	11547422	A	0.01017
rs1455252	11	11710726	G	0.00750
rs8169	11	11941430	T	0.00357
rs10741565	11	11969776	A	0.00243
rs2172469	11	12001084	C	0.01179
rs6485494	11	12105716	G	0.00224
rs4644628	11	12125877	C	0.01033
rs16911154	11	12330256	C	0.00475
rs16911159	11	12330765	G	0.00338
rs11022394	11	12508937	C	0.01147
rs12292638	11	12581803	A	0.01038
rs16911719	11	12872809	G	0.00766
rs12276434	11	12956732	C	0.00659
rs10500770	11	13053050	T	0.01216
rs2165484	11	13056122	T	0.00411
rs11022636	11	13057878	T	0.00144
rs2583136	11	13059500	T	0.00348
rs4451711	11	13077526	C	0.00110
rs3849154	11	13081100	C	0.00327
rs3849161	11	13138194	A	0.00865
rs2593579	11	13435415	A	0.01658
rs10500785	11	13530459	A	0.01043
rs11022899	11	13578990	A	0.00801
rs10832081	11	13581879	C	0.00813
rs12420514	11	13616373	A	0.01559
rs12786409	11	13625777	T	0.01630
rs4471396	11	13891504	G	0.00939
rs10766122	11	13910145	A	0.01630
rs11821106	11	14029178	T	0.00512
rs7131289	11	14034447	G	0.01331
rs11023437	11	15086889	C	0.00261
rs11023472	11	15196467	C	0.01060
rs1714336	11	15201694	A	0.01641
rs10832454	11	15475924	A	0.00815
rs2351097	11	15516762	G	0.01542
rs12578054	11	15613167	T	0.00564
rs11827785	11	15687087	C	0.01346
rs16931985	11	15747400	A	0.00609
rs11023757	11	15858795	G	0.00345
rs2615016	11	15909119	C	0.01085
rs10832554	11	16148859	G	0.00736

rs297325	11	16346170	T	0.01016
rs1847315	11	16365152	T	0.00910
rs12221729	11	16389040	C	0.01024
rs7932807	11	16394987	G	0.00987
rs10500830	11	16441827	G	0.01535
rs4325274	11	16580482	C	0.00708
rs4756858	11	16626773	T	0.00548
rs12577088	11	16820873	G	0.00165
rs11024074	11	16873795	T	0.00585
rs10766360	11	16926330	A	0.00260
rs2883150	11	16931362	G	0.00869
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rs7947297	11	16984904	G	0.00388
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rs10832733	11	17067848	A	0.01235
rs7110037	11	17337608	G	0.00020
rs2190454	11	17490211	T	0.00323
rs7101870	11	17681539	T	0.00802
rs2445206	11	18134918	A	0.01221
rs11024502	11	18135024	A	0.01151
rs10832896	11	18153416	A	0.00251
rs2468772	11	18156255	A	0.00610
rs2445174	11	18220412	C	0.00899
rs11024757	11	18649263	T	0.00664
rs1962511	11	19077252	T	0.00568
rs10833134	11	19584103	G	0.00190
rs12574517	11	19644968	C	0.00780
rs7927862	11	19647564	C	0.00009
rs16937251	11	19911770	G	0.00492
rs2568118	11	19962028	T	0.00008
rs7120486	11	20836106	T	0.01610
rs9633845	11	21042666	C	0.01600
rs1945334	11	21784474	C	0.01198
rs16908613	11	21807233	A	0.01282
rs1009809	11	21818153	G	0.01484
rs428209	11	21981697	C	0.01114
rs1379649	11	21982053	A	0.01554
rs10766916	11	22056773	A	0.01599
rs12278342	11	22840459	G	0.00124
rs2429772	11	22863000	A	0.00155
rs2429752	11	22875997	T	2.19200
rs2403793	11	22957547	A	0.01100
rs7112339	11	23169551	C	0.01080
rs1600957	11	23180811	T	0.00904

rs1482735	11	23192822	C	0.00552
rs11027195	11	23369209	T	0.01265
rs2403952	11	24458489	A	0.00005
rs16913066	11	24680874	T	0.00153
rs2716548	11	24734687	G	0.00622
rs1486698	11	24758224	G	0.00312
rs1838773	11	25045288	T	0.00130
rs11028415	11	25070842	A	0.00421
rs2404026	11	25109057	A	0.01223
rs10742069	11	25143560	A	0.00357
rs7107300	11	25143952	A	0.00880
rs2059541	11	25273068	C	0.01013
rs17242433	11	25581002	C	0.00747
rs17242489	11	25603897	C	0.00974
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rs1389421	11	25747721	G	0.01082
rs17242747	11	25840913	C	0.01295
rs7943568	11	25862285	T	0.01277
rs10834856	11	25909353	C	0.01193
rs1441486	11	25909416	T	0.00255
rs16914910	11	25910098	C	0.00477
rs380170	11	26531206	C	0.00196
rs4532991	11	27089107	C	0.00079
rs920698	11	27151203	T	0.01599
rs7938462	11	27154937	C	0.01239
rs11029891	11	27225055	T	0.01200
rs1488831	11	27593590	T	0.00043
rs10835218	11	27736226	G	0.01048
rs2582898	11	28447264	C	0.00564
rs11030810	11	29751547	G	0.00081
rs559877	11	30490141	G	0.00449
rs10835683	11	30511777	A	0.00097
rs208102	11	31124115	G	0.00107
rs1806156	11	31796992	A	0.00999
rs11031526	11	31878381	G	0.01386
rs11031557	11	32009995	T	0.00175
rs11031630	11	32153509	T	0.01647
rs5030310	11	32367816	T	0.01158
rs201879	11	32565979	G	0.01551
rs201905	11	32595768	C	0.00439
rs11031940	11	32676726	A	0.00314
rs1486582	11	32680449	G	9.91100
rs9943472	11	32730565	G	0.00043
rs7102857	11	32779010	G	0.01504

rs2615923	11	33351118	T	0.01099
rs10501129	11	33376740	G	0.00072
rs4756683	11	33400163	A	0.00994
rs2756289	11	33494074	A	0.00049
rs1402953	11	33727790	C	0.00825
rs11032380	11	33757109	T	0.01355
rs2473929	11	34130872	T	0.00471
rs2955948	11	34210736	C	0.00034
rs7934463	11	34388230	A	0.00279
rs11032695	11	34404162	A	0.00534
rs11032839	11	34734301	G	0.01355
rs7122374	11	35219600	G	0.01510
rs3763889	11	35263469	G	0.00055
rs41352148	11	35266112	A	0.00186
rs11033099	11	35345354	C	0.00650
rs7116961	11	35348844	C	0.01110
rs601295	11	35481696	A	0.01640
rs597762	11	35482454	C	0.01516
rs755727	11	36014659	A	0.00684
rs996977	11	37088830	C	0.01156
rs2662213	11	37106373	A	0.01440
rs7108991	11	37263661	A	0.00217
rs7121356	11	37545471	T	0.01037
rs7946111	11	37604433	T	0.01023
rs7125108	11	39619446	G	0.01450
rs10501217	11	40048945	C	0.00837
rs4429048	11	40149102	A	0.00941
rs1452475	11	40209482	C	0.00859
rs10734480	11	40241419	T	0.00692
rs1353354	11	40542692	G	0.01425
rs10837436	11	40542978	G	0.00932
rs11035930	11	40543235	G	0.00683
rs4756605	11	40572021	A	0.00167
rs11036020	11	40667334	G	0.00767
rs11036035	11	40693286	T	0.01487
rs3226	11	40839047	G	0.00846
rs16935255	11	40980714	T	0.01456
rs10742570	11	41000401	T	0.01374
rs4631866	11	41014153	A	0.00389
rs996263	11	41016901	T	0.00443
rs11036358	11	41304985	G	0.00226
rs11036825	11	42285325	T	0.00772
rs4424659	11	42302576	G	0.00279
rs10768795	11	42307623	G	0.00901

rs7342195	11	42846760	A	0.01262
rs2067048	11	43116209	A	0.00259
rs2114089	11	43153254	G	0.01279
rs17509794	11	43436750	A	0.00191
rs11602193	11	43464732	T	0.01175
rs546614	11	43940549	A	0.00452
rs11037868	11	44091183	T	0.00242
rs10838236	11	44098426	G	0.00256
rs4755782	11	44124572	G	0.00977
rs1390073	11	44167215	C	0.00339
rs10501305	11	44476554	T	0.00914
rs4755885	11	44725608	G	0.00061
rs861354	11	44830108	G	0.01151
rs1466199	11	44843130	T	0.01058
rs10838382	11	44877202	C	0.01042
rs10769107	11	45010828	G	0.01214
rs2863172	11	45217918	T	0.00775
rs4755941	11	45224291	T	0.00213
rs6416130	11	45233558	T	0.00764
rs4237652	11	45236863	G	0.00976
rs4755967	11	45296644	G	0.00013
rs896337	11	45443807	A	0.01550
rs2037311	11	45830024	G	0.00589
rs9300053	11	45835452	C	0.00373
rs12281674	11	45856538	G	0.00746
rs1996573	11	45931219	G	0.00606
rs11038752	11	46029113	A	0.01249
rs2932515	11	46062264	A	0.00518
rs11600292	11	46915274	G	0.00891
rs10769255	11	47323947	T	0.00956
rs17789481	11	48066619	G	0.01174
rs1503168	11	48229272	A	0.00498
rs12365014	11	48586010	C	0.01130
rs1847639	11	48960517	C	0.00960
rs17815807	11	49154124	A	0.00107
rs3960835	11	49283110	C	0.00954
rs17489472	11	50103012	C	0.00920
rs1364762	11	54954489	A	0.00389
rs17494536	11	55017848	T	0.00936
rs7115527	11	55025431	A	0.01028
rs9666744	11	55033178	C	0.00438
rs11828054	11	55054138	G	0.01256
rs17580694	11	55060775	G	0.01218
rs9943519	11	55235453	C	0.01198

rs2127230	11	55253465	T	0.00793
rs10897182	11	55264743	A	0.00591
rs12098903	11	55423089	T	0.00272
rs17596143	11	55434921	T	0.00495
rs17148897	11	55439287	T	0.01119
rs17598094	11	55465391	C	0.00437
rs17602278	11	55605691	C	10.41000
rs17530228	11	55605732	C	0.00478
rs17530318	11	55607598	T	0.00458
rs7943453	11	55616001	T	0.01105
rs10750820	11	55905598	C	0.00933
rs11228676	11	56126682	T	0.00899
rs530547	11	56286186	T	0.01102
rs11228775	11	56298572	A	0.00383
rs12272961	11	56438326	A	0.01228
rs1793426	11	56440326	G	0.01651
rs2903267	11	56713092	T	0.00738
rs1943489	11	56713994	G	0.01187
rs518272	11	56774133	C	0.01160
rs10896597	11	56791325	A	0.00762
rs549630	11	56925282	C	0.01180
rs96894	11	57405819	G	0.01549
rs4127345	11	57812866	C	0.00340
rs4529896	11	57885744	C	0.00243
rs11229433	11	57941912	T	0.00433
rs17154146	11	59300834	A	0.00245
rs529933	11	59530245	A	0.00971
rs1303621	11	59647250	G	0.00646
rs650853	11	59763277	C	0.01207
rs2233244	11	59909107	T	0.00740
rs11230420	11	60120537	C	0.00639
rs12280505	11	60140043	C	0.00024
rs2957229	11	60340498	A	0.01450
rs565679	11	60342231	C	0.01387
rs593315	11	60342652	T	0.00717
rs10897118	11	60352415	T	0.00296
rs582246	11	60360223	C	0.01204
rs9667807	11	60484274	C	0.00344
rs2845573	11	61358484	C	0.01601
rs2463829	11	61845414	T	0.01642
rs3110504	11	61930970	T	0.00147
rs1186941	11	63261225	T	0.01131
rs35079323	11	64425681	C	0.01285
rs907629	11	64596273	T	0.01135

rs508375	11	64605528	G	0.00055
rs1193496	11	65294132	T	0.00024
rs4930346	11	65750255	C	0.00970
rs2075626	11	67556502	G	0.00784
rs2123763	11	68656337	G	0.00415
rs4980635	11	68976688	C	0.01153
rs587903	11	69030054	T	0.01542
rs4522197	11	69258982	A	0.00873
rs10459038	11	70524609	C	0.00931
rs17433007	11	70717451	G	0.00386
rs10897995	11	70729463	G	0.01094
rs11234248	11	70964187	G	0.00132
rs12421579	11	70969138	A	0.01643
rs7113974	11	71303737	A	0.00586
rs1939243	11	71420383	G	0.01366
rs4945426	11	71425794	C	0.00818
rs7109653	11	71515856	A	0.00164
rs2071010	11	71578612	T	0.01578
rs1028050	11	71929039	C	0.00513
rs17132914	11	73674047	T	0.01002
rs472112	11	74699149	A	0.00353
rs479592	11	75069880	C	0.00889
rs683941	11	75124598	A	0.00643
rs684004	11	75124632	T	0.01572
rs1017713	11	75177100	A	0.00612
rs12278224	11	75220909	A	0.00231
rs4944092	11	75587267	T	0.00260
rs10793164	11	75820667	A	0.00961
rs3753051	11	75934863	G	0.01074
rs1149599	11	76151353	A	0.01190
rs4945129	11	76378304	T	0.00809
rs876319	11	76747452	A	0.01592
rs2725834	11	76795565	A	0.00570
rs7925252	11	77024533	G	0.01436
rs603462	11	77255512	T	0.01229
rs9651740	11	77423766	T	0.00694
rs590981	11	77498655	T	0.01489
rs10751296	11	77954925	C	0.01114
rs4457782	11	77962381	G	0.00586
rs495676	11	78234108	G	0.01384
rs1961578	11	78329102	C	0.01639
rs11237782	11	78699911	T	0.00844
rs472870	11	78766903	C	0.00609
rs580331	11	78779722	A	0.00385

rs11237826	11	78805883	C	0.00319
rs4644672	11	78852425	A	0.00819
rs11237878	11	78905159	A	0.00621
rs11237887	11	78917149	C	0.00259
rs1320725	11	79167580	C	0.00950
rs642770	11	79366452	T	0.01623
rs6592876	11	79401323	G	0.00433
rs12226647	11	79694440	G	0.01627
rs2448269	11	79777451	A	0.00611
rs7112033	11	79777810	A	0.01008
rs2443961	11	79851547	G	0.01068
rs2512479	11	79892287	C	0.01040
rs1949886	11	79988714	T	0.01219
rs2373547	11	80007427	A	0.00523
rs4614474	11	80007549	G	0.00632
rs11232256	11	80022511	A	0.01633
rs4945452	11	80292425	T	0.00171
rs2514489	11	80543007	T	0.00200
rs2514462	11	80626998	T	0.00357
rs4133164	11	80878412	G	0.01556
rs1540173	11	80913682	C	0.00925
rs1894143	11	80937359	A	0.00786
rs12271406	11	81236198	T	0.01566
rs664961	11	81387538	G	0.01499
rs1355974	11	81765896	A	0.01604
rs1790708	11	82009082	T	0.00323
rs1939627	11	82025143	C	0.01252
rs533709	11	82104086	A	0.01600
rs497360	11	82111606	C	0.01381
rs2512674	11	82839423	C	0.01461
rs6592120	11	82913481	C	0.00960
rs515618	11	82970299	G	0.00206
rs558211	11	82974099	C	0.00293
rs10501548	11	83184528	A	0.01465
rs2449597	11	83372231	T	0.00914
rs6592177	11	83745645	T	0.01282
rs17734404	11	83791078	T	0.00031
rs1826613	11	84463780	T	0.01458
rs1823777	11	84463859	T	0.00323
rs185932	11	84882119	G	0.00272
rs7937794	11	85556553	A	0.01383
rs7937189	11	85740973	A	0.00066
rs11605057	11	86381744	G	0.00695
rs17149657	11	86404674	C	0.01509

rs10792929	11	86643981	A	0.01499
rs7926724	11	86715213	A	0.01057
rs10751164	11	86864830	C	0.01226
rs4485130	11	87104758	C	0.00644
rs594453	11	87244037	A	0.01170
rs2155105	11	87312529	A	0.01389
rs10898803	11	87322406	T	0.01494
rs11018796	11	87562602	G	0.00410
rs613716	11	87855625	G	0.00857
rs308766	11	87857870	A	0.00035
rs7396702	11	88020199	G	0.01083
rs10082580	11	88073510	A	0.00200
rs961689	11	88074716	G	0.01562
rs11018629	11	88846612	A	0.01409
rs10734123	11	89508403	A	0.00387
rs7928477	11	89535588	G	0.01656
rs10732446	11	89538230	A	0.00927
rs10732447	11	89538330	A	0.00791
rs11018889	11	89538451	T	0.01634
rs2048139	11	89761523	T	0.01106
rs10830506	11	89842824	C	0.01148
rs10501721	11	89921579	G	0.01143
rs10765374	11	89996935	A	0.01039
rs10830566	11	90113605	C	0.01331
rs11019315	11	90561562	C	0.01667
rs2514930	11	90573445	A	0.01644
rs10765455	11	90614434	C	0.00449
rs12363443	11	91406757	A	0.00478
rs7127751	11	91755571	C	0.01585
rs643695	11	91831533	C	0.00713
rs11020043	11	92110236	G	0.01141
rs3957605	11	92277315	C	0.00849
rs41368047	11	92753101	G	0.00423
rs17651231	11	93094172	C	0.01110
rs1945783	11	93437267	A	0.00384
rs629119	11	93890094	T	0.01151
rs629156	11	93890123	T	0.01276
rs16924603	11	93894907	G	0.00434
rs11020812	11	93906765	C	0.01444
rs11020836	11	93948540	T	0.01155
rs10831258	11	94026371	G	0.00837
rs586026	11	94033799	A	0.00938
rs12789145	11	94047384	G	0.00441
rs12797924	11	94584608	T	0.01482

rs4307681	11	94877302	C	0.00081
rs11021246	11	94989214	A	0.00672
rs12365735	11	95008102	T	0.00688
rs10765796	11	95563368	C	0.00965
rs16923429	11	95624950	G	0.00144
rs12795536	11	96176694	A	0.00595
rs577524	11	96315362	A	0.01294
rs1587000	11	96511512	C	0.01059
rs923887	11	96543926	G	0.00954
rs4754927	11	96642470	A	0.00631
rs12294161	11	96761688	T	0.00039
rs347768	11	96762309	T	0.00755
rs347776	11	96777562	T	0.00954
rs1962941	11	96877206	A	0.01326
rs649985	11	97007783	G	0.01087
rs11212290	11	97061599	C	0.00089
rs10890887	11	97173551	G	0.01383
rs10789765	11	97347570	G	0.01058
rs11216033	11	97962694	A	0.00187
rs9783305	11	97966670	G	0.01201
rs17132819	11	98399659	A	0.01278
rs4528296	11	98598888	C	0.01410
rs7109406	11	98867701	C	0.00638
rs17134173	11	99044338	G	0.01035
rs11221224	11	99128324	C	0.01140
rs10894037	11	99245527	A	0.00819
rs1812544	11	99533927	T	0.01337
rs10501961	11	99846823	G	0.00310
rs11224435	11	100138874	C	0.00426
rs667504	11	100221671	G	0.01620
rs10750596	11	100248072	T	0.00377
rs541463	11	100488550	G	0.00043
rs10501992	11	101225143	A	0.01490
rs4315037	11	101225220	T	0.00471
rs1711437	11	101970436	A	0.00729
rs1784408	11	101974719	C	0.01082
rs1711427	11	101982216	C	0.00916
rs11225417	11	102141752	T	0.01646
rs11225458	11	102270618	A	0.01554
rs11225703	11	102691169	T	0.01237
rs2122776	11	102897552	A	18.07800
rs10895465	11	102940124	A	0.00309
rs17405661	11	103266588	T	0.00077
rs11226303	11	103700185	T	0.01270

rs11226307	11	103713704	G	0.01485
rs4755036	11	103804161	C	0.01658
rs10791703	11	103836649	G	0.01331
rs1487687	11	103902520	G	0.00629
rs609552	11	104224935	C	0.00525
rs491191	11	104390357	T	0.01092
rs2847181	11	105388824	A	0.01203
rs11226905	11	105416001	G	0.00049
rs6591148	11	105425885	T	0.01418
rs1940763	11	105555379	T	0.00922
rs594050	11	105666183	C	0.00797
rs11227078	11	105888427	A	0.01570
rs12285411	11	105897117	C	0.00867
rs1945070	11	105944474	T	0.00158
rs1455601	11	106351279	C	0.00099
rs2510596	11	106356732	A	0.00426
rs2276271	11	106833754	T	0.00271
rs17107015	11	106858523	C	0.01578
rs477835	11	107040834	C	0.00936
rs488081	11	107210818	A	0.01508
rs565438	11	107212100	C	0.00050
rs747145	11	107329312	A	0.00283
rs1035730	11	108355597	C	0.00107
rs1396915	11	108419593	A	0.01558
rs12576077	11	108420513	T	0.00917
rs11212886	11	108425255	T	0.00006
rs10749941	11	108684783	T	0.00417
rs11213103	11	108891145	G	0.00838
rs6589115	11	109484797	T	0.00599
rs10891075	11	109582754	T	0.00084
rs1784653	11	109707745	T	0.00789
rs17111116	11	109727259	C	0.01591
rs4753891	11	109803757	G	0.01589
rs7121928	11	109809813	A	0.00374
rs7939476	11	109848196	A	0.00914
rs17392407	11	109852008	T	0.00326
rs10891124	11	109862212	G	0.01401
rs11213434	11	109862633	T	0.00864
rs10488767	11	109964045	T	0.01213
rs7121407	11	110113005	G	0.00469
rs7107797	11	110116860	G	0.00931
rs10891214	11	110361339	T	0.00727
rs532132	11	110545847	T	0.00272
rs4936449	11	110796503	G	0.00258

rs4936453	11	110805992	A	0.00570
rs4630327	11	111044537	T	0.00469
rs4936678	11	111130295	T	0.01564
rs7951256	11	111765984	T	0.00773
rs10891378	11	111884369	C	0.00087
rs10502161	11	112348635	G	0.00795
rs4595579	11	112384205	A	0.00066
rs17115004	11	112522371	T	0.00848
rs4366519	11	112525792	T	0.00887
rs674246	11	112646894	T	0.01645
rs4938026	11	112894682	A	0.00873
rs4938038	11	113086252	A	0.00489
rs238896	11	113499715	G	0.00845
rs404509	11	113619587	T	0.00816
rs11214967	11	113736606	G	0.01373
rs12797627	11	113854997	A	0.01448
rs11215077	11	113964527	C	0.01030
rs10502193	11	114169861	G	0.01559
rs17117693	11	114244549	T	0.00905
rs7944043	11	114366260	A	0.01343
rs11215416	11	114582537	T	0.00257
rs220861	11	114799402	C	0.01070
rs7951102	11	115372533	G	0.00449
rs11215851	11	115607770	C	0.00115
rs2512160	11	115728019	A	0.00064
rs488435	11	115742992	C	0.00434
rs4586206	11	115780827	C	0.00353
rs17119815	11	115934773	C	0.00464
rs10502221	11	116332080	T	0.01324
rs588918	11	116361852	G	0.00443
rs7115242	11	116413493	C	0.01248
rs1351452	11	116448564	G	0.01454
rs1242229	11	116567580	G	0.01525
rs664971	11	116576067	A	0.00202
rs4938375	11	116800183	G	0.00553
rs7111299	11	116920595	A	0.01442
rs755791	11	116938896	T	0.01311
rs10892151	11	117036941	G	0.01223
rs17121153	11	117108441	A	0.00922
rs625464	11	117538755	A	0.01322
rs7103936	11	117596846	C	0.01227
rs2276064	11	118034913	A	0.01503
rs4938565	11	118226208	C	0.00891
rs7933007	11	118235879	A	0.01035

rs11217201	11	118610902	C	0.00256
rs12418662	11	119101982	A	0.01542
rs11217548	11	119248013	T	0.00449
rs471814	11	119299719	C	0.01447
rs1530919	11	119411118	G	0.00883
rs1545509	11	119433098	G	0.00811
rs10444338	11	119434655	A	0.00925
rs1551238	11	119453342	G	0.01444
rs6589801	11	119477197	T	0.00851
rs670855	11	119506905	C	0.01315
rs494965	11	119558860	C	0.01466
rs11217775	11	119626533	A	0.01430
rs17123747	11	119633661	A	0.01294
rs632137	11	119752243	G	0.00923
rs3925505	11	119879098	A	0.00339
rs17311303	11	119882018	T	0.00480
rs7105963	11	119973962	G	0.01115
rs751370	11	120115612	C	0.00481
rs4526780	11	120235831	T	0.00431
rs948379	11	120625340	G	0.00480
rs10892714	11	120642900	G	0.00527
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rs1792124	11	120946730	T	0.00287
rs11218552	11	121590104	G	0.01213
rs7925049	11	121957403	T	0.00620
rs10892909	11	122184691	G	0.00621
rs7130674	11	122511360	A	0.00940
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rs7102292	11	122546723	C	0.00159
rs6589973	11	122568575	T	0.00009
rs6589986	11	122658485	A	0.01325
rs11219311	11	123201471	A	0.01027
rs10893243	11	123898994	A	0.01278
rs2226752	11	123940912	T	0.01126
rs10219424	11	124070598	T	0.00592
rs534502	11	124192016	A	0.00010
rs4575285	11	124327379	G	0.01106
rs4595559	11	124347498	G	0.00356
rs679601	11	124583125	T	0.01226
rs10893378	11	124801611	G	0.01565
rs667653	11	125267989	C	0.01206
rs586197	11	125365265	G	0.01544
rs3740909	11	125394736	A	0.00666

rs3740912	11	125396479	T	0.00287
rs485327	11	125427135	G	0.00822
rs3862628	11	125748122	T	0.00725
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rs10790817	11	126013331	G	0.00318
rs11220583	11	126065829	G	0.01442
rs4937214	11	126255140	G	0.01400
rs1939988	11	126256273	C	0.01111
rs2618215	11	126724446	A	0.00037
rs1406330	11	126845830	T	0.00669
rs749513	11	126861194	C	0.00499
rs11221067	11	127198904	T	0.00496
rs11221267	11	127750541	A	0.01491
rs670163	11	128159454	T	0.00009
rs681296	11	128191473	C	0.00109
rs588957	11	128206751	A	0.00421
rs588472	11	128206861	A	0.00650
rs17137982	11	128227400	C	0.01305
rs2855798	11	128238171	T	0.01352
rs11221496	11	128264481	T	0.00184
rs2604228	11	128320532	T	0.00387
rs2954145	11	128917936	G	0.00974
rs547041	11	129078086	A	0.01539
rs691766	11	129099080	T	0.01379
rs504990	11	129099231	G	0.01267
rs10894126	11	129118377	C	6.36000
rs691570	11	129118397	T	0.01581
rs2288403	11	129243199	C	0.00357
rs530351	11	129579400	A	0.00886
rs10894216	11	129938943	G	0.01299
rs11222341	11	130210863	A	0.00855
rs1655490	11	130414235	A	0.00651
rs1793220	11	130414497	G	0.01606
rs7358316	11	130965110	G	0.01621
rs789520	11	131042553	T	0.00199
rs516721	11	131240209	A	0.00726
rs11222838	11	131292792	C	0.01649
rs11222869	11	131406958	G	0.00147
rs7111704	11	131769843	C	0.01383
rs490435	11	131892044	T	0.00964
rs554547	11	131894436	G	0.01239
rs10894589	11	131998236	A	0.00622
rs10894592	11	132004415	A	0.01003
rs9633971	11	132007648	G	0.01329

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rs11223337	11	132418054	C	0.01242
rs1630675	11	132601535	G	0.00469
rs7932578	11	132795774	C	0.00111
rs7114322	11	132851145	G	0.00417
rs1595895	11	133674016	G	0.01527
rs10750560	11	133723197	C	0.01136
rs1892988	11	134123463	G	0.00244
rs4569023	11	134130098	A	0.01429
rs4936257	11	134269918	C	0.01193
rs1824832	11	134313007	G	0.00050
rs4540845	11	134435899	A	0.01057
rs478520	12	165786	T	0.01320
rs515639	12	221584	T	0.00871
rs523169	12	228276	T	0.00849
rs11064294	12	675712	T	0.00689
rs7972667	12	734094	A	0.00081
rs11830412	12	1076722	C	0.00163
rs2286385	12	1760850	C	0.00847
rs10735004	12	1817454	T	0.01463
rs11062066	12	1991557	C	0.00660
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rs10744613	12	3425082	C	0.00653
rs6489469	12	3426611	G	0.01236
rs917602	12	3549984	A	0.01546
rs16930743	12	3718933	T	0.00850
rs16930761	12	3721838	G	0.00343
rs11062799	12	3737524	G	0.01441
rs10505726	12	3848219	T	0.00623
rs10774182	12	3874725	A	0.00441
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rs7138216	12	4204569	C	0.01611
rs11063112	12	4348341	A	0.01012
rs7961477	12	4441250	A	0.01141
rs11063199	12	4462115	C	0.00148
rs11063348	12	4797738	A	0.01662
rs17775527	12	4860176	G	0.00739
rs4766314	12	4924884	T	0.01191
rs1558279	12	4974367	G	0.00784
rs11063582	12	5239854	A	0.01645
rs2240894	12	5258297	T	0.00834
rs17722632	12	5442242	A	0.00345

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rs3210140	12	7546404	G	0.00469
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rs7957038	12	9039514	A	0.00621
rs2114851	12	9198262	A	0.00066
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rs16922916	12	10707846	C	0.00012
rs7968284	12	10709127	T	0.00396
rs7315801	12	10785259	T	0.01407
rs4237931	12	11298212	G	0.00175
rs16933735	12	11533299	A	0.01337
rs2724588	12	11754082	C	0.00344
rs17818498	12	11764555	A	0.00971
rs12369491	12	11781775	A	11.99200
rs12828066	12	11783232	A	0.00720
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rs12581531	12	12547725	G	0.00841
rs4762307	12	12884433	A	0.01634
rs6488576	12	13067577	G	0.01222
rs7978453	12	13070902	G	0.00956
rs1552389	12	13091145	A	0.00723
rs7294646	12	13093286	G	0.00586
rs17820032	12	13139424	A	0.00796
rs4583067	12	13170986	A	0.00291
rs1805544	12	13679101	G	0.01502
rs4140764	12	13843489	G	0.00917
rs11056264	12	15017270	C	0.01123
rs6488806	12	16015699	G	0.00937
rs3782545	12	16016060	A	0.01366
rs1868805	12	16027219	C	0.01432
rs10846420	12	16802898	G	0.00193

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rs2178109	12	17391620	G	0.00095
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rs12303068	12	18992028	T	0.01617
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rs7970503	12	20247248	G	0.01452
rs7976912	12	20262861	T	0.00889
rs10841486	12	20363469	G	0.01265
rs10505872	12	21363521	C	0.00083
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rs7954395	12	21619527	C	0.00049
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rs260887	12	22822130	T	0.01347
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rs16926425	12	23632891	A	0.00158
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rs7136898	12	23945839	G	0.00506
rs12581677	12	23951999	G	0.00641
rs10842249	12	24010223	T	0.00230
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rs11048402	12	26119148	G	0.00802
rs7300697	12	26208437	G	0.01442
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rs1463590	12	26685022	G	0.00757
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rs7294486	12	28226189	C	0.01441
rs10506031	12	28423261	C	0.00795
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rs309043	12	28825379	C	0.00092
rs309046	12	28840623	A	0.00404
rs1480636	12	28876460	G	0.01498
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rs789123	12	28877817	C	0.00639
rs1021312	12	28922763	C	0.01150
rs4931135	12	29081528	T	0.00296
rs10771478	12	29119551	T	0.00072
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rs2216858	12	29552643	C	0.01486
rs7294502	12	29627037	A	0.00443
rs16934692	12	29702738	A	9.65500
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rs7979416	12	30446335	C	0.01415
rs10771719	12	30481442	C	0.00115
rs11050908	12	30499254	C	0.00261
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rs11114162	12	78455616	T	0.00190
rs1463228	12	78828941	C	0.00018
rs1451098	12	79247890	G	0.00737
rs896202	12	79281780	T	0.01139
rs2717473	12	79330649	A	0.00049
rs7309612	12	79471213	G	0.00030
rs7132043	12	79492531	G	10.78600
rs1178704	12	79555186	T	0.00977
rs11114653	12	79834900	T	0.00695
rs12301355	12	80017957	A	0.01498
rs12296937	12	80018383	C	0.01093
rs1921045	12	80239063	C	0.00347
rs10506856	12	80912999	A	0.01285
rs11115179	12	80991051	T	0.00920
rs4143188	12	81326916	A	0.01447
rs11115373	12	81657221	C	0.00280
rs10862511	12	81725727	A	0.00457
rs7304237	12	81766456	C	0.00520
rs11115584	12	82016576	G	0.00160
rs2056218	12	82056671	G	0.01293
rs7137313	12	82113049	C	0.01056
rs1517815	12	82115436	C	0.01564
rs4482098	12	82140528	A	0.01543
rs7484818	12	82219067	G	0.01144
rs11115730	12	82241901	A	0.01233
rs7959848	12	82270137	A	0.01226
rs11837529	12	82573928	C	0.00126
rs10779022	12	82594624	C	0.00424
rs2128350	12	83004453	T	0.00770
rs2929815	12	83124941	T	0.00440
rs12581616	12	83175715	A	0.00470
rs12320923	12	83179322	A	0.00520
rs17011775	12	83180847	T	0.01000
rs7135755	12	83181327	T	0.00546
rs4491329	12	83181851	T	0.01027
rs11116280	12	83183659	G	0.00550
rs12313738	12	83184837	C	0.01520
rs7973519	12	83208883	A	0.00786
rs10506911	12	83995528	C	0.00075
rs7486001	12	84191889	C	0.00419
rs10746342	12	84278771	A	0.01147
rs1398440	12	84314940	C	0.01310
rs1398442	12	84334038	T	0.01412
rs7484736	12	84457457	A	0.00158

rs7975477	12	85651980	A	0.00063
rs17014284	12	85805587	T	0.00902
rs1368563	12	86028234	A	0.00183
rs4303306	12	86764038	G	0.00249
rs10777085	12	86909836	C	0.01325
rs11104708	12	86913935	C	0.00792
rs17364616	12	88354318	G	0.01254
rs10745509	12	88604351	C	0.00957
rs704110	12	89317091	A	0.01337
rs17193641	12	90294961	C	0.00885
rs11106228	12	90561550	A	0.01643
rs4760385	12	91189657	C	0.00165
rs7978809	12	91385221	C	0.00352
rs11614500	12	91544383	C	0.00966
rs41464449	12	91545805	T	0.00758
rs17730847	12	91548717	C	0.01495
rs10777420	12	91551302	T	0.01178
rs2120575	12	91609585	G	0.01548
rs7972216	12	91649196	G	0.00755
rs7958821	12	91658207	G	0.00359
rs10859378	12	91663365	A	0.00364
rs11106763	12	91872651	G	0.00415
rs11106988	12	92258581	C	0.00209
rs10777556	12	92836222	T	0.00317
rs7135433	12	92872354	T	0.01248
rs4761756	12	92873911	C	0.01067
rs4761625	12	93456977	C	0.01201
rs2651985	12	93559305	G	0.01569
rs2651982	12	93570929	G	0.01167
rs6538534	12	93678633	C	0.01537
rs7972350	12	93684736	T	0.01336
rs4761664	12	93702211	C	0.00790
rs10777641	12	93777015	A	0.00718
rs7307510	12	94761701	G	0.01321
rs2117914	12	94790166	G	0.00982
rs4762652	12	94875228	G	0.00383
rs2043608	12	94878586	G	0.00474
rs7961807	12	94880938	T	0.01529
rs4762293	12	95179367	G	0.00153
rs7972539	12	95345700	A	0.00582
rs41322846	12	95428236	G	0.01070
rs10431437	12	95602230	G	0.00148
rs34493	12	95787104	G	0.00656
rs10860188	12	96253413	A	0.01637

rs34537	12	96582908	G	0.00068
rs34540	12	96584094	G	0.00005
rs4609647	12	97611741	G	0.00161
rs7313721	12	98005215	A	0.01567
rs7960388	12	99701729	C	0.00431
rs1514797	12	99705093	G	0.00427
rs11110677	12	100060692	T	0.00399
rs11110932	12	100574306	G	0.01047
rs11110939	12	100578274	G	0.00897
rs11110994	12	100667339	G	0.00662
rs2036771	12	101041934	A	0.01528
rs11111272	12	101351571	C	0.00023
rs4764698	12	101384190	C	0.00980
rs2100635	12	101515117	G	0.00143
rs7977073	12	101515601	A	0.01367
rs937471	12	101607332	G	0.01270
rs1357768	12	101691183	A	0.00723
rs1603818	12	101913368	C	0.00108
rs11111535	12	102258345	C	0.00893
rs17034112	12	102497741	G	0.00446
rs703623	12	102559085	C	0.00385
rs1863878	12	102589976	T	0.01295
rs11614418	12	102591942	T	0.00051
rs10861081	12	102642509	T	0.00278
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rs4135081	12	102893176	C	0.00243
rs7971994	12	102964551	C	0.00512
rs7132831	12	102972036	C	0.00748
rs7973993	12	103396502	T	0.00014
rs7963874	12	103406134	A	0.01396
rs703664	12	103591660	A	0.00941
rs11112159	12	103594006	C	0.00731
rs10861342	12	103982927	T	0.00084
rs2374561	12	104841395	G	0.00462
rs12300729	12	105419382	G	0.01316
rs3741892	12	105911293	G	0.00089
rs2178492	12	106093855	C	0.00013
rs1861693	12	106127287	A	0.00034
rs11113221	12	106149778	T	0.01424
rs11113224	12	106150988	C	0.00455
rs1861691	12	106201676	C	0.00699
rs11113283	12	106279191	T	0.00296
rs1426463	12	106310763	G	0.01274
rs1426462	12	106311013	A	0.01154

rs7969301	12	106466117	A	0.01166
rs1420742	12	106541819	G	0.00558
rs4258462	12	106657818	C	0.00348
rs10861779	12	106684894	A	0.01254
rs1895941	12	106857124	T	0.00214
rs12316047	12	106917975	T	0.01547
rs881512	12	106970207	G	0.01108
rs12321936	12	107250676	T	0.01170
rs11113845	12	107302428	G	0.01512
rs16939985	12	108070069	T	0.00342
rs2284685	12	108171165	G	0.00721
rs2287192	12	108415977	C	0.00784
rs634389	12	110649098	C	0.00297
rs12814443	12	112401668	A	0.00847
rs11613697	12	112487688	G	0.00329
rs4766691	12	112526589	C	0.01111
rs4767142	12	112763094	A	0.00267
rs7138196	12	112790428	G	0.00902
rs10850232	12	112791494	C	0.00720
rs2279051	12	112840357	T	0.00987
rs11066834	12	112860872	A	0.00569
rs9668746	12	112871319	G	0.00850
rs11066850	12	112875893	G	0.00791
rs11066946	12	113036063	T	0.01372
rs11066947	12	113037816	T	0.01478
rs1560002	12	113040821	A	0.00662
rs10082740	12	113071155	A	0.00531
rs16943814	12	113125101	C	0.00073
rs11067096	12	113307102	G	0.00451
rs11611055	12	113925172	C	0.01652
rs1566309	12	114301524	T	0.01163
rs10850521	12	114416902	T	0.00253
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rs697863	12	114735619	G	0.00028
rs802138	12	114751157	A	0.00770
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rs16946620	12	115300622	C	0.00600
rs11068096	12	115513943	A	0.01468
rs816358	12	116181691	G	0.00173
rs12307921	12	116296177	A	0.01166
rs4766859	12	116463586	C	0.01179

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rs1402341	12	117515417	A	0.00339
rs10851005	12	117556888	G	0.00605
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rs7955747	12	120409487	T	0.00592
rs11043196	12	120697042	A	0.00593
rs11058797	12	121628547	T	0.01428
rs11059100	12	121690655	T	0.01235
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rs6488920	12	123202540	G	0.01602
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rs9669274	12	123814338	C	0.00262
rs12831105	12	123908873	G	0.01260
rs323846	12	124445806	C	0.00754
rs325095	12	124451257	C	0.01623
rs10492037	12	124846692	G	0.00221
rs7132603	12	124918806	G	0.01482
rs10847004	12	124918954	C	0.00957
rs10847028	12	125042245	A	0.01088
rs7298854	12	125553390	C	0.00862
rs10847208	12	125795459	G	0.01355
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rs4765122	12	125889975	A	0.00979
rs2662801	12	126219867	T	0.00482
rs1509050	12	126277369	G	0.01073
rs971599	12	126544661	G	0.01311
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rs10773567	12	127731277	G	0.01158
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rs10847726	12	128022627	C	0.01332
rs4964848	12	128198132	G	0.00525
rs2172327	12	128672611	T	0.01132
rs11060565	12	128857653	C	0.01212
rs825879	12	128991903	A	0.00868
rs904633	12	129171853	G	0.00801
rs1472513	12	129296225	A	0.00054
rs10848074	12	129352663	T	0.01628
rs4759462	12	129476345	G	18.20900
rs12822943	12	129574692	C	0.01272
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rs12314913	12	130078766	T	0.01220
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rs10794422	12	130748513	T	0.00762
rs10751695	12	130857014	C	0.00039
rs11831679	12	131175913	T	0.00857
rs10781653	12	131893996	A	0.00450
rs2880848	13	18212519	C	0.00484
rs7319991	13	18598922	A	0.00294
rs12870953	13	18737674	T	0.01312
rs3002099	13	18999964	T	0.00738
rs9579762	13	19482060	A	0.00033
rs1543536	13	19506560	T	0.00156
rs17080889	13	19837136	T	0.00511
rs7319026	13	20125440	G	0.00091
rs9579975	13	20393509	G	0.00138
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rs9552323	13	20473298	A	0.00341
rs754509	13	20588867	G	0.01146
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rs7328675	13	20976174	C	0.00179
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rs1122257	13	21199079	C	0.00780
rs9285177	13	21211165	T	0.00391
rs7323292	13	21212101	C	0.00594
rs3117948	13	21423846	A	0.01297
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rs12716699	13	21677237	C	0.00552
rs17076477	13	21741308	C	0.00739
rs10870911	13	21767266	G	0.00178
rs914069	13	22365854	G	0.00221
rs9317422	13	22512071	A	0.00161
rs872273	13	22573103	G	0.00346
rs12866761	13	22965227	A	0.00341
rs7321879	13	23377497	G	0.01302
rs2810696	13	23460950	G	0.00739
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rs7317204	13	23603705	G	0.00786
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rs1807111	13	23943158	C	0.00996
rs17384669	13	23948923	G	0.00091
rs943048	13	24078246	T	0.01582
rs7986361	13	24160942	G	0.00330
rs9318740	13	24189876	G	0.00639
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rs9507470	13	24611522	T	0.00996
rs12853449	13	25025890	C	0.01003
rs9581395	13	25040342	G	0.00117
rs7986574	13	25045098	G	0.00607
rs9511934	13	25309084	T	0.00057
rs9511940	13	25322692	T	0.00335
rs1048789	13	25492700	C	0.01399
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rs7328925	13	25964253	G	0.01459
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rs3897233	13	26440276	G	0.00056
rs12867751	13	27270798	C	0.00988
rs2388084	13	28945005	A	0.00737
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rs590377	13	29084744	T	0.00679
rs719199	13	29287252	G	0.00996
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rs17504553	13	29566989	G	0.01069
rs9508647	13	29606574	A	0.01637
rs1754937	13	29831368	T	0.01107
rs17238738	13	30216068	C	0.00051
rs4147064	13	30218118	A	0.00297

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rs4943533	13	31011532	G	0.00632
rs4943664	13	31182311	C	0.00701
rs623441	13	31340015	A	0.01070
rs622702	13	31340347	C	0.00809
rs367507	13	31414037	C	0.01418
rs2285330	13	31619615	C	0.00162
rs798978	13	31638925	T	0.01161
rs9315157	13	31642352	G	0.00172
rs2428249	13	31674603	A	0.00603
rs798987	13	31685876	T	0.01029
rs4941701	13	32383476	A	0.00146
rs10492401	13	32387672	T	0.00820
rs389891	13	32458034	C	0.01205
rs9527024	13	32525693	A	0.00536
rs9569021	13	32675206	T	0.00342
rs3135611	13	33304194	G	0.00612
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rs6562337	13	33637974	G	0.00676
rs11839186	13	33691545	A	0.00885
rs9571278	13	33715579	A	0.00329
rs11147546	13	33754295	A	0.00002
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rs1998660	13	34023387	G	0.00948
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rs7338934	13	37712629	C	0.01255
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rs4942014	13	40438502	T	0.01555
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rs17597366	13	42190681	G	0.00369
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rs9525835	13	43216673	T	0.00432
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rs2282062	13	43704729	A	0.01478
rs4942352	13	44202415	A	0.00120
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rs2296347	13	51626424	C	0.00759
rs7987314	13	52383154	C	0.01187
rs2208989	13	52425974	C	0.00066
rs4886137	13	52525355	C	0.00938
rs9568927	13	53261422	T	0.01057
rs1458277	13	53415541	T	0.01460
rs2408987	13	53557313	C	0.00871
rs7995015	13	53726962	C	0.00765
rs1413878	13	53726985	C	0.00682
rs7139767	13	53800590	T	0.01326
rs3125742	13	54629926	G	0.00065
rs1370079	13	54710942	C	0.00513
rs1436703	13	54730139	T	0.01420
rs7989059	13	54763118	T	0.00022
rs681846	13	55117315	A	0.00323
rs2315031	13	56012278	C	0.00588
rs9537493	13	56333987	A	0.01013
rs2152734	13	56453118	C	0.00462
rs2777625	13	56534058	C	0.00685
rs1412160	13	56727320	A	0.00243
rs1936761	13	56810406	T	0.00512
rs2186032	13	56848099	A	0.00829
rs4886014	13	56850408	A	0.01040
rs7339239	13	56861712	G	0.01115
rs9569702	13	56996265	T	0.00618
rs3012861	13	57584799	T	0.00069
rs1538856	13	58489593	C	0.01027
rs4886128	13	58670787	T	0.00757

rs7329285	13	58810787	C	0.01016
rs9563740	13	59038977	C	0.00814
rs11148489	13	59674961	C	0.01330
rs1341844	13	59700127	C	0.00388
rs9570276	13	59706318	T	0.00566
rs7317551	13	59853048	G	0.00251
rs8001190	13	60323660	A	0.00557
rs301669	13	60334598	G	0.01119
rs9570427	13	60514632	C	0.00302
rs2323533	13	61260157	T	0.01206
rs17060411	13	61321688	T	0.00870
rs17061254	13	61815159	A	0.01046
rs309433	13	61850417	T	0.00231
rs7317597	13	62303084	C	0.00597
rs4275737	13	62835135	G	0.00794
rs17287629	13	63092156	T	0.00816
rs7322446	13	63756181	G	0.00381
rs1340332	13	63777356	T	0.00088
rs7985144	13	63865034	G	0.00075
rs7986651	13	64130590	G	0.00277
rs7337745	13	64202016	A	0.01249
rs2217513	13	64762990	C	0.00280
rs957460	13	65319445	T	0.00771
rs4883761	13	65339681	C	0.01654
rs9529012	13	65555418	G	0.01405
rs1407581	13	65673401	T	0.00434
rs1322735	13	65689725	C	0.01478
rs4884662	13	65721667	A	0.01536
rs10459387	13	65755652	G	0.00790
rs9540813	13	66024427	A	0.01252
rs9540846	13	66110941	A	0.00120
rs9529190	13	66592694	G	0.00991
rs1889346	13	66754224	G	0.00272
rs9541173	13	67078117	A	0.00142
rs17083015	13	67439378	T	0.01598
rs1416138	13	67503046	C	0.00714
rs9541269	13	67508340	T	0.00664
rs1241444	13	67807440	C	0.00252
rs9317713	13	68110635	C	0.01114
rs6650421	13	68561329	C	0.00236
rs17086052	13	69450469	T	0.01022
rs1441543	13	69499865	A	0.00629
rs9599610	13	69780707	A	0.01631
rs9599611	13	69780842	C	0.01657

rs9599636	13	69823439	G	0.00216
rs12859922	13	69849063	G	0.01319
rs12858938	13	69849087	C	0.01154
rs2151491	13	69862904	A	0.00045
rs868350	13	70016980	T	0.01396
rs7998428	13	70666733	A	0.01530
rs4883888	13	70678112	A	0.01385
rs11843100	13	70892546	G	0.01405
rs9542745	13	71220849	T	0.00286
rs9542806	13	71481059	A	0.00420
rs9542808	13	71486210	C	0.00655
rs1460446	13	71505941	C	0.01149
rs2706411	13	71517526	C	0.00847
rs1022958	13	71559437	C	0.00462
rs1326683	13	71570155	C	0.00653
rs9529959	13	71571034	C	0.01247
rs17791199	13	71574322	A	0.00505
rs339785	13	71677638	A	0.00940
rs568474	13	71822612	C	0.00830
rs9599954	13	71823339	G	0.01286
rs11839068	13	72014214	G	0.00716
rs17089541	13	72041010	G	0.00582
rs2031838	13	73137495	T	0.01224
rs9573276	13	73147828	C	0.00360
rs9530237	13	73243361	C	0.01329
rs9565072	13	73537800	A	0.00824
rs9593015	13	74128389	G	0.00775
rs869877	13	74180466	T	0.00756
rs1028794	13	74878742	T	0.00080
rs9593130	13	75290401	T	0.00959
rs9530473	13	75319632	C	0.00809
rs9530500	13	75461916	C	0.00458
rs9600681	13	75700405	T	0.00918
rs17685818	13	75780906	G	0.00976
rs7987244	13	75802387	C	0.00896
rs9600699	13	75857025	G	0.01238
rs2782991	13	75960658	G	0.00609
rs283975	13	75974819	T	0.00718
rs7328848	13	76261770	C	0.01348
rs618975	13	76364236	T	0.00845
rs9574037	13	76828377	T	0.00136
rs10507874	13	77290759	G	0.00085
rs2585483	13	77546024	T	0.00617
rs17070021	13	78046684	T	0.00016

rs17070292	13	78259122	C	0.00578
rs9544892	13	78315763	G	0.00420
rs1372177	13	78469870	C	0.00486
rs3910574	13	79496358	T	0.00001
rs9545302	13	79500112	A	0.00250
rs9545411	13	79824658	C	0.00084
rs6650455	13	79857101	T	0.01191
rs1772580	13	80084744	T	0.00741
rs4379965	13	80391966	C	0.01294
rs4312196	13	80392312	T	0.00939
rs2478216	13	80394914	C	0.00435
rs1333420	13	80654428	C	0.01359
rs9545673	13	80891072	T	0.00252
rs261446	13	81198982	T	0.00979
rs1386707	13	82358590	A	0.00201
rs1906327	13	82455235	C	0.01508
rs9546594	13	83553225	A	0.01558
rs4303371	13	83699592	G	0.00854
rs9602431	13	83759840	T	0.00464
rs9531642	13	84149640	T	0.00701
rs9575699	13	84446595	A	0.01301
rs12866503	13	84765153	A	0.00250
rs17354288	13	84788717	G	0.01151
rs9547249	13	84991717	G	0.01400
rs9520260	13	87780609	C	0.01451
rs10507973	13	88037911	G	0.00319
rs4483720	13	88039407	C	0.01078
rs4773046	13	88057930	A	0.01143
rs1536355	13	88067963	A	0.00412
rs1326426	13	88073196	A	0.00902
rs9521628	13	88099356	C	0.00766
rs9521690	13	88114373	G	0.01513
rs41478745	13	88382923	G	0.00988
rs11069912	13	88471180	T	0.00951
rs9522430	13	88534365	T	0.00133
rs9588713	13	89119923	G	0.01133
rs2153718	13	89370256	A	0.00517
rs2805665	13	89491459	A	0.01050
rs12867513	13	89727003	C	0.01177
rs9560600	13	89727127	G	0.01318
rs9515763	13	89960370	C	0.00193
rs16945688	13	90716800	T	0.00109
rs1330469	13	91346842	C	0.00148
rs9301773	13	91494163	G	0.00998

rs7993910	13	91557014	C	0.01485
rs9560983	13	91674934	A	0.01116
rs9561026	13	91823052	T	0.00417
rs2209834	13	91865069	C	0.00565
rs696931	13	92516009	A	0.01587
rs1838355	13	92521689	A	0.00798
rs1444231	13	92525871	C	0.01026
rs1887708	13	92686244	A	0.01583
rs9524070	13	92898105	A	0.01250
rs1562190	13	93020321	C	0.00102
rs6492702	13	93841787	C	0.01664
rs7337871	13	94144182	G	0.00025
rs17196506	13	94317286	C	0.00574
rs16950278	13	94331307	C	0.01639
rs9590101	13	94341946	G	0.00499
rs9590106	13	94349071	A	0.00489
rs9590108	13	94349285	G	0.01601
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rs2182263	13	94350426	A	0.01397
rs9302014	13	94351657	A	0.00120
rs9561719	13	94357429	G	0.01394
rs1925857	13	94385074	C	0.01002
rs9524711	13	94410370	T	0.01457
rs7995795	13	95020532	G	0.00561
rs9561965	13	95297574	G	0.01181
rs7990583	13	95863471	T	0.00313
rs16953447	13	95929422	C	0.00841
rs16953634	13	96332224	C	0.01034
rs9513199	13	96443969	G	0.00730
rs9516802	13	96455117	G	0.00794
rs4456365	13	96616515	T	0.00482
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rs6491350	13	96805016	C	0.00431
rs16954076	13	96852593	T	0.00857
rs7339318	13	97250777	G	0.00155
rs7326592	13	97511170	T	0.01572
rs12875913	13	97569539	G	0.00183
rs9554468	13	97880603	C	0.00327
rs9556972	13	98007816	T	0.00122
rs4578508	13	98096707	A	0.01260
rs2184903	13	98096810	G	0.00345
rs9554486	13	98103632	G	0.01165
rs4412849	13	98113794	A	0.00776
rs9557025	13	98120753	A	0.00933

rs3782999	13	98168486	C	0.01321
rs2296999	13	98348352	A	0.00467
rs2182885	13	98653125	A	0.00084
rs4772214	13	98953078	G	0.00246
rs9557247	13	98967826	T	0.01242
rs9585118	13	98988505	C	0.00083
rs9585127	13	99003333	T	0.00583
rs9554617	13	99065193	T	0.00680
rs7991210	13	99549906	A	0.00404
rs4772342	13	100370899	A	0.00538
rs1886853	13	100428464	C	0.00558
rs12583815	13	100438101	G	0.00125
rs2765320	13	100465089	C	0.00052
rs659272	13	100501882	T	0.00999
rs16959621	13	101470203	T	0.00011
rs537642	13	101603591	A	0.01403
rs1360985	13	101721943	A	9.75800
rs1415057	13	101724665	G	0.00650
rs1336664	13	101752488	T	0.00193
rs17506875	13	102045515	T	0.00889
rs701559	13	102413583	G	0.01139
rs7322528	13	102430390	C	0.00015
rs7327964	13	102784286	T	0.01087
rs1571628	13	102888167	C	0.00772
rs9300855	13	103152012	C	0.01307
rs9558198	13	103334252	G	0.00074
rs16963727	13	103347771	C	0.00319
rs2806805	13	103370723	T	0.01542
rs16964387	13	103679979	G	0.01134
rs7322187	13	103914442	C	0.00374
rs9586517	13	103914702	A	0.01201
rs9514269	13	103921100	A	0.01577
rs9300934	13	103933101	T	0.00550
rs9582875	13	103938575	T	0.01544
rs9519381	13	104019769	A	0.00161
rs930268	13	104050671	A	0.00376
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rs7139453	13	104515664	A	0.01184
rs7316970	13	104515799	C	0.01468
rs3916959	13	104640379	C	0.00908
rs11618600	13	104954122	G	0.00597
rs1981272	13	104968003	T	0.01012
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rs9519746	13	105159963	C	0.00208

rs10508164	13	105200821	A	0.00223
rs2476760	13	105288687	T	0.01212
rs2476761	13	105311957	C	0.00105
rs7318970	13	105371531	T	0.00116
rs17519864	13	105490805	A	0.00601
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rs2391610	13	107468407	G	0.01558
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rs16972960	13	108157692	T	0.01304
rs7997299	13	108624329	A	0.00245
rs7490337	13	108850730	A	0.01659
rs7997265	13	109091458	G	0.01174
rs12865636	13	109097925	A	0.00980
rs1029204	13	109479213	T	0.01213
rs11069820	13	109512669	T	0.01201
rs1886871	13	110001418	G	0.00279
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rs7323834	13	110252125	A	0.00164
rs7319972	13	110254929	A	0.01186
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rs7317887	13	110455200	C	0.01529
rs8000668	13	110466673	C	0.00243
rs9559946	13	110498107	A	0.01663
rs12860209	13	110823973	A	0.01522
rs9560136	13	111062615	A	0.01387
rs2318060	13	111586106	G	0.00166
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rs7324712	13	112080916	C	0.01068
rs10816	13	112101471	A	0.00404
rs9550070	13	112101811	G	0.00579
rs4907533	13	112199342	C	0.01345
rs9577814	13	112273716	C	0.00188
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rs4150729	13	113313306	G	0.01034
rs9590464	13	113941987	G	0.01440
rs7983955	13	113968129	T	0.00394

rs1780870	14	19362325	G	0.01269
rs10130102	14	19362693	T	0.00728
rs7156327	14	19648010	G	0.01195
rs1188561	14	19725306	A	0.01585
rs1760955	14	19957802	C	0.00244
rs12436843	14	19961438	T	0.00672
rs8004317	14	20249121	G	0.01069
rs11156644	14	20271429	A	0.00997
rs11848221	14	20299145	G	0.00950
rs10483253	14	21171249	G	0.01050
rs17255021	14	21369821	C	0.00292
rs932230	14	21536574	T	0.00812
rs932231	14	21536724	G	0.00833
rs11625840	14	21697688	A	0.00833
rs9323108	14	21723598	C	0.00410
rs4981415	14	21784072	G	0.00527
rs11157474	14	21784363	G	0.01616
rs17115728	14	21785191	G	0.01335
rs10142543	14	21933450	G	0.00870
rs5742875	14	22103383	C	0.01100
rs1753429	14	22172624	G	0.00307
rs4982676	14	22347843	A	0.01389
rs7157021	14	22668792	C	0.00416
rs3729829	14	22955727	T	0.01374
rs17093091	14	23024732	T	0.00080
rs854431	14	24300984	T	0.01423
rs854379	14	24339998	T	0.00795
rs2480354	14	24406061	T	0.00587
rs17109366	14	24498867	C	0.00488
rs17109462	14	24536305	A	0.00316
rs10151968	14	24538105	A	0.00082
rs17257822	14	24615166	T	0.00795
rs11159287	14	24960206	G	0.00413
rs4140868	14	25669332	C	0.01242
rs12888264	14	25846016	A	0.00710
rs11627156	14	26195356	C	0.01118
rs17112954	14	27184481	A	0.00322
rs17113090	14	27269306	A	0.00700
rs2180890	14	27943078	C	0.00784
rs1955440	14	28338910	G	0.01329
rs17114622	14	28747626	T	0.00761
rs4981696	14	28781556	T	0.00293
rs12893007	14	28969436	A	0.00029
rs1191566	14	29039352	T	0.00134

rs17096419	14	29748277	C	0.01484
rs11629275	14	29749441	G	0.00640
rs7148020	14	29834938	G	0.01144
rs10144249	14	29993122	G	0.00652
rs4981770	14	30265856	C	0.01565
rs9322887	14	31560104	A	0.00860
rs4982063	14	32794582	C	0.01169
rs11851892	14	32921165	A	0.00089
rs1609496	14	32931905	T	0.00093
rs17101083	14	32965666	T	0.01095
rs10498318	14	33249118	C	0.01446
rs8017055	14	33312734	T	0.01128
rs12895061	14	33316845	A	0.01575
rs11628377	14	33321966	A	0.00112
rs4146554	14	33353940	C	0.00702
rs10132973	14	33594964	T	0.00305
rs1652947	14	33664812	A	0.01336
rs2210068	14	33808322	G	0.00992
rs7151133	14	34039157	T	0.00703
rs4981250	14	34324224	C	12.88600
rs2273158	14	34535535	A	0.01267
rs3138053	14	34944605	A	0.00665
rs6571727	14	35210859	A	0.00210
rs9944080	14	35496774	A	0.00078
rs376927	14	35617682	A	0.00642
rs11622332	14	36159780	G	0.00181
rs1955753	14	36189652	G	0.00930
rs6571755	14	36190727	T	0.00407
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rs11156974	14	37427615	G	0.00646
rs2415456	14	37714254	C	0.01562
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rs2899868	14	37715734	G	0.00194
rs10147944	14	37717436	A	0.00017
rs7145965	14	37874184	T	0.00699
rs11157003	14	38013117	A	0.00179
rs4400953	14	38307865	T	0.00065
rs17108552	14	38447512	T	0.00034
rs8014887	14	38604340	A	0.00376
rs4902622	14	38958523	C	0.00761
rs2057137	14	39013292	T	0.01630
rs17769386	14	39309123	C	0.00503
rs10134529	14	39478291	G	0.01480

rs11623348	14	39693349	T	0.00366
rs1569790	14	39885471	T	0.00527
rs4903754	14	39935520	C	0.00282
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rs7156053	14	39998166	T	0.01311
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rs12889656	14	40566277	A	0.00260
rs4304945	14	41290670	A	0.00012
rs2031271	14	41414572	C	0.00975
rs17181811	14	41443589	G	0.00800
rs1684689	14	41514751	G	0.01239
rs1763302	14	41598712	G	0.01540
rs17113572	14	42397240	T	0.01605
rs17113932	14	42681506	G	0.01258
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rs17114079	14	42827908	T	0.01427
rs2029727	14	42896754	C	0.00649
rs1952381	14	43427391	A	0.01455
rs7153093	14	43604910	T	0.00279
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rs12148021	14	45457913	C	0.00825
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rs1951317	14	45521429	T	0.01189
rs11849729	14	45564779	A	0.01584
rs9805956	14	45565893	A	0.00517
rs1957190	14	45567885	A	0.00174
rs4491418	14	45575579	G	0.01175
rs1957187	14	45580798	A	0.00629
rs17574942	14	46802994	A	0.00125
rs10467790	14	46979994	G	0.00490
rs1879518	14	47492093	C	0.00463
rs1769526	14	47842679	T	0.00588
rs6572520	14	48369944	A	0.00164
rs7493522	14	48874931	T	0.01061
rs17698128	14	48899235	G	0.00248
rs12590483	14	48985385	G	0.00965
rs10483556	14	49029992	A	0.01275
rs8009047	14	49038646	A	0.01647
rs7145941	14	49056851	T	0.01376
rs3100876	14	49442927	G	0.00743
rs7155791	14	49487980	T	0.00649
rs3825575	14	49536269	T	0.01306
rs7146139	14	50320907	C	0.00789

rs1959527	14	50442083	G	0.00294
rs10483607	14	50533072	C	0.00995
rs12147302	14	51330913	T	0.00125
rs4901265	14	51806327	G	0.00264
rs4898758	14	51806518	G	0.01261
rs34246750	14	51938507	C	0.00288
rs11157928	14	52220940	T	0.01000
rs9989200	14	52542080	A	0.01543
rs1255320	14	52886261	A	0.00178
rs1255281	14	52898072	G	0.00036
rs11157980	14	53380347	T	0.00715
rs6572927	14	53503140	T	0.00360
rs7159423	14	54150084	C	0.01141
rs8018800	14	54523056	T	0.00068
rs8019080	14	54961125	T	0.01504
rs11851435	14	54991314	G	0.00902
rs10483647	14	55173635	G	0.01411
rs12323476	14	55242475	T	0.00239
rs17090962	14	55624732	A	0.01033
rs17090964	14	55624828	C	0.00436
rs7153608	14	55634972	G	0.01341
rs8009841	14	55801045	C	0.01071
rs17769866	14	55859466	C	0.01422
rs4553529	14	56098231	C	0.00427
rs12436338	14	56200540	A	0.00105
rs12435979	14	56307190	C	0.01596
rs12436671	14	56307786	A	0.01471
rs198228	14	56312173	T	0.00804
rs2104718	14	56395127	A	0.00916
rs709969	14	56461686	G	0.00632
rs8021033	14	57000298	A	0.01398
rs8021172	14	57000360	T	0.00316
rs1152522	14	57018133	C	0.00825
rs17795775	14	57068620	G	0.00674
rs4901827	14	57373556	T	0.01143
rs17093847	14	57429212	A	0.00984
rs17093849	14	57429606	T	0.01134
rs17094355	14	57643132	A	0.01167
rs710018	14	58233376	A	0.01533
rs177727	14	58447201	T	0.00114
rs10141742	14	58475842	C	0.01122
rs2882029	14	58494767	G	0.00403
rs1950682	14	58526297	T	0.00825
rs17095853	14	58740427	C	0.01505

rs17833810	14	58767499	A	0.00309
rs17095965	14	58794834	G	0.01485
rs17096006	14	58810870	C	0.00289
rs7155203	14	58817716	C	6.24600
rs8181987	14	58820238	C	0.01470
rs3850302	14	58927330	T	0.00563
rs17255787	14	59022654	G	0.01260
rs2182140	14	59219012	G	0.00707
rs12897336	14	59385633	G	0.01221
rs17310036	14	59394703	G	0.00688
rs10483722	14	59496656	G	0.00778
rs188620	14	59758931	C	0.00891
rs12323784	14	59818533	T	0.01208
rs10150234	14	60101037	G	0.00002
rs4899015	14	60195789	A	0.00419
rs1018457	14	60228623	G	0.01451
rs2882684	14	60486215	T	0.01375
rs912618	14	61003344	C	0.00661
rs12883769	14	61060614	A	0.00044
rs2105073	14	61100961	G	0.00709
rs798788	14	61108248	G	0.00061
rs8005664	14	61600389	G	0.00885
rs10147559	14	61658369	C	0.00047
rs2078082	14	61936786	G	0.00477
rs4902147	14	62063692	A	0.00631
rs8004475	14	62202285	T	0.00765
rs1950987	14	62569493	A	0.00848
rs7152965	14	62711170	T	0.00003
rs762102	14	62748675	C	0.00242
rs9323443	14	63478768	G	0.01073
rs1262235	14	63483936	G	0.01535
rs1255971	14	63604909	C	0.00497
rs17101651	14	63631077	G	0.01441
rs1109608	14	64300706	A	0.01206
rs17826231	14	64365352	C	0.00690
rs2898885	14	64491027	A	0.01323
rs4499147	14	64511314	A	0.01496
rs2268962	14	65217026	T	0.00294
rs7142317	14	65472901	C	0.00809
rs7145321	14	65507316	G	0.00365
rs1147441	14	65539347	G	0.01151
rs1838332	14	65587002	C	0.00039
rs8005105	14	65824990	A	0.00089
rs8020532	14	65956469	A	0.00100

rs8022328	14	66322788	A	0.00063
rs8006273	14	67066476	A	0.00445
rs9449	14	67283166	G	0.00013
rs11158693	14	67311014	G	0.00632
rs8018477	14	67902720	A	0.01391
rs1885014	14	67914548	G	0.01488
rs3784119	14	67944813	G	0.00255
rs1956534	14	67963825	G	0.00205
rs4902602	14	68111085	G	0.00584
rs8011558	14	68333094	C	0.01665
rs9323521	14	68622880	A	0.00455
rs2001355	14	68630946	G	0.00278
rs2105269	14	68816987	C	0.01321
rs8019166	14	69309679	T	0.01440
rs149250	14	69599208	C	0.01258
rs150951	14	69605628	C	0.01337
rs150950	14	69605652	A	0.01002
rs150949	14	69605686	C	0.01221
rs150948	14	69605873	C	0.01503
rs12883784	14	69617703	C	0.01162
rs4331283	14	69809307	T	0.00833
rs1060681	14	69906506	A	0.00445
rs2332431	14	70145604	G	0.01586
rs4902846	14	70288963	A	0.00476
rs4902852	14	70302669	C	0.00679
rs7155910	14	70344430	T	0.00689
rs1024512	14	70379416	A	0.00638
rs11848070	14	70577354	T	0.00670
rs7158714	14	70700015	C	0.01463
rs7161176	14	72047594	C	0.01039
rs11628539	14	72077931	T	0.00117
rs2333022	14	72569867	G	0.00591
rs362341	14	72711211	T	0.00047
rs17094045	14	73466004	T	0.00230
rs4646859	14	73618001	G	0.01199
rs4899530	14	74235578	A	0.00791
rs6574189	14	74236246	T	0.01204
rs17782683	14	74237459	G	0.00336
rs732765	14	74435482	A	0.01202
rs1008436	14	74856838	C	0.00689
rs12431544	14	74899572	G	0.00027
rs12590700	14	74899937	C	0.00190
rs8006018	14	74901110	C	0.01195
rs7153959	14	75663607	G	0.00444

rs935334	14	75683431	A	0.00553
rs1900125	14	75727223	G	0.00979
rs11623322	14	75855290	T	0.01556
rs7150681	14	75872362	T	0.00500
rs8021398	14	75916679	C	0.00991
rs1642821	14	76137298	G	0.01356
rs1467375	14	76401158	C	0.00764
rs388764	14	76762509	A	0.00518
rs2049818	14	77723325	C	0.00615
rs10133718	14	78268121	G	0.00269
rs31420	14	78499684	C	0.01208
rs17108429	14	78500348	A	0.00604
rs7153625	14	79119015	A	0.01239
rs221492	14	79161922	T	0.01298
rs8011654	14	79343602	C	0.00055
rs10483937	14	79443521	T	0.01514
rs1534835	14	79452128	T	0.00214
rs17175981	14	79604883	C	0.01080
rs1388382	14	79654454	G	0.00808
rs2267873	14	79743567	T	0.01611
rs2295138	14	79813376	C	0.01051
rs9989235	14	79837480	G	0.00320
rs2160355	14	79841000	C	0.00950
rs10142839	14	79947871	G	0.00313
rs6574600	14	80213895	G	0.01636
rs917986	14	80540408	G	0.00732
rs6574663	14	81122839	A	0.00738
rs17116374	14	81668270	T	0.00726
rs1242558	14	82305174	A	0.00900
rs17118771	14	83058938	C	0.00806
rs945347	14	83159821	T	0.00351
rs1952530	14	83253775	A	0.00465
rs8020352	14	83287890	A	0.00922
rs17119232	14	83429313	A	0.00706
rs7157753	14	83515016	T	0.01130
rs8006640	14	83979059	A	0.01011
rs12883344	14	83981301	C	0.00571
rs1375450	14	83994725	A	0.00870
rs2765912	14	84245069	C	0.00804
rs1667507	14	84773762	A	0.01413
rs17710010	14	85051048	A	0.00075
rs12897255	14	85288372	C	0.01541
rs17730580	14	85291664	G	0.00402
rs8003269	14	85306119	C	0.01388

rs17736583	14	85321268	G	0.01154
rs11851223	14	85335323	G	9.86200
rs10149765	14	85789333	T	0.00126
rs2135102	14	85796095	A	0.00670
rs4899891	14	85796535	G	0.00283
rs1505163	14	85813242	G	0.00058
rs7144626	14	85817489	G	0.00591
rs17684800	14	85986767	C	0.00005
rs17259285	14	86443584	T	0.00414
rs12893295	14	86763989	G	0.00922
rs2163315	14	86949005	G	0.00041
rs8014135	14	87119520	C	0.00158
rs12435864	14	87398733	A	0.00285
rs10484007	14	88452101	C	0.00481
rs17716878	14	88750773	C	0.00856
rs7148718	14	89322362	G	0.01488
rs17260618	14	89650740	C	0.01147
rs2282031	14	89800696	G	0.00962
rs10129175	14	89954662	T	0.00728
rs2215719	14	90007493	T	0.01453
rs1286293	14	90380657	T	0.01065
rs11622397	14	90410446	A	0.00849
rs7143288	14	91407630	T	0.00782
rs11160057	14	91866998	A	0.01085
rs11628803	14	92140517	A	0.00118
rs2146498	14	92142022	C	0.01520
rs4904964	14	92169620	T	0.01387
rs17748637	14	92416199	C	0.01117
rs17128706	14	92508104	A	0.00376
rs12586978	14	93111973	C	0.00582
rs8012955	14	93450660	G	0.00679
rs11160168	14	93846154	T	0.01009
rs1950654	14	93875164	G	0.00209
rs1016686	14	93908993	A	0.00804
rs1243167	14	93911394	A	0.01424
rs2753934	14	93921083	G	0.00289
rs8008729	14	94019874	C	0.00686
rs12589932	14	94020846	C	0.00850
rs4900233	14	94026811	T	0.01314
rs8012043	14	94033174	T	0.01089
rs10149025	14	94130789	G	0.00731
rs10136944	14	94930040	T	0.01030
rs878599	14	95016128	T	0.00931
rs10131473	14	95075769	G	0.00844

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rs1984968	14	95251335	T	0.01427
rs10498645	14	95332505	G	0.00100
rs17093610	14	95516403	G	0.00651
rs11628024	14	95518120	A	0.00341
rs2369415	14	95526439	G	0.01591
rs10149056	14	95560098	C	0.00425
rs4905449	14	95686083	A	0.00308
rs2069600	14	95782782	T	0.00944
rs1890913	14	95953722	A	0.00307
rs11847642	14	96222951	T	0.00642
rs17094378	14	96260492	T	0.00831
rs17094877	14	96564728	G	0.00810
rs234184	14	97201697	C	0.00205
rs7154456	14	97257396	T	0.00820
rs1840790	14	97426285	T	0.01469
rs17096516	14	97689215	T	0.01344
rs17096556	14	97697068	C	0.01197
rs17096732	14	97738977	A	0.01417
rs4900391	14	97775389	T	0.00301
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rs2766696	14	99731073	T	0.00652
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rs7147563	14	101107380	C	0.01540
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rs911627	14	102481588	C	0.00736
rs2403107	14	102482021	A	0.01178
rs8019504	14	102862008	A	0.00987
rs17101871	14	103376191	C	0.00244
rs1770998	14	103610922	A	0.00893
rs2816662	14	104667099	G	0.01530

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rs1459963	15	21779413	C	0.01568
rs996956	15	21780108	G	0.00708
rs17829754	15	21982100	T	0.01554
rs6576424	15	23248632	C	0.01645
rs2925239	15	23332768	G	0.00620
rs2925253	15	23427097	A	0.01290
rs4906777	15	23600150	G	0.01003
rs17642892	15	23604395	A	0.00055
rs8041836	15	23605988	G	0.00008
rs1849155	15	23708904	T	0.00438
rs7171565	15	23768183	G	0.00653
rs3915026	15	23847489	A	0.01316
rs4261503	15	24091541	C	0.01001
rs4567674	15	24462768	A	0.00602
rs8032341	15	24625888	G	0.00349
rs7402786	15	24632266	A	0.01322
rs2116526	15	24815274	A	0.01411
rs12439106	15	24875499	A	0.00235
rs16950123	15	25431355	C	0.00678
rs3097459	15	25510397	A	0.01229
rs4778185	15	25738936	T	0.01463
rs12592307	15	25763768	T	0.01137
rs768547	15	25774538	A	0.00665
rs9989302	15	26064496	C	0.00274
rs12324794	15	27025631	A	0.01295
rs1025989	15	27391874	C	0.00097
rs1373891	15	27395970	T	0.00629
rs16955485	15	27547808	T	0.01480
rs10851966	15	27556480	C	0.00666
rs11073050	15	27562437	C	0.00044
rs16956564	15	29208621	G	0.00842
rs783032	15	29251419	C	0.01301
rs17228227	15	29324938	C	0.00669
rs17815905	15	29332325	T	0.00652
rs4354896	15	29494067	C	0.01006
rs2125617	15	29548278	C	0.01505
rs4779532	15	29559726	G	0.00529
rs905434	15	29883581	A	0.01162
rs905438	15	29884283	C	0.01360
rs7171443	15	29891656	A	0.00317
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rs2879291	15	29912376	G	0.01425
rs17604644	15	29918313	G	0.01075

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rs11852910	15	31306881	A	0.00522
rs11633122	15	31375943	A	0.01292
rs2572167	15	31569534	C	0.00871
rs2572204	15	31583002	T	0.00562
rs11638664	15	31706944	T	0.01232
rs16957135	15	31724171	T	0.00134
rs12101933	15	31732691	C	0.00793
rs17817626	15	31893329	C	0.01038
rs504714	15	32052393	T	0.00952
rs1436914	15	32728335	A	0.01104
rs11632450	15	32793952	G	0.00497
rs2196562	15	32841217	A	0.01207
rs1521849	15	32849069	T	0.01433
rs11855784	15	32959677	T	0.01230
rs16960581	15	33252088	A	0.01498
rs167615	15	33310670	G	0.01014
rs16960726	15	33337838	T	0.00189
rs17586323	15	33550949	T	0.01439
rs958384	15	33554579	G	0.01547
rs16961136	15	33590674	G	0.00468
rs8024137	15	33624589	A	0.00249
rs2647668	15	33788678	A	0.00503
rs2339987	15	34080142	C	0.01616
rs4924065	15	34490368	A	0.01609
rs7173993	15	34539883	A	0.00671
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rs1533673	15	35282522	C	0.00267
rs1568449	15	35418881	T	0.00485
rs7174609	15	35686045	C	0.00044
rs10852007	15	35900682	T	0.00091
rs4924266	15	36502454	G	0.00606
rs12324139	15	36654501	T	0.01085
rs12324161	15	36654582	A	0.01073
rs4923807	15	36980534	C	0.01236
rs4462564	15	37507072	T	0.00510
rs2664128	15	37781025	C	0.00935
rs4924393	15	37913935	C	0.00290
rs8028660	15	38943412	A	0.00681
rs7173954	15	39062306	A	0.00943
rs7166182	15	39301991	A	0.01001
rs16971832	15	39551211	C	0.00041

rs11858969	15	39607260	A	0.00587
rs9944249	15	39634468	A	0.01017
rs4923918	15	39948235	T	0.01479
rs4924678	15	40548728	A	0.00679
rs9920935	15	40862494	C	0.01250
rs11635852	15	41717056	G	0.00831
rs2277610	15	42650222	T	0.00537
rs6493111	15	42803897	A	0.00071
rs3100141	15	42843424	G	0.01576
rs11637838	15	43337949	A	0.01176
rs8039354	15	43339048	G	0.00434
rs11631021	15	43344121	A	0.01489
rs11639420	15	43346560	A	0.00126
rs11636114	15	43388704	G	0.00011
rs2453518	15	43516029	G	0.00882
rs8026116	15	43775298	G	0.00347
rs16949297	15	44023436	G	0.00369
rs6493188	15	44030019	T	0.00989
rs1601206	15	44513767	T	0.00917
rs8042193	15	44965986	A	0.00347
rs11070567	15	45204194	T	0.01402
rs1390870	15	45541604	T	0.00276
rs12908208	15	45584167	T	0.00260
rs2136897	15	45708806	G	0.00503
rs1025759	15	45855742	C	0.00735
rs11070617	15	45932546	A	0.00866
rs12898572	15	46648809	C	0.00975
rs4381535	15	46999340	G	0.00569
rs4303430	15	47007244	A	0.00758
rs1911614	15	47650898	T	0.01132
rs2414003	15	48105489	A	0.00502
rs8029889	15	48338192	G	0.00042
rs17431564	15	48497408	T	0.01522
rs11070790	15	48626310	A	0.00432
rs11632323	15	49215489	T	0.00424
rs16964764	15	50284225	A	0.01548
rs17614119	15	50500938	A	0.00595
rs8034728	15	50652177	A	0.01283
rs690013	15	51279653	C	0.01117
rs1949098	15	51291057	G	0.00894
rs17711751	15	51395895	A	0.00373
rs11632462	15	51481077	A	0.01238
rs11853116	15	51492626	A	0.00424
rs640063	15	51518440	T	0.00209

rs10220852	15	51627071	C	0.00284
rs16966302	15	51690626	T	0.00615
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rs2725627	15	51979784	C	0.01093
rs2616910	15	52063875	T	0.00200
rs8023723	15	52310314	C	0.01029
rs12439702	15	52320735	G	0.01234
rs12917023	15	52327637	G	0.00298
rs495769	15	52589815	T	0.00347
rs16974720	15	52597824	C	0.00212
rs6493735	15	53049743	G	0.01618
rs1690358	15	53090579	G	0.01081
rs8037056	15	53424801	C	0.01630
rs7179377	15	53844316	T	0.00969
rs12900986	15	55046028	C	0.00242
rs967514	15	55201068	G	0.00417
rs745998	15	55660593	A	0.00382
rs2899611	15	56114639	A	0.01470
rs12899929	15	56230722	G	0.00268
rs12916831	15	57261382	A	0.00238
rs9920861	15	58460982	C	0.00942
rs9920823	15	58461141	T	9.12400
rs11071551	15	58805789	G	0.01612
rs16943012	15	58806100	C	0.01660
rs4774376	15	58975973	G	0.00982
rs2899664	15	58988042	A	0.00291
rs4378570	15	58994347	T	0.00655
rs8028646	15	58998481	A	0.01408
rs11638929	15	59080991	T	0.00519
rs4775384	15	59403632	A	0.01586
rs11630398	15	59480010	G	0.01270
rs4619338	15	59553394	G	0.01427
rs12902473	15	60226723	A	0.01416
rs1518173	15	60483171	T	0.01454
rs12911081	15	60503933	G	0.00328
rs16945148	15	60574452	C	0.00527
rs16945167	15	60578048	T	0.00019
rs885188	15	60581199	G	0.00307
rs16945344	15	60671425	C	0.00939
rs1050255	15	61150684	G	0.01354
rs1499605	15	61493278	A	0.00838
rs12917403	15	61544333	T	0.00909
rs8025240	15	61615616	T	0.00881
rs4074448	15	61675548	C	0.01631

rs477966	15	62570778	G	0.00279
rs6494518	15	63453712	C	0.00422
rs12595096	15	64898350	C	0.00608
rs17274866	15	65015413	A	0.01535
rs12441344	15	65234949	G	0.00683
rs12595334	15	65272210	T	0.00672
rs8042007	15	65440030	C	0.00687
rs4776991	15	65927216	T	0.00279
rs2280218	15	66354066	G	0.00212
rs3784334	15	66397438	C	8.81400
rs7179598	15	66409618	A	0.00325
rs11072031	15	66545560	C	0.00720
rs7169200	15	66736955	C	0.01440
rs12438916	15	67263598	T	0.01493
rs4777125	15	67288438	G	0.00505
rs4777180	15	67773628	G	0.01546
rs10220831	15	67779168	G	0.00940
rs453151	15	67884729	G	18.21900
rs7169441	15	68049834	A	0.00847
rs869607	15	68104426	T	0.00772
rs11630941	15	68329262	C	0.00121
rs16955491	15	69437166	G	0.00919
rs7167951	15	69466017	A	4.39400
rs991051	15	69537817	C	0.00036
rs12912393	15	69540196	C	0.00425
rs3924603	15	69564029	A	0.01480
rs8037079	15	69630924	T	0.00360
rs13379966	15	69689588	C	0.01477
rs7169459	15	69746050	T	0.00350
rs1604335	15	69791262	T	0.01279
rs17737569	15	69804834	C	0.00715
rs12909288	15	69835470	G	0.00427
rs16956602	15	70235165	T	0.00865
rs3803388	15	70332911	T	0.00197
rs16956956	15	70530512	C	0.00277
rs2278543	15	70864255	G	0.00476
rs4514651	15	70909026	T	0.00306
rs1038094	15	71799490	A	0.01568
rs893818	15	72016248	T	0.00429
rs971756	15	72275022	A	0.00826
rs351214	15	72363319	A	0.00207
rs7176022	15	72894933	G	0.01307
rs11072528	15	73223508	G	0.00924
rs8026113	15	73723753	G	0.00947

rs11634290	15	73771150	T	0.00716
rs12903227	15	75110084	A	0.00984
rs17467967	15	75281409	A	0.01012
rs3803380	15	76157798	G	0.01354
rs16969482	15	76164665	T	0.01540
rs869858	15	76280099	T	0.00251
rs16970187	15	76964515	G	0.00554
rs7171473	15	77270126	A	0.00277
rs1110729	15	77790012	A	0.00240
rs16971368	15	77891230	A	0.00214
rs16971739	15	78182928	T	0.01458
rs7172425	15	78689321	G	0.00897
rs11633017	15	78880032	G	0.01460
rs748696	15	78880943	C	0.01580
rs1507661	15	78996352	T	0.01614
rs7162859	15	79147093	T	0.01290
rs8031649	15	79889541	C	0.00145
rs12916134	15	79981140	G	0.01247
rs16973216	15	80004173	C	0.01279
rs17350827	15	80037058	C	0.01483
rs12324805	15	80139255	C	0.01210
rs896368	15	83294136	T	0.00849
rs896370	15	83294367	G	0.01537
rs8039875	15	83499650	T	0.00146
rs6496932	15	83626571	T	0.00843
rs7168345	15	83814605	A	0.00388
rs12913754	15	83824542	G	0.00128
rs11637726	15	83860275	C	0.00649
rs4842888	15	83864137	C	0.00089
rs3743321	15	83865972	G	0.00976
rs6496055	15	83871692	G	0.00274
rs17574774	15	84034374	C	0.00742
rs4842907	15	84239094	A	0.00989
rs4262906	15	84263856	A	0.00471
rs17650190	15	84363182	T	0.00716
rs4887511	15	84393542	G	0.00244
rs11630546	15	84415671	T	0.01394
rs1835629	15	84756735	C	0.00405
rs7174126	15	84815653	G	0.00213
rs9920671	15	84815973	C	0.01649
rs12591257	15	84865093	C	0.00931
rs896614	15	85108849	T	0.00829
rs4887516	15	85233492	G	0.00704
rs1473258	15	85397349	G	0.00275

rs17738824	15	85643188	G	0.00493
rs17716031	15	85842923	T	0.01510
rs11857638	15	86016574	C	0.01588
rs1560977	15	86204840	C	0.00563
rs3803409	15	86205395	C	0.00175
rs7170215	15	86299145	A	0.00289
rs10520673	15	86418725	A	0.01634
rs16941252	15	86439010	G	0.00784
rs7169335	15	86561320	C	0.01583
rs17188013	15	86805495	G	0.01618
rs16941976	15	86829106	G	0.00267
rs7163448	15	86836540	G	0.01327
rs7182912	15	86839816	A	0.00665
rs11637762	15	86947538	C	0.01171
rs11073865	15	87790545	A	0.01117
rs11073866	15	87790819	C	0.00783
rs4932227	15	87865597	C	0.00682
rs8039002	15	87943291	G	0.00475
rs894157	15	87969112	A	0.01650
rs753362	15	88141538	G	0.00161
rs11635236	15	88651766	A	0.01261
rs8026218	15	88946269	C	0.01274
rs4932182	15	89309807	A	0.00451
rs16945332	15	89543178	G	0.01441
rs8026662	15	89584811	T	0.01432
rs8028098	15	89918244	G	0.01039
rs12148290	15	89962969	G	0.01381
rs6496866	15	90247268	T	0.00146
rs7175217	15	90478521	T	0.00523
rs12440538	15	90571510	C	0.00269
rs11632145	15	90573772	A	0.00933
rs16946658	15	90616516	A	0.00264
rs16947479	15	91476326	T	0.00604
rs12911343	15	91592091	T	0.00139
rs7180119	15	91994204	C	0.01402
rs8041276	15	92422259	C	0.01180
rs16949124	15	92776053	A	0.00120
rs1863095	15	92917093	A	0.00596
rs12442336	15	93134763	A	0.00359
rs17637117	15	93705068	T	0.01474
rs9672727	15	93770078	A	0.01494
rs4581667	15	93938912	G	0.01262
rs11856995	15	94126647	C	0.01324
rs16975873	15	94311063	A	0.00488

rs1450484	15	94386371	T	0.01148
rs11629694	15	94409141	T	0.01288
rs1964412	15	94583487	A	0.01325
rs11856264	15	94589026	T	0.01649
rs2398162	15	94631554	C	0.00432
rs10162920	15	94772921	A	0.01363
rs12438146	15	94832146	G	0.01034
rs8037286	15	94837156	G	0.00697
rs12910181	15	94970584	C	0.00646
rs964672	15	96323042	T	0.00553
rs899672	15	96445206	C	0.00880
rs10152110	15	96491372	T	0.00480
rs11634680	15	96494081	A	0.00024
rs3863402	15	96638256	C	0.01132
rs4965332	15	96650361	T	0.01539
rs12910957	15	96743014	A	0.00918
rs2654974	15	97365957	G	0.00410
rs11855362	15	97764026	C	0.00028
rs4424892	15	97921908	G	0.00264
rs325406	15	98065263	G	0.01073
rs7165478	15	98095507	T	0.01454
rs4965327	15	99016197	C	0.00211
rs4965381	15	99749985	A	0.00869
rs4965897	15	99903123	T	0.01034
rs516667	15	100021554	C	0.00530
rs11637017	15	100210760	C	0.01296
rs6600227	16	55072	C	0.00333
rs11248914	16	233563	G	0.00210
rs1465761	16	932301	T	0.01382
rs12595929	16	947764	T	0.01068
rs7187167	16	1289210	C	0.00927
rs1742431	16	1845875	T	0.00668
rs4785913	16	2860765	T	0.01403
rs2717695	16	3090897	G	0.01184
rs8058624	16	4162240	T	0.00149
rs3848370	16	4300315	C	0.00073
rs11646063	16	4379210	G	0.00018
rs4786509	16	4508770	G	0.00430
rs11076837	16	4509441	C	0.00907
rs9939503	16	4636655	G	0.01302
rs3760030	16	5059873	A	0.00148
rs11076893	16	5195875	G	0.00758
rs938756	16	5343815	T	0.00125
rs4786690	16	5469808	A	0.00415

rs7205245	16	5670141	G	0.01534
rs10500328	16	5747879	A	0.01649
rs9926798	16	5775884	C	0.00245
rs8059231	16	5790794	A	0.00416
rs9302816	16	6086024	C	0.00589
rs7195534	16	6294920	T	0.00683
rs12149730	16	6302495	T	0.00946
rs1833157	16	6328800	G	0.00319
rs1640881	16	6331875	A	0.00401
rs11642627	16	6340689	A	0.00726
rs17527108	16	6348155	T	0.00541
rs809693	16	6429160	G	0.00928
rs9923390	16	6594901	G	0.00065
rs6500824	16	6760961	T	0.00853
rs7200754	16	6837637	A	0.00133
rs8054227	16	7052858	C	0.01561
rs17670098	16	7149248	A	0.00608
rs9929583	16	7180745	G	0.00681
rs7201982	16	7183757	T	0.01000
rs17143076	16	7247253	A	0.00194
rs7195044	16	7277941	C	0.01302
rs17143492	16	7356171	A	0.00393
rs7202208	16	7375166	C	0.00781
rs6500963	16	7407490	C	0.00382
rs7186099	16	7501334	G	0.01365
rs12596133	16	7531196	C	0.00701
rs1507027	16	7531546	C	0.01592
rs6500981	16	7533576	A	0.00809
rs7197594	16	7559278	A	0.01020
rs11641648	16	7562377	C	0.01325
rs7190440	16	7565512	C	0.01628
rs11648790	16	7567099	G	17.75400
rs7196984	16	7737129	C	0.00228
rs17145374	16	8178962	C	0.00074
rs2360853	16	8284785	G	0.00491
rs17145695	16	8296327	T	0.01352
rs8044475	16	8351688	G	0.00700
rs4074769	16	8538548	G	0.01594
rs9925238	16	8544856	G	2.36400
rs1731062	16	8710253	A	0.00896
rs1075853	16	8782280	G	0.00315
rs1347580	16	8907049	T	0.00338
rs12446999	16	8957832	C	0.00024
rs1114620	16	9171238	G	0.00800

rs2965859	16	9209582	T	0.00009
rs1428795	16	9444348	C	0.00256
rs8054870	16	9534859	G	0.01499
rs7189658	16	9538224	G	0.00849
rs12597733	16	9548886	T	0.00282
rs9932623	16	9552891	C	0.00814
rs9932870	16	9553178	C	0.00964
rs12917871	16	9714028	G	0.01266
rs8062216	16	9715998	C	0.01593
rs6497420	16	9716455	T	0.01519
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rs1833167	16	9729142	T	0.00928
rs17749793	16	9740694	T	0.00810
rs8045712	16	9758623	G	0.00337
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rs837696	16	10019403	G	0.01307
rs11074547	16	10044390	T	0.00053
rs6497732	16	10153982	T	0.01574
rs1071504	16	10187517	C	0.00037
rs13335305	16	10263717	C	0.01086
rs11074939	16	10919210	G	0.00053
rs12598008	16	10947194	G	0.01370
rs8055544	16	10999062	A	0.01189
rs7205925	16	11369979	T	0.00316
rs9934326	16	11658331	A	0.00293
rs3829527	16	12615904	C	0.00839
rs1651006	16	12682064	C	0.01327
rs2865628	16	12761989	G	0.00674
rs377027	16	13217669	G	0.00465
rs2903251	16	13252951	A	0.00625
rs9989415	16	13428953	A	0.00147
rs7199289	16	13432639	T	0.01380
rs16962155	16	13495836	T	0.00434
rs16962265	16	13545495	G	0.00519
rs12149863	16	13642296	T	0.00462
rs11642741	16	13796291	T	0.01007
rs7197456	16	13845373	C	0.00337
rs4781565	16	14047838	C	0.00364
rs6498514	16	14395803	G	0.01202
rs2133774	16	15940440	G	0.00440
rs7193763	16	17133036	C	0.00867
rs4426337	16	17625019	C	0.01279
rs8052722	16	17698192	G	0.01558
rs4780657	16	18065113	T	0.00238

rs7197580	16	19186126	A	0.00322
rs8052275	16	19237604	A	0.00055
rs8051268	16	19237689	C	0.01638
rs2027818	16	19239195	G	0.01377
rs2027819	16	19239238	A	0.00517
rs9921076	16	19379201	A	0.01426
rs8063463	16	19403812	C	0.00674
rs2079012	16	19486846	C	0.01114
rs1031634	16	19948634	C	0.00375
rs3103821	16	20863061	G	0.01266
rs2172436	16	20931534	T	0.01648
rs741719	16	21077070	C	0.00360
rs41468646	16	21529747	C	0.00569
rs4783414	16	21644915	G	0.01474
rs6497580	16	22139927	G	0.00821
rs4468604	16	22284504	A	0.00639
rs41433148	16	22780221	A	0.01377
rs2239335	16	22805296	A	0.01295
rs17728207	16	22943549	A	0.01427
rs9939129	16	23177793	A	0.01583
rs16939978	16	23179497	T	0.00099
rs1016586	16	23496467	T	0.00671
rs17807642	16	23633222	C	0.00544
rs192188	16	23647489	T	0.01292
rs194788	16	23697839	T	0.01137
rs274079	16	24809456	T	0.00313
rs891842	16	24929812	T	0.01169
rs1546586	16	25608447	C	0.01450
rs4787750	16	25653401	A	0.00729
rs7203781	16	25666529	T	0.00192
rs4787772	16	25762669	G	0.00471
rs4430747	16	25903277	G	0.01217
rs11074748	16	26006106	A	0.01273
rs4520841	16	26007616	A	0.00978
rs17582688	16	26360431	C	0.01620
rs321452	16	26617041	A	0.00148
rs9925072	16	26790558	G	0.00645
rs4638587	16	26870497	G	0.01057
rs9674123	16	26915707	T	0.01600
rs11646543	16	26918208	T	0.01522
rs16976487	16	26919173	T	0.01337
rs7184516	16	26980349	T	0.00847
rs12926642	16	26982794	A	0.01660
rs12927904	16	26982895	G	0.01523

rs17638800	16	27089322	A	0.01643
rs8045153	16	27089979	G	0.01537
rs4787413	16	27110532	A	0.00288
rs252299	16	29140178	G	0.00005
rs8055861	16	31307402	G	0.01428
rs11150645	16	31786220	G	0.00713
rs2623779	16	34240588	A	0.01375
rs8054993	16	34679872	A	0.00809
rs3809677	16	46052001	T	0.00196
rs16945613	16	46391563	A	0.00742
rs1510980	16	47739697	A	0.01442
rs193915	16	48077446	C	0.00270
rs193910	16	48078375	G	0.00202
rs1420679	16	48166704	T	0.01265
rs7204390	16	48178188	G	0.01617
rs1420683	16	48178489	G	0.00259
rs11076503	16	48431834	T	0.01354
rs8057842	16	48781884	T	0.00352
rs4490002	16	48817077	G	0.00750
rs7202124	16	49271530	G	0.00352
rs1981760	16	49280575	C	0.01056
rs9933594	16	49281588	G	0.00618
rs4785448	16	49282290	G	0.01638
rs1861759	16	49303084	A	0.00323
rs751271	16	49308676	A	0.00039
rs16948985	16	49468532	T	0.00006
rs11646341	16	49695756	T	0.01256
rs2647979	16	50180936	G	0.01007
rs2615010	16	50272978	C	0.00863
rs11645575	16	50491356	C	0.00594
rs17185495	16	50527886	C	0.01396
rs1119603	16	50555041	G	0.00535
rs17535828	16	50993710	C	0.01486
rs4783780	16	51128937	G	0.00900
rs4784227	16	51156689	T	0.01045
rs3112572	16	51157948	G	0.01194
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rs7499206	16	51603635	A	0.01385
rs8049586	16	51616359	T	0.00883
rs1073454	16	51753543	T	0.01278
rs3803658	16	51906084	C	0.01489
rs9940700	16	52352910	G	0.00508
rs12445828	16	52692303	T	0.00652

rs4530133	16	52753690	T	0.00422
rs1562797	16	52900570	T	0.01086
rs9972796	16	53021837	T	0.00182
rs1420284	16	53030284	A	0.00466
rs8059628	16	53135829	G	0.01057
rs16953751	16	53185161	A	0.01372
rs12932067	16	53733607	G	0.00640
rs7197650	16	53866889	C	0.01009
rs12932846	16	53872091	C	0.00973
rs6499756	16	53909023	G	0.00746
rs2192855	16	54126146	G	0.00521
rs4238780	16	54130822	C	0.00278
rs7184467	16	54233021	G	0.00489
rs36006	16	54297556	G	0.00309
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rs8051382	16	54648394	G	0.00019
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rs10521336	16	54813457	A	0.01184
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rs1382362	16	54831387	A	0.01652
rs2289114	16	55496023	A	0.00370
rs11640308	16	55497470	C	0.00107
rs37027	16	55507529	C	0.00232
rs11076193	16	56097198	T	0.01191
rs2731757	16	56783625	G	0.01246
rs2731740	16	56791457	A	0.00077
rs7197148	16	56962005	A	0.00236
rs17821543	16	57098376	T	0.00066
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rs1871301	16	57552966	C	0.00589
rs8062999	16	57565618	A	0.01455
rs13334953	16	58096610	T	0.01368
rs7191772	16	58124917	T	0.01174
rs11863562	16	58129174	A	0.00511
rs1500283	16	58338513	G	0.01214
rs11076365	16	58767745	T	0.00407
rs10431914	16	58791285	A	0.00804
rs16962092	16	59068132	C	0.01132
rs4785141	16	59537312	C	0.01115
rs7195151	16	59639872	C	0.00474
rs4784117	16	60012830	G	0.01289
rs2407919	16	60162149	A	0.00396
rs8058822	16	60187711	T	0.00406
rs7189354	16	60463745	C	0.00858

rs2938719	16	61131967	C	0.00389
rs3011235	16	61137678	A	0.00388
rs2962442	16	61333268	T	0.00753
rs153349	16	61620101	T	0.00222
rs258159	16	62371274	A	0.01035
rs11648590	16	63017123	T	0.00408
rs41362348	16	63189754	T	0.01458
rs1424000	16	63378852	C	0.00012
rs2874148	16	63380457	C	0.00482
rs35164	16	63532702	A	0.00865
rs35162	16	63533057	A	0.00947
rs1402020	16	63547688	T	0.00418
rs9939590	16	63947553	G	0.00689
rs9929092	16	63963161	T	0.01151
rs17439904	16	64020359	T	0.01648
rs7187758	16	64129516	A	3.68600
rs12599568	16	64272626	C	0.00236
rs4785875	16	64486360	T	0.01174
rs11075598	16	64486648	G	0.01176
rs12598065	16	64701645	T	0.01560
rs2549491	16	64811279	G	0.00690
rs233537	16	64852265	G	0.00701
rs11568311	16	65528758	A	0.01228
rs17689437	16	67157852	A	0.00291
rs12598642	16	68406273	G	0.01370
rs16970513	16	69349418	T	5.47600
rs4985364	16	69364175	C	0.01060
rs8060947	16	69381134	G	0.00347
rs9931380	16	69391450	C	0.01325
rs8054021	16	69605803	C	0.01025
rs6499386	16	69606892	T	0.00054
rs8048210	16	70274906	G	0.00508
rs2036338	16	70346331	G	0.01251
rs17664900	16	70585112	C	0.01279
rs11075966	16	71711500	G	0.00596
rs11649596	16	71891836	C	0.00898
rs825840	16	72082928	C	0.01443
rs10500572	16	72116858	A	0.01403
rs8056327	16	72259525	G	0.00097
rs764255	16	72271184	C	0.00608
rs9926019	16	72307496	C	0.00526
rs417940	16	72340097	C	0.01265
rs4887925	16	72341917	C	0.00873
rs9932030	16	72646583	G	0.00357

rs8051876	16	72656475	C	0.01025
rs2240244	16	73314484	C	0.01205
rs8060979	16	73364993	A	0.00625
rs11645072	16	73479949	C	0.01526
rs6564245	16	73866400	G	0.00991
rs1018097	16	74555050	C	0.01402
rs6564297	16	74566842	C	0.00098
rs8055817	16	74579010	G	0.00622
rs13337655	16	74691349	A	0.01057
rs12149144	16	74717773	C	0.00041
rs4888477	16	74720494	A	0.01518
rs4888478	16	74720684	A	0.00099
rs724246	16	74726944	C	0.00037
rs10871321	16	74757947	G	0.01632
rs16943958	16	74772660	G	0.01134
rs41526748	16	74773650	G	0.01409
rs12597760	16	74792527	A	0.00357
rs3851752	16	74793211	G	0.01104
rs11863642	16	74793563	A	0.00540
rs111149879	16	74793613	C	0.01506
rs41515248	16	74794055	T	0.01594
rs4888483	16	74794135	G	0.01662
rs4888484	16	74794288	A	0.01658
rs4533311	16	75087638	G	0.01547
rs1496961	16	75492651	T	0.01298
rs1874531	16	75511507	A	0.01078
rs889706	16	75875092	T	0.00605
rs2562125	16	75907154	C	0.01150
rs41339645	16	75978734	G	0.00560
rs17771505	16	76080236	G	0.00985
rs8045050	16	76179102	T	0.01369
rs17623334	16	76207451	G	0.00859
rs8062748	16	76270643	C	0.01558
rs409818	16	76572964	T	0.00606
rs11643308	16	76766570	C	0.00474
rs4334310	16	76842313	T	0.00422
rs4459554	16	76959950	C	0.00934
rs2738708	16	77080865	G	0.00621
rs2738577	16	77218875	T	0.00497
rs1981881	16	77223653	G	0.00078
rs2550626	16	77236228	C	0.00179
rs4887981	16	77359617	T	0.00869
rs6564613	16	77459270	G	0.01437
rs1995549	16	77541637	C	0.00687

rs1566884	16	77569485	A	0.00277
rs16949152	16	77576754	C	0.00210
rs17727687	16	77681077	A	0.01644
rs11859942	16	77737760	C	0.00450
rs17724508	16	77907705	G	0.01558
rs16950218	16	77909775	G	0.01446
rs1862718	16	78075910	G	0.01493
rs8063590	16	78085689	C	0.01184
rs388127	16	78141116	A	0.00498
rs1559340	16	78206161	C	0.00738
rs7189280	16	78206245	T	0.00167
rs12599059	16	78227792	C	0.01159
rs11867049	16	78296126	C	0.00373
rs9941279	16	78296335	C	0.00707
rs12925930	16	78297854	C	0.01638
rs10871375	16	78298732	G	0.00988
rs16951312	16	78350762	A	0.00802
rs7197544	16	78494702	C	0.00002
rs7204603	16	78692609	G	0.00678
rs16952612	16	78781611	A	0.01095
rs4533296	16	79130745	C	0.01595
rs1466183	16	79175194	C	0.01254
rs1423855	16	79383307	C	0.00314
rs16954075	16	79405063	G	0.00515
rs10459871	16	79650568	C	0.00385
rs7190477	16	80197103	C	0.00460
rs12444183	16	80330710	A	0.01569
rs6564919	16	80374081	G	0.00921
rs7192802	16	80374523	G	0.01173
rs4580153	16	80374740	C	0.00947
rs17537869	16	80480314	G	0.01315
rs2966245	16	80663800	G	0.01622
rs1029637	16	80884590	T	0.00955
rs2317841	16	80934373	T	0.00354
rs6565016	16	81011673	G	0.00729
rs4783020	16	81041299	T	0.00204
rs16957875	16	81213161	T	0.00089
rs8046812	16	81352714	G	0.00585
rs12933790	16	81826720	A	0.00680
rs2194341	16	81837945	G	0.00921
rs8059870	16	81851744	C	0.00927
rs17678609	16	81853239	G	0.00595
rs1019567	16	81901216	C	0.00928
rs16960354	16	81989999	G	0.01035

rs8056534	16	82096406	G	0.00268
rs4782539	16	82097934	G	0.00711
rs4782814	16	82127288	C	0.00953
rs4510000	16	82142657	C	0.00777
rs4550432	16	82178360	G	0.00027
rs4782555	16	82340293	A	0.00385
rs402411	16	82454775	C	0.00585
rs12599670	16	82528610	G	0.00237
rs10163267	16	82531419	C	0.01088
rs9926939	16	82584041	C	0.00009
rs6563991	16	82599817	T	0.00549
rs4782578	16	82620921	G	0.00938
rs39553	16	82811788	T	0.00099
rs16963210	16	82861578	C	0.01134
rs17812824	16	82922690	T	0.01426
rs959238	16	82976515	G	0.00386
rs744838	16	83332187	G	0.00313
rs6564098	16	83631915	C	0.00817
rs10863203	16	84551081	T	0.00109
rs17833838	16	84834231	G	0.00666
rs1728407	16	84979613	C	0.00530
rs16941191	16	85001690	C	0.00554
rs12597431	16	85030826	C	0.00555
rs11117502	16	85050919	C	0.00410
rs7199903	16	85066945	G	0.00821
rs9929301	16	85079091	C	0.00611
rs1862783	16	85188980	C	0.00189
rs7194028	16	85230802	A	0.00216
rs299966	16	85362200	T	0.00932
rs8060776	16	85513857	G	0.00490
rs8058772	16	85776927	A	0.00645
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rs11649456	16	85862730	T	0.01222
rs12444562	16	86214995	A	0.00047
rs3751679	16	87182252	A	0.00505
rs16965110	16	87434281	G	0.01407
rs154659	16	88194838	C	0.00492
rs7224313	17	38761	C	0.01290
rs10454094	17	111223	A	0.00423
rs11655015	17	1018374	T	0.00768
rs4968174	17	1026950	G	0.00960
rs8065878	17	1898829	A	0.00470
rs9913537	17	2611762	A	0.00570
rs4790372	17	2701606	T	0.00859

rs6502692	17	2966475	C	0.01555
rs7220491	17	2981856	C	0.01269
rs3907384	17	3248547	G	0.01138
rs227787	17	3271560	A	0.00142
rs17633288	17	3430534	G	0.01295
rs3744678	17	3582517	C	0.00851
rs16942524	17	3827102	T	0.01617
rs17176181	17	3954399	T	0.00979
rs10521129	17	3955569	T	0.00200
rs12952341	17	4332252	C	0.01577
rs1038118	17	4422333	C	0.00548
rs11078571	17	5396485	A	0.01603
rs16955281	17	5805293	A	0.01087
rs8079805	17	5876608	A	0.01369
rs8075301	17	5979493	A	0.00257
rs1077009	17	6120653	T	0.00569
rs9903554	17	6206438	A	0.00123
rs4796560	17	6656402	G	0.00202
rs9630721	17	6791092	T	0.00644
rs2292067	17	7192872	G	0.01603
rs1565816	17	7708213	T	0.00889
rs4791641	17	8101874	C	0.00767
rs268459	17	8425408	A	0.01059
rs7217233	17	8556959	C	0.00123
rs9894980	17	8644901	A	0.00874
rs4791771	17	8788773	T	0.01500
rs7224864	17	8802384	G	0.01141
rs898009	17	9308277	C	0.01272
rs1110096	17	9560527	A	0.00292
rs531437	17	9593224	C	0.00720
rs6503253	17	9656125	A	0.00556
rs17207885	17	9671489	T	0.00446
rs9897224	17	9864656	C	0.01195
rs2240577	17	10160091	C	0.00557
rs8077443	17	10428512	T	0.00712
rs8064939	17	11179760	T	0.01602
rs10521184	17	11477189	G	0.01547
rs237270	17	12278259	T	0.01162
rs11870286	17	12325534	C	0.00761
rs11654944	17	12336944	C	0.00637
rs2013153	17	12549877	A	0.00318
rs9905366	17	12942425	A	0.01012
rs2215077	17	13026348	C	0.00470
rs2322858	17	13085487	C	0.01608

rs11078144	17	13154495	A	0.00669
rs4792400	17	13651680	C	0.00234
rs1860124	17	13668116	T	0.00777
rs1859904	17	14098414	T	0.00187
rs16949994	17	14461941	G	0.01253
rs11652573	17	14482865	T	0.01432
rs11649745	17	14519718	C	0.01434
rs11652535	17	14696035	A	0.00783
rs11656166	17	14927578	C	0.00426
rs7218204	17	15357533	A	0.00892
rs4792677	17	15628872	T	0.00368
rs4792795	17	16766741	C	0.00708
rs9893203	17	17275612	G	0.00894
rs16961834	17	17354690	C	0.00801
rs4368210	17	17836815	G	0.00006
rs8065874	17	18216572	A	0.01305
rs10491097	17	19301803	T	0.01271
rs4925026	17	19486692	T	0.01335
rs12937179	17	19524677	T	0.00316
rs4925041	17	19535432	A	0.00560
rs7214841	17	19572507	T	0.01021
rs887241	17	19586530	G	0.00769
rs157402	17	19661181	G	0.01106
rs11204422	17	19937021	T	0.00612
rs7223476	17	20155944	T	0.00957
rs16966494	17	22367498	C	0.01558
rs1011230	17	22569015	G	0.00917
rs17778144	17	22873930	C	0.01377
rs7207044	17	23099651	C	0.00209
rs241772	17	23631847	T	8.25500
rs11080063	17	23813398	A	0.00404
rs4581750	17	23815286	A	0.00304
rs8080570	17	24437529	A	0.01221
rs3816780	17	26185484	T	0.00264
rs6505219	17	26289747	C	0.00836
rs2953013	17	26520469	A	0.00175
rs2074151	17	26881062	G	0.00701
rs17249181	17	28706137	C	0.00237
rs16968252	17	28716561	A	0.00201
rs2347154	17	28727436	G	0.00473
rs11656936	17	28798812	C	0.00925
rs190718	17	29010390	C	0.00737
rs4794969	17	29020132	G	0.00999
rs317375	17	29238214	A	0.00972

rs6505386	17	29247841	A	0.00416
rs4239243	17	29353806	A	0.00399
rs4513143	17	29361439	G	0.01413
rs2228989	17	29507383	C	0.01111
rs1860190	17	29600686	A	0.00408
rs16969603	17	29734011	A	0.00088
rs11867951	17	29734719	C	0.01182
rs159304	17	29735833	A	0.01190
rs16969695	17	29741828	T	0.00745
rs212498	17	29755162	G	0.01444
rs159244	17	29769746	G	0.01441
rs756882	17	29772173	G	0.00969
rs295066	17	29808100	G	0.00674
rs4795972	17	30039109	A	0.00470
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rs2240667	17	30076771	G	0.01665
rs4795043	17	30092666	G	0.00695
rs11657617	17	30230919	C	0.01492
rs6505447	17	30523981	T	0.00626
rs772124	17	30655442	G	0.00208
rs4239251	17	30820998	A	0.00591
rs11655913	17	30821778	A	0.01103
rs8066132	17	30830445	G	0.01467
rs41324748	17	30849516	C	0.01600
rs4239252	17	31187678	G	0.01273
rs854684	17	31336328	G	0.00589
rs3816279	17	32115831	C	0.00082
rs9330251	17	32663451	A	0.01276
rs2189303	17	33134218	G	0.01028
rs2107131	17	33160802	A	0.00457
rs2610383	17	33678831	G	0.00431
rs3785744	17	34527291	G	0.01067
rs903507	17	34979949	A	0.00470
rs9972941	17	36121448	C	0.00986
rs7502428	17	36133740	T	0.00067
rs16968916	17	36439391	G	0.00364
rs9900575	17	36561201	T	0.00965
rs1001191	17	36712002	T	0.00887
rs12449671	17	36725455	T	0.00636
rs9911630	17	38441868	A	0.01533
rs4793197	17	38485428	C	0.01141
rs799916	17	38496716	T	0.01441
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rs4520874	17	38771048	A	0.00352

rs4793229	17	38773860	T	0.01006
rs9646413	17	38781683	A	0.01237
rs4792990	17	38817755	T	0.00262
rs9748005	17	39002692	T	0.00661
rs556197	17	39065034	T	0.00673
rs7213436	17	39607689	G	0.00080
rs4239144	17	40319989	A	0.00709
rs4793172	17	40487006	T	0.00546
rs41467648	17	40510905	C	0.00623
rs1053733	17	40538554	C	0.00162
rs2083798	17	42276896	T	0.00962
rs2083797	17	42276928	A	0.00059
rs4968279	17	42285344	T	0.01240
rs16941306	17	42365551	T	0.01287
rs2292700	17	42717422	C	0.00816
rs17035	17	43255967	T	0.00198
rs2021752	17	43595262	A	0.01592
rs16953235	17	43599947	G	0.00203
rs3792692	17	43610091	T	0.01601
rs3897986	17	43616538	A	0.00868
rs2305433	17	43620432	C	0.01200
rs11652932	17	44052757	T	0.01023
rs11079856	17	44545771	C	0.01075
rs17636326	17	44572905	T	0.00265
rs6504617	17	45040049	G	0.00831
rs17712721	17	45097276	G	0.01433
rs2586498	17	45631251	A	0.00091
rs8075406	17	46104521	A	0.00514
rs9912472	17	47083999	T	0.00517
rs5022059	17	47097552	C	0.00306
rs16951051	17	47584392	G	0.01113
rs10514999	17	47655029	C	0.00440
rs1503051	17	47659318	C	0.01332
rs10515007	17	47750538	A	0.00463
rs1386269	17	47762776	G	0.01627
rs11080004	17	47802800	C	0.00804
rs4794347	17	47862591	T	0.00021
rs350011	17	47938582	A	0.00875
rs350016	17	47941885	T	0.01338
rs4794363	17	48034698	T	0.01230
rs954506	17	48040637	T	0.00728
rs2319988	17	48040777	T	0.00935
rs1492198	17	48051058	C	0.01422
rs2467486	17	48058862	A	0.01519

rs1492227	17	48072908	G	0.00742
rs2452247	17	48093607	A	0.01464
rs2452248	17	48093793	G	0.01568
rs1907667	17	48094974	A	0.01575
rs2452249	17	48096000	A	0.01562
rs10515023	17	48121473	G	0.00463
rs4329953	17	48165146	G	0.01667
rs4451995	17	48192021	G	0.00231
rs11871098	17	48196285	G	0.00889
rs10515026	17	48205748	C	0.00815
rs807072	17	48664476	A	0.01404
rs1607974	17	48666911	T	0.01293
rs9898437	17	48669406	C	0.00102
rs4271635	17	49239793	T	0.00858
rs16954302	17	49633313	C	0.00705
rs979800	17	49663220	C	0.00236
rs1396087	17	49667564	C	0.01566
rs2958872	17	50262885	G	0.01042
rs2934884	17	50273901	G	0.01386
rs11658131	17	50298397	T	0.00208
rs1013100	17	50628823	C	0.00305
rs17817743	17	50666251	G	0.01511
rs244401	17	50675059	A	0.01351
rs4794571	17	50800645	T	0.01301
rs6504972	17	50956167	A	0.01333
rs12940304	17	50962748	C	0.00707
rs1396214	17	50963972	T	0.00795
rs7220324	17	50976491	A	0.00602
rs1876520	17	50976704	G	0.01326
rs4239197	17	50978009	A	0.00762
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rs8080344	17	51004571	A	0.01545
rs7211277	17	51009466	A	0.01628
rs7211426	17	51009547	A	0.01085
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rs17819647	17	51021347	A	0.01391
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rs8079136	17	51262804	T	0.00130

rs6505061	17	51944619	C	0.01571
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rs887088	17	52113654	G	0.00964
rs3914803	17	52175286	A	0.01275
rs792402	17	52773732	A	0.00957
rs792387	17	52784443	C	0.01603
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rs8069761	17	52859940	A	0.01219
rs277067	17	52920675	G	0.00551
rs2586103	17	53233479	C	0.01108
rs3785489	17	53271570	G	0.00018
rs2003537	17	53966870	G	0.01348
rs7208331	17	56055974	G	0.00318
rs10853034	17	56939347	C	0.00976
rs12451501	17	57602509	G	0.01664
rs4968413	17	57618904	T	0.01232
rs4968414	17	57618993	A	0.01641
rs888500	17	57804047	T	0.00302
rs6504112	17	58034200	A	0.00991
rs2303575	17	59958641	G	0.01074
rs2676289	17	60136200	G	0.00043
rs16960881	17	60609580	T	0.00396
rs9915678	17	60684655	G	0.00432
rs17689972	17	60686487	G	0.00648
rs17763899	17	60731999	A	0.00753
rs9910773	17	60732937	T	0.01279
rs41390346	17	60754695	G	0.01471
rs16962248	17	60824816	A	0.01223
rs9910440	17	60878885	T	0.00528
rs9908987	17	60878953	C	0.00671
rs9912807	17	60916642	G	0.00324
rs7222221	17	61064830	C	0.00906
rs9903792	17	61777799	T	0.01099
rs956952	17	61948969	A	0.01404
rs16959508	17	61949724	G	0.01185
rs16959514	17	61952114	A	0.01379
rs4791017	17	62313154	G	0.01504
rs1005381	17	62367674	A	0.01555
rs4791003	17	62375734	A	0.00208
rs3764855	17	63756173	A	0.01324
rs12937830	17	63845903	C	0.00896
rs6501429	17	63905284	G	0.00789
rs2909218	17	63976141	C	0.00981
rs9909182	17	64312755	C	0.01362

rs2302133	17	64593327	G	0.00509
rs41496448	17	64702744	C	0.00054
rs1013996	17	65575226	A	0.00715
rs3760393	17	65581802	T	0.01230
rs10221235	17	65605507	G	0.00451
rs9898954	17	65726365	A	0.00146
rs17715597	17	65898815	T	0.01635
rs6501398	17	66017832	C	0.01169
rs10459889	17	66453810	A	0.01143
rs2367252	17	66612839	C	0.01032
rs1011729	17	66699182	A	0.01024
rs16976580	17	66884852	C	0.00250
rs16976604	17	66918722	T	0.01589
rs17766990	17	67046796	G	0.01078
rs11867831	17	67529503	T	0.00350
rs41446845	17	67730661	G	0.01657
rs11077623	17	68184295	C	0.00607
rs7503479	17	68306057	C	0.01105
rs17183225	17	68424032	T	0.01439
rs16977552	17	68763760	T	0.01352
rs2683165	17	69257571	A	0.00942
rs2683164	17	69257822	C	0.01105
rs11650448	17	69496127	A	0.01103
rs7406894	17	69565646	A	0.00616
rs6501689	17	69566767	C	0.01110
rs8073660	17	69813027	A	0.01222
rs4788843	17	70039686	T	0.00797
rs4789189	17	70909580	G	0.01465
rs6501805	17	70967523	C	0.01315
rs2278826	17	71674592	C	0.01229
rs11077873	17	72384500	G	0.00564
rs582096	17	72415372	G	0.00418
rs17609991	17	72540597	A	0.00842
rs7220979	17	74116045	C	0.00898
rs11654023	17	74467863	C	0.00992
rs8074370	17	74468926	A	0.00779
rs7223911	17	74743681	A	0.01666
rs4243244	17	75465682	A	0.01588
rs7213696	17	76335766	C	0.01453
rs2138125	17	76403084	G	0.00220
rs2289762	17	76473705	T	0.01539
rs11868024	17	77286571	T	0.01520
rs9674648	17	77690045	G	0.00365
rs7209788	17	78009203	C	0.00423

rs16942962	18	334459	C	0.01602
rs1471520	18	475410	A	0.01363
rs2219281	18	603020	T	0.00742
rs2846807	18	891686	A	0.00915
rs9954574	18	983637	G	0.01276
rs789073	18	998431	A	0.01278
rs1847722	18	1155853	A	0.00817
rs1826508	18	1196984	A	0.00383
rs754905	18	1814510	G	0.00127
rs482992	18	2069540	C	0.00500
rs670003	18	2228246	T	0.00193
rs689104	18	2664799	T	0.00225
rs614841	18	2840631	C	0.00409
rs613796	18	2862449	A	0.00689
rs10460009	18	2938029	T	0.01042
rs948298	18	3079522	G	0.00104
rs10468743	18	3454043	G	0.00551
rs1791375	18	3603827	T	0.00270
rs1791397	18	3646607	C	0.00198
rs3745050	18	3732572	G	0.01303
rs11873533	18	3732713	T	0.01259
rs1815957	18	3736382	C	0.00975
rs8085007	18	4014459	A	0.00582
rs1437622	18	4598852	A	0.01030
rs7243287	18	4646266	G	0.00621
rs11081144	18	4696335	T	0.01399
rs1940848	18	4700778	A	0.01265
rs4797180	18	4720655	A	0.01122
rs8091193	18	4720882	G	0.01601
rs16948141	18	5403815	C	0.00062
rs1719963	18	5541804	A	0.00252
rs8090286	18	5552155	C	0.00737
rs16949431	18	6095967	G	0.01332
rs403814	18	6272593	C	0.01250
rs1452539	18	6277726	G	0.01074
rs3898848	18	6284119	T	0.00802
rs17502069	18	6318558	A	16.37100
rs186884	18	6327489	C	0.01505
rs6506406	18	6522077	C	0.01513
rs1941509	18	6616372	T	0.00963
rs658121	18	6967044	G	0.01439
rs1790518	18	6967110	A	0.00797
rs686378	18	6968725	G	0.00842
rs607230	18	6970523	A	0.00435

rs8094220	18	7205275	G	0.00459
rs9966939	18	7214416	T	0.00996
rs11081339	18	7476992	A	0.00013
rs616019	18	7733140	A	0.00166
rs727951	18	7830668	C	0.01595
rs7239786	18	7937846	G	0.01571
rs11081349	18	7967468	C	0.01031
rs663105	18	8116599	G	0.01310
rs687245	18	8128090	C	0.00209
rs646684	18	8346972	A	0.01005
rs12457756	18	8491545	C	0.01057
rs12454304	18	8493565	T	0.00530
rs17582905	18	8558109	C	0.01371
rs12956492	18	8940560	T	0.00574
rs9973176	18	9019558	T	0.00308
rs6506633	18	9019580	T	0.01182
rs4797356	18	9139437	T	0.00252
rs745218	18	9541028	G	0.00588
rs9946612	18	9567981	A	0.00758
rs1031555	18	9751234	C	0.01190
rs11662690	18	9825796	C	0.01541
rs580428	18	10013675	T	0.00876
rs16956115	18	10019871	C	0.01456
rs7245342	18	10042043	T	0.01407
rs7232833	18	10177407	G	0.01214
rs206614	18	10321765	C	0.00329
rs547668	18	10466821	C	0.00540
rs12455464	18	10891807	C	0.00802
rs264271	18	10914184	T	0.01503
rs264270	18	10915419	T	0.00109
rs264268	18	10916135	G	0.01449
rs264263	18	10918393	A	0.01483
rs3246	18	11001381	C	0.00984
rs1471671	18	11003889	G	0.00283
rs2625358	18	11010599	C	0.01306
rs2584749	18	11029431	C	0.00082
rs9961728	18	11099184	G	0.01481
rs9950681	18	11206305	C	0.00809
rs2161961	18	11764500	A	0.00214
rs9303749	18	11792991	C	0.00398
rs2849395	18	12034410	A	0.01530
rs34518007	18	12425306	A	0.01436
rs1864532	18	12559486	C	0.00942
rs2542151	18	12769947	G	0.00646

rs2847297	18	12787694	G	0.01229
rs7234029	18	12867060	T	0.01099
rs12607152	18	13086403	C	0.01452
rs1284412	18	13542887	G	0.01370
rs8097240	18	13729959	G	0.00304
rs1942672	18	13736992	A	0.00180
rs11659762	18	13750954	T	0.01270
rs6505850	18	13839297	A	0.01232
rs948324	18	13842419	A	0.00777
rs1941092	18	13861956	C	0.01560
rs4800111	18	18059967	T	0.01352
rs16964883	18	18060812	T	0.00622
rs34069471	18	18236452	C	0.00864
rs17259667	18	19994190	C	0.00006
rs12709785	18	20148975	T	0.00147
rs2588567	18	20154446	G	0.00932
rs949317	18	20373827	T	0.01335
rs11873809	18	20539276	C	0.01402
rs17187933	18	20556033	C	0.01540
rs17203977	18	20653546	C	0.00759
rs1668839	18	20745294	T	0.01420
rs17798760	18	20813646	T	0.01570
rs6508341	18	20825396	C	0.00414
rs8090665	18	20841181	A	0.01441
rs1786732	18	21636779	G	0.00562
rs9966211	18	21650482	A	0.00215
rs2879282	18	21776530	T	0.00392
rs898864	18	22052167	G	0.01323
rs4614811	18	22320274	T	0.00091
rs1539814	18	22364136	C	0.00324
rs573845	18	22450928	A	0.00031
rs11663064	18	22621571	C	0.00027
rs16958776	18	22664983	A	0.00841
rs16943751	18	23402923	G	0.00277
rs16943845	18	23445921	G	0.00194
rs9949536	18	23459728	A	0.00343
rs7236484	18	23491009	A	0.00484
rs16943923	18	23493453	G	0.00274
rs1944294	18	23870449	T	0.01258
rs2140333	18	24241728	T	0.00956
rs11663444	18	24426085	A	0.01367
rs6508558	18	24482485	A	0.00250
rs1496478	18	24522961	T	0.01309
rs12955010	18	24964220	G	0.01471

rs8093176	18	25784705	A	0.01333
rs1404432	18	25906310	T	0.00783
rs16948053	18	26265288	A	0.00460
rs41326652	18	27153029	T	0.00353
rs16962700	18	27947520	G	0.00193
rs10502585	18	28053311	G	0.00620
rs9963993	18	28075158	G	0.01268
rs16962918	18	28095530	T	0.00846
rs16962971	18	28119201	T	0.00747
rs35779665	18	28211234	A	0.00798
rs10502599	18	28284188	A	0.01212
rs1426723	18	28394022	T	0.01600
rs12456916	18	28554107	T	0.01037
rs12456996	18	28554420	T	0.01338
rs12454409	18	28554509	G	0.00443
rs9675424	18	28642306	C	0.01438
rs271441	18	28943823	A	0.00758
rs7243667	18	29127683	G	0.01299
rs6507016	18	29181773	A	0.01282
rs6507040	18	29285278	T	0.00724
rs1389535	18	29564414	G	0.00966
rs9956918	18	29569876	G	0.00453
rs6507060	18	29576276	T	0.01531
rs9947894	18	29582718	T	0.01377
rs1565784	18	29612489	T	0.01049
rs12958029	18	29642678	A	0.01247
rs12457802	18	29643863	G	0.01506
rs4435332	18	29920866	A	0.01249
rs16965408	18	30376497	G	0.00997
rs566408	18	30919759	G	0.00877
rs1944323	18	31933579	C	0.00783
rs729394	18	32200578	G	0.00390
rs894775	18	33124749	G	0.00088
rs1786793	18	33261753	C	0.01649
rs10853440	18	33312662	T	0.00267
rs16969649	18	33911399	T	0.01515
rs8091939	18	33914511	A	0.00851
rs979433	18	33924324	C	0.00434
rs12150709	18	33927540	C	0.01618
rs9952844	18	33941894	A	0.00064
rs9950528	18	34016459	C	0.00708
rs1145558	18	34208002	C	0.00209
rs11665456	18	34283162	T	0.00443
rs9304191	18	34283363	A	0.01455

rs16970229	18	34287621	T	0.01025
rs867752	18	34290429	T	0.01509
rs16970360	18	34307641	A	0.01182
rs9947632	18	34316559	G	0.01542
rs890476	18	34356944	A	0.01232
rs11877551	18	34545845	T	0.00395
rs12969426	18	34677807	G	0.00777
rs1370193	18	36512481	G	0.01548
rs1941575	18	37078326	T	0.00273
rs11875967	18	37199733	C	0.00961
rs16974563	18	37214111	A	0.01271
rs346443	18	38200013	A	0.00395
rs12373388	18	38395988	A	0.01309
rs2878722	18	38437616	A	0.01518
rs7236977	18	38485488	C	0.00100
rs598658	18	38579747	C	0.00070
rs567325	18	38580258	C	0.00228
rs16977355	18	39014989	G	0.00743
rs672862	18	39276981	G	0.00056
rs16977675	18	39650092	G	0.00391
rs12458722	18	39650277	A	0.00490
rs1380834	18	39651882	C	0.00498
rs978490	18	40178035	T	0.00371
rs8087876	18	40269659	G	0.01606
rs16978001	18	40287441	C	0.01216
rs2063503	18	40291585	C	0.00627
rs7230479	18	40298960	T	0.01017
rs9957037	18	40302212	A	0.01290
rs2359894	18	40309270	G	0.01666
rs12605825	18	40322004	A	0.00942
rs12456054	18	40331423	G	0.01496
rs8084507	18	40340980	T	0.01469
rs16978185	18	40658036	G	0.00555
rs7228870	18	40779809	C	0.00678
rs537380	18	41567307	T	0.00504
rs7235217	18	42238423	G	0.01559
rs11873913	18	42270136	A	0.00037
rs17768724	18	42399301	G	0.01529
rs41471844	18	42545438	C	0.00739
rs8091926	18	43305157	A	0.00082
rs16954613	18	43335567	A	0.01097
rs4940159	18	43762177	C	0.00438
rs7504329	18	43860140	A	0.00669
rs6507802	18	43865465	G	0.01008

rs1873128	18	44195305	C	0.01414
rs4939776	18	44233865	G	0.00728
rs5029382	18	44235524	A	0.00616
rs1512177	18	44272557	G	0.01638
rs1564591	18	44533402	A	0.01407
rs8087872	18	44546971	G	0.00851
rs1994559	18	44586356	A	0.01364
rs833509	18	44782785	G	0.01482
rs4939846	18	44970083	A	0.00603
rs11661691	18	45024184	C	0.00731
rs11662738	18	45027558	A	0.01568
rs17660456	18	45939578	C	0.00668
rs1511155	18	45971240	A	0.01204
rs8085254	18	46036147	T	0.01246
rs2082347	18	47292109	G	0.01613
rs7231303	18	47317269	A	0.00798
rs7227533	18	47836342	T	0.01078
rs4423510	18	47962726	A	0.00526
rs12456856	18	47984154	C	0.00296
rs3910788	18	48100001	G	0.00940
rs17754011	18	48125662	A	0.00715
rs7240312	18	48157360	A	0.01289
rs948590	18	48378926	A	0.00913
rs4452042	18	48528882	A	0.00373
rs41331848	18	48606187	G	0.00556
rs7235008	18	48886811	T	0.01316
rs16956399	18	49015687	A	0.00326
rs4569360	18	49703051	G	0.01126
rs1978357	18	50701059	T	0.00926
rs784237	18	51567112	T	0.00522
rs17203781	18	52003906	A	0.00798
rs1789596	18	52003947	G	0.00546
rs12455746	18	52175640	T	0.01594
rs620024	18	52367467	T	0.00052
rs7237084	18	52746016	G	0.00051
rs9954313	18	52783500	G	0.01281
rs2849463	18	53205665	C	0.00406
rs4940804	18	53313517	T	0.00702
rs7235134	18	53340294	G	0.01396
rs7243988	18	53398452	A	0.01625
rs17759803	18	53666463	G	0.00717
rs3897751	18	53683532	C	0.00472
rs7232704	18	53739262	C	0.00195
rs12960285	18	53806455	C	0.01112

rs12960965	18	53973820	G	0.00696
rs486117	18	53982695	G	0.00474
rs8086176	18	54618100	G	0.01330
rs12969520	18	54694937	C	0.01440
rs17694691	18	54697058	C	0.01276
rs11872224	18	54730364	A	0.00941
rs922048	18	55027366	A	0.00322
rs2048884	18	55054133	T	0.00168
rs8088790	18	55230517	G	0.01528
rs9319950	18	55238263	A	0.01358
rs7230906	18	55249616	G	0.00937
rs632248	18	55306738	A	0.01281
rs1429577	18	55508632	T	0.01253
rs2852356	18	55511113	G	0.01022
rs17700926	18	56182895	C	0.00643
rs520432	18	56325505	T	0.01015
rs881474	18	56338128	T	0.00718
rs17067050	18	56362278	C	0.00319
rs579054	18	56374311	G	0.00001
rs12455952	18	56991498	T	0.00982
rs17068170	18	57145389	C	0.00171
rs2159595	18	57231116	C	0.00546
rs9783862	18	57350414	T	0.00776
rs11875000	18	57357460	C	0.01555
rs10469239	18	57551453	G	0.01041
rs9960910	18	57623326	A	0.00303
rs9963722	18	57627449	C	0.01547
rs948783	18	57733482	G	0.00134
rs2116334	18	57798480	A	0.00018
rs1346949	18	57798816	A	0.01555
rs1431583	18	57811523	A	0.00521
rs1431584	18	57811870	C	0.01643
rs1030582	18	57886440	T	0.00140
rs17634631	18	57886973	T	0.01116
rs9319997	18	57925017	C	0.00471
rs17641823	18	57927708	T	0.00716
rs17069686	18	58092234	G	0.00439
rs2980973	18	58228744	T	0.01186
rs17729447	18	58317240	C	0.00596
rs2053600	18	58586761	A	0.00516
rs611263	18	59441237	G	0.01182
rs1522725	18	59555590	A	0.00265
rs4941238	18	59855507	A	0.00290
rs4493166	18	60000627	C	0.00611

rs778771	18	60600790	G	0.00101
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rs7244664	18	61626782	C	0.01564
rs1994230	18	61627079	A	0.00994
rs205084	18	61736852	G	0.01627
rs41391050	18	61791104	A	0.00361
rs4283324	18	62246545	T	0.01238
rs512660	18	62455640	G	0.00421
rs41531148	18	62470551	A	0.01018
rs370944	18	63405367	C	0.00658
rs519360	18	63641058	T	0.00846
rs2000748	18	64266988	A	0.01131
rs2665375	18	64471274	C	0.00578
rs1893438	18	64662990	G	0.01531
rs1539896	18	64663123	G	0.01468
rs8099382	18	64696866	T	0.01233
rs1154907	18	65030427	A	0.01260
rs4513200	18	65399549	G	11.50100
rs4605265	18	65406612	C	0.00653
rs8088698	18	66074263	G	0.00248
rs1510045	18	66498522	C	0.00912
rs2221605	18	66722094	T	0.00901
rs11151627	18	66817893	A	0.01082
rs17181300	18	66933645	G	0.00264
rs8098181	18	67014919	C	0.00088
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rs17277846	18	67023434	T	0.00284
rs17193525	18	67045771	C	0.00328
rs17281295	18	67097075	C	0.01063
rs7229385	18	67508569	C	0.01433
rs8094687	18	67591733	T	0.00650
rs17225992	18	67593046	A	0.00980
rs8083283	18	68150905	A	0.00510
rs11151792	18	68555607	A	0.00033
rs2469032	18	68900356	A	0.00938
rs11661950	18	68926719	T	0.00563
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rs1503024	18	68942375	A	0.01223
rs17751492	18	69259633	G	0.00376
rs2703496	18	69452130	T	0.01250
rs8095367	18	69473486	G	0.00956
rs4892122	18	69473702	C	0.01072
rs17763239	18	69473773	A	0.00504
rs17763263	18	69473889	T	0.00284

rs6566752	18	69478734	T	0.00970
rs8092542	18	69498117	T	0.00926
rs9953978	18	69498407	C	0.00214
rs1560435	18	69743651	G	0.00592
rs4892163	18	69776553	A	0.00836
rs8087590	18	69885704	G	0.00486
rs12953403	18	70015084	T	0.00727
rs8182439	18	70026851	A	0.00772
rs7236071	18	70143274	A	0.01288
rs4892204	18	70202402	C	0.00703
rs2278154	18	70254762	G	0.00350
rs2346061	18	70351512	A	0.00718
rs9950997	18	71023637	G	0.01137
rs9949463	18	71076264	C	0.00177
rs17211841	18	71333707	G	0.00331
rs1460280	18	71628170	G	0.01346
rs11659458	18	71629102	G	0.01108
rs7239549	18	71632405	G	0.00738
rs4387675	18	71634911	C	0.00343
rs2187254	18	71635578	A	0.01147
rs7245337	18	71846998	C	0.01223
rs11150924	18	71852221	A	0.01451
rs17058719	18	71869249	T	0.00306
rs724880	18	71944272	C	0.00249
rs12969990	18	71982132	A	0.00973
rs10514206	18	71984454	T	0.01236
rs11875775	18	71985061	A	0.01590
rs7226718	18	72105439	G	0.00242
rs17059667	18	72466629	A	0.01398
rs8083046	18	72603831	G	0.00362
rs4890871	18	72613722	T	0.01316
rs2406342	18	72617268	T	0.00530
rs8088596	18	72620941	C	0.01391
rs1789114	18	72985760	T	0.00572
rs2051408	18	72989671	G	0.00527
rs1789101	18	72995306	A	0.00925
rs165152	18	73477482	T	0.01025
rs4890980	18	73493301	G	0.01608
rs1509794	18	73545515	C	0.00772
rs1011233	18	74416249	T	0.01045
rs11081641	18	74518948	G	0.01058
rs2931057	18	74530754	C	0.00304
rs4799232	18	74706295	A	0.00887
rs6506808	18	76001711	C	0.01480

rs2030336	18	76037763	T	0.01531
rs6506819	18	76103230	A	0.00245
rs12456851	18	76115554	G	0.01132
rs11084928	19	228776	A	0.01251
rs4919850	19	507632	C	0.01059
rs10415976	19	892603	T	0.00345
rs8103188	19	1054465	A	0.00920
rs873289	19	1126396	T	0.01616
rs8109669	19	1867450	G	0.00789
rs35391608	19	2097066	C	0.01180
rs7249235	19	2193829	A	0.01070
rs12610522	19	2364228	T	0.00829
rs10424034	19	2533154	T	0.00961
rs4806891	19	2898152	A	0.00700
rs4807470	19	3394470	A	0.00156
rs8112148	19	5524344	C	0.00816
rs3097891	19	5694824	A	0.00509
rs3787056	19	6193806	G	0.00801
rs2241394	19	6636230	G	0.00044
rs6512109	19	9380453	A	0.00043
rs10439163	19	10506495	C	0.00780
rs435368	19	11745524	A	0.00769
rs799193	19	11752003	T	0.00752
rs448446	19	11803254	G	0.01262
rs12052059	19	13216068	G	0.00061
rs12611029	19	13216633	G	0.00516
rs2302080	19	13217380	G	0.00544
rs1547984	19	13474965	A	0.01661
rs10409198	19	13749347	G	0.01540
rs682765	19	15562078	T	0.00490
rs2733762	19	15638409	T	0.01576
rs4808415	19	15901766	A	0.00408
rs773916	19	16717864	T	0.00314
rs10413542	19	17649940	C	0.01487
rs432392	19	18016041	C	0.00348
rs11086101	19	18228816	A	0.01029
rs17711565	19	18268643	T	0.00953
rs2057649	19	18550830	G	0.01473
rs6511018	19	19047705	G	0.01052
rs11668620	19	19079490	C	0.00820
rs1050544	19	19148901	G	0.01219
rs3787040	19	19158292	G	0.01193
rs2011503	19	19304986	T	0.00199
rs247796	19	19717139	A	0.01664

rs10411195	19	19897176	T	0.00505
rs431157	19	20806839	A	0.01127
rs9304978	19	20949730	A	0.00719
rs7254957	19	21182564	T	0.00921
rs279807	19	21257662	T	0.01560
rs8104675	19	21683783	A	0.01575
rs16999432	19	22564487	T	0.01589
rs12973782	19	22696967	C	0.00507
rs12980129	19	22700751	C	0.00602
rs2195962	19	23531320	C	0.00825
rs2217662	19	23534946	A	0.01662
rs10417223	19	23620564	G	0.00008
rs12462134	19	24042668	T	0.00665
rs8111283	19	33005870	A	0.01007
rs12976900	19	34128849	G	0.01226
rs12975753	19	34193380	T	10.45500
rs17686149	19	34395197	T	0.00784
rs12460892	19	34456548	A	0.00783
rs6509333	19	34468249	T	0.01212
rs759632	19	34472578	T	0.01314
rs10406799	19	34475403	T	0.00814
rs11083894	19	34476307	C	0.00982
rs17624382	19	34480470	C	0.01303
rs4805419	19	34665208	T	0.00970
rs16963567	19	35147120	T	0.00782
rs1125867	19	35547491	T	0.01448
rs4805632	19	36034752	G	0.00351
rs8107562	19	36363983	A	0.00818
rs1353534	19	36372570	T	0.01440
rs1353535	19	36372820	T	0.00110
rs8109968	19	36398251	G	0.00370
rs7250559	19	36815751	G	0.00835
rs10426491	19	37234862	A	0.00331
rs4805724	19	37292850	A	0.00887
rs7251402	19	37418474	C	0.00855
rs2287680	19	38300406	A	0.00851
rs1428669	19	38762105	C	0.00222
rs7255249	19	38786025	C	0.01504
rs4805930	19	38905294	C	0.00856
rs8109447	19	39224676	G	0.01653
rs4806003	19	39443146	G	0.01553
rs10419491	19	39874797	C	0.01014
rs4372809	19	39908149	A	0.00711
rs2546024	19	40143170	G	0.00480

rs16970293	19	40590481	C	0.00761
rs4805131	19	40789137	T	0.01411
rs10500279	19	43726908	G	0.01636
rs2960321	19	43740003	A	0.01654
rs6508826	19	44117562	C	0.00676
rs1034867	19	44910784	C	0.00151
rs3922314	19	44958527	C	0.00121
rs591505	19	45377815	A	0.01060
rs2303723	19	45922835	A	0.00853
rs7251950	19	46174582	A	0.01457
rs10407348	19	46645270	C	0.01587
rs7251960	19	46997883	A	0.00599
rs1195296	19	47368321	C	0.00280
rs2854508	19	48768004	T	0.01567
rs2191566	19	49203229	C	0.00488
rs7250439	19	49302344	G	0.00825
rs16979266	19	49744084	G	0.01073
rs846885	19	49802255	G	0.01415
rs371657	19	51629571	C	0.00726
rs11673207	19	52486521	G	0.00836
rs274876	19	53372780	T	0.00914
rs2638283	19	53932963	A	0.00564
rs12104272	19	54839864	A	0.01593
rs3170545	19	55128527	C	0.00255
rs11883067	19	55232283	T	0.00866
rs8103659	19	56077214	G	0.00722
rs1122466	19	56183276	G	0.01093
rs3826656	19	56418425	G	0.00909
rs1551158	19	56771813	A	0.00498
rs4802919	19	57490680	G	0.01375
rs10426347	19	58604054	C	0.00595
rs10422163	19	58686614	A	0.00427
rs10411772	19	58740763	C	0.01306
rs16960015	19	58741116	T	0.00281
rs953751	19	58746598	T	0.01196
rs11672056	19	59679872	C	0.00695
rs41514951	19	59681854	G	0.01194
rs1749296	19	59892210	T	0.00725
rs11671922	19	60227101	A	0.00826
rs4801624	19	60957621	A	0.00592
rs10426177	19	60960908	T	0.01182
rs6509975	19	61165272	G	0.01292
rs379192	19	61262009	T	0.01342
rs12709959	19	61660126	A	0.01271

rs10405702	19	61760798	G	0.01464
rs9967637	19	61942710	C	0.00438
rs6510070	19	62653424	T	0.00252
rs7247474	19	62658274	A	0.01207
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rs10414608	19	62773680	G	0.00778
rs10405036	19	62784856	T	0.00371
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rs16983952	20	2262610	T	0.01263
rs2422740	20	2302886	A	0.00517
rs2422741	20	2303387	T	0.01476
rs2038246	20	2575370	T	0.00304
rs8125955	20	2967957	T	0.00249
rs6138990	20	2970618	A	0.00583
rs4813669	20	4040860	T	0.01239
rs1765003	20	4083849	A	0.00015
rs297690	20	4374656	G	0.00506
rs6139427	20	4380150	G	0.00060
rs2245220	20	4653718	T	0.01002
rs2422975	20	4710869	G	0.00023
rs16990301	20	4783415	A	0.01182
rs7273837	20	5237481	C	0.00110
rs6085118	20	5274616	C	0.01607
rs10485491	20	5376663	G	0.01115
rs805730	20	5647265	A	0.00047
rs1287079	20	5821144	T	0.00216
rs6054006	20	6158644	A	0.01050
rs6038399	20	6187082	A	0.01050
rs6117259	20	6368731	G	0.00120
rs6085671	20	6673829	C	0.01215
rs6140264	20	7324354	C	0.00584
rs6055172	20	7539005	G	0.00686
rs6133443	20	7539377	A	0.00077
rs17403161	20	7578428	T	0.01339
rs729944	20	7636055	T	0.00267
rs6055889	20	8465505	A	0.00876
rs6056523	20	9240176	T	0.01259
rs6086852	20	9281616	C	0.01245
rs6056690	20	9475353	T	0.01517
rs747996	20	9576822	C	0.00630

rs2092382	20	9727927	G	0.00386
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rs6074184	20	10690290	A	0.00094
rs6078023	20	10969917	A	0.00609
rs209939	20	10974397	C	0.01117
rs2423542	20	11042509	A	0.00872
rs6040446	20	11156822	A	0.01311
rs2327367	20	11180291	T	0.00731
rs6040477	20	11180689	G	0.01388
rs8119263	20	11281035	C	0.00077
rs2180286	20	11445272	C	0.00682
rs6104763	20	11448108	T	0.01282
rs714235	20	11538160	C	0.01377
rs2223712	20	11903659	G	0.00248
rs972047	20	12333222	A	0.00089
rs6078631	20	12429269	C	0.01615
rs17225893	20	12429805	G	0.01182
rs10485757	20	12438269	G	0.00525
rs6041427	20	12453962	G	0.01396
rs6041542	20	12609944	A	0.01281
rs6109532	20	12671173	G	0.00761
rs646334	20	12939639	T	0.01223
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rs6135542	20	15733801	T	0.00773
rs16996627	20	15756549	A	0.01413
rs6080069	20	15905780	G	0.00035
rs7273081	20	16074098	A	0.00009

rs16997388	20	16163763	G	0.00934
rs6043844	20	16199668	G	0.00884
rs4814533	20	16597513	A	0.00205
rs6044450	20	16788158	T	0.00046
rs6034740	20	17034061	T	0.00553
rs761018	20	17405674	T	0.00578
rs6044845	20	17413213	C	0.01022
rs1076688	20	17419061	A	0.00458
rs6080801	20	17652776	G	0.00697
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rs4814660	20	17728260	C	0.00981
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rs6046024	20	19294184	C	0.01563
rs6075513	20	19396935	T	0.00430
rs6046236	20	19596143	A	0.00050
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rs6046295	20	19675038	G	0.00339
rs17371935	20	19754241	G	0.01183
rs6046528	20	19932467	G	0.00881
rs200184	20	19999890	T	0.01179
rs6136938	20	20006992	A	0.01423
rs1000269	20	20246483	G	0.01328
rs6046790	20	20251376	G	0.01469
rs17735720	20	20888051	C	0.01593
rs6137189	20	20890571	G	0.01657
rs1024207	20	21539481	A	0.00074
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rs2424400	20	21662807	A	0.00676
rs8122229	20	21772282	G	0.00854
rs2328682	20	21866288	T	0.01577
rs201149	20	22038387	T	0.00237
rs804516	20	22063729	T	0.01390
rs6048024	20	22256842	C	0.00530
rs6048084	20	22364829	A	0.01421
rs6048105	20	22384129	G	0.00906
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rs2404492	20	22723615	A	0.00678
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rs6083237	20	23656965	T	0.01189
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rs6049299	20	23931042	T	0.00793
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rs6036642	20	24027492	C	0.00594
rs6049453	20	24088355	T	0.01105
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rs8116594	20	24107081	C	0.00869
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rs2749424	20	24135337	C	0.00984
rs6049549	20	24182028	T	0.01581
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rs6049811	20	24537790	G	0.01339
rs1985485	20	24963492	C	0.00389
rs2387577	20	24996940	G	0.01529
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rs2387578	20	25044494	G	0.01506
rs6119442	20	29548076	G	0.00739
rs4911252	20	30793776	G	0.01064
rs2424895	20	30799639	T	0.01194
rs6087449	20	31184291	T	0.00949
rs6141903	20	31313082	G	0.01240
rs6088174	20	31368333	G	0.00317
rs4911146	20	32103708	C	0.01269
rs6087625	20	32806138	A	0.00012
rs6119536	20	32913702	G	0.00752
rs1624888	20	35182308	G	0.01644
rs2076398	20	35261096	T	0.00271
rs2272950	20	35271786	A	0.00653
rs6020113	20	35736459	G	0.01612
rs16986890	20	35759937	A	0.00441
rs6020846	20	35839081	T	0.00793
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rs6092006	20	36242583	A	0.01256
rs1474669	20	36250565	T	0.00360
rs877600	20	36296454	C	0.00265
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rs4287822	20	36354924	A	0.01016
rs6100336	20	36652968	A	0.00572
rs2179318	20	37060677	C	0.01556
rs6028332	20	37270725	A	0.01508
rs6124140	20	37396596	T	0.01095
rs805944	20	37695132	G	0.00833
rs211883	20	37845109	T	0.01627
rs6065202	20	38144694	T	0.01041
rs6101972	20	38470085	T	0.00584
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rs6102017	20	38588283	C	0.01325

rs11908206	20	38600118	T	0.01651
rs6029178	20	38611971	G	0.01405
rs17820549	20	38656901	A	0.00398
rs761370	20	38735071	T	0.00029
rs6029669	20	39480359	C	0.01639
rs6093496	20	39629468	G	0.00303
rs7263463	20	39677351	C	0.00408
rs1883377	20	40234897	A	0.00486
rs6093598	20	40291139	C	0.01461
rs6030070	20	40292402	T	0.01396
rs6030071	20	40292464	C	0.00498
rs1014757	20	40295037	C	0.00173
rs6030076	20	40296596	A	0.00429
rs6072667	20	40302467	C	0.01246
rs6030096	20	40321219	A	0.00379
rs6030124	20	40371421	G	0.00753
rs6072747	20	40505433	A	0.00336
rs6016798	20	40508810	T	0.01480
rs6030274	20	40551509	T	0.01256
rs6030456	20	40808754	C	0.00771
rs208229	20	40895007	C	0.00722
rs4812665	20	41046640	T	0.00705
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rs6031097	20	41840942	C	0.00503
rs1536918	20	41842957	G	0.01512
rs6031165	20	41904898	T	0.01446
rs3746566	20	41956979	G	0.01313
rs743152	20	42003325	C	0.01290
rs6073269	20	42042971	G	0.01441
rs6017252	20	42112605	T	0.01512
rs6065705	20	42174528	A	0.00919
rs16988852	20	42275043	T	0.00902
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rs2057242	20	42845911	C	0.00073
rs41348454	20	43253309	A	0.00528
rs6073746	20	43528383	A	0.00672
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rs11906879	20	44024731	T	0.00093
rs16985435	20	44101338	T	0.01062
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rs6122713	20	46728448	G	0.01442
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rs11086294	20	47844836	A	0.01304
rs6012881	20	48277772	A	0.01381
rs230002	20	49166025	G	0.00271
rs2426299	20	49451402	T	0.00948
rs6067758	20	49457455	A	0.01132
rs747062	20	49535539	C	0.00310
rs1546920	20	49634189	C	0.01438
rs1048878	20	49646660	A	0.00940
rs6123073	20	49771095	T	0.00810
rs2426403	20	49791124	A	0.01083
rs6021427	20	49819497	A	0.00713
rs6021453	20	49854755	C	0.00155
rs6021460	20	49860267	A	0.01394
rs6063719	20	49873461	G	0.00353
rs6021501	20	49902951	A	0.01339
rs17730415	20	49971215	G	0.00317
rs6096889	20	50391244	G	0.00151
rs6022002	20	50669622	A	0.00018
rs861332	20	50697689	A	0.01610
rs6123232	20	51003913	G	0.00472
rs6022221	20	51072917	C	0.01578
rs1467428	20	51106390	T	0.00047
rs6091633	20	51139407	A	10.36700
rs6013646	20	51248380	A	0.00417
rs6126919	20	51733766	C	0.01619
rs2041317	20	51797014	C	0.01329
rs6022811	20	51912882	T	0.00141
rs210068	20	52159698	T	0.00193
rs455731	20	52870424	G	0.01341
rs6098293	20	52908663	G	0.01499
rs159094	20	53068550	T	10.78700
rs6023981	20	53301625	G	0.01049
rs2206897	20	53363883	T	0.01124
rs214388	20	53519449	T	0.00870
rs584635	20	53671210	T	0.00654

rs1550194	20	53964926	A	0.00943
rs6014619	20	54179544	C	0.01004
rs6123569	20	54261178	A	0.00161
rs6014688	20	54336197	A	0.00279
rs6024830	20	54371614	T	0.01289
rs6099129	20	54402046	A	0.00936
rs3975198	20	54831523	T	0.01627
rs4811769	20	54878364	C	0.00325
rs1276367	20	55028093	G	0.00098
rs11697631	20	55141325	C	0.00131
rs6070068	20	55352684	C	0.01638
rs6025742	20	55732097	G	0.01580
rs6025822	20	55848540	G	0.01076
rs6026060	20	56128988	C	0.00545
rs6026122	20	56202490	G	0.01645
rs514706	20	56249284	T	0.00492
rs1980576	20	56479073	A	0.01000
rs1977137	20	56636409	G	6.55000
rs6026415	20	56637435	A	0.01028
rs1569823	20	56639242	C	0.01103
rs4812034	20	56830961	G	0.01017
rs7267048	20	57567610	T	0.01147
rs2426791	20	57595448	C	0.01428
rs1040797	20	57703423	A	0.01538
rs1416390	20	57717865	G	0.01303
rs6027337	20	58145873	C	0.00210
rs2865790	20	58158914	G	0.00654
rs1535028	20	58247823	A	0.00485
rs4305329	20	58363322	T	0.00002
rs17199686	20	58441057	A	0.01656
rs1201888	20	58690252	A	0.01372
rs1201904	20	58706127	G	0.00858
rs1201987	20	58736287	A	0.00750
rs1201998	20	58740471	A	0.01452
rs1202001	20	58740936	G	0.01611
rs1202016	20	58743888	C	0.01441
rs1202030	20	58748486	G	0.01459
rs1202031	20	58748522	T	0.01615
rs2096400	20	58777455	C	0.00361
rs6124038	20	58957572	C	0.01220
rs6129015	20	59046308	T	0.00133
rs4812258	20	59064296	C	0.00394
rs2093154	20	59071337	A	0.00370
rs17732362	20	59118539	G	0.00027

rs6089247	20	59402927	A	0.00438
rs1891775	20	59592913	C	0.00240
rs6121726	20	59617642	G	0.01188
rs6089810	20	61001027	A	0.01001
rs6011456	20	61001169	G	0.01327
rs6010784	20	61010764	C	0.01127
rs4809436	20	61021955	T	0.00161
rs816943	20	62146453	A	0.01178
rs2822577	21	14627425	G	0.00083
rs2049858	21	14807145	G	0.01207
rs1556280	21	14807690	A	0.00338
rs2822998	21	15285230	C	0.00900
rs2823053	21	15387020	G	0.00245
rs2823119	21	15469515	C	0.01002
rs2823231	21	15608409	C	0.01248
rs1297268	21	15740038	G	0.00192
rs2037994	21	15880541	C	0.00607
rs2297248	21	16125656	A	0.00135
rs2823507	21	16147899	G	0.01385
rs11911879	21	16248572	G	0.00305
rs2823607	21	16378484	G	0.00517
rs2823626	21	16470310	T	0.00996
rs2823736	21	16580133	G	0.00893
rs2824057	21	17099043	C	0.00156
rs2824082	21	17135016	T	0.00238
rs11701807	21	17230025	C	0.00257
rs2824160	21	17287224	T	0.00891
rs2824201	21	17346621	G	0.01434
rs7276331	21	18209236	C	0.01465
rs2824545	21	18210063	A	0.00034
rs2824549	21	18212104	T	0.01073
rs2824550	21	18212130	T	0.01324
rs2824571	21	18237813	T	0.01644
rs12626848	21	18246644	T	0.01449
rs962868	21	18254668	A	0.01436
rs17698445	21	18573228	G	0.00181
rs2824852	21	18786933	C	0.00457
rs2210230	21	18849904	C	0.01081
rs1740142	21	18853412	C	0.00323
rs2824918	21	18878732	A	0.01045
rs1735798	21	18878920	T	0.01375
rs2824946	21	18896937	G	0.00974
rs2824957	21	18914694	A	0.00157
rs1537075	21	19330009	A	0.00288

rs2406882	21	19359568	G	0.00521
rs2051365	21	19483092	T	0.00168
rs2825446	21	19551215	G	0.00539
rs2825545	21	19664061	T	0.00830
rs2826077	21	20490584	G	0.00190
rs2407647	21	20631007	T	0.00695
rs1482415	21	20978977	A	0.00537
rs463419	21	21050970	C	0.00797
rs2826509	21	21067008	T	0.00737
rs9983966	21	21138990	G	0.01018
rs8131899	21	21317961	T	0.01576
rs9983588	21	21318244	T	0.00795
rs8128372	21	21349346	A	0.00626
rs7278655	21	21863305	G	0.00307
rs41499345	21	21873271	G	0.01033
rs2827061	21	22108903	G	0.01157
rs2827076	21	22118120	T	0.00020
rs2827077	21	22118163	C	0.01410
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rs2827091	21	22142443	G	0.01272
rs2827185	21	22280956	A	0.01599
rs2827186	21	22281407	C	0.00125
rs9976697	21	22361145	A	0.00355
rs2827482	21	22698343	C	0.00334
rs2827497	21	22704579	C	0.00829
rs2827511	21	22709066	A	0.00699
rs2026214	21	22710258	C	0.01335
rs11911777	21	23126095	A	0.00383
rs2827909	21	23442973	A	0.00372
rs2827912	21	23443841	G	0.00780
rs2827915	21	23444664	G	0.01295
rs200710	21	23735278	G	0.01458
rs2828183	21	23761888	A	0.00571
rs2828400	21	23962554	A	0.01404
rs41508448	21	24021053	A	0.00172
rs2000488	21	24588085	C	0.01475
rs2186438	21	24792561	G	0.00213
rs2860156	21	24894439	C	0.00472
rs9753823	21	25145535	A	0.01402
rs6516671	21	25727997	G	0.01487
rs2829769	21	25759286	A	0.00215
rs4816263	21	26131381	C	0.00987
rs1505455	21	26134691	C	0.01089
rs11087985	21	26260130	C	0.00920

rs8132767	21	26610103	G	0.01566
rs9974283	21	26713128	T	0.00861
rs2409192	21	27030745	A	0.00331
rs17560766	21	27049363	G	0.00871
rs229060	21	27206861	A	0.01240
rs9977138	21	27948923	G	0.01242
rs1888433	21	27954964	G	0.00846
rs243741	21	28015624	T	0.00660
rs2831138	21	28021938	T	0.00559
rs2409292	21	28352843	A	0.00350
rs16982350	21	28699240	C	0.00600
rs2831921	21	28884481	G	0.00207
rs2026242	21	29161798	G	0.01520
rs1048546	21	29166748	T	0.01066
rs2254638	21	29178154	A	0.01462
rs2248501	21	29198282	A	0.00867
rs2832137	21	29201887	A	0.01207
rs2832147	21	29266813	A	0.00284
rs8129616	21	29441956	T	0.00678
rs8132759	21	29512822	T	0.00584
rs1029224	21	29932927	T	0.00485
rs2249140	21	29939211	A	0.00669
rs11088125	21	29945889	G	0.00249
rs363515	21	29964388	C	0.00110
rs459617	21	30062624	T	0.01472
rs455804	21	30068040	G	0.00944
rs932250	21	30073388	A	0.00145
rs1789237	21	30353978	C	0.00724
rs554895	21	30507226	T	0.00760
rs2833336	21	31503585	G	0.01184
rs1977904	21	31589767	G	0.00025
rs2284502	21	31669620	G	0.01279
rs2833405	21	31716506	C	0.01183
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rs2833653	21	32393390	G	0.01565
rs2833864	21	32810264	C	0.01469
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rs2833980	21	33145158	C	0.00527
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rs2246640	21	35040142	A	0.01115
rs2834626	21	35045042	T	0.00230
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rs2834643	21	35108266	G	0.01126
rs13047845	21	35156070	T	0.01524
rs41360844	21	35403341	G	0.01168
rs12152004	21	35633660	C	0.00326
rs2834941	21	35763116	G	0.01108
rs2834965	21	35844297	A	0.00566
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rs7281993	21	35994009	G	0.00931
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rs8134233	21	36740941	G	0.01187
rs2249115	21	36771109	T	0.00248
rs8133274	21	37369254	A	0.00686
rs717859	21	37934672	G	0.00329
rs2835850	21	37934847	A	0.00680
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rs7281540	21	39497183	C	0.00665
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rs1984748	21	39591768	C	0.00867
rs8131150	21	39599185	G	8.60200
rs2836993	21	39658343	A	0.00594
rs12627448	21	39826812	A	0.00159
rs551558	21	39843109	T	0.00278
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rs2837193	21	40063722	G	0.01287
rs16998521	21	40087288	T	0.00297
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rs2837472	21	40456382	A	0.01178
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rs444584	21	40517596	C	0.01114

rs376508	21	40518055	G	0.00792
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rs435386	21	40520243	A	0.00368
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rs4818122	21	40543968	A	0.01153
rs2837534	21	40544164	C	0.00771
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rs2837756	21	40917744	A	0.01367
rs9984187	21	41067495	C	0.01322
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rs2838008	21	41606914	A	0.01377
rs9985079	21	41609006	G	0.00193
rs9984523	21	41805901	A	0.00954
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rs2247788	21	41940314	C	0.01536
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rs928874	21	42295594	T	0.00871
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rs229347	21	43672498	G	0.01485
rs2838325	21	43838712	A	0.00665
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rs4818873	21	44193313	T	0.00821
rs11088961	21	44985089	A	0.01416
rs2838806	21	45443029	T	0.01337
rs7282214	21	45876985	G	0.00530
rs877746	21	46434159	G	0.01356
rs2254524	21	46438897	C	0.00489
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rs9617982	22	16172740	T	0.00595
rs2078734	22	16281683	A	0.00081
rs4819596	22	16370606	C	0.01191
rs5747306	22	16508960	C	0.00909
rs2401163	22	16511078	C	0.00834
rs2587081	22	16563623	C	0.01546
rs11538	22	16600831	G	0.01592
rs5992861	22	16687634	A	0.01255
rs5992871	22	16690110	A	0.01316
rs2073738	22	17550956	T	0.00637
rs1985884	22	18023245	T	0.00487

rs4819519	22	18116003	A	0.01216
rs887200	22	18343666	G	0.01037
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rs9612272	22	21944026	A	0.00864
rs5759867	22	22185522	T	0.00976
rs6004064	22	22848728	G	0.00576
rs8139439	22	22862142	C	0.00608
rs2267062	22	22874482	G	0.00183
rs5760687	22	23547890	T	0.00494
rs139756	22	23635370	T	0.00728
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rs9624915	22	24563343	A	0.01657
rs4822663	22	24564918	C	0.01646
rs5752242	22	24634057	A	0.00314
rs13057714	22	24692534	A	0.00266
rs916425	22	24718337	C	0.01529
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rs9613081	22	24734101	C	0.00006
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rs16981767	22	25058967	G	0.00519
rs1000815	22	25161077	G	0.00321
rs136543	22	25580786	A	0.00626
rs11090463	22	25707569	T	0.01151
rs4820729	22	25780510	T	0.01637
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rs16984323	22	26065575	T	0.00851
rs136950	22	26138186	A	0.00809
rs9625252	22	26240138	T	0.01167
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rs8140987	22	26253399	C	0.00167
rs1884291	22	26293416	T	0.00337
rs134028	22	26378449	C	0.00324
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rs2530678	22	28411715	T	0.01419
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rs8141656	22	29070148	C	0.00269
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rs17683310	22	30807445	A	0.01318
rs5753966	22	31045559	T	9.68700
rs1109364	22	31186594	A	0.00251
rs3213515	22	31234927	G	0.00331
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rs4821103	22	31502612	T	0.01407
rs137547	22	31641455	C	0.01277
rs12484058	22	31760898	G	0.01638
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rs130250	22	32038680	T	0.00321
rs1004811	22	32139429	G	0.01129
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rs4821197	22	32655300	G	0.00698
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rs387332	22	32880905	A	0.00679
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rs4423	22	33199196	G	0.00360
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rs5755575	22	33821969	G	0.00663
rs1573763	22	33850076	A	0.01456
rs5750093	22	34014533	C	0.01420
rs470109	22	34249783	A	0.00820
rs5995222	22	34846890	T	0.00513
rs1476029	22	34847878	A	16.82700
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rs132644	22	34875772	A	0.01648
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rs4821460	22	34885418	C	0.01643
rs6519032	22	35439255	G	0.00580
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rs727047	22	36007665	G	0.00146
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rs126228	22	38011382	G	0.01133
rs137960	22	38631426	A	0.00372
rs4822050	22	40507399	C	0.00348

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rs4820494	22	41635805	C	0.00340
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rs1883264	22	41839790	G	0.01600
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rs7292762	22	45246945	G	0.01079
rs6008939	22	45416745	C	0.01080
rs5769346	22	45839347	C	0.00699
rs5767489	22	45879447	A	0.01234
rs136646	22	46043258	A	0.01647
rs80454	22	46043490	A	0.01666
rs4823640	22	46184860	C	0.00435
rs6008214	22	46223455	C	0.00676
rs11090798	22	46649430	G	0.00316
rs6008438	22	46658741	T	0.00484
rs8137558	22	46989892	C	0.00703
rs9615801	22	46990410	G	0.01613
rs9615287	22	46990520	G	0.01235
rs7287281	22	46997362	C	0.00813
rs133666	22	47105923	G	0.01125

rs16999333	22	47304733	C	0.00525
rs6009160	22	47868868	G	0.00853
rs9616423	22	47872695	G	0.00562
rs7288663	22	48054141	C	0.01516
rs860236	22	48118077	T	0.01515
rs5769604	22	48161155	A	0.00418
rs135853	22	48364457	T	0.01101
rs5771077	22	48906662	G	0.01520

Table S4: Linkage disequilibrium (r^2 values > 0.2) among pairs of SNPs used to generate v1.0 quit success scores. These values come from PLINK, v 1.07 tests of SNPs that are not more than 10 SNPs apart within a 1Mb sliding window, and provides r^2 correlations based on genotypic allele counts between variables, coded 0, 1 or 2 to represent the number of non-reference alleles at each.

chr	bp (SNP A)	SNP A	bp (SNP B)	SNP B	r^2
1	4358909	rs12042555	4360565	rs1870506	0.587
1	5398168	rs11576458	5398185	rs11576460	0.812
1	5640603	rs1695629	5641161	rs1695628	0.820
1	9304621	rs1294055	9304872	rs564709	0.527
1	9304872	rs564709	9950127	rs2890358	0.238
1	10549509	rs11121594	10555860	rs6687502	0.990
1	14361606	rs7545744	14367357	rs6692603	0.766
1	14361606	rs7545744	14367590	rs10489144	0.512
1	14361606	rs7545744	14368482	rs10489143	0.512
1	14367357	rs6692603	14367590	rs10489144	0.705
1	14367357	rs6692603	14368482	rs10489143	0.705
1	14367590	rs10489144	14368482	rs10489143	1.000
1	14790404	rs12145446	14793530	rs2486778	0.924
1	15706947	rs2020902	15773124	rs6429753	0.333
1	15706947	rs2020902	15841357	rs6696286	0.221
1	15773124	rs6429753	15841357	rs6696286	0.534
1	15773124	rs6429753	15878379	rs12082523	0.543
1	15841357	rs6696286	15878379	rs12082523	0.551
1	17244342	rs10887994	17247250	rs7536679	1.000
1	17244342	rs10887994	17247329	rs7545518	1.000
1	17244342	rs10887994	17273681	rs2295053	0.398
1	17247250	rs7536679	17247329	rs7545518	1.000
1	17247250	rs7536679	17273681	rs2295053	0.401
1	17247329	rs7545518	17273681	rs2295053	0.413
1	20893785	rs535696	20904570	rs6702859	0.215
1	20893785	rs535696	20906226	rs875015	0.226
1	20893785	rs535696	20907736	rs6426645	0.347
1	20893785	rs535696	20920203	rs637990	0.234
1	20904570	rs6702859	20906226	rs875015	0.962
1	20904570	rs6702859	20907736	rs6426645	0.708
1	20904570	rs6702859	20920203	rs637990	0.473
1	20906226	rs875015	20907736	rs6426645	0.745
1	20906226	rs875015	20920203	rs637990	0.510
1	20906226	rs875015	21228428	rs6659152	0.225
1	20907736	rs6426645	20920203	rs637990	0.717
1	20907736	rs6426645	20939588	rs12123092	0.235
1	20907736	rs6426645	20978603	rs1021077	0.321

1	20907736	rs6426645	20987420	rs3856173	0.307
1	20907736	rs6426645	21107510	rs4654887	0.290
1	20907736	rs6426645	21171950	rs6700718	0.291
1	20907736	rs6426645	21228428	rs6659152	0.400
1	20907736	rs6426645	21264462	rs1354792	0.261
1	20920203	rs637990	20939588	rs12123092	0.343
1	20920203	rs637990	20978603	rs1021077	0.504
1	20920203	rs637990	20987420	rs3856173	0.487
1	20920203	rs637990	21029254	rs4654874	0.278
1	20920203	rs637990	21107510	rs4654887	0.463
1	20920203	rs637990	21171950	rs6700718	0.454
1	20920203	rs637990	21228428	rs6659152	0.537
1	20920203	rs637990	21264462	rs1354792	0.386
1	20920203	rs637990	21282818	rs4654899	0.452
1	20939588	rs12123092	20978603	rs1021077	0.731
1	20939588	rs12123092	20987420	rs3856173	0.743
1	20939588	rs12123092	21029254	rs4654874	0.630
1	20939588	rs12123092	21107510	rs4654887	0.566
1	20939588	rs12123092	21171950	rs6700718	0.549
1	20939588	rs12123092	21228428	rs6659152	0.548
1	20939588	rs12123092	21264462	rs1354792	0.660
1	20939588	rs12123092	21282818	rs4654899	0.554
1	20939588	rs12123092	21320522	rs12402486	0.651
1	20978603	rs1021077	20987420	rs3856173	0.965
1	20978603	rs1021077	21029254	rs4654874	0.645
1	20978603	rs1021077	21107510	rs4654887	0.740
1	20978603	rs1021077	21171950	rs6700718	0.735
1	20978603	rs1021077	21228428	rs6659152	0.739
1	20978603	rs1021077	21264462	rs1354792	0.616
1	20978603	rs1021077	21282818	rs4654899	0.718
1	20978603	rs1021077	21320522	rs12402486	0.620
1	20978603	rs1021077	21388493	rs6702110	0.714
1	20987420	rs3856173	21029254	rs4654874	0.678
1	20987420	rs3856173	21107510	rs4654887	0.781
1	20987420	rs3856173	21171950	rs6700718	0.754
1	20987420	rs3856173	21228428	rs6659152	0.720
1	20987420	rs3856173	21264462	rs1354792	0.654
1	20987420	rs3856173	21282818	rs4654899	0.759
1	20987420	rs3856173	21320522	rs12402486	0.658
1	20987420	rs3856173	21388493	rs6702110	0.755
1	21029254	rs4654874	21107510	rs4654887	0.720
1	21029254	rs4654874	21171950	rs6700718	0.679
1	21029254	rs4654874	21228428	rs6659152	0.588
1	21029254	rs4654874	21264462	rs1354792	0.766

1	21029254	rs4654874	21282818	rs4654899	0.697
1	21029254	rs4654874	21320522	rs12402486	0.774
1	21029254	rs4654874	21388493	rs6702110	0.688
1	21107510	rs4654887	21171950	rs6700718	0.957
1	21107510	rs4654887	21228428	rs6659152	0.855
1	21107510	rs4654887	21264462	rs1354792	0.855
1	21107510	rs4654887	21282818	rs4654899	0.974
1	21107510	rs4654887	21320522	rs12402486	0.861
1	21107510	rs4654887	21388493	rs6702110	0.974
1	21171950	rs6700718	21228428	rs6659152	0.901
1	21171950	rs6700718	21264462	rs1354792	0.860
1	21171950	rs6700718	21282818	rs4654899	0.983
1	21171950	rs6700718	21320522	rs12402486	0.867
1	21171950	rs6700718	21388493	rs6702110	0.982
1	21228428	rs6659152	21264462	rs1354792	0.781
1	21228428	rs6659152	21282818	rs4654899	0.883
1	21228428	rs6659152	21320522	rs12402486	0.786
1	21228428	rs6659152	21388493	rs6702110	0.881
1	21264462	rs1354792	21282818	rs4654899	0.883
1	21264462	rs1354792	21320522	rs12402486	0.991
1	21264462	rs1354792	21388493	rs6702110	0.874
1	21282818	rs4654899	21320522	rs12402486	0.890
1	21282818	rs4654899	21388493	rs6702110	1.000
1	21320522	rs12402486	21388493	rs6702110	0.880
1	22663042	rs4233289	22716015	rs209722	0.754
1	22709086	rs3754010	22716015	rs209722	0.270
1	24771040	rs6424106	24774585	rs6687818	0.663
1	24771040	rs6424106	24790043	rs9328948	0.461
1	24774585	rs6687818	24790043	rs9328948	0.322
1	24939035	rs3131502	24948388	rs1890449	0.792
1	28423035	rs4908393	28436866	rs9508	0.921
1	28423035	rs4908393	28439195	rs576550	0.854
1	28436866	rs9508	28439195	rs576550	0.922
1	30400206	rs1321117	30435437	rs976190	0.369
1	30400206	rs1321117	30438106	rs10915041	0.403
1	30435437	rs976190	30438106	rs10915041	0.709
1	30435437	rs976190	30445358	rs941518	0.517
1	30438106	rs10915041	30445358	rs941518	0.431
1	33732649	rs9943259	33773922	rs2641953	0.296
1	34464326	rs12410640	34478745	rs10914890	0.702
1	34478745	rs10914890	34506613	rs10799034	0.278
1	34478745	rs10914890	34506764	rs771396	0.277
1	34478745	rs10914890	34508639	rs7524118	0.271
1	34478745	rs10914890	34510599	rs1361670	0.294

1	34478745	rs10914890	34514192	rs880017	0.283
1	34478745	rs10914890	34514539	rs6425886	0.291
1	34478745	rs10914890	34514843	rs979336	0.271
1	34478745	rs10914890	34515663	rs1342153	0.271
1	34478745	rs10914890	34521341	rs9661105	0.289
1	34506613	rs10799034	34506764	rs771396	0.943
1	34506613	rs10799034	34508639	rs7524118	0.962
1	34506613	rs10799034	34510599	rs1361670	0.942
1	34506613	rs10799034	34514192	rs880017	0.914
1	34506613	rs10799034	34514539	rs6425886	0.886
1	34506613	rs10799034	34514843	rs979336	0.962
1	34506613	rs10799034	34515663	rs1342153	0.962
1	34506613	rs10799034	34521341	rs9661105	0.855
1	34506764	rs771396	34508639	rs7524118	0.890
1	34506764	rs771396	34510599	rs1361670	0.868
1	34506764	rs771396	34514192	rs880017	0.894
1	34506764	rs771396	34514539	rs6425886	0.809
1	34506764	rs771396	34514843	rs979336	0.890
1	34506764	rs771396	34515663	rs1342153	0.890
1	34506764	rs771396	34521341	rs9661105	0.810
1	34508639	rs7524118	34510599	rs1361670	0.981
1	34508639	rs7524118	34514192	rs880017	0.953
1	34508639	rs7524118	34514539	rs6425886	0.927
1	34508639	rs7524118	34514843	rs979336	1.000
1	34508639	rs7524118	34515663	rs1342153	1.000
1	34508639	rs7524118	34521341	rs9661105	0.888
1	34510599	rs1361670	34514192	rs880017	0.971
1	34510599	rs1361670	34514539	rs6425886	0.944
1	34510599	rs1361670	34514843	rs979336	0.981
1	34510599	rs1361670	34515663	rs1342153	0.981
1	34510599	rs1361670	34521341	rs9661105	0.904
1	34514192	rs880017	34514539	rs6425886	0.914
1	34514192	rs880017	34514843	rs979336	0.953
1	34514192	rs880017	34515663	rs1342153	0.953
1	34514192	rs880017	34521341	rs9661105	0.911
1	34514539	rs6425886	34514843	rs979336	0.927
1	34514539	rs6425886	34515663	rs1342153	0.927
1	34514539	rs6425886	34521341	rs9661105	0.840
1	34514843	rs979336	34515663	rs1342153	1.000
1	34514843	rs979336	34521341	rs9661105	0.888
1	34515663	rs1342153	34521341	rs9661105	0.888
1	38397365	rs4970570	38397962	rs1809329	0.904
1	42225904	rs642112	42276537	rs10890176	0.587
1	42225904	rs642112	42496837	rs17377240	0.280

1	44162979	rs9326136	44206451	rs7412307	0.849
1	44192835	rs2486013	44206451	rs7412307	0.239
1	46360474	rs785495	46406461	rs3855959	0.432
1	46828579	rs956527	46897066	rs611468	0.213
1	50826910	rs3789586	50839538	rs12083078	0.930
1	54547791	rs4927088	54550150	rs11206329	0.608
1	54891877	rs9332417	54910882	rs598130	0.274
1	54891877	rs9332417	54916688	rs498831	0.201
1	55257398	rs2495505	55268627	rs11206510	0.244
1	55704335	rs11206601	55705932	rs874664	0.917
1	55839140	rs1392128	55885953	rs12124393	0.748
1	55839140	rs1392128	55938330	rs2767515	0.300
1	55885953	rs12124393	55938330	rs2767515	0.431
1	55938330	rs2767515	55973612	rs2767499	0.296
1	57800162	rs2805860	57815437	rs947242	0.954
1	58225892	rs1187994	58238604	rs1187988	0.686
1	58250950	rs12028704	58254617	rs11207153	0.954
1	58592505	rs4567304	58599898	rs17496545	0.434
1	58658783	rs697585	58675926	rs706430	0.785
1	63679468	rs2036867	63755548	rs12078371	0.974
1	63881947	rs2269239	63897660	rs11208264	0.359
1	63881947	rs2269239	63900797	rs2013012	0.463
1	63897660	rs11208264	63900797	rs2013012	0.233
1	63897660	rs11208264	63932834	rs6678106	0.276
1	64245244	rs285393	64250080	rs285400	0.759
1	64250080	rs285400	64260828	rs834489	0.227
1	64250080	rs285400	65192778	rs7553101	0.215
1	65454131	rs4916031	65461049	rs6677191	0.473
1	65808327	rs3790432	65815607	rs3790426	0.903
1	66217237	rs2503197	66224365	rs1317611	0.578
1	66217237	rs2503197	66242794	rs2186122	0.762
1	66217237	rs2503197	66246509	rs2489907	0.568
1	66224365	rs1317611	66242794	rs2186122	0.471
1	66224365	rs1317611	66246509	rs2489907	0.769
1	66242794	rs2186122	66246509	rs2489907	0.504
1	68721727	rs10789263	68794759	rs1924529	0.788
1	69913646	rs11209514	69916151	rs12133092	0.930
1	69913646	rs11209514	69921347	rs12022970	0.941
1	69916151	rs12133092	69921347	rs12022970	0.986
1	70272500	rs17131142	70272705	rs12025814	0.828
1	70272500	rs17131142	70461803	rs2274913	0.327
1	70272705	rs12025814	70461803	rs2274913	0.255
1	72011020	rs2125777	72015178	rs1491198	0.874
1	73692628	rs647478	73705474	rs12140865	0.828

1	73692628	rs647478	73713306	rs6701520	0.813
1	73692628	rs647478	73748346	rs7534840	0.525
1	73705474	rs12140865	73713306	rs6701520	0.952
1	73705474	rs12140865	73748346	rs7534840	0.636
1	73713306	rs6701520	73748346	rs7534840	0.598
1	75014984	rs1475396	75024722	rs10874274	0.924
1	75014984	rs1475396	75032916	rs927904	0.973
1	75024722	rs10874274	75032916	rs927904	0.947
1	78775177	rs12731181	78820018	rs1333978	0.282
1	79778531	rs12751985	79849115	rs2374186	0.390
1	80577091	rs35020936	80611468	rs2997195	0.266
1	80577091	rs35020936	80629549	rs1365752	0.690
1	80611468	rs2997195	80629549	rs1365752	0.329
1	85843032	rs9803850	85898341	rs10493773	0.410
1	86930717	rs692739	87227506	rs2390220	0.296
1	87542558	rs1888337	87549430	rs4655952	0.893
1	88841271	rs11590752	88998564	rs430600	0.589
1	88841271	rs11590752	89134355	rs10922504	0.288
1	88998564	rs430600	89134355	rs10922504	0.594
1	88998564	rs430600	89200041	rs1325922	0.450
1	89088833	rs12405169	89429449	rs6667970	0.271
1	89134355	rs10922504	89200041	rs1325922	0.460
1	91048019	rs10493841	91051894	rs10922929	1.000
1	91048019	rs10493841	91052106	rs1725430	0.641
1	91051894	rs10922929	91052106	rs1725430	0.644
1	92173025	rs11165840	92191962	rs766665	0.742
1	93532515	rs6687359	93568520	rs4847409	1.000
1	93991061	rs4075523	93996357	rs4240956	0.928
1	94000572	rs7515462	94014144	rs2391313	1.000
1	94000572	rs7515462	94022128	rs1004197	0.886
1	94000572	rs7515462	94055681	rs6692717	0.912
1	94014144	rs2391313	94022128	rs1004197	0.886
1	94014144	rs2391313	94055681	rs6692717	0.912
1	94022128	rs1004197	94055681	rs6692717	0.991
1	94730966	rs1749541	94762365	rs7555399	0.233
1	94984405	rs1760512	95065079	rs12048606	0.212
1	95831138	rs10489562	95848258	rs1509173	0.923
1	95831138	rs10489562	95860780	rs621485	0.468
1	95848258	rs1509173	95860780	rs621485	0.487
1	99382703	rs302756	99390673	rs302765	0.863
1	99382703	rs302756	99416551	rs668206	0.254
1	99390673	rs302765	99416551	rs668206	0.226
1	99871758	rs7529598	99872120	rs10875240	0.955
1	100050187	rs1565744	100089177	rs2307130	0.413

1	102167808	rs7515984	102176835	rs755181	0.708
1	102167808	rs7515984	102181350	rs7512461	0.702
1	102167808	rs7515984	102184466	rs11583344	0.605
1	102176835	rs755181	102181350	rs7512461	1.000
1	102176835	rs755181	102184466	rs11583344	0.934
1	102181350	rs7512461	102184466	rs11583344	0.934
1	110217322	rs12036949	110218390	rs7522621	0.970
1	111954125	rs2477425	111985163	rs1324889	0.418
1	112388477	rs4839202	112399680	rs269080	0.307
1	112388477	rs4839202	112405977	rs17740750	0.514
1	112388477	rs4839202	112410575	rs370258	0.303
1	112388477	rs4839202	112427091	rs7531453	0.370
1	112388477	rs4839202	112436461	rs269097	0.330
1	112399680	rs269080	112405977	rs17740750	0.451
1	112399680	rs269080	112410575	rs370258	0.798
1	112399680	rs269080	112436461	rs269097	0.428
1	112405977	rs17740750	112410575	rs370258	0.515
1	112405977	rs17740750	112427091	rs7531453	0.502
1	112405977	rs17740750	112436461	rs269097	0.341
1	112410575	rs370258	112436461	rs269097	0.418
1	112427091	rs7531453	112436461	rs269097	0.575
1	112524987	rs1992509	112563816	rs1416203	0.678
1	112563816	rs1416203	112582141	rs2998359	0.253
1	112582141	rs2998359	112583351	rs1371690	0.844
1	113890839	rs17013326	113941445	rs1217226	0.718
1	113890839	rs17013326	114045700	rs1230649	0.841
1	113890839	rs17013326	114139759	rs1217396	0.834
1	113890839	rs17013326	114216891	rs2488457	0.716
1	113941445	rs1217226	114045700	rs1230649	0.646
1	113941445	rs1217226	114139759	rs1217396	0.645
1	113941445	rs1217226	114216891	rs2488457	0.558
1	114045700	rs1230649	114139759	rs1217396	0.985
1	114045700	rs1230649	114216891	rs2488457	0.858
1	114139759	rs1217396	114216891	rs2488457	0.851
1	118234461	rs12116827	118269162	rs2208375	0.276
1	145134659	rs6668865	145159853	rs2354432	0.297
1	149678259	rs12751531	149695229	rs10736380	0.908
1	151267854	rs11205174	151317140	rs10888528	0.418
1	153091894	rs11264275	153149168	rs10908448	0.251
1	153091894	rs11264275	153153441	rs4845690	0.251
1	153149168	rs10908448	153153441	rs4845690	0.992
1	156433933	rs7530662	156451439	rs393304	0.238
1	159099423	rs7410867	159166407	rs11587040	0.218
1	160445222	rs4657171	160452056	rs12064639	0.438

1	165155988	rs11579987	165214305	rs7545911	0.266
1	165155988	rs11579987	165216603	rs6682062	0.266
1	165155988	rs11579987	165218493	rs6688613	0.422
1	165155988	rs11579987	165219534	rs1327866	0.422
1	165214305	rs7545911	165216603	rs6682062	1.000
1	165214305	rs7545911	165218493	rs6688613	0.790
1	165214305	rs7545911	165219534	rs1327866	0.790
1	165216603	rs6682062	165218493	rs6688613	0.790
1	165216603	rs6682062	165219534	rs1327866	0.790
1	165218493	rs6688613	165219534	rs1327866	1.000
1	165323807	rs12133491	165333233	rs10127714	0.331
1	165562462	rs6427082	165568622	rs10918683	0.404
1	167457279	rs6688139	167466049	rs6703463	0.990
1	167457279	rs6688139	167547862	rs1856303	0.372
1	167466049	rs6703463	167547862	rs1856303	0.360
1	170459926	rs41516352	170460291	rs12411264	0.942
1	170459926	rs41516352	170475494	rs4072117	0.928
1	170460291	rs12411264	170475494	rs4072117	0.985
1	170943797	rs10798178	170995569	rs859627	0.269
1	173562004	rs10912957	173565216	rs10489322	0.982
1	173818063	rs4570382	173833340	rs12065732	0.353
1	174720725	rs2206503	174784152	rs2206511	0.271
1	175569595	rs4652245	175571563	rs4140633	0.459
1	175569595	rs4652245	175572481	rs3946142	0.829
1	175569595	rs4652245	175580821	rs6658794	0.611
1	175571563	rs4140633	175572481	rs3946142	0.663
1	175571563	rs4140633	175580821	rs6658794	0.349
1	175572481	rs3946142	175580821	rs6658794	0.667
1	177726177	rs6674086	177726299	rs6674274	0.681
1	177726177	rs6674086	177763642	rs964983	0.967
1	177726177	rs6674086	177784337	rs11577538	0.604
1	177726177	rs6674086	177828766	rs4652420	0.213
1	177726299	rs6674274	177763642	rs964983	0.669
1	177726299	rs6674274	177784337	rs11577538	0.426
1	177726299	rs6674274	177828766	rs4652420	0.328
1	177726299	rs6674274	177835711	rs4652424	0.217
1	177763642	rs964983	177784337	rs11577538	0.651
1	177763642	rs964983	177828766	rs4652420	0.211
1	177814890	rs1887816	177818275	rs1887814	0.752
1	177828766	rs4652420	177835711	rs4652424	0.366
1	178971588	rs7548318	178999746	rs2331886	0.723
1	179836514	rs4651109	179863063	rs199940	0.463
1	181856005	rs16861243	181904975	rs9633306	0.856
1	181856005	rs16861243	181924722	rs12088165	0.892

1	181904975	rs9633306	181924722	rs12088165	0.807
1	185301683	rs10911991	185321946	rs17545182	0.246
1	187265926	rs10921118	187447701	rs1342554	0.386
1	187265926	rs10921118	187885135	rs499557	0.220
1	187885135	rs499557	187927195	rs494978	0.899
1	188508873	rs10800939	188547582	rs505600	0.831
1	188789599	rs814953	188929461	rs1325220	0.361
1	191920912	rs7541624	191930411	rs1416599	0.221
1	191920912	rs7541624	191944757	rs12024767	0.231
1	191920912	rs7541624	191967952	rs7527158	0.231
1	191920912	rs7541624	191968573	rs6673280	0.244
1	191930411	rs1416599	191944757	rs12024767	0.852
1	191930411	rs1416599	191949253	rs16835697	0.216
1	191930411	rs1416599	191967952	rs7527158	0.800
1	191930411	rs1416599	191968573	rs6673280	0.845
1	191944757	rs12024767	191949253	rs16835697	0.255
1	191944757	rs12024767	191967952	rs7527158	0.925
1	191944757	rs12024767	191968573	rs6673280	0.982
1	191944757	rs12024767	192021429	rs41516151	0.235
1	191949253	rs16835697	191967952	rs7527158	0.236
1	191949253	rs16835697	191968573	rs6673280	0.245
1	191949253	rs16835697	192021429	rs41516151	0.884
1	191967952	rs7527158	191968573	rs6673280	0.914
1	191967952	rs7527158	192021429	rs41516151	0.216
1	191968573	rs6673280	192021429	rs41516151	0.225
1	193431315	rs591575	193528686	rs17661321	0.567
1	194126300	rs3010143	194131227	rs3008578	0.896
1	194126300	rs3010143	194139079	rs3010149	0.587
1	194126300	rs3010143	194141413	rs1451920	0.386
1	194126300	rs3010143	194142828	rs3010151	0.844
1	194131227	rs3008578	194139079	rs3010149	0.651
1	194131227	rs3008578	194141413	rs1451920	0.397
1	194131227	rs3008578	194142828	rs3010151	0.854
1	194139079	rs3010149	194141413	rs1451920	0.232
1	194139079	rs3010149	194142828	rs3010151	0.574
1	194141413	rs1451920	194142828	rs3010151	0.419
1	197142881	rs1322916	197209638	rs2154328	0.290
1	197181925	rs12048004	197209638	rs2154328	0.215
1	199153514	rs404339	199186985	rs11579874	0.862
1	199379604	rs8158	199383377	rs6664337	0.947
1	199464431	rs12466	199533697	rs2268156	0.248
1	202390294	rs11571093	202406807	rs16853059	0.266
1	202398933	rs10900555	202416146	rs10900558	0.649
1	202398933	rs10900555	202423791	rs4951315	0.580

1	202398933	rs10900555	202427649	rs7538038	0.324
1	202398933	rs10900555	202428835	rs12097666	0.339
1	202416146	rs10900558	202423791	rs4951315	0.767
1	202416146	rs10900558	202427649	rs7538038	0.402
1	202416146	rs10900558	202428835	rs12097666	0.420
1	202423791	rs4951315	202427649	rs7538038	0.348
1	202423791	rs4951315	202428835	rs12097666	0.364
1	202427649	rs7538038	202428835	rs12097666	0.986
1	203874755	rs11579937	203874776	rs11581303	0.236
1	203964468	rs1620334	203991651	rs823122	0.740
1	208237598	rs7543650	208348969	rs2451696	0.904
1	209753483	rs10863911	209753674	rs4287239	0.597
1	210992052	rs1507357	211011500	rs6687672	1.000
1	210992052	rs1507357	211071635	rs6694190	0.744
1	211011500	rs6687672	211071635	rs6694190	0.744
1	211159262	rs870547	211159608	rs6679848	0.965
1	211159262	rs870547	211159656	rs6679938	0.932
1	211159262	rs870547	211162146	rs6656232	0.949
1	211159608	rs6679848	211159656	rs6679938	0.965
1	211159608	rs6679848	211162146	rs6656232	0.983
1	211159656	rs6679938	211162146	rs6656232	0.965
1	213202375	rs6667184	213205803	rs562410	0.293
1	213202375	rs6667184	213231930	rs1452623	0.358
1	213205803	rs562410	213265201	rs1377173	0.566
1	213265201	rs1377173	213446975	rs12753507	0.231
1	213265201	rs1377173	213698123	rs1319603	0.245
1	213337026	rs4375232	213698123	rs1319603	0.259
1	213446975	rs12753507	213482243	rs946489	0.668
1	213446975	rs12753507	213484064	rs10864169	0.670
1	213446975	rs12753507	213484176	rs4655397	0.670
1	213446975	rs12753507	213698123	rs1319603	0.646
1	213482243	rs946489	213484064	rs10864169	1.000
1	213482243	rs946489	213484176	rs4655397	1.000
1	213482243	rs946489	213698123	rs1319603	0.802
1	213484064	rs10864169	213484176	rs4655397	1.000
1	213484064	rs10864169	213698123	rs1319603	0.804
1	213484176	rs4655397	213698123	rs1319603	0.804
1	213863644	rs17024993	213888054	rs6665928	0.910
1	214184195	rs654702	214184463	rs531780	0.989
1	215499147	rs17653435	215538967	rs10495053	0.271
1	217079925	rs4846281	217087235	rs653734	0.570
1	220052795	rs11118868	220070531	rs4846728	0.905
1	220070531	rs4846728	220099305	rs10863665	0.235
1	221378230	rs1640827	221418246	rs4140967	0.389

1	221973921	rs17557525	222033974	rs12088254	0.248
1	221973921	rs17557525	222090357	rs6678365	0.391
1	222033974	rs12088254	222090357	rs6678365	0.529
1	222894120	rs1603918	222897964	rs7535296	0.991
1	222894120	rs1603918	222948451	rs1436171	0.829
1	222894120	rs1603918	222952691	rs2897161	0.906
1	222894120	rs1603918	222957663	rs10915699	0.838
1	222897964	rs7535296	222948451	rs1436171	0.837
1	222897964	rs7535296	222952691	rs2897161	0.914
1	222897964	rs7535296	222957663	rs10915699	0.846
1	222948451	rs1436171	222952691	rs2897161	0.923
1	222948451	rs1436171	222957663	rs10915699	0.991
1	222952691	rs2897161	222957663	rs10915699	0.933
1	226482124	rs1629294	226490418	rs2776856	0.981
1	226482124	rs1629294	226491223	rs1757139	0.981
1	226482124	rs1629294	226525596	rs533738	0.265
1	226490418	rs2776856	226491223	rs1757139	1.000
1	226490418	rs2776856	226525596	rs533738	0.249
1	226491223	rs1757139	226525596	rs533738	0.249
1	227235445	rs7517398	227281341	rs545321	0.256
1	229986844	rs17817356	229989968	rs9803690	0.312
1	230194387	rs4658972	230195957	rs12406771	0.883
1	230684634	rs12117428	230686695	rs1409370	1.000
1	231140152	rs4649417	231216893	rs6424263	0.360
1	231211946	rs732169	231216893	rs6424263	0.351
1	231211946	rs732169	231218775	rs3766484	0.779
1	231216893	rs6424263	231218775	rs3766484	0.432
1	236083873	rs790892	236114948	rs2298100	0.775
1	237816943	rs10802776	237823815	rs997538	0.768
1	239557424	rs4659598	239561201	rs7512603	0.638
1	239640170	rs9428505	239640279	rs10802963	0.982
1	240628728	rs2580238	240629344	rs2809985	0.609
1	241705841	rs10927025	241708043	rs2994339	0.224
1	241708043	rs2994339	241717339	rs4658574	0.552
1	245609461	rs11802371	245613957	rs7555997	0.279
2	192993	rs449725	253270	rs10167992	0.204
2	2420158	rs10177243	2426972	rs4853940	0.336
2	6083374	rs2693822	6144872	rs1852317	0.348
2	6346425	rs16865015	6352038	rs4337447	0.807
2	6648243	rs12478619	6655887	rs6749132	0.987
2	6648243	rs12478619	6703172	rs4669090	0.643
2	6648243	rs12478619	6705721	rs6761066	0.311
2	6648243	rs12478619	6712276	rs7564462	0.285
2	6655887	rs6749132	6703172	rs4669090	0.653

2	6655887	rs6749132	6705721	rs6761066	0.317
2	6655887	rs6749132	6712276	rs7564462	0.271
2	6703172	rs4669090	6705721	rs6761066	0.486
2	6703172	rs4669090	6712276	rs7564462	0.385
2	6705721	rs6761066	6712276	rs7564462	0.342
2	6757301	rs307972	6775281	rs182537	0.983
2	6757301	rs307972	6777986	rs379656	0.951
2	6775281	rs182537	6777986	rs379656	0.967
2	7032516	rs771256	7033528	rs4669123	0.485
2	8703783	rs11691910	8705870	rs4669321	0.288
2	9967149	rs12479251	9982242	rs17364189	0.492
2	11478414	rs7602665	11501448	rs6432193	0.217
2	11479223	rs6743597	11501448	rs6432193	0.228
2	12188138	rs6720015	12190544	rs6728621	0.282
2	14405331	rs17344070	14475445	rs1976727	0.235
2	15111625	rs10185181	15111754	rs12466657	0.580
2	15111625	rs10185181	15112010	rs1430804	0.990
2	15111754	rs12466657	15112010	rs1430804	0.577
2	15395815	rs6431692	15509470	rs6723148	0.535
2	15948018	rs2254328	15948478	rs746104	0.463
2	16472596	rs4832592	16519793	rs6729772	0.261
2	18667353	rs17752832	18729707	rs16985416	0.381
2	20138384	rs1466418	20138874	rs10178084	0.962
2	21236291	rs527034	21252721	rs478442	0.954
2	22407217	rs6743484	22466143	rs1396725	0.451
2	23449055	rs2577698	23449391	rs2954818	0.959
2	23464343	rs11125011	23469562	rs6742888	0.528
2	24586072	rs11125629	24767629	rs2119120	0.226
2	24586072	rs11125629	24892380	rs934609	0.656
2	26677750	rs1276123	27294806	rs1275537	0.201
2	26765249	rs1275985	26765583	rs1275986	0.991
2	27872679	rs4666014	28220753	rs7608642	0.217
2	28195657	rs1948922	28211838	rs13408504	0.592
2	28195657	rs1948922	28211983	rs11127133	0.800
2	28195657	rs1948922	28220753	rs7608642	0.543
2	28211838	rs13408504	28211983	rs11127133	0.814
2	28211838	rs13408504	28220753	rs7608642	0.940
2	28211983	rs11127133	28220753	rs7608642	0.751
2	29555940	rs3885975	29580732	rs10445907	0.290
2	29895721	rs10187657	29928397	rs4473347	0.210
2	30758021	rs2609938	30838175	rs6548031	0.430
2	30758021	rs2609938	31241433	rs12620887	0.256
2	30838175	rs6548031	31241433	rs12620887	0.318
2	31935601	rs10490358	32009898	rs17011711	0.919

2	36543597	rs3770866	36543746	rs848534	0.481
2	37611381	rs4430920	37616264	rs4538180	0.918
2	39079775	rs6544186	39385585	rs7595469	0.433
2	39079775	rs6544186	39952885	rs6727511	0.218
2	39385585	rs7595469	39952885	rs6727511	0.235
2	41414230	rs6750424	41468994	rs6544414	0.640
2	41871478	rs7603589	41894842	rs7599972	0.504
2	41871478	rs7603589	41896380	rs10193285	0.497
2	41871478	rs7603589	41900097	rs12471624	0.480
2	41871478	rs7603589	41902588	rs11689557	0.392
2	41871478	rs7603589	41909614	rs4142227	0.351
2	41871478	rs7603589	41922400	rs11692115	0.609
2	41894842	rs7599972	41896380	rs10193285	0.274
2	41894842	rs7599972	41900097	rs12471624	0.283
2	41894842	rs7599972	41902588	rs11689557	0.690
2	41894842	rs7599972	41909614	rs4142227	0.676
2	41894842	rs7599972	41922400	rs11692115	0.293
2	41896380	rs10193285	41900097	rs12471624	0.991
2	41896380	rs10193285	41922400	rs11692115	0.277
2	41900097	rs12471624	41922400	rs11692115	0.250
2	41902588	rs11689557	41909614	rs4142227	0.887
2	41902588	rs11689557	41922400	rs11692115	0.273
2	41909614	rs4142227	41922400	rs11692115	0.303
2	42108584	rs2374382	42142611	rs4952399	0.265
2	42108584	rs2374382	42158635	rs13383145	0.343
2	42142611	rs4952399	42158635	rs13383145	0.579
2	42949290	rs4408769	42949492	rs6722743	0.870
2	43633169	rs1873555	43656932	rs6731009	0.902
2	43633169	rs1873555	43660872	rs11890152	0.883
2	43656932	rs6731009	43660872	rs11890152	0.979
2	44258406	rs13008237	44300435	rs5024499	0.850
2	45592549	rs17322370	45623898	rs748573	0.221
2	45597896	rs10427402	45623898	rs748573	0.623
2	47947841	rs874869	48253519	rs4146603	0.286
2	52942850	rs6746666	53072707	rs1446439	0.207
2	54623147	rs4261758	54658913	rs12713265	0.282
2	55036454	rs10196667	55068416	rs2580770	0.402
2	56541768	rs1465360	56542552	rs13382678	0.751
2	56541768	rs1465360	56631513	rs10208385	0.598
2	56541768	rs1465360	56651833	rs1991185	0.616
2	56542552	rs13382678	56631513	rs10208385	0.691
2	56542552	rs13382678	56651833	rs1991185	0.539
2	56631513	rs10208385	56651833	rs1991185	0.770
2	56931249	rs6741957	57151802	rs12478403	0.215

2	58376084	rs13399274	58503859	rs4672240	0.235
2	58376084	rs13399274	58505942	rs10179027	0.236
2	58376084	rs13399274	58517880	rs6759994	0.230
2	58376084	rs13399274	58706520	rs7419776	0.265
2	58472642	rs4672238	58519124	rs1019283	0.526
2	58503859	rs4672240	58505942	rs10179027	0.981
2	58503859	rs4672240	58517880	rs6759994	0.954
2	58505942	rs10179027	58517880	rs6759994	0.972
2	58706520	rs7419776	58711046	rs4672251	0.430
2	58706520	rs7419776	58767709	rs17614872	0.682
2	58711046	rs4672251	58767709	rs17614872	0.292
2	58711046	rs4672251	58896351	rs4671330	0.201
2	58896351	rs4671330	58948113	rs1990588	0.639
2	60187236	rs887930	60201921	rs6714188	0.219
2	60187236	rs887930	60204549	rs13420896	0.220
2	60187236	rs887930	60204636	rs13411643	0.208
2	60187236	rs887930	60205897	rs13427381	0.230
2	60201921	rs6714188	60204549	rs13420896	0.941
2	60201921	rs6714188	60204636	rs13411643	0.986
2	60201921	rs6714188	60205897	rs13427381	0.985
2	60204549	rs13420896	60204636	rs13411643	0.957
2	60204549	rs13420896	60205897	rs13427381	0.926
2	60204636	rs13411643	60205897	rs13427381	0.971
2	60483113	rs888082	60491160	rs10445937	0.438
2	62667670	rs6545961	62676395	rs6545963	0.916
2	62667670	rs6545961	62712546	rs6752010	0.597
2	62667670	rs6545961	62740514	rs10177638	0.614
2	62667670	rs6545961	62745256	rs6757128	0.660
2	62676395	rs6545963	62712546	rs6752010	0.632
2	62676395	rs6545963	62740514	rs10177638	0.668
2	62676395	rs6545963	62745256	rs6757128	0.703
2	62712546	rs6752010	62740514	rs10177638	0.792
2	62712546	rs6752010	62745256	rs6757128	0.837
2	62740514	rs10177638	62745256	rs6757128	0.886
2	64733367	rs1861402	64753358	rs2422282	0.542
2	64753358	rs2422282	64806767	rs6736527	0.330
2	66410740	rs2971826	66470568	rs6546227	0.550
2	67578542	rs10202108	67611284	rs1607904	0.399
2	67625132	rs6546313	67720046	rs10490726	0.202
2	67941672	rs11126163	67997099	rs872108	0.217
2	70195079	rs7597199	70214454	rs4853334	0.380
2	70494258	rs6546602	70517615	rs516383	0.399
2	70517615	rs516383	70517893	rs2461861	0.255
2	70517893	rs2461861	70552364	rs1523305	0.219

2	70718658	rs11903352	70718791	rs1859919	1.000
2	70718658	rs11903352	70719422	rs1859920	0.991
2	70718658	rs11903352	70725313	rs6713842	0.521
2	70718658	rs11903352	70727597	rs2108479	0.488
2	70718658	rs11903352	70732192	rs12617676	0.704
2	70718791	rs1859919	70719422	rs1859920	0.991
2	70718791	rs1859919	70725313	rs6713842	0.521
2	70718791	rs1859919	70727597	rs2108479	0.488
2	70718791	rs1859919	70732192	rs12617676	0.704
2	70719422	rs1859920	70725313	rs6713842	0.533
2	70719422	rs1859920	70727597	rs2108479	0.500
2	70719422	rs1859920	70732192	rs12617676	0.713
2	70725313	rs6713842	70727597	rs2108479	0.925
2	70725313	rs6713842	70732192	rs12617676	0.556
2	70727597	rs2108479	70732192	rs12617676	0.480
2	71534140	rs6546693	71546325	rs13431785	0.241
2	72031795	rs908611	72041872	rs6752766	0.418
2	74844393	rs7574100	74865835	rs6546923	0.773
2	75736164	rs1049678	75746345	rs3213670	0.402
2	76612596	rs10193916	76615993	rs1921254	0.897
2	80429338	rs6711603	80471916	rs13396392	0.650
2	81519665	rs11887827	81544091	rs12468325	1.000
2	81519665	rs11887827	81626505	rs6715049	0.961
2	81544091	rs12468325	81626505	rs6715049	0.961
2	82079119	rs1521694	82081198	rs909045	0.989
2	82905461	rs17022516	82922840	rs17022594	0.959
2	88399634	rs1258410	88400714	rs1258407	1.000
2	99252733	rs1955393	99254889	rs901596	1.000
2	99760452	rs13419977	99762971	rs6755935	0.979
2	100566861	rs2970990	100567880	rs2309846	0.595
2	102375786	rs1420097	102375969	rs4851004	0.992
2	102375786	rs1420097	102377020	rs2287034	0.430
2	102375969	rs4851004	102377020	rs2287034	0.434
2	105097181	rs4266037	105097307	rs4271787	0.969
2	108152299	rs1563119	108230082	rs9646947	0.779
2	112457764	rs10180345	112486605	rs11683409	0.682
2	113552819	rs6759676	113553887	rs7574787	0.203
2	113553887	rs7574787	113565045	rs4849152	0.291
2	118228304	rs4848465	118235289	rs7559497	0.384
2	118624828	rs3849331	118644190	rs11123476	0.259
2	118624828	rs3849331	118663113	rs4849683	0.269
2	118644190	rs11123476	118663113	rs4849683	0.893
2	119266362	rs17006624	119298975	rs17006964	0.220
2	121419389	rs1466042	121767700	rs753727	0.235

2	121419389	rs1466042	122198612	rs7581005	0.244
2	121767700	rs753727	122198612	rs7581005	0.207
2	122316276	rs10460462	122317772	rs10460453	0.937
2	123023527	rs2091427	123042613	rs11122916	0.977
2	123023527	rs2091427	123106758	rs12474979	0.246
2	123042613	rs11122916	123106758	rs12474979	0.242
2	123168265	rs893743	123188589	rs12619304	0.694
2	123168265	rs893743	123206763	rs7607585	0.647
2	123168265	rs893743	123206801	rs17008553	0.647
2	123188589	rs12619304	123206763	rs7607585	0.936
2	123188589	rs12619304	123206801	rs17008553	0.936
2	123206763	rs7607585	123206801	rs17008553	1.000
2	123371606	rs17008879	123379760	rs1850585	0.340
2	123772494	rs13009000	123825683	rs993934	0.248
2	125766987	rs41393446	125997677	rs4849019	0.263
2	126681928	rs17013415	126711318	rs451639	0.312
2	126942871	rs11695820	127000106	rs10173017	0.365
2	129284172	rs3856370	129485802	rs17049013	0.274
2	129485802	rs17049013	129560995	rs1519446	0.222
2	131814612	rs6430737	131874454	rs941325	0.416
2	134303528	rs7592519	134307196	rs7607165	0.903
2	134397888	rs10928469	134414690	rs13409218	0.316
2	137057240	rs16855680	137058414	rs12691894	0.226
2	137685986	rs6713475	137696788	rs4610107	0.291
2	137685986	rs6713475	137696948	rs4954485	0.553
2	139627873	rs17755242	139631252	rs13029794	0.486
2	139627873	rs17755242	139709212	rs4954757	0.905
2	139631252	rs13029794	139709212	rs4954757	0.475
2	139842930	rs344696	139920877	rs10200212	0.368
2	139842930	rs344696	139921301	rs17712931	0.423
2	139842930	rs344696	140141111	rs2376454	0.201
2	139899653	rs7604667	139920877	rs10200212	0.258
2	139899653	rs7604667	139921301	rs17712931	0.211
2	139920877	rs10200212	139921301	rs17712931	0.866
2	139920877	rs10200212	140141111	rs2376454	0.364
2	139921301	rs17712931	140141111	rs2376454	0.403
2	141088732	rs10209173	141099297	rs547663	0.214
2	148393084	rs7601098	148393603	rs16828024	0.207
2	150216771	rs1526285	150254854	rs16827337	0.494
2	155957632	rs10932484	155963884	rs4664173	0.984
2	160772831	rs7588696	160780790	rs1350313	0.874
2	161849065	rs1267031	161857779	rs6720056	1.000
2	166694213	rs490463	166695014	rs17745411	0.491
2	166695014	rs17745411	166728262	rs4341952	0.232

2	168928347	rs2044958	168928396	rs2044959	0.988
2	168928347	rs2044958	168928713	rs41342544	1.000
2	168928396	rs2044959	168928713	rs41342544	0.988
2	169538297	rs2389605	169552855	rs6759156	0.398
2	169538297	rs2389605	169589746	rs13430236	0.261
2	169552855	rs6759156	169589746	rs13430236	0.389
2	170833364	rs3914752	170837608	rs908782	0.265
2	173640508	rs7573673	173673302	rs6758859	0.562
2	173640508	rs7573673	173800841	rs16861393	0.273
2	174640083	rs2044470	174682842	rs10930638	0.211
2	174640083	rs2044470	174688585	rs17239377	0.210
2	174682842	rs10930638	174688585	rs17239377	0.974
2	175310212	rs935866	175310260	rs2123117	0.982
2	175310212	rs935866	175349821	rs2244340	0.389
2	175310260	rs2123117	175349821	rs2244340	0.377
2	177357008	rs10177590	177364678	rs2696970	0.958
2	180649047	rs10497556	180653374	rs16867176	0.975
2	181846802	rs7566314	181883021	rs17365432	0.818
2	181846802	rs7566314	181897795	rs1371619	0.396
2	181883021	rs17365432	181897795	rs1371619	0.509
2	181897795	rs1371619	181950150	rs959633	0.204
2	182165046	rs16867450	182168626	rs16867452	1.000
2	185991563	rs17331619	186246637	rs11693975	0.464
2	186360004	rs1019429	186373677	rs36004074	0.894
2	186360004	rs1019429	186374069	rs11695215	0.894
2	186360004	rs1019429	186380157	rs1862066	0.894
2	186373677	rs36004074	186374069	rs11695215	1.000
2	186373677	rs36004074	186380157	rs1862066	1.000
2	186374069	rs11695215	186380157	rs1862066	1.000
2	186629611	rs10804002	186780020	rs4461230	0.309
2	186629611	rs10804002	187200987	rs10174098	0.229
2	187397582	rs7595459	187398066	rs7598838	1.000
2	187397582	rs7595459	187422167	rs6726153	0.705
2	187398066	rs7598838	187422167	rs6726153	0.705
2	191253392	rs2192008	191293520	rs6434412	0.302
2	191253392	rs2192008	191449442	rs11687659	0.349
2	191293520	rs6434412	191449442	rs11687659	0.478
2	191293520	rs6434412	191546449	rs6718902	0.399
2	191449442	rs11687659	191546449	rs6718902	0.321
2	196192437	rs1554168	196288141	rs16842044	0.306
2	196983848	rs7593761	197007679	rs7590951	0.701
2	197158863	rs10167169	197194201	rs7572953	0.414
2	199583342	rs1598656	199776297	rs10804088	0.377
2	202288513	rs10469756	202305680	rs12470229	0.847

2	205795364	rs1921797	205795592	rs6758662	0.378
2	205795364	rs1921797	205796347	rs10206071	0.378
2	205795364	rs1921797	205804065	rs7593566	0.335
2	205795592	rs6758662	205796347	rs10206071	1.000
2	205795592	rs6758662	205804065	rs7593566	0.870
2	205796347	rs10206071	205804065	rs7593566	0.870
2	207445996	rs12694063	207493189	rs2078	0.820
2	207448975	rs1031432	207493189	rs2078	0.211
2	208561544	rs10497890	208637557	rs10932231	0.249
2	214343577	rs2457183	214380536	rs11893486	0.573
2	214343577	rs2457183	214391459	rs1582839	0.223
2	214343577	rs2457183	214423220	rs4503943	0.575
2	214380536	rs11893486	214423220	rs4503943	0.933
2	217965888	rs6435981	217990872	rs2113828	0.885
2	222640734	rs348984	222680987	rs6436292	0.424
2	222640734	rs348984	222686533	rs2053319	0.399
2	222680987	rs6436292	222686533	rs2053319	0.932
2	226613705	rs12621261	226630137	rs11684232	0.988
2	226613705	rs12621261	226641531	rs4673157	0.965
2	226630137	rs11684232	226641531	rs4673157	0.953
2	227182674	rs1273810	227186131	rs1273812	1.000
2	227182674	rs1273810	227206764	rs12621407	0.837
2	227182674	rs1273810	227211369	rs2396385	0.714
2	227182674	rs1273810	227224085	rs1882579	0.714
2	227182674	rs1273810	227226692	rs1882580	0.714
2	227186131	rs1273812	227206764	rs12621407	0.837
2	227186131	rs1273812	227211369	rs2396385	0.714
2	227186131	rs1273812	227224085	rs1882579	0.714
2	227186131	rs1273812	227226692	rs1882580	0.714
2	227206764	rs12621407	227211369	rs2396385	0.891
2	227206764	rs12621407	227224085	rs1882579	0.891
2	227206764	rs12621407	227226692	rs1882580	0.891
2	227211369	rs2396385	227224085	rs1882579	1.000
2	227211369	rs2396385	227226692	rs1882580	1.000
2	227214712	rs17198764	227234630	rs2178707	0.908
2	227224085	rs1882579	227226692	rs1882580	1.000
2	229093994	rs996682	229098461	rs975519	0.937
2	229093994	rs996682	229102479	rs9288635	0.887
2	229093994	rs996682	229124541	rs918896	0.480
2	229093994	rs996682	229139165	rs1435850	0.739
2	229093994	rs996682	229166212	rs41330849	0.459
2	229098461	rs975519	229102479	rs9288635	0.968
2	229098461	rs975519	229124541	rs918896	0.425
2	229098461	rs975519	229139165	rs1435850	0.824

2	229098461	rs975519	229166212	rs41330849	0.418
2	229102479	rs9288635	229124541	rs918896	0.400
2	229102479	rs9288635	229139165	rs1435850	0.868
2	229102479	rs9288635	229166212	rs41330849	0.392
2	229124541	rs918896	229139165	rs1435850	0.305
2	229124541	rs918896	229166212	rs41330849	0.852
2	229139165	rs1435850	229166212	rs41330849	0.386
2	230304596	rs12468084	230461208	rs546530	0.839
2	230304596	rs12468084	230528844	rs6757156	0.352
2	230461208	rs546530	230528844	rs6757156	0.408
2	230734072	rs16826767	230734362	rs6755898	0.910
2	232857983	rs11901692	232867061	rs6746834	0.913
2	233080644	rs1881495	233126885	rs3791725	0.402
2	233578610	rs1104953	233580344	rs10193545	0.289
2	235229041	rs6715142	235230882	rs11687004	0.854
2	235229041	rs6715142	235252279	rs4663470	0.559
2	235230882	rs11687004	235252279	rs4663470	0.457
2	238132139	rs2875729	238157857	rs6431547	0.252
2	238898471	rs4663304	239138174	rs4663907	0.295
2	239180160	rs12619578	239233691	rs1397328	0.383
2	239180160	rs12619578	239252712	rs7558129	0.321
2	239233691	rs1397328	239252712	rs7558129	0.931
2	240888050	rs7607116	240891998	rs12474682	0.688
2	241242617	rs2060188	241243318	rs10933628	1.000
3	853511	rs12495737	883745	rs12637032	0.563
3	7595382	rs7614915	7595828	rs1485174	0.987
3	8455539	rs1695564	8465918	rs358270	0.757
3	8455539	rs1695564	8467724	rs358267	0.758
3	8455539	rs1695564	8469627	rs1038483	0.564
3	8455539	rs1695564	8519420	rs9861544	0.267
3	8455539	rs1695564	8533515	rs4143966	0.337
3	8455539	rs1695564	8537637	rs1947220	0.312
3	8455539	rs1695564	8543956	rs1493588	0.230
3	8465918	rs358270	8467724	rs358267	0.981
3	8465918	rs358270	8469627	rs1038483	0.753
3	8465918	rs358270	8533515	rs4143966	0.242
3	8465918	rs358270	8537637	rs1947220	0.222
3	8465918	rs358270	8543956	rs1493588	0.201
3	8465918	rs358270	8545874	rs9810512	0.210
3	8467724	rs358267	8469627	rs1038483	0.748
3	8467724	rs358267	8519420	rs9861544	0.206
3	8467724	rs358267	8533515	rs4143966	0.249
3	8467724	rs358267	8537637	rs1947220	0.229
3	8467724	rs358267	8543956	rs1493588	0.204

3	8467724	rs358267	8545874	rs9810512	0.213
3	8469627	rs1038483	8519420	rs9861544	0.266
3	8469627	rs1038483	8533515	rs4143966	0.305
3	8469627	rs1038483	8537637	rs1947220	0.288
3	8469627	rs1038483	8543956	rs1493588	0.270
3	8469627	rs1038483	8545874	rs9810512	0.280
3	8519420	rs9861544	8524665	rs1994876	0.321
3	8519420	rs9861544	8533515	rs4143966	0.472
3	8519420	rs9861544	8537637	rs1947220	0.455
3	8519420	rs9861544	8543956	rs1493588	0.401
3	8519420	rs9861544	8545874	rs9810512	0.410
3	8524665	rs1994876	8533515	rs4143966	0.498
3	8524665	rs1994876	8537637	rs1947220	0.474
3	8524665	rs1994876	8543956	rs1493588	0.630
3	8524665	rs1994876	8545874	rs9810512	0.617
3	8533515	rs4143966	8537637	rs1947220	0.936
3	8533515	rs4143966	8543956	rs1493588	0.757
3	8533515	rs4143966	8545874	rs9810512	0.781
3	8537637	rs1947220	8543956	rs1493588	0.774
3	8537637	rs1947220	8545874	rs9810512	0.798
3	8543956	rs1493588	8545874	rs9810512	0.980
3	8614568	rs371734	8620740	rs9878735	0.419
3	9016299	rs486012	9021906	rs341795	0.932
3	9016299	rs486012	9025659	rs341788	0.423
3	9021906	rs341795	9025659	rs341788	0.415
3	9098116	rs2669986	9111060	rs531719	0.684
3	9677755	rs6809387	9711452	rs12490544	0.583
3	13882158	rs6442417	14159670	rs8516	0.224
3	16164025	rs10510446	16168521	rs2657589	0.972
3	17311423	rs283907	17477922	rs7644389	0.895
3	19019071	rs7433351	19022444	rs7433126	1.000
3	19019071	rs7433351	19025360	rs6550864	0.809
3	19019071	rs7433351	19025817	rs7638224	0.986
3	19019071	rs7433351	19058788	rs9681366	0.844
3	19019071	rs7433351	19066516	rs13090408	0.804
3	19019071	rs7433351	19092122	rs7612947	0.920
3	19022444	rs7433126	19025360	rs6550864	0.809
3	19022444	rs7433126	19025817	rs7638224	0.986
3	19022444	rs7433126	19058788	rs9681366	0.844
3	19022444	rs7433126	19066516	rs13090408	0.804
3	19022444	rs7433126	19092122	rs7612947	0.920
3	19025360	rs6550864	19025817	rs7638224	0.820
3	19025360	rs6550864	19058788	rs9681366	0.956
3	19025360	rs6550864	19066516	rs13090408	0.912

3	19025360	rs6550864	19092122	rs7612947	0.779
3	19025817	rs7638224	19058788	rs9681366	0.856
3	19025817	rs7638224	19066516	rs13090408	0.815
3	19025817	rs7638224	19092122	rs7612947	0.933
3	19058788	rs9681366	19066516	rs13090408	0.956
3	19058788	rs9681366	19092122	rs7612947	0.841
3	19066516	rs13090408	19092122	rs7612947	0.853
3	20440212	rs6793327	20499811	rs679267	0.217
3	22275887	rs2728988	22309107	rs1491881	0.344
3	25450886	rs4681024	25450928	rs4681025	1.000
3	30970990	rs1494741	31002768	rs6772140	0.557
3	33545331	rs9817055	33780565	rs9311026	0.373
3	34915736	rs885314	34950049	rs11129626	0.929
3	34915736	rs885314	35052013	rs17032625	0.340
3	34950049	rs11129626	35052013	rs17032625	0.381
3	36652151	rs999745	36656030	rs5009838	0.272
3	36652151	rs999745	36656248	rs11710386	0.573
3	36656030	rs5009838	36656248	rs11710386	0.471
3	38103093	rs17037369	38119879	rs6599263	0.540
3	38160178	rs6767684	38287376	rs3805040	0.344
3	38734720	rs9311196	38764283	rs12491593	0.762
3	40160639	rs4132209	40170210	rs2679807	0.565
3	45971505	rs4388012	46099422	rs17215981	0.916
3	46241730	rs11919943	46479320	rs9862388	0.218
3	47842731	rs3772399	47859957	rs319694	0.921
3	48299470	rs9837228	48345773	rs13090538	0.711
3	54364155	rs1530733	54459140	rs6445664	0.371
3	54431818	rs9817603	54459140	rs6445664	0.312
3	54916481	rs9808962	54916618	rs1918070	1.000
3	54946579	rs2048805	54962963	rs3821659	0.834
3	55671242	rs2702139	55685495	rs815416	0.467
3	56116883	rs7647972	56233367	rs1452220	0.729
3	56116883	rs7647972	56245378	rs9873480	0.526
3	56123924	rs9874662	56129715	rs17056472	0.700
3	56123924	rs9874662	56130461	rs7625422	0.669
3	56129715	rs17056472	56130461	rs7625422	0.923
3	56233367	rs1452220	56245378	rs9873480	0.760
3	58136814	rs2178773	58171883	rs6807301	0.388
3	62187107	rs4072198	62256476	rs2242352	0.251
3	62187107	rs4072198	62279360	rs9883112	0.345
3	62256476	rs2242352	62279360	rs9883112	0.492
3	63260778	rs11130920	63282908	rs1451312	0.858
3	63260778	rs11130920	63306518	rs13061130	0.208
3	63282908	rs1451312	63306518	rs13061130	0.247

3	63538798	rs6785893	63542394	rs17399554	0.266
3	64483477	rs10470705	64510911	rs7642335	0.484
3	64510911	rs7642335	65307422	rs9854952	0.211
3	65163493	rs988487	65172526	rs2371864	0.375
3	65401481	rs6762815	65415821	rs4375986	0.569
3	65401481	rs6762815	65493500	rs13077233	0.388
3	65415821	rs4375986	65493500	rs13077233	0.541
3	65576699	rs7612634	65576717	rs7612636	1.000
3	65576699	rs7612634	65576735	rs7612644	1.000
3	65576717	rs7612636	65576735	rs7612644	1.000
3	65785954	rs1495448	65804384	rs10510947	0.795
3	68923672	rs876535	68940970	rs4855516	0.766
3	68923672	rs876535	68952118	rs2130439	0.425
3	68923672	rs876535	68956675	rs10470577	0.351
3	68940970	rs4855516	68952118	rs2130439	0.437
3	68940970	rs4855516	68956675	rs10470577	0.371
3	68952118	rs2130439	68956675	rs10470577	0.568
3	71555237	rs7630905	71556906	rs17656368	0.777
3	72065199	rs4552321	72065251	rs4345037	1.000
3	72587344	rs2118592	72599055	rs934840	0.266
3	75043354	rs9828888	75072673	rs4420916	0.735
3	75043354	rs9828888	75173405	rs6785246	0.760
3	75043354	rs9828888	75180559	rs4635750	0.598
3	75043354	rs9828888	75277146	rs6549701	0.682
3	75043354	rs9828888	75285062	rs9877751	0.521
3	75043354	rs9828888	75332099	rs13083349	0.531
3	75043354	rs9828888	75352178	rs4072316	0.268
3	75072673	rs4420916	75173405	rs6785246	0.568
3	75072673	rs4420916	75180559	rs4635750	0.791
3	75072673	rs4420916	75277146	rs6549701	0.445
3	75072673	rs4420916	75285062	rs9877751	0.673
3	75072673	rs4420916	75332099	rs13083349	0.370
3	75072673	rs4420916	75352178	rs4072316	0.363
3	75173405	rs6785246	75180559	rs4635750	0.509
3	75173405	rs6785246	75277146	rs6549701	0.838
3	75173405	rs6785246	75285062	rs9877751	0.502
3	75173405	rs6785246	75332099	rs13083349	0.628
3	75180559	rs4635750	75277146	rs6549701	0.499
3	75180559	rs4635750	75285062	rs9877751	0.838
3	75180559	rs4635750	75332099	rs13083349	0.382
3	75180559	rs4635750	75352178	rs4072316	0.455
3	75277146	rs6549701	75285062	rs9877751	0.635
3	75277146	rs6549701	75332099	rs13083349	0.723
3	75277146	rs6549701	75352178	rs4072316	0.254

3	75285062	rs9877751	75332099	rs13083349	0.463
3	75285062	rs9877751	75352178	rs4072316	0.498
3	75332099	rs13083349	75352178	rs4072316	0.370
3	77388581	rs9876344	77405024	rs9882239	0.391
3	80553686	rs9883980	80682502	rs7431461	0.657
3	80677712	rs1406781	80887895	rs6786939	0.692
3	80887895	rs6786939	81235306	rs2578318	0.232
3	81212634	rs17018482	81235306	rs2578318	0.230
3	81859450	rs3772891	81935613	rs1464790	0.541
3	81859450	rs3772891	81974721	rs1524557	0.489
3	81859450	rs3772891	81976619	rs1464791	0.330
3	81859450	rs3772891	82034150	rs7621968	0.325
3	81935613	rs1464790	81974721	rs1524557	0.863
3	81935613	rs1464790	81976619	rs1464791	0.641
3	81935613	rs1464790	82034150	rs7621968	0.511
3	81974721	rs1524557	81976619	rs1464791	0.741
3	81974721	rs1524557	82034150	rs7621968	0.570
3	81976619	rs1464791	82034150	rs7621968	0.726
3	85922061	rs9836755	86250563	rs13093396	0.231
3	89953636	rs7634358	89987959	rs7633240	0.984
3	89953636	rs7634358	90034988	rs12106694	0.984
3	89987959	rs7633240	90034988	rs12106694	1.000
3	95031169	rs9289536	95073766	rs9713061	0.973
3	96692513	rs11919338	96693865	rs4574293	0.521
3	96692513	rs11919338	96760311	rs6787987	0.479
3	96692513	rs11919338	96817623	rs6803348	0.441
3	96693865	rs4574293	96760311	rs6787987	0.922
3	97625924	rs9874467	97643917	rs326296	0.870
3	100902882	rs1610265	100962239	rs4928220	0.713
3	100902882	rs1610265	101163597	rs6792339	0.771
3	100962239	rs4928220	101163597	rs6792339	0.874
3	103451607	rs11720464	103456100	rs16844885	0.986
3	105899251	rs9841288	105901394	rs2633702	0.392
3	106825705	rs4894936	106828663	rs2083948	0.230
3	107371754	rs9872358	107385166	rs1871274	0.903
3	107371754	rs9872358	107415425	rs13085623	0.388
3	107372793	rs7632189	107504190	rs7614488	0.215
3	107385166	rs1871274	107415425	rs13085623	0.433
3	108005925	rs4895039	108010714	rs2049118	0.858
3	108005925	rs4895039	108011334	rs1520717	0.583
3	108010714	rs2049118	108011334	rs1520717	0.672
3	110180266	rs2715734	110198158	rs7637739	0.764
3	110771783	rs1533855	110782976	rs1729595	0.829
3	110771783	rs1533855	110783010	rs1729594	0.805

3	110771783	rs1533855	110785471	rs1729590	0.813
3	110771783	rs1533855	110807269	rs1729622	0.591
3	110771783	rs1533855	110814933	rs1729616	0.591
3	110782976	rs1729595	110783010	rs1729594	0.971
3	110782976	rs1729595	110785471	rs1729590	0.990
3	110782976	rs1729595	110807269	rs1729622	0.727
3	110782976	rs1729595	110814933	rs1729616	0.727
3	110783010	rs1729594	110785471	rs1729590	0.981
3	110783010	rs1729594	110807269	rs1729622	0.720
3	110783010	rs1729594	110814933	rs1729616	0.720
3	110785471	rs1729590	110807269	rs1729622	0.713
3	110785471	rs1729590	110814933	rs1729616	0.713
3	110807269	rs1729622	110814933	rs1729616	1.000
3	112471474	rs16857885	112486553	rs13083225	0.577
3	112485064	rs1489024	112486553	rs13083225	0.246
3	113083848	rs17490973	113193088	rs17429033	0.612
3	113411650	rs13069887	113422075	rs4347976	0.272
3	120022936	rs12629898	120082765	rs962115	0.445
3	120986830	rs11712211	120989570	rs1403527	1.000
3	122016954	rs556346	122018119	rs936849	0.352
3	124219868	rs7629297	124236663	rs1123613	0.532
3	124356613	rs2717225	124419559	rs9868971	0.213
3	124356613	rs2717225	124447590	rs12493729	0.201
3	124419559	rs9868971	124447590	rs12493729	0.985
3	125622819	rs6787049	125639321	rs963651	0.984
3	126184698	rs6763492	126204193	rs6795558	0.727
3	126659411	rs7636858	126675824	rs7610077	0.529
3	127647472	rs777491	127669194	rs777496	0.799
3	129358064	rs11716941	129429478	rs9830294	0.440
3	129358064	rs11716941	129476313	rs2999061	0.928
3	129429478	rs9830294	129476313	rs2999061	0.485
3	132237816	rs903046	132263544	rs6794179	1.000
3	132237816	rs903046	132313061	rs16835887	0.976
3	132237816	rs903046	132342177	rs1515909	0.964
3	132237816	rs903046	132346904	rs2718860	0.964
3	132237816	rs903046	132350485	rs6439277	0.952
3	132263544	rs6794179	132313061	rs16835887	0.976
3	132263544	rs6794179	132342177	rs1515909	0.964
3	132263544	rs6794179	132346904	rs2718860	0.964
3	132263544	rs6794179	132350485	rs6439277	0.952
3	132267796	rs1389271	132303784	rs13094108	0.891
3	132267796	rs1389271	132338545	rs925779	0.715
3	132303784	rs13094108	132338545	rs925779	0.810
3	132313061	rs16835887	132342177	rs1515909	0.988

3	132313061	rs16835887	132346904	rs2718860	0.988
3	132313061	rs16835887	132350485	rs6439277	0.976
3	132342177	rs1515909	132346904	rs2718860	1.000
3	132342177	rs1515909	132350485	rs6439277	0.988
3	132346904	rs2718860	132350485	rs6439277	0.988
3	132430699	rs10512802	132474804	rs16836261	0.223
3	132430699	rs10512802	132564794	rs16836493	0.250
3	132474804	rs16836261	132557020	rs1427835	0.806
3	132474804	rs16836261	132564794	rs16836493	0.554
3	132557020	rs1427835	132564794	rs16836493	0.720
3	132564794	rs16836493	133172286	rs1381083	0.211
3	134157013	rs17431810	134207602	rs9873398	0.208
3	134157013	rs17431810	134208053	rs1013391	0.331
3	134157013	rs17431810	134208565	rs6763815	0.208
3	134157013	rs17431810	134219072	rs6439381	0.324
3	134157013	rs17431810	134227201	rs2369967	0.444
3	134157013	rs17431810	134234389	rs1464403	0.313
3	134157013	rs17431810	134238872	rs7633217	0.433
3	134157013	rs17431810	134243117	rs1568478	0.287
3	134188001	rs9824252	134207602	rs9873398	0.957
3	134188001	rs9824252	134208053	rs1013391	0.704
3	134188001	rs9824252	134208565	rs6763815	0.957
3	134188001	rs9824252	134219072	rs6439381	0.707
3	134188001	rs9824252	134227201	rs2369967	0.333
3	134188001	rs9824252	134234389	rs1464403	0.679
3	134188001	rs9824252	134238872	rs7633217	0.331
3	134188001	rs9824252	134243117	rs1568478	0.579
3	134188001	rs9824252	134245860	rs4854680	0.536
3	134207602	rs9873398	134208053	rs1013391	0.755
3	134207602	rs9873398	134208565	rs6763815	1.000
3	134207602	rs9873398	134219072	rs6439381	0.757
3	134207602	rs9873398	134227201	rs2369967	0.373
3	134207602	rs9873398	134234389	rs1464403	0.731
3	134207602	rs9873398	134238872	rs7633217	0.370
3	134207602	rs9873398	134243117	rs1568478	0.629
3	134207602	rs9873398	134245860	rs4854680	0.587
3	134207602	rs9873398	134250282	rs7631593	0.317
3	134208053	rs1013391	134208565	rs6763815	0.755
3	134208053	rs1013391	134219072	rs6439381	1.000
3	134208053	rs1013391	134227201	rs2369967	0.528
3	134208053	rs1013391	134234389	rs1464403	0.968
3	134208053	rs1013391	134238872	rs7633217	0.521
3	134208053	rs1013391	134243117	rs1568478	0.833
3	134208053	rs1013391	134245860	rs4854680	0.808

3	134208053	rs1013391	134250282	rs7631593	0.469
3	134208053	rs1013391	134259591	rs2049149	0.596
3	134208565	rs6763815	134219072	rs6439381	0.757
3	134208565	rs6763815	134227201	rs2369967	0.373
3	134208565	rs6763815	134234389	rs1464403	0.731
3	134208565	rs6763815	134238872	rs7633217	0.370
3	134208565	rs6763815	134243117	rs1568478	0.629
3	134208565	rs6763815	134245860	rs4854680	0.587
3	134208565	rs6763815	134250282	rs7631593	0.317
3	134208565	rs6763815	134259591	rs2049149	0.822
3	134208565	rs6763815	134273376	rs4496483	0.784
3	134219072	rs6439381	134227201	rs2369967	0.530
3	134219072	rs6439381	134234389	rs1464403	0.968
3	134219072	rs6439381	134238872	rs7633217	0.524
3	134219072	rs6439381	134243117	rs1568478	0.834
3	134219072	rs6439381	134245860	rs4854680	0.810
3	134219072	rs6439381	134250282	rs7631593	0.471
3	134219072	rs6439381	134259591	rs2049149	0.601
3	134219072	rs6439381	134273376	rs4496483	0.626
3	134219072	rs6439381	134280489	rs2369970	0.208
3	134227201	rs2369967	134234389	rs1464403	0.531
3	134227201	rs2369967	134238872	rs7633217	0.983
3	134227201	rs2369967	134243117	rs1568478	0.579
3	134227201	rs2369967	134245860	rs4854680	0.588
3	134227201	rs2369967	134250282	rs7631593	0.841
3	134227201	rs2369967	134259591	rs2049149	0.356
3	134227201	rs2369967	134273376	rs4496483	0.283
3	134227201	rs2369967	134280489	rs2369970	0.529
3	134234389	rs1464403	134238872	rs7633217	0.537
3	134234389	rs1464403	134243117	rs1568478	0.861
3	134234389	rs1464403	134245860	rs4854680	0.835
3	134234389	rs1464403	134250282	rs7631593	0.482
3	134234389	rs1464403	134259591	rs2049149	0.627
3	134234389	rs1464403	134273376	rs4496483	0.643
3	134234389	rs1464403	134280489	rs2369970	0.219
3	134238872	rs7633217	134243117	rs1568478	0.596
3	134238872	rs7633217	134245860	rs4854680	0.605
3	134238872	rs7633217	134250282	rs7631593	0.870
3	134238872	rs7633217	134259591	rs2049149	0.372
3	134238872	rs7633217	134273376	rs4496483	0.285
3	134238872	rs7633217	134280489	rs2369970	0.555
3	134243117	rs1568478	134245860	rs4854680	0.968
3	134243117	rs1568478	134250282	rs7631593	0.553
3	134243117	rs1568478	134259591	rs2049149	0.688

3	134243117	rs1568478	134273376	rs4496483	0.582
3	134243117	rs1568478	134280489	rs2369970	0.245
3	134245860	rs4854680	134250282	rs7631593	0.574
3	134245860	rs4854680	134259591	rs2049149	0.656
3	134245860	rs4854680	134273376	rs4496483	0.552
3	134245860	rs4854680	134280489	rs2369970	0.266
3	134250282	rs7631593	134259591	rs2049149	0.343
3	134250282	rs7631593	134273376	rs4496483	0.257
3	134250282	rs7631593	134280489	rs2369970	0.482
3	134259591	rs2049149	134273376	rs4496483	0.806
3	135555339	rs2400279	135589184	rs2400273	0.417
3	136129859	rs36178	136129897	rs39704	1.000
3	136129859	rs36178	136150839	rs4955459	0.688
3	136129859	rs36178	136153214	rs7644369	0.664
3	136129897	rs39704	136150839	rs4955459	0.688
3	136129897	rs39704	136153214	rs7644369	0.664
3	136150839	rs4955459	136153214	rs7644369	0.982
3	136763460	rs6439578	136763883	rs7621220	0.881
3	138570477	rs10222397	138638963	rs4678337	0.400
3	141775226	rs347973	141863447	rs9881950	0.379
3	141775226	rs347973	141886682	rs3913019	0.495
3	141775226	rs347973	141890495	rs4683516	0.375
3	141798405	rs16850633	141813475	rs1499876	0.987
3	141798405	rs16850633	141835923	rs1696201	0.557
3	141798405	rs16850633	141863447	rs9881950	0.206
3	141798405	rs16850633	141881767	rs698666	0.743
3	141798405	rs16850633	141890495	rs4683516	0.230
3	141813475	rs1499876	141835923	rs1696201	0.569
3	141813475	rs1499876	141863447	rs9881950	0.215
3	141813475	rs1499876	141881767	rs698666	0.755
3	141813475	rs1499876	141890495	rs4683516	0.237
3	141835923	rs1696201	141881767	rs698666	0.746
3	141835923	rs1696201	141886682	rs3913019	0.311
3	141835923	rs1696201	141890495	rs4683516	0.343
3	141863447	rs9881950	141881767	rs698666	0.353
3	141863447	rs9881950	141886682	rs3913019	0.800
3	141863447	rs9881950	141890495	rs4683516	0.777
3	141881767	rs698666	141886682	rs3913019	0.256
3	141881767	rs698666	141890495	rs4683516	0.384
3	141886682	rs3913019	141890495	rs4683516	0.795
3	142268524	rs10935417	142273269	rs9823690	0.496
3	142428375	rs967526	142480315	rs1877223	0.260
3	145148707	rs17602500	145203559	rs6778627	0.595
3	145148707	rs17602500	145218205	rs4527375	0.823

3	145148707	rs17602500	145218290	rs4613453	0.823
3	145148707	rs17602500	145219064	rs7611326	0.821
3	145148707	rs17602500	145238877	rs1025984	0.593
3	145148707	rs17602500	145302196	rs1530477	0.590
3	145203559	rs6778627	145218205	rs4527375	0.707
3	145203559	rs6778627	145218290	rs4613453	0.707
3	145203559	rs6778627	145219064	rs7611326	0.711
3	145203559	rs6778627	145238877	rs1025984	0.970
3	145203559	rs6778627	145302196	rs1530477	0.508
3	145218205	rs4527375	145218290	rs4613453	1.000
3	145218205	rs4527375	145219064	rs7611326	1.000
3	145218205	rs4527375	145238877	rs1025984	0.690
3	145218205	rs4527375	145302196	rs1530477	0.700
3	145218290	rs4613453	145219064	rs7611326	1.000
3	145218290	rs4613453	145238877	rs1025984	0.690
3	145218290	rs4613453	145302196	rs1530477	0.700
3	145219064	rs7611326	145238877	rs1025984	0.694
3	145219064	rs7611326	145302196	rs1530477	0.697
3	145238877	rs1025984	145302196	rs1530477	0.502
3	146711304	rs13091557	146721568	rs4470459	0.991
3	146711304	rs13091557	146736032	rs6792834	0.963
3	146721568	rs4470459	146736032	rs6792834	0.954
3	151992294	rs6769917	151998413	rs41454348	0.347
3	154798092	rs3846073	154803470	rs16822807	0.314
3	156556033	rs4561871	156561704	rs3924188	0.988
3	160526956	rs1349165	160526972	rs1349166	0.986
3	160968833	rs13075534	161011416	rs7631400	0.698
3	165313941	rs1375846	165319181	rs1375832	1.000
3	165313941	rs1375846	165341254	rs1349285	1.000
3	165313941	rs1375846	165353361	rs10936408	1.000
3	165313941	rs1375846	165377741	rs12495540	0.601
3	165319181	rs1375832	165341254	rs1349285	1.000
3	165319181	rs1375832	165353361	rs10936408	1.000
3	165319181	rs1375832	165377741	rs12495540	0.601
3	165341254	rs1349285	165353361	rs10936408	1.000
3	165341254	rs1349285	165377741	rs12495540	0.601
3	165353361	rs10936408	165377741	rs12495540	0.601
3	166990796	rs9873779	166991935	rs2089885	1.000
3	168786179	rs4274741	168847165	rs9829009	0.578
3	170169342	rs17462877	170273620	rs9823691	0.201
3	171011143	rs10936601	171017960	rs6793160	0.419
3	171672199	rs1990805	171793139	rs12496334	0.336
3	171672199	rs1990805	171815244	rs17289591	0.347
3	171793139	rs12496334	171815244	rs17289591	0.691

3	172294361	rs16855789	172294982	rs12486611	0.978
3	174832272	rs11916259	174845059	rs16828950	0.758
3	174963401	rs1352416	175046630	rs6779415	0.409
3	175036477	rs9829309	175046630	rs6779415	0.324
3	175619121	rs12632079	175619311	rs12637543	0.951
3	175968504	rs507227	175978617	rs500999	0.345
3	176214706	rs9863905	176220123	rs9863038	0.202
3	176220123	rs9863038	176238845	rs9831769	0.268
3	178904969	rs6798789	178908229	rs1499810	0.222
3	178904969	rs6798789	178914424	rs4857726	0.222
3	178908229	rs1499810	178914424	rs4857726	0.979
3	181445006	rs1608796	181464665	rs3906013	0.455
3	181445006	rs1608796	181802675	rs1532485	0.264
3	181464665	rs3906013	181664718	rs1497891	0.288
3	181464665	rs3906013	181747437	rs904241	0.310
3	181464665	rs3906013	181781172	rs6791597	0.285
3	181464665	rs3906013	181802675	rs1532485	0.222
3	181588372	rs7629793	181747437	rs904241	0.363
3	181588372	rs7629793	181781172	rs6791597	0.388
3	181664718	rs1497891	181747437	rs904241	0.576
3	181664718	rs1497891	181781172	rs6791597	0.526
3	181664718	rs1497891	181802675	rs1532485	0.558
3	181747437	rs904241	181781172	rs6791597	0.954
3	181747437	rs904241	181802675	rs1532485	0.283
3	181781172	rs6791597	181802675	rs1532485	0.278
3	183980377	rs6788905	183981452	rs9878953	0.986
3	184611932	rs4859184	184677420	rs2971460	0.226
3	186117711	rs6788431	186201847	rs4686948	0.406
3	188201439	rs13322676	188223915	rs3872724	0.309
3	188593677	rs2102860	188636560	rs2687926	0.672
3	188705061	rs9830704	188716825	rs6774087	0.250
3	188873838	rs17728902	188931691	rs6762932	0.236
3	190732822	rs17429491	190743319	rs1364596	0.547
3	190732822	rs17429491	190764506	rs3846096	0.407
3	190743319	rs1364596	190764506	rs3846096	0.818
3	190743319	rs1364596	190823284	rs1881990	0.382
3	190764506	rs3846096	190823284	rs1881990	0.360
3	191253292	rs7632740	191273841	rs1403414	0.600
3	191253292	rs7632740	191280803	rs1522930	0.335
3	191273841	rs1403414	191280803	rs1522930	0.509
3	191462419	rs2378568	191467837	rs17427594	0.329
3	191462419	rs2378568	191473777	rs9837705	0.351
3	191473777	rs9837705	191510966	rs3774028	0.400
3	193459773	rs6793796	193461726	rs4687304	0.693

3	198797165	rs9859281	198797230	rs9842166	0.573
3	198797165	rs9859281	198799512	rs2082270	0.268
3	198797165	rs9859281	198812273	rs7613131	0.299
3	198797230	rs9842166	198799512	rs2082270	0.369
3	198799512	rs2082270	198812273	rs7613131	0.629
4	2124815	rs554222	2130692	rs10488836	0.777
4	3131244	rs3025838	3279182	rs41347150	0.282
4	5292472	rs6817353	5880158	rs3821936	0.392
4	5434203	rs16837064	5435157	rs10937641	0.779
4	7058979	rs10013211	7098003	rs11931598	0.263
4	7511247	rs731634	7514665	rs7675528	0.439
4	9733039	rs10516201	9783237	rs4697718	0.448
4	9733039	rs10516201	9797020	rs4697727	0.351
4	9733039	rs10516201	9817876	rs6826450	0.379
4	9733039	rs10516201	9817986	rs6855489	0.379
4	9733039	rs10516201	9924194	rs17477561	0.654
4	9733917	rs4444830	9797020	rs4697727	0.221
4	9783237	rs4697718	9797020	rs4697727	0.760
4	9783237	rs4697718	9817876	rs6826450	0.832
4	9783237	rs4697718	9817986	rs6855489	0.832
4	9783237	rs4697718	9899824	rs7692559	0.327
4	9783237	rs4697718	9924194	rs17477561	0.592
4	9797020	rs4697727	9817876	rs6826450	0.912
4	9797020	rs4697727	9817986	rs6855489	0.912
4	9797020	rs4697727	9899824	rs7692559	0.417
4	9797020	rs4697727	9924194	rs17477561	0.524
4	9817876	rs6826450	9817986	rs6855489	1.000
4	9817876	rs6826450	9899824	rs7692559	0.398
4	9817876	rs6826450	9924194	rs17477561	0.565
4	9817986	rs6855489	9899824	rs7692559	0.398
4	9817986	rs6855489	9924194	rs17477561	0.565
4	9899824	rs7692559	9924194	rs17477561	0.244
4	10571494	rs11736131	10582659	rs10025796	0.939
4	10571494	rs11736131	10611626	rs2128863	0.249
4	10571494	rs11736131	10617880	rs2869765	0.256
4	10582659	rs10025796	10611626	rs2128863	0.272
4	10582659	rs10025796	10617880	rs2869765	0.265
4	10611626	rs2128863	10617880	rs2869765	0.952
4	10687755	rs7681347	10691247	rs7685923	1.000
4	10687755	rs7681347	10701650	rs4697838	1.000
4	10687755	rs7681347	10701939	rs4697839	1.000
4	10687755	rs7681347	10784850	rs7659670	0.220
4	10691247	rs7685923	10701650	rs4697838	1.000
4	10691247	rs7685923	10701939	rs4697839	1.000

4	10691247	rs7685923	10784850	rs7659670	0.220
4	10701650	rs4697838	10701939	rs4697839	1.000
4	10701650	rs4697838	10784850	rs7659670	0.220
4	10701939	rs4697839	10784850	rs7659670	0.220
4	10728210	rs16878217	10730190	rs16878245	0.977
4	11216599	rs10488990	11219566	rs2108955	0.205
4	12666968	rs481266	12691442	rs497117	0.222
4	14360658	rs4577573	14391557	rs4502675	0.360
4	14391557	rs4502675	14399576	rs12502866	0.626
4	17176453	rs13103430	17217982	rs4698629	0.427
4	17176453	rs13103430	17239290	rs4698634	0.401
4	17217982	rs4698629	17239290	rs4698634	0.635
4	18871602	rs312352	19164533	rs4642242	0.208
4	19054034	rs9995581	19118623	rs4577579	0.279
4	19054034	rs9995581	19203653	rs16868634	0.785
4	19054034	rs9995581	19216491	rs1032258	0.785
4	19115959	rs4440215	19118623	rs4577579	0.214
4	19118623	rs4577579	19164533	rs4642242	0.230
4	19164533	rs4642242	19190933	rs11734810	0.288
4	19203653	rs16868634	19216491	rs1032258	1.000
4	20694428	rs6817687	20697443	rs4599408	0.894
4	20781183	rs1836087	20781282	rs6821250	1.000
4	20781183	rs1836087	20790093	rs1319225	0.909
4	20781282	rs6821250	20790093	rs1319225	0.909
4	24427607	rs800453	24482702	rs13131918	0.484
4	24427607	rs800453	24495197	rs4697489	0.513
4	24482702	rs13131918	24495197	rs4697489	0.883
4	25654795	rs6841440	25655054	rs7684555	0.918
4	25654795	rs6841440	25657239	rs2137231	0.592
4	25655054	rs7684555	25657239	rs2137231	0.591
4	25951636	rs6821126	25966991	rs2153155	0.306
4	25966991	rs2153155	26051306	rs13134710	0.433
4	26458873	rs10939139	26461536	rs7660174	0.481
4	26458873	rs10939139	26462750	rs7671671	0.736
4	26458873	rs10939139	26571971	rs10032186	0.553
4	26461536	rs7660174	26462750	rs7671671	0.632
4	26461536	rs7660174	26571971	rs10032186	0.231
4	26462750	rs7671671	26571971	rs10032186	0.462
4	28188118	rs2458628	28261899	rs2101697	0.638
4	30118029	rs1588610	30131509	rs10031821	0.969
4	30118029	rs1588610	30142909	rs1818442	0.692
4	30118029	rs1588610	30239480	rs767478	0.343
4	30131509	rs10031821	30142909	rs1818442	0.671
4	30131509	rs10031821	30239480	rs767478	0.326

4	30142909	rs1818442	30239480	rs767478	0.517
4	31757023	rs10014802	31773932	rs11133180	0.326
4	31773932	rs11133180	31825250	rs1118106	0.316
4	31845118	rs17080915	31845304	rs17299248	0.497
4	31845118	rs17080915	31864983	rs902658	0.501
4	31845118	rs17080915	31865170	rs2404759	0.501
4	31845304	rs17299248	31864983	rs902658	0.848
4	31845304	rs17299248	31865170	rs2404759	0.848
4	31864983	rs902658	31865170	rs2404759	1.000
4	32706365	rs9306915	32739241	rs9990848	0.540
4	32706365	rs9306915	32742832	rs28577134	0.457
4	32739241	rs9990848	32742832	rs28577134	0.809
4	36786141	rs13144081	36864308	rs1342993	0.246
4	37702617	rs933820	37708185	rs6820715	0.691
4	37702617	rs933820	37708322	rs10018836	0.675
4	37708185	rs6820715	37708322	rs10018836	0.966
4	42020972	rs2632689	42038947	rs1565113	0.604
4	42052652	rs2632698	42052845	rs2719949	0.569
4	42052652	rs2632698	42077641	rs1386617	0.458
4	42052652	rs2632698	42081595	rs2719950	0.523
4	42052652	rs2632698	42086461	rs2719959	0.415
4	42052845	rs2719949	42077641	rs1386617	0.235
4	42052845	rs2719949	42081595	rs2719950	0.783
4	42052845	rs2719949	42086461	rs2719959	0.591
4	42077641	rs1386617	42081595	rs2719950	0.353
4	42077641	rs1386617	42086461	rs2719959	0.294
4	42081595	rs2719950	42086461	rs2719959	0.734
4	42086461	rs2719959	42304596	rs35487523	0.226
4	44781944	rs2048545	44792234	rs7663667	0.984
4	47773350	rs6850108	47784892	rs10007288	0.935
4	58651643	rs2660950	58669544	rs17827094	0.942
4	58651643	rs2660950	58669628	rs17827100	0.933
4	58669544	rs17827094	58669628	rs17827100	0.990
4	60724394	rs6551526	60920756	rs11946495	0.260
4	60920756	rs11946495	61100834	rs11724820	0.253
4	62679165	rs2193121	62765958	rs2015977	0.288
4	62941177	rs778933	62942012	rs778934	0.979
4	64767521	rs12651540	64952717	rs10517893	0.297
4	64935458	rs1601076	64952717	rs10517893	0.442
4	64935458	rs1601076	64955197	rs9998808	0.752
4	64952717	rs10517893	64955197	rs9998808	0.555
4	66401913	rs4434311	66490958	rs4860723	0.280
4	66401913	rs4434311	66500848	rs1433622	0.320
4	66401913	rs4434311	66687591	rs980448	0.337

4	66490958	rs4860723	66687591	rs980448	0.287
4	66500848	rs1433622	66687591	rs980448	0.284
4	67865677	rs12504640	68135468	rs931360	0.234
4	67916100	rs17820729	67923741	rs930438	0.608
4	69817484	rs1458236	69848375	rs1598904	1.000
4	69817484	rs1458236	69848638	rs1458243	0.943
4	69817484	rs1458236	69852671	rs1458246	0.988
4	69817484	rs1458236	69871762	rs10000481	0.314
4	69817484	rs1458236	69897763	rs2017990	0.293
4	69817484	rs1458236	69912185	rs6811878	0.383
4	69817484	rs1458236	70004132	rs6858558	0.222
4	69848375	rs1598904	69848638	rs1458243	0.943
4	69848375	rs1598904	69852671	rs1458246	0.988
4	69848375	rs1598904	69871762	rs10000481	0.314
4	69848375	rs1598904	69897763	rs2017990	0.293
4	69848375	rs1598904	69912185	rs6811878	0.383
4	69848375	rs1598904	70004132	rs6858558	0.222
4	69848638	rs1458243	69852671	rs1458246	0.955
4	69848638	rs1458243	69871762	rs10000481	0.298
4	69848638	rs1458243	69897763	rs2017990	0.361
4	69848638	rs1458243	69912185	rs6811878	0.415
4	69848638	rs1458243	70004132	rs6858558	0.234
4	69852671	rs1458246	69871762	rs10000481	0.310
4	69852671	rs1458246	69897763	rs2017990	0.303
4	69852671	rs1458246	69912185	rs6811878	0.398
4	69852671	rs1458246	70004132	rs6858558	0.221
4	69871762	rs10000481	69897763	rs2017990	0.360
4	69897763	rs2017990	69912185	rs6811878	0.311
4	69912185	rs6811878	70004132	rs6858558	0.380
4	70004132	rs6858558	70052120	rs4348160	0.289
4	71189199	rs17713792	71224700	rs2013685	0.373
4	72138031	rs4694087	72209645	rs4694380	0.280
4	73714898	rs16848366	73794412	rs10518108	0.349
4	73714898	rs16848366	73827020	rs11935685	0.726
4	73794412	rs10518108	73827020	rs11935685	0.489
4	74150390	rs4694155	74313364	rs9291182	0.433
4	74836146	rs1951242	74845025	rs10938095	0.323
4	76204933	rs6827697	76215877	rs17000197	0.686
4	76204933	rs6827697	76216335	rs17000199	0.369
4	76215877	rs17000197	76216335	rs17000199	0.619
4	77125998	rs4859581	77196808	rs4422436	0.669
4	77363283	rs1114091	77396841	rs2289514	0.267
4	77363283	rs1114091	77397403	rs6819794	0.380
4	77396841	rs2289514	77397403	rs6819794	0.421

4	78095863	rs9307224	78132337	rs904032	0.920
4	78095863	rs9307224	78132395	rs904033	0.919
4	78132337	rs904032	78132395	rs904033	0.982
4	78563409	rs41476645	78564144	rs12644936	1.000
4	78941339	rs4859879	78954919	rs11097938	1.000
4	78941339	rs4859879	79077539	rs4577601	0.560
4	78941339	rs4859879	79143992	rs12641050	0.245
4	78954919	rs11097938	79077539	rs4577601	0.560
4	78954919	rs11097938	79143992	rs12641050	0.245
4	79077539	rs4577601	79143992	rs12641050	0.562
4	80133431	rs1545805	80154502	rs1383421	0.358
4	80133431	rs1545805	80158557	rs899900	0.873
4	80133431	rs1545805	80202969	rs2604828	0.560
4	80154502	rs1383421	80158557	rs899900	0.338
4	80158557	rs899900	80202969	rs2604828	0.680
4	80168623	rs17003582	80202969	rs2604828	0.220
4	81217787	rs6817424	81705296	rs4346635	0.259
4	81217787	rs6817424	82053941	rs10213174	0.359
4	81442178	rs12650677	81471743	rs6822305	0.456
4	81442178	rs12650677	81597990	rs7683819	0.347
4	81597990	rs7683819	81705296	rs4346635	0.404
4	81705296	rs4346635	82053941	rs10213174	0.590
4	82053941	rs10213174	82208527	rs2685468	0.205
4	82208527	rs2685468	82254091	rs7675843	0.236
4	82827868	rs4574400	82829803	rs6839535	0.979
4	82827868	rs4574400	82833681	rs9996469	0.524
4	82829803	rs6839535	82833681	rs9996469	0.504
4	85903170	rs11728145	86686809	rs1994069	0.244
4	88013326	rs10015508	88018240	rs6811350	0.907
4	88013326	rs10015508	88192729	rs431836	0.651
4	88018240	rs6811350	88192729	rs431836	0.722
4	90955029	rs1837890	90955047	rs1442143	1.000
4	92739442	rs9991015	92740065	rs10014070	1.000
4	96474594	rs4699421	96515157	rs2621455	0.398
4	96474594	rs4699421	96522013	rs6824501	0.337
4	96515157	rs2621455	96522013	rs6824501	0.256
4	100932644	rs13134954	100932788	rs11735070	0.991
4	103676448	rs230529	103725482	rs1598859	0.619
4	103676448	rs230529	103737343	rs4648068	0.532
4	103725482	rs1598859	103737343	rs4648068	0.877
4	105978188	rs2725771	105991543	rs3886330	0.220
4	106633149	rs4699182	106698459	rs7672413	0.455
4	110227110	rs3108958	110227270	rs12646527	0.519
4	112168892	rs9307361	112171839	rs159476	0.206

4	112168892	rs9307361	112180135	rs159471	0.414
4	112171839	rs159476	112180135	rs159471	0.418
4	114641161	rs17446453	114645383	rs4834347	0.965
4	114641161	rs17446453	114648856	rs11098193	0.913
4	114645383	rs4834347	114648856	rs11098193	0.947
4	115660061	rs4385142	115668021	rs41352946	0.870
4	116949884	rs7680117	117024524	rs7697741	0.954
4	117400685	rs1906694	117428886	rs7669497	0.726
4	117400685	rs1906694	117435227	rs6832218	0.751
4	117400685	rs1906694	117488271	rs11935514	0.359
4	117400685	rs1906694	117488695	rs41518644	0.359
4	117428886	rs7669497	117435227	rs6832218	0.990
4	117428886	rs7669497	117488271	rs11935514	0.264
4	117428886	rs7669497	117488695	rs41518644	0.264
4	117435227	rs6832218	117488271	rs11935514	0.261
4	117435227	rs6832218	117488695	rs41518644	0.261
4	117488271	rs11935514	117488695	rs41518644	1.000
4	120628600	rs10006706	120643383	rs12510138	0.988
4	121913509	rs10026533	121986119	rs1588524	0.951
4	122156529	rs4532258	122177009	rs34766411	0.938
4	122203473	rs6829190	122215148	rs2136948	0.980
4	122203473	rs6829190	122220644	rs13138476	0.990
4	122203473	rs6829190	122235041	rs13128284	0.960
4	122215148	rs2136948	122220644	rs13138476	0.970
4	122215148	rs2136948	122235041	rs13128284	0.938
4	122220644	rs13138476	122235041	rs13128284	0.951
4	124899190	rs17007339	124901195	rs9992459	0.958
4	127017986	rs2390896	127027641	rs11932292	1.000
4	131253674	rs958409	131281403	rs2172478	0.292
4	131253674	rs958409	131281674	rs1552802	0.254
4	131281403	rs2172478	131281674	rs1552802	0.907
4	133143041	rs6847963	133148446	rs1511333	0.954
4	133143041	rs6847963	133148931	rs17468426	0.681
4	133148446	rs1511333	133148931	rs17468426	0.688
4	133572980	rs1499348	133615345	rs1875024	0.508
4	135291303	rs7691662	135469395	rs7663402	0.653
4	136731472	rs7654065	136735906	rs7692855	0.918
4	136731472	rs7654065	136740519	rs11737477	1.000
4	136731472	rs7654065	136748977	rs13119704	0.496
4	136735906	rs7692855	136740519	rs11737477	0.918
4	136735906	rs7692855	136748977	rs13119704	0.544
4	136740519	rs11737477	136748977	rs13119704	0.495
4	136918253	rs17048200	136929875	rs11730105	0.816
4	136918253	rs17048200	136934225	rs12510799	0.319

4	136929875	rs11730105	136934225	rs12510799	0.281
4	141475312	rs2036947	141484584	rs996116	0.897
4	141475312	rs2036947	141509306	rs4956293	0.285
4	141484584	rs996116	141509306	rs4956293	0.281
4	141484584	rs996116	141534172	rs358332	0.207
4	141509306	rs4956293	141524043	rs358315	0.726
4	141509306	rs4956293	141524729	rs358317	0.726
4	141509306	rs4956293	141534172	rs358332	0.433
4	141524043	rs358315	141524729	rs358317	1.000
4	141524043	rs358315	141534172	rs358332	0.610
4	141524729	rs358317	141534172	rs358332	0.610
4	142897271	rs970509	142898776	rs10033884	0.530
4	142897271	rs970509	142907840	rs4254850	0.880
4	142898776	rs10033884	142907840	rs4254850	0.463
4	143067127	rs10011008	143070590	rs7663877	0.254
4	143193708	rs2645799	143195291	rs2667099	0.969
4	143193708	rs2645799	143222465	rs1353603	0.592
4	143195291	rs2667099	143222465	rs1353603	0.575
4	147752642	rs17021632	147762864	rs17021660	0.587
4	147959961	rs17021984	148056414	rs12503342	0.333
4	148056414	rs12503342	148897061	rs10519914	0.202
4	148560383	rs1429117	148581870	rs17023259	0.636
4	153248310	rs17276464	153310773	rs2897464	0.529
4	153248310	rs17276464	153313090	rs4586908	0.271
4	153310773	rs2897464	153313090	rs4586908	0.556
4	155987069	rs1500394	155991081	rs6832964	0.952
4	155987069	rs1500394	155991353	rs1500370	0.952
4	155991081	rs6832964	155991353	rs1500370	1.000
4	157754977	rs6811244	157771848	rs7672387	0.381
4	160047778	rs2291007	160054590	rs9998057	0.472
4	161529034	rs34082346	161529827	rs1898866	0.439
4	161529034	rs34082346	161530598	rs7677076	0.496
4	161529827	rs1898866	161530598	rs7677076	0.951
4	161935753	rs8180366	161937609	rs13128164	1.000
4	162151909	rs2068177	162231847	rs17375482	0.392
4	163445860	rs6812566	163454734	rs7675931	0.872
4	166504639	rs1438111	166585980	rs7663386	0.254
4	167318791	rs6837937	167319366	rs17047336	1.000
4	168181330	rs7664643	168193181	rs6818745	0.566
4	168722326	rs992771	168761544	rs10517948	0.234
4	171821698	rs9994424	171823438	rs5009480	0.720
4	171821698	rs9994424	171871392	rs10029768	0.281
4	171823438	rs5009480	171871392	rs10029768	0.393
4	173889675	rs6841156	173922367	rs13134194	0.625

4	173889675	rs6841156	173933544	rs6819460	0.391
4	173922367	rs13134194	173933544	rs6819460	0.747
4	174559706	rs17325472	174559803	rs13148735	1.000
4	177402176	rs4589981	177402550	rs4690671	0.975
4	177461443	rs13115859	177465508	rs4077385	0.982
4	177461443	rs13115859	177465879	rs12331837	0.420
4	177461443	rs13115859	177466713	rs11133144	0.431
4	177465508	rs4077385	177465879	rs12331837	0.416
4	177465508	rs4077385	177466713	rs11133144	0.427
4	177465879	rs12331837	177466713	rs11133144	0.991
4	180407643	rs1457394	180407774	rs1457392	1.000
4	184613845	rs6816216	184652332	rs11723316	0.242
4	186046913	rs7672399	186047130	rs6552838	1.000
4	188113464	rs6553029	188113823	rs6821507	0.914
4	190362801	rs7684484	190362818	rs7684496	1.000
5	3102987	rs13167386	3103455	rs16870933	0.554
5	3102987	rs13167386	3103780	rs10041553	0.671
5	3103455	rs16870933	3103780	rs10041553	0.850
5	4360636	rs1501737	4378585	rs261189	0.902
5	4360636	rs1501737	4378739	rs261187	0.902
5	4360636	rs1501737	4379793	rs261182	0.902
5	4360636	rs1501737	4380302	rs261181	0.902
5	4360636	rs1501737	4380853	rs261179	0.734
5	4360636	rs1501737	4394950	rs261163	0.666
5	4360636	rs1501737	4405277	rs261150	0.739
5	4378585	rs261189	4378739	rs261187	1.000
5	4378585	rs261189	4379793	rs261182	1.000
5	4378585	rs261189	4380302	rs261181	1.000
5	4378585	rs261189	4380853	rs261179	0.791
5	4378585	rs261189	4394950	rs261163	0.718
5	4378585	rs261189	4405277	rs261150	0.799
5	4378739	rs261187	4379793	rs261182	1.000
5	4378739	rs261187	4380302	rs261181	1.000
5	4378739	rs261187	4380853	rs261179	0.791
5	4378739	rs261187	4394950	rs261163	0.718
5	4378739	rs261187	4405277	rs261150	0.799
5	4379793	rs261182	4380302	rs261181	1.000
5	4379793	rs261182	4380853	rs261179	0.791
5	4379793	rs261182	4394950	rs261163	0.718
5	4379793	rs261182	4405277	rs261150	0.799
5	4380302	rs261181	4380853	rs261179	0.791
5	4380302	rs261181	4394950	rs261163	0.718
5	4380302	rs261181	4405277	rs261150	0.799
5	4380853	rs261179	4394950	rs261163	0.936

5	4380853	rs261179	4405277	rs261150	0.792
5	4394950	rs261163	4405277	rs261150	0.851
5	5145343	rs2619802	5145444	rs987587	1.000
5	5790796	rs2399610	5790979	rs7443606	0.955
5	5790796	rs2399610	5803573	rs441356	0.885
5	5790979	rs7443606	5803573	rs441356	0.928
5	5964381	rs1150461	5964422	rs1150462	0.893
5	7255635	rs4298226	7269226	rs13186772	0.253
5	7255635	rs4298226	7272495	rs4302553	0.259
5	7269226	rs13186772	7272495	rs4302553	0.960
5	7579847	rs10068942	7585455	rs4701786	0.755
5	9351117	rs17196572	9363216	rs1018956	0.378
5	9351117	rs17196572	9372587	rs3777324	0.364
5	9363216	rs1018956	9372587	rs3777324	0.970
5	9363216	rs1018956	9406888	rs2696372	0.371
5	9363216	rs1018956	9409053	rs1205719	0.359
5	9372587	rs3777324	9406888	rs2696372	0.364
5	9372587	rs3777324	9409053	rs1205719	0.352
5	9406888	rs2696372	9409053	rs1205719	0.989
5	9511879	rs3822803	9518523	rs12659136	0.914
5	9511879	rs3822803	9570081	rs7735345	0.658
5	9518523	rs12659136	9570081	rs7735345	0.706
5	12169668	rs16902029	12423166	rs2400152	0.619
5	14276271	rs32394	14336073	rs17302408	0.351
5	17190115	rs297200	17206618	rs2731796	0.522
5	17554965	rs6894826	17713466	rs6450583	0.707
5	19916375	rs6869352	19938472	rs4866161	0.413
5	19916375	rs6869352	19947442	rs11960225	0.417
5	19938472	rs4866161	19947442	rs11960225	0.991
5	22071307	rs7445981	22072008	rs4701563	0.885
5	25775740	rs168843	25784003	rs1585798	0.719
5	25775740	rs168843	25786763	rs1678935	0.761
5	25784003	rs1585798	25786763	rs1678935	0.849
5	25947094	rs6862624	26011809	rs11954820	0.307
5	28472749	rs10072478	28500650	rs13355546	0.841
5	29077660	rs2618415	29082619	rs1692334	1.000
5	29077660	rs2618415	29088439	rs602489	1.000
5	29082619	rs1692334	29088439	rs602489	1.000
5	40174561	rs1159011	40174838	rs1366020	1.000
5	40534334	rs1505992	40545412	rs1553576	0.860
5	40534334	rs1505992	40545764	rs1553577	0.834
5	40534334	rs1505992	40551279	rs4957313	0.844
5	40534334	rs1505992	40551774	rs6896604	0.826
5	40534334	rs1505992	40553088	rs6866402	0.825

5	40534334	rs1505992	40553482	rs4957317	0.882
5	40534334	rs1505992	40557969	rs10941516	0.351
5	40534334	rs1505992	40564436	rs7718129	0.352
5	40534334	rs1505992	40597115	rs11750156	0.804
5	40545412	rs1553576	40545764	rs1553577	0.972
5	40545412	rs1553576	40551279	rs4957313	0.982
5	40545412	rs1553576	40551774	rs6896604	0.963
5	40545412	rs1553576	40553088	rs6866402	0.963
5	40545412	rs1553576	40553482	rs4957317	0.946
5	40545412	rs1553576	40557969	rs10941516	0.386
5	40545412	rs1553576	40564436	rs7718129	0.424
5	40545412	rs1553576	40597115	rs11750156	0.890
5	40545412	rs1553576	40605710	rs10055860	0.897
5	40545764	rs1553577	40551279	rs4957313	0.972
5	40545764	rs1553577	40551774	rs6896604	0.991
5	40545764	rs1553577	40553088	rs6866402	0.991
5	40545764	rs1553577	40553482	rs4957317	0.920
5	40545764	rs1553577	40557969	rs10941516	0.372
5	40545764	rs1553577	40564436	rs7718129	0.429
5	40545764	rs1553577	40597115	rs11750156	0.879
5	40545764	rs1553577	40605710	rs10055860	0.895
5	40545764	rs1553577	40605832	rs10055946	0.415
5	40551279	rs4957313	40551774	rs6896604	0.982
5	40551279	rs4957313	40553088	rs6866402	0.981
5	40551279	rs4957313	40553482	rs4957317	0.947
5	40551279	rs4957313	40557969	rs10941516	0.397
5	40551279	rs4957313	40564436	rs7718129	0.429
5	40551279	rs4957313	40597115	rs11750156	0.908
5	40551279	rs4957313	40605710	rs10055860	0.916
5	40551279	rs4957313	40605832	rs10055946	0.415
5	40551279	rs4957313	40614679	rs1122433	0.779
5	40551774	rs6896604	40553088	rs6866402	1.000
5	40551774	rs6896604	40553482	rs4957317	0.930
5	40551774	rs6896604	40557969	rs10941516	0.383
5	40551774	rs6896604	40564436	rs7718129	0.430
5	40551774	rs6896604	40597115	rs11750156	0.888
5	40551774	rs6896604	40605710	rs10055860	0.905
5	40551774	rs6896604	40605832	rs10055946	0.416
5	40551774	rs6896604	40614679	rs1122433	0.796
5	40551774	rs6896604	40637966	rs2135330	0.247
5	40553088	rs6866402	40553482	rs4957317	0.930
5	40553088	rs6866402	40557969	rs10941516	0.383
5	40553088	rs6866402	40564436	rs7718129	0.429
5	40553088	rs6866402	40597115	rs11750156	0.888

5	40553088	rs6866402	40605710	rs10055860	0.904
5	40553088	rs6866402	40605832	rs10055946	0.415
5	40553088	rs6866402	40614679	rs1122433	0.795
5	40553088	rs6866402	40637966	rs2135330	0.246
5	40553088	rs6866402	40642051	rs10473203	0.773
5	40553482	rs4957317	40557969	rs10941516	0.416
5	40553482	rs4957317	40564436	rs7718129	0.399
5	40553482	rs4957317	40597115	rs11750156	0.861
5	40553482	rs4957317	40605710	rs10055860	0.866
5	40553482	rs4957317	40605832	rs10055946	0.387
5	40553482	rs4957317	40614679	rs1122433	0.735
5	40553482	rs4957317	40637966	rs2135330	0.231
5	40553482	rs4957317	40642051	rs10473203	0.750
5	40557969	rs10941516	40597115	rs11750156	0.347
5	40557969	rs10941516	40605710	rs10055860	0.354
5	40557969	rs10941516	40614679	rs1122433	0.254
5	40557969	rs10941516	40642051	rs10473203	0.326
5	40564436	rs7718129	40597115	rs11750156	0.450
5	40564436	rs7718129	40605710	rs10055860	0.429
5	40564436	rs7718129	40605832	rs10055946	0.986
5	40564436	rs7718129	40614679	rs1122433	0.456
5	40564436	rs7718129	40637966	rs2135330	0.557
5	40564436	rs7718129	40642051	rs10473203	0.377
5	40597115	rs11750156	40605710	rs10055860	0.970
5	40597115	rs11750156	40605832	rs10055946	0.452
5	40597115	rs11750156	40614679	rs1122433	0.886
5	40597115	rs11750156	40637966	rs2135330	0.266
5	40597115	rs11750156	40642051	rs10473203	0.874
5	40605710	rs10055860	40605832	rs10055946	0.431
5	40605710	rs10055860	40614679	rs1122433	0.861
5	40605710	rs10055860	40637966	rs2135330	0.233
5	40605710	rs10055860	40642051	rs10473203	0.844
5	40605832	rs10055946	40614679	rs1122433	0.461
5	40605832	rs10055946	40637966	rs2135330	0.571
5	40605832	rs10055946	40642051	rs10473203	0.394
5	40614679	rs1122433	40637966	rs2135330	0.243
5	40614679	rs1122433	40642051	rs10473203	0.772
5	40637966	rs2135330	40642051	rs10473203	0.341
5	41646914	rs7733683	41656596	rs11739609	0.947
5	51854141	rs12514062	51860390	rs7723161	0.934
5	52489623	rs117931	52531439	rs254481	0.625
5	52514472	rs2112876	52609049	rs37809	0.486
5	53656359	rs4141522	53690381	rs968813	0.642
5	53656359	rs4141522	53708606	rs12515791	0.639

5	53690381	rs968813	53708606	rs12515791	0.514
5	54126295	rs10045790	54129781	rs4380600	0.403
5	54300768	rs1023671	54310631	rs3822313	0.992
5	55687334	rs1997522	55689646	rs6892034	0.961
5	55687334	rs1997522	55692632	rs1645483	0.290
5	55689646	rs6892034	55692632	rs1645483	0.270
5	56385936	rs831793	56386202	rs865553	0.639
5	56950018	rs4699908	56965947	rs2968223	0.218
5	59199583	rs10042020	59200750	rs1003219	1.000
5	60131029	rs6449503	60332313	rs290505	0.210
5	60131029	rs6449503	60551551	rs581318	0.258
5	60332313	rs290505	60547184	rs11954384	0.437
5	60332313	rs290505	60884502	rs4582229	0.397
5	60547184	rs11954384	60884502	rs4582229	0.401
5	61597678	rs971965	61608746	rs13189446	0.913
5	61597678	rs971965	61665296	rs16890651	0.889
5	61597678	rs971965	61852899	rs40290	0.693
5	61608746	rs13189446	61665296	rs16890651	0.822
5	61608746	rs13189446	61852899	rs40290	0.649
5	61665296	rs16890651	61852899	rs40290	0.745
5	62105308	rs2591786	62109454	rs7715472	0.363
5	62105308	rs2591786	62110935	rs2642781	0.361
5	62109454	rs7715472	62110935	rs2642781	0.981
5	63257177	rs17484704	63639566	rs1374031	0.274
5	63426154	rs168558	63532936	rs1389864	0.973
5	63426154	rs168558	63639566	rs1374031	0.590
5	63532936	rs1389864	63639566	rs1374031	0.571
5	64643239	rs6449781	64676668	rs2640717	0.470
5	64643239	rs6449781	64743875	rs9291837	0.638
5	64643239	rs6449781	64769683	rs2047064	0.592
5	64676668	rs2640717	64743875	rs9291837	0.521
5	64676668	rs2640717	64769683	rs2047064	0.466
5	64743875	rs9291837	64769683	rs2047064	0.867
5	66506805	rs2042945	66514485	rs2230524	0.561
5	67589527	rs6893676	67605358	rs2302976	0.914
5	67589527	rs6893676	67645164	rs440292	0.275
5	67605358	rs2302976	67645164	rs440292	0.294
5	67640384	rs695166	67645164	rs440292	0.570
5	68078239	rs6891897	68100520	rs2451819	0.360
5	68100520	rs2451819	68166377	rs1427906	0.223
5	71402652	rs1217778	71402819	rs1217782	0.924
5	71802603	rs4703908	71873362	rs406813	0.302
5	77093252	rs254378	77115613	rs254411	0.299
5	78141103	rs10514108	78142127	rs12054837	0.409

5	78303950	rs12153089	78304645	rs6453423	1.000
5	78303950	rs12153089	78306219	rs6897944	0.973
5	78304645	rs6453423	78306219	rs6897944	0.975
5	78735782	rs2404150	78749824	rs7709092	0.993
5	82783992	rs33596	82795773	rs28296	0.867
5	84576005	rs6452647	84639708	rs2931116	0.827
5	84576005	rs6452647	84729376	rs307311	0.632
5	84639708	rs2931116	84729376	rs307311	0.566
5	84729376	rs307311	84869510	rs467359	0.208
5	85267170	rs2898534	85303222	rs12521073	0.273
5	88338086	rs4916663	88355663	rs6452806	0.768
5	88338086	rs4916663	88364322	rs1427967	0.902
5	88338086	rs4916663	88364920	rs13185032	0.933
5	88338086	rs4916663	88370749	rs1159666	0.731
5	88338086	rs4916663	88409794	rs9986241	0.807
5	88338086	rs4916663	88428880	rs4916669	0.834
5	88338086	rs4916663	88452110	rs9293511	0.862
5	88355663	rs6452806	88364322	rs1427967	0.808
5	88355663	rs6452806	88364920	rs13185032	0.772
5	88355663	rs6452806	88370749	rs1159666	0.964
5	88355663	rs6452806	88409794	rs9986241	0.791
5	88355663	rs6452806	88428880	rs4916669	0.746
5	88355663	rs6452806	88452110	rs9293511	0.736
5	88364322	rs1427967	88364920	rs13185032	0.971
5	88364322	rs1427967	88370749	rs1159666	0.839
5	88364322	rs1427967	88409794	rs9986241	0.882
5	88364322	rs1427967	88428880	rs4916669	0.893
5	88364322	rs1427967	88452110	rs9293511	0.882
5	88364920	rs13185032	88370749	rs1159666	0.801
5	88364920	rs13185032	88409794	rs9986241	0.859
5	88364920	rs13185032	88428880	rs4916669	0.866
5	88364920	rs13185032	88452110	rs9293511	0.893
5	88370749	rs1159666	88409794	rs9986241	0.824
5	88370749	rs1159666	88428880	rs4916669	0.761
5	88370749	rs1159666	88452110	rs9293511	0.749
5	88409794	rs9986241	88428880	rs4916669	0.926
5	88409794	rs9986241	88452110	rs9293511	0.899
5	88428880	rs4916669	88452110	rs9293511	0.970
5	88823450	rs1852721	88824241	rs6452825	0.284
5	89312242	rs10474312	89400075	rs818944	0.968
5	89312242	rs10474312	89425015	rs157559	0.433
5	89312242	rs10474312	89440658	rs924628	0.869
5	89400075	rs818944	89425015	rs157559	0.418
5	89400075	rs818944	89440658	rs924628	0.901

5	89425015	rs157559	89440658	rs924628	0.433
5	93045806	rs10060331	93147477	rs2344918	0.376
5	93147477	rs2344918	93574048	rs7378943	0.296
5	93807278	rs13178274	93821888	rs9285014	0.398
5	95875079	rs17473575	95907773	rs6877870	0.227
5	96104065	rs26503	96146211	rs42398	0.270
5	96104065	rs26503	96191820	rs34735	0.222
5	96146211	rs42398	96191820	rs34735	0.411
5	96701855	rs7701806	96783901	rs291827	0.235
5	98802139	rs1916599	98802264	rs2511902	0.706
5	98802139	rs1916599	98821231	rs2461991	1.000
5	98802139	rs1916599	98848971	rs2461953	0.696
5	98802139	rs1916599	98959050	rs681634	0.562
5	98802139	rs1916599	99080579	rs1462419	0.423
5	98802264	rs2511902	98821231	rs2461991	0.706
5	98802264	rs2511902	98848971	rs2461953	0.957
5	98802264	rs2511902	98959050	rs681634	0.768
5	98802264	rs2511902	99080579	rs1462419	0.603
5	98802264	rs2511902	99181038	rs6878343	0.229
5	98821231	rs2461991	98848971	rs2461953	0.696
5	98821231	rs2461991	98959050	rs681634	0.562
5	98821231	rs2461991	99080579	rs1462419	0.423
5	98848971	rs2461953	98959050	rs681634	0.743
5	98848971	rs2461953	99080579	rs1462419	0.578
5	98848971	rs2461953	99181038	rs6878343	0.211
5	98959050	rs681634	99080579	rs1462419	0.744
5	98959050	rs681634	99181038	rs6878343	0.201
5	99080579	rs1462419	99181038	rs6878343	0.353
5	99152807	rs7447852	99172882	rs11241243	1.000
5	99152807	rs7447852	99249586	rs3844092	0.961
5	99152807	rs7447852	99249653	rs3844091	0.960
5	99152807	rs7447852	99249738	rs4455602	0.961
5	99152807	rs7447852	99278995	rs2924611	0.259
5	99172882	rs11241243	99249586	rs3844092	0.960
5	99172882	rs11241243	99249653	rs3844091	0.959
5	99172882	rs11241243	99249738	rs4455602	0.960
5	99172882	rs11241243	99278995	rs2924611	0.259
5	99181038	rs6878343	99249586	rs3844092	0.214
5	99181038	rs6878343	99249653	rs3844091	0.210
5	99181038	rs6878343	99249738	rs4455602	0.214
5	99249586	rs3844092	99249653	rs3844091	1.000
5	99249586	rs3844092	99249738	rs4455602	1.000
5	99249586	rs3844092	99278995	rs2924611	0.248
5	99249653	rs3844091	99249738	rs4455602	1.000

5	99249653	rs3844091	99278995	rs2924611	0.248
5	99249738	rs4455602	99278995	rs2924611	0.248
5	99332774	rs10054412	99350463	rs10070116	0.426
5	99332774	rs10054412	99379483	rs11948786	0.366
5	99332774	rs10054412	99411368	rs17164397	0.273
5	99350463	rs10070116	99379483	rs11948786	0.341
5	99350463	rs10070116	99411368	rs17164397	0.270
5	99379483	rs11948786	99411368	rs17164397	0.858
5	99379483	rs11948786	99671978	rs1824780	0.230
5	99411368	rs17164397	99671978	rs1824780	0.228
5	100096374	rs2120913	100100985	rs279095	0.957
5	100271404	rs1833862	100518871	rs2048525	0.521
5	101842508	rs17333350	102517410	rs34767	0.214
5	102361943	rs3756583	102466190	rs34823	0.439
5	102361943	rs3756583	102517410	rs34767	0.411
5	102466190	rs34823	102517410	rs34767	0.962
5	103415779	rs6887182	103445285	rs1420864	0.672
5	103415779	rs6887182	103482656	rs2707407	0.493
5	103415779	rs6887182	103492704	rs17156145	0.444
5	103445285	rs1420864	103482656	rs2707407	0.681
5	103445285	rs1420864	103492704	rs17156145	0.651
5	103482656	rs2707407	103492704	rs17156145	0.904
5	105472939	rs11739968	105646376	rs11242576	0.201
5	105472939	rs11739968	105649051	rs7718256	0.436
5	105646376	rs11242576	105649051	rs7718256	0.655
5	106982444	rs17160261	107039611	rs13361436	0.436
5	109072457	rs6897334	109203522	rs7711326	0.224
5	109072457	rs6897334	109220135	rs2007136	0.214
5	109072457	rs6897334	109223156	rs1368356	0.213
5	109203522	rs7711326	109220135	rs2007136	0.919
5	109203522	rs7711326	109223156	rs1368356	0.949
5	109203522	rs7711326	109258634	rs245243	0.704
5	109220135	rs2007136	109223156	rs1368356	0.949
5	109220135	rs2007136	109258634	rs245243	0.646
5	109223156	rs1368356	109258634	rs245243	0.712
5	109272818	rs42924	109279160	rs6862355	0.454
5	114939464	rs256989	114968099	rs10079000	0.865
5	114939464	rs256989	115001019	rs10055339	0.769
5	114968099	rs10079000	115001019	rs10055339	0.891
5	116915922	rs265899	116916065	rs265900	1.000
5	116915922	rs265899	117001959	rs371616	0.605
5	116916065	rs265900	117001959	rs371616	0.605
5	116952228	rs267074	117001959	rs371616	0.279
5	119715531	rs12658673	119796305	rs6595233	0.930

5	121910770	rs9327254	121923676	rs4438871	0.959
5	123176800	rs6889859	123196141	rs3909329	0.219
5	123448411	rs10055109	123501287	rs1457690	0.214
5	123981123	rs12520962	123988346	rs6871217	0.936
5	125337442	rs17165007	125354492	rs4836240	0.521
5	130442705	rs13361165	131350393	rs77938	0.252
5	132236262	rs803223	132258930	rs3798128	0.239
5	132697894	rs10515458	132732003	rs4958122	0.324
5	132732003	rs4958122	132756827	rs250856	0.279
5	133554588	rs7735912	133731491	rs17167478	0.253
5	134896238	rs3860110	134896540	rs2344485	0.581
5	135036890	rs7709847	135037127	rs7710084	1.000
5	135036890	rs7709847	135047070	rs6877327	0.743
5	135036890	rs7709847	135056220	rs4288109	0.855
5	135036890	rs7709847	135056573	rs11242261	0.902
5	135037127	rs7710084	135047070	rs6877327	0.743
5	135037127	rs7710084	135056220	rs4288109	0.855
5	135037127	rs7710084	135056573	rs11242261	0.902
5	135047070	rs6877327	135056220	rs4288109	0.620
5	135047070	rs6877327	135056573	rs11242261	0.727
5	135056220	rs4288109	135056573	rs11242261	0.877
5	135264117	rs17169348	135325449	rs17598926	0.369
5	135693248	rs3822748	135745093	rs346643	0.699
5	137735214	rs757647	137736333	rs4835678	0.281
5	143380861	rs312634	143398614	rs309328	0.980
5	143884468	rs34463305	143900921	rs6870605	0.618
5	143884468	rs34463305	144338909	rs11741672	0.349
5	143900921	rs6870605	144338909	rs11741672	0.272
5	145190785	rs11745319	145191281	rs385175	0.966
5	145190785	rs11745319	145191308	rs417215	0.964
5	145191281	rs385175	145191308	rs417215	1.000
5	145582091	rs17104321	145593015	rs17104331	0.454
5	145582091	rs17104321	145630790	rs17104362	0.906
5	145593015	rs17104331	145630790	rs17104362	0.390
5	145752014	rs997011	145753403	rs6580417	0.572
5	145881372	rs7717315	145899863	rs6881391	0.572
5	146014684	rs460781	146014728	rs460413	0.800
5	146014684	rs460781	146023125	rs458164	0.563
5	146014684	rs460781	146027384	rs182697	0.530
5	146014684	rs460781	146034170	rs462706	0.563
5	146014684	rs460781	146034654	rs464459	0.563
5	146014728	rs460413	146023125	rs458164	0.446
5	146014728	rs460413	146027384	rs182697	0.451
5	146014728	rs460413	146034170	rs462706	0.446

5	146014728	rs460413	146034654	rs464459	0.446
5	146023125	rs458164	146027384	rs182697	0.876
5	146023125	rs458164	146034170	rs462706	1.000
5	146023125	rs458164	146034654	rs464459	1.000
5	146027384	rs182697	146034170	rs462706	0.876
5	146027384	rs182697	146034654	rs464459	0.876
5	146027384	rs182697	146048554	rs10061370	0.226
5	146027384	rs182697	146049791	rs2400228	0.223
5	146034170	rs462706	146034654	rs464459	1.000
5	146048554	rs10061370	146049791	rs2400228	0.948
5	146048554	rs10061370	146060205	rs7716683	0.229
5	146049791	rs2400228	146060205	rs7716683	0.255
5	146693780	rs17106458	146696881	rs10079191	0.910
5	146693780	rs17106458	146703083	rs6884181	0.990
5	146693780	rs17106458	146708683	rs918797	0.688
5	146693780	rs17106458	146709417	rs4705166	0.681
5	146693780	rs17106458	146763849	rs3805536	0.201
5	146696881	rs10079191	146703083	rs6884181	0.901
5	146696881	rs10079191	146708683	rs918797	0.699
5	146696881	rs10079191	146709417	rs4705166	0.691
5	146696881	rs10079191	146763849	rs3805536	0.213
5	146703083	rs6884181	146708683	rs918797	0.686
5	146703083	rs6884181	146709417	rs4705166	0.679
5	146708683	rs918797	146709417	rs4705166	0.986
5	146755668	rs2288806	146759060	rs17550470	0.215
5	146755668	rs2288806	146759414	rs12655364	0.836
5	146755668	rs2288806	146763849	rs3805536	0.801
5	146759060	rs17550470	146759414	rs12655364	0.223
5	146759414	rs12655364	146763849	rs3805536	0.666
5	151436036	rs154696	151443684	rs29849	0.351
5	151443684	rs29849	151447865	rs159822	0.367
5	151892892	rs4475248	152044626	rs17565505	0.389
5	152044626	rs17565505	152307861	rs4958596	0.348
5	152469215	rs17578068	152488109	rs13173299	0.430
5	153090050	rs10477084	153123087	rs7711124	0.531
5	153090050	rs10477084	153267157	rs898709	0.247
5	153090050	rs10477084	153280408	rs2614123	0.251
5	153123087	rs7711124	153247946	rs2614125	0.272
5	153123087	rs7711124	153267157	rs898709	0.498
5	153123087	rs7711124	153280408	rs2614123	0.503
5	153247946	rs2614125	153267157	rs898709	0.374
5	153247946	rs2614125	153280408	rs2614123	0.365
5	153267157	rs898709	153280408	rs2614123	0.976
5	157170036	rs3777059	157199237	rs2650359	0.590

5	157738982	rs10065017	157744807	rs17055538	0.958
5	158098219	rs2420211	158159232	rs1549883	0.824
5	158098219	rs2420211	158192277	rs4704967	0.644
5	158098219	rs2420211	158242261	rs10054046	0.644
5	158137003	rs1368298	158193834	rs10056564	0.720
5	158159232	rs1549883	158192277	rs4704967	0.733
5	158159232	rs1549883	158242261	rs10054046	0.801
5	158192277	rs4704967	158193834	rs10056564	0.274
5	158192277	rs4704967	158242261	rs10054046	0.585
5	158600287	rs194229	158612157	rs3846687	0.394
5	159908441	rs9313851	159912956	rs7707116	0.699
5	160512672	rs10515822	160545772	rs455707	0.208
5	160512672	rs10515822	160546334	rs456582	0.208
5	160512672	rs10515822	160562804	rs609651	0.244
5	160512672	rs10515822	160581664	rs17059065	0.244
5	160545772	rs455707	160546334	rs456582	1.000
5	160562804	rs609651	160581664	rs17059065	1.000
5	162581271	rs2913561	162592782	rs2059796	0.353
5	165727152	rs1392384	165771085	rs1353943	0.775
5	168162396	rs12659534	168177820	rs1109106	0.228
5	170130357	rs10475958	170130444	rs10475959	0.973
5	171436401	rs17074274	171437235	rs9313575	0.723
5	171884506	rs1368430	171884740	rs11741273	0.906
5	180206066	rs41330745	180207008	rs34327863	1.000
6	1966707	rs9392353	2000676	rs11242735	0.621
6	2189720	rs3823287	2210343	rs9328087	0.573
6	2189720	rs3823287	2292807	rs2479008	0.559
6	2189720	rs3823287	2313641	rs4413658	0.273
6	2210343	rs9328087	2292807	rs2479008	0.977
6	2292807	rs2479008	2313641	rs4413658	0.216
6	3298526	rs7747817	3299260	rs1887843	0.500
6	9837105	rs1410364	9859151	rs7765635	0.928
6	14692375	rs6459366	14715101	rs857464	0.553
6	14844570	rs2500065	14844629	rs9396529	0.957
6	14844570	rs2500065	14847961	rs9382996	0.499
6	14844629	rs9396529	14847961	rs9382996	0.490
6	17045787	rs7382853	17054324	rs1570241	0.418
6	18536837	rs568108	18553773	rs577287	0.969
6	19814250	rs9358264	19847922	rs9460408	0.604
6	20435828	rs9366344	20452975	rs9358331	0.649
6	20435828	rs9366344	20453095	rs9356730	0.649
6	20452975	rs9358331	20453095	rs9356730	1.000
6	21227109	rs6456397	21243137	rs2493869	0.225
6	21227109	rs6456397	21247079	rs9295495	0.979

6	21243137	rs2493869	21247079	rs9295495	0.226
6	21483974	rs9366399	21492592	rs9466056	0.251
6	22625935	rs7741889	22626538	rs6927431	0.396
6	22625935	rs7741889	22627328	rs7748467	1.000
6	22625935	rs7741889	22629109	rs9393306	0.364
6	22626538	rs6927431	22627328	rs7748467	0.400
6	22626538	rs6927431	22629109	rs9393306	0.939
6	22627328	rs7748467	22629109	rs9393306	0.367
6	23555091	rs199024	23572989	rs191815	0.408
6	23555091	rs199024	23584367	rs187936	0.290
6	23555091	rs199024	23591265	rs199067	0.287
6	23555091	rs199024	23595836	rs199059	0.379
6	23572989	rs191815	23584367	rs187936	0.766
6	23572989	rs191815	23591265	rs199067	0.759
6	23572989	rs191815	23595836	rs199059	0.883
6	23584367	rs187936	23591265	rs199067	1.000
6	23584367	rs187936	23595836	rs199059	0.835
6	23591265	rs199067	23595836	rs199059	0.827
6	25070407	rs393228	25071608	rs1739326	1.000
6	26319374	rs16891417	26337127	rs2143345	0.374
6	26488524	rs3757142	26489295	rs3757149	0.765
6	29739723	rs3130252	29786499	rs1610593	0.333
6	29739723	rs3130252	29790880	rs1627465	0.332
6	29739723	rs3130252	30239328	rs9261536	0.344
6	29786499	rs1610593	29790880	rs1627465	0.978
6	29786499	rs1610593	29811802	rs9258205	0.242
6	29790880	rs1627465	29811802	rs9258205	0.257
6	31222724	rs2240063	31241488	rs2106074	0.216
6	31468074	rs2596517	31526103	rs2523693	0.273
6	33682987	rs444697	33727986	rs1408711	0.332
6	35117174	rs3800426	35117273	rs2820223	0.585
6	35919641	rs9470131	35929492	rs9470139	1.000
6	35919641	rs9470131	35943016	rs9462141	1.000
6	35929492	rs9470139	35943016	rs9462141	1.000
6	36418874	rs1476017	36422250	rs2015973	0.971
6	40379505	rs1018631	40381435	rs4714329	0.808
6	40379505	rs1018631	40400445	rs715831	0.589
6	40381435	rs4714329	40400445	rs715831	0.602
6	40534831	rs2436731	40538982	rs1433725	0.909
6	40632698	rs7738344	40695765	rs1771294	0.406
6	41118346	rs9369260	41122198	rs6903444	0.272
6	41122198	rs6903444	41270869	rs4711658	0.390
6	44747162	rs11755164	45008231	rs3799986	0.329
6	44747162	rs11755164	45061736	rs1329716	0.224

6	44747162	rs11755164	45437467	rs1852986	0.294
6	45008231	rs3799986	45061736	rs1329716	0.498
6	45008231	rs3799986	45437467	rs1852986	0.725
6	45061736	rs1329716	45437467	rs1852986	0.541
6	46077981	rs3777618	46083313	rs3777622	0.960
6	46311588	rs2584076	46391881	rs16874575	0.233
6	46939731	rs630033	46940057	rs628638	1.000
6	47018374	rs2077055	47047792	rs1413933	0.769
6	50873311	rs2206272	51033290	rs9473953	0.248
6	51426093	rs4435937	51474621	rs4339454	0.608
6	51426093	rs4435937	51491555	rs10948617	0.596
6	51426093	rs4435937	51491628	rs10948618	0.538
6	51426093	rs4435937	51492968	rs4644046	0.578
6	51426093	rs4435937	51556765	rs10948634	0.245
6	51426093	rs4435937	51576003	rs6930919	0.279
6	51474621	rs4339454	51491555	rs10948617	0.902
6	51474621	rs4339454	51491628	rs10948618	0.833
6	51474621	rs4339454	51492968	rs4644046	0.906
6	51474621	rs4339454	51526189	rs10948623	0.323
6	51474621	rs4339454	51543535	rs12214769	0.306
6	51474621	rs4339454	51556765	rs10948634	0.523
6	51474621	rs4339454	51576003	rs6930919	0.478
6	51474621	rs4339454	51577180	rs1108202	0.474
6	51491555	rs10948617	51491628	rs10948618	0.951
6	51491555	rs10948617	51492968	rs4644046	1.000
6	51491555	rs10948617	51526189	rs10948623	0.327
6	51491555	rs10948617	51543535	rs12214769	0.310
6	51491555	rs10948617	51556765	rs10948634	0.499
6	51491555	rs10948617	51576003	rs6930919	0.526
6	51491555	rs10948617	51577180	rs1108202	0.523
6	51491628	rs10948618	51492968	rs4644046	0.933
6	51491628	rs10948618	51526189	rs10948623	0.334
6	51491628	rs10948618	51543535	rs12214769	0.316
6	51491628	rs10948618	51556765	rs10948634	0.522
6	51491628	rs10948618	51576003	rs6930919	0.555
6	51491628	rs10948618	51577180	rs1108202	0.554
6	51492968	rs4644046	51526189	rs10948623	0.285
6	51492968	rs4644046	51543535	rs12214769	0.275
6	51492968	rs4644046	51556765	rs10948634	0.447
6	51492968	rs4644046	51576003	rs6930919	0.481
6	51492968	rs4644046	51577180	rs1108202	0.473
6	51526189	rs10948623	51543535	rs12214769	0.938
6	51526189	rs10948623	51556765	rs10948634	0.467
6	51526189	rs10948623	51576003	rs6930919	0.398

6	51526189	rs10948623	51577180	rs1108202	0.392
6	51543535	rs12214769	51556765	rs10948634	0.493
6	51543535	rs12214769	51576003	rs6930919	0.419
6	51543535	rs12214769	51577180	rs1108202	0.413
6	51556765	rs10948634	51576003	rs6930919	0.859
6	51556765	rs10948634	51577180	rs1108202	0.855
6	51576003	rs6930919	51577180	rs1108202	1.000
6	52482782	rs6917841	52516853	rs2179803	0.584
6	53127129	rs6913533	53128723	rs6920669	0.848
6	55479622	rs4626423	55503779	rs9475342	0.770
6	55891681	rs6459114	55902102	rs6926110	0.603
6	56234901	rs12525967	56254519	rs2397214	0.212
6	66129666	rs9453277	66132201	rs12205154	0.990
6	66760624	rs12202805	66875325	rs3846808	0.960
6	66760624	rs12202805	66946904	rs9354391	0.372
6	66760624	rs12202805	67061694	rs17644076	0.576
6	66875325	rs3846808	66946904	rs9354391	0.358
6	66875325	rs3846808	67061694	rs17644076	0.571
6	66946904	rs9354391	67061694	rs17644076	0.379
6	67408933	rs4710324	67459352	rs4493734	0.530
6	67408933	rs4710324	67577822	rs9360234	0.413
6	67408933	rs4710324	67586556	rs9351600	0.331
6	67459352	rs4493734	67586556	rs9351600	0.216
6	67577822	rs9360234	67586556	rs9351600	0.831
6	67702785	rs9360251	67721287	rs9345935	0.217
6	67702785	rs9360251	67728137	rs6933579	0.799
6	67702785	rs9360251	67822412	rs2502279	0.307
6	67721287	rs9345935	67728137	rs6933579	0.245
6	67721287	rs9345935	67738143	rs4292508	0.246
6	67728137	rs6933579	67822412	rs2502279	0.403
6	68371284	rs2747156	68398350	rs2818113	0.753
6	68371284	rs2747156	68414245	rs2179964	0.719
6	68371284	rs2747156	68421587	rs9342657	0.244
6	68371284	rs2747156	68428695	rs2816902	0.590
6	68371284	rs2747156	68454951	rs2493374	0.413
6	68371284	rs2747156	68562671	rs9454286	0.221
6	68398350	rs2818113	68414245	rs2179964	0.962
6	68398350	rs2818113	68421587	rs9342657	0.284
6	68398350	rs2818113	68428695	rs2816902	0.679
6	68398350	rs2818113	68454951	rs2493374	0.456
6	68398350	rs2818113	68562671	rs9454286	0.342
6	68398350	rs2818113	68563436	rs12203654	0.407
6	68414245	rs2179964	68421587	rs9342657	0.298
6	68414245	rs2179964	68428695	rs2816902	0.671

6	68414245	rs2179964	68454951	rs2493374	0.472
6	68414245	rs2179964	68562671	rs9454286	0.361
6	68414245	rs2179964	68563436	rs12203654	0.410
6	68414245	rs2179964	68565666	rs6913371	0.410
6	68421587	rs9342657	68428695	rs2816902	0.220
6	68421587	rs9342657	68444789	rs17546195	0.706
6	68421587	rs9342657	68563436	rs12203654	0.226
6	68421587	rs9342657	68565666	rs6913371	0.226
6	68428695	rs2816902	68428791	rs2818105	0.308
6	68428695	rs2816902	68454951	rs2493374	0.649
6	68428695	rs2816902	68562671	rs9454286	0.306
6	68428695	rs2816902	68563436	rs12203654	0.557
6	68428695	rs2816902	68565666	rs6913371	0.557
6	68428695	rs2816902	68583232	rs1913477	0.496
6	68428695	rs2816902	68583437	rs1913478	0.492
6	68428791	rs2818105	68459204	rs9454233	0.363
6	68444789	rs17546195	68562671	rs9454286	0.268
6	68454951	rs2493374	68459204	rs9454233	0.263
6	68454951	rs2493374	68562671	rs9454286	0.502
6	68454951	rs2493374	68563436	rs12203654	0.770
6	68454951	rs2493374	68565666	rs6913371	0.770
6	68454951	rs2493374	68583232	rs1913477	0.707
6	68454951	rs2493374	68583437	rs1913478	0.704
6	68459204	rs9454233	68563436	rs12203654	0.228
6	68459204	rs9454233	68565666	rs6913371	0.228
6	68459204	rs9454233	68583232	rs1913477	0.231
6	68459204	rs9454233	68583437	rs1913478	0.226
6	68562671	rs9454286	68563436	rs12203654	0.698
6	68562671	rs9454286	68565666	rs6913371	0.698
6	68562671	rs9454286	68583232	rs1913477	0.738
6	68562671	rs9454286	68583437	rs1913478	0.735
6	68563436	rs12203654	68565666	rs6913371	1.000
6	68563436	rs12203654	68583232	rs1913477	0.902
6	68563436	rs12203654	68583437	rs1913478	0.901
6	68565666	rs6913371	68583232	rs1913477	0.902
6	68565666	rs6913371	68583437	rs1913478	0.901
6	68583232	rs1913477	68583437	rs1913478	1.000
6	69233497	rs1388056	69347352	rs10455670	0.228
6	69347352	rs10455670	69349961	rs13218370	0.230
6	70594155	rs2487399	70605345	rs2487411	0.595
6	70594155	rs2487399	70605431	rs2487412	0.449
6	70605345	rs2487411	70605431	rs2487412	0.831
6	70909214	rs9342783	70943464	rs3806051	0.398
6	70943464	rs3806051	71025381	rs9354910	0.297

6	72298055	rs12204236	72304069	rs12525003	0.989
6	74645033	rs10498896	74647350	rs41475845	0.976
6	74645033	rs10498896	74663429	rs10805983	0.928
6	74645033	rs10498896	74665814	rs12194928	0.929
6	74645033	rs10498896	74667157	rs1898483	0.929
6	74645033	rs10498896	74731052	rs12194422	0.575
6	74647350	rs41475845	74663429	rs10805983	0.952
6	74647350	rs41475845	74665814	rs12194928	0.953
6	74647350	rs41475845	74667157	rs1898483	0.953
6	74647350	rs41475845	74731052	rs12194422	0.578
6	74663429	rs10805983	74665814	rs12194928	1.000
6	74663429	rs10805983	74667157	rs1898483	1.000
6	74663429	rs10805983	74731052	rs12194422	0.605
6	74665814	rs12194928	74667157	rs1898483	1.000
6	74665814	rs12194928	74731052	rs12194422	0.609
6	74667157	rs1898483	74731052	rs12194422	0.609
6	78283839	rs1458429	78373630	rs1458424	0.245
6	78459796	rs3846758	78642548	rs7764370	0.681
6	80203374	rs9343912	80380553	rs2812683	0.258
6	80203374	rs9343912	80382049	rs2655697	0.261
6	80380553	rs2812683	80382049	rs2655697	0.981
6	80902708	rs2322633	81039931	rs660888	0.375
6	81994601	rs7744820	82004634	rs9361775	0.824
6	82304961	rs16893194	82325403	rs1935003	0.607
6	84343196	rs11756746	84356081	rs3757007	0.818
6	84343196	rs11756746	84356900	rs13212099	0.818
6	84356081	rs3757007	84356900	rs13212099	1.000
6	85547923	rs215936	85573317	rs215921	1.000
6	85821656	rs1923587	85875339	rs1325975	0.481
6	86451122	rs2484355	86503587	rs6454487	0.496
6	86451122	rs2484355	86576474	rs9450333	0.225
6	86451122	rs2484355	86761974	rs6933377	0.623
6	86503587	rs6454487	86576474	rs9450333	0.608
6	86503587	rs6454487	86761974	rs6933377	0.696
6	86576474	rs9450333	86761974	rs6933377	0.408
6	86955183	rs6940217	86970480	rs7760257	0.972
6	89805824	rs205217	89818726	rs1980986	0.304
6	92589899	rs2501650	92617314	rs2454268	0.669
6	94544526	rs9354041	94544579	rs9354042	1.000
6	94544526	rs9354041	94544635	rs9351380	0.984
6	94544526	rs9354041	94593345	rs6941459	0.215
6	94544579	rs9354042	94544635	rs9351380	0.984
6	94544579	rs9354042	94593345	rs6941459	0.215
6	94544635	rs9351380	94593345	rs6941459	0.209

6	94593345	rs6941459	94676185	rs1937357	0.372
6	94593345	rs6941459	94690716	rs1219033	0.376
6	94593345	rs6941459	94741047	rs4463230	0.396
6	94676185	rs1937357	94690716	rs1219033	0.912
6	94676185	rs1937357	94741047	rs4463230	0.725
6	94690716	rs1219033	94741047	rs4463230	0.706
6	95037294	rs220970	95050803	rs397178	0.535
6	96144620	rs9400893	96171771	rs9489578	1.000
6	98423600	rs9387768	98666847	rs6927923	0.322
6	102439699	rs6905533	102526006	rs946860	0.401
6	102570833	rs13195038	102577470	rs13191478	0.990
6	104118930	rs9391057	104277456	rs4518532	0.299
6	106744268	rs6920944	106808927	rs1769981	0.827
6	107110137	rs2297971	107132119	rs4523123	0.532
6	108106634	rs4945783	108106656	rs4945784	1.000
6	108995286	rs2253310	109002079	rs2490272	0.953
6	108995286	rs2253310	109115071	rs1268165	0.519
6	109002079	rs2490272	109115071	rs1268165	0.556
6	109190725	rs541020	109192329	rs497961	0.775
6	109715354	rs7772602	109717539	rs1111866	0.974
6	109715354	rs7772602	109717556	rs1111865	0.974
6	109715354	rs7772602	109717939	rs4601178	0.974
6	109717539	rs1111866	109717556	rs1111865	1.000
6	109717539	rs1111866	109717939	rs4601178	1.000
6	109717556	rs1111865	109717939	rs4601178	1.000
6	109925149	rs2024850	109959609	rs749517	0.889
6	109925149	rs2024850	110103836	rs829816	0.308
6	109959609	rs749517	110103836	rs829816	0.407
6	113053163	rs2346531	113064010	rs17074196	1.000
6	114980551	rs786141	115006803	rs786147	0.279
6	114980551	rs786141	115073292	rs9481463	0.558
6	115006803	rs786147	115073292	rs9481463	0.502
6	115746754	rs6940934	115760753	rs6918482	0.842
6	119139019	rs794854	119139756	rs9372511	0.770
6	120062213	rs9285434	120129329	rs10872186	0.459
6	120062213	rs9285434	120135566	rs4945648	0.533
6	120129329	rs10872186	120135566	rs4945648	0.797
6	120129329	rs10872186	120271168	rs1028961	0.314
6	120135566	rs4945648	120271168	rs1028961	0.293
6	121487048	rs1273725	121506710	rs1273745	0.985
6	122646418	rs699412	122779358	rs9375134	0.216
6	122779358	rs9375134	122779968	rs3778348	0.859
6	123231090	rs9490567	123231169	rs9490568	0.840
6	125068862	rs868549	125081311	rs2875776	0.860

6	125068862	rs868549	125081641	rs1415762	0.344
6	125081311	rs2875776	125081641	rs1415762	0.386
6	127467150	rs11154383	127479310	rs2800708	0.310
6	127479310	rs2800708	127488303	rs9482771	0.584
6	128854778	rs17460940	128870929	rs17461290	0.852
6	129430224	rs7738996	129430959	rs6569580	1.000
6	129430224	rs7738996	129444415	rs4327720	1.000
6	129430959	rs6569580	129444415	rs4327720	1.000
6	133915179	rs9285474	133983767	rs7452066	0.275
6	133983767	rs7452066	134003067	rs6907934	0.268
6	137291664	rs6570112	137298020	rs7745532	0.454
6	137888129	rs9484058	137906100	rs203694	0.910
6	140276853	rs624260	140279510	rs591822	0.988
6	141128904	rs988434	141172474	rs686347	0.611
6	141128904	rs988434	141217062	rs677319	0.439
6	141172474	rs686347	141217062	rs677319	0.478
6	143479138	rs200153	143522436	rs6908441	0.248
6	143927818	rs9376756	143954988	rs9321927	0.551
6	144903639	rs10499231	144970410	rs9403569	0.210
6	144960512	rs1918744	144970410	rs9403569	0.771
6	145326409	rs6917204	145331021	rs4896765	1.000
6	145594845	rs7757259	145599134	rs1546866	0.831
6	145648801	rs551096	145649688	rs9373448	0.535
6	148417762	rs1881825	148451024	rs7764264	0.346
6	151759227	rs7746473	151785755	rs3800270	0.744
6	153237927	rs583501	153259954	rs656610	0.906
6	153237927	rs583501	153261967	rs633399	0.722
6	153259954	rs656610	153261967	rs633399	0.789
6	155297981	rs9397210	155300670	rs9371355	0.794
6	159541322	rs294922	159555931	rs400477	0.284
6	159541322	rs294922	159561726	rs427072	0.884
6	159541322	rs294922	159575663	rs2932987	0.326
6	159555931	rs400477	159561726	rs427072	0.291
6	159555931	rs400477	159575663	rs2932987	0.961
6	159561726	rs427072	159575663	rs2932987	0.333
6	161991625	rs2281403	161993412	rs7763253	0.992
6	162112846	rs3016563	162141710	rs3016551	0.693
6	162656326	rs6455807	162656490	rs7740928	0.595
6	162656326	rs6455807	162666349	rs6930880	0.611
6	162656490	rs7740928	162666349	rs6930880	0.313
6	162656490	rs7740928	162728999	rs10945825	0.229
6	167365129	rs2282859	167371516	rs16899825	0.885
6	167434073	rs4710183	167436448	rs975822	0.325
6	167434073	rs4710183	167443385	rs6907666	0.508

6	167434073	rs4710183	167444229	rs2021033	0.427
6	167434073	rs4710183	167448022	rs6456158	0.389
6	167436448	rs975822	167443385	rs6907666	0.468
6	167436448	rs975822	167444229	rs2021033	0.574
6	167436448	rs975822	167448022	rs6456158	0.583
6	167443385	rs6907666	167444229	rs2021033	0.525
6	167443385	rs6907666	167448022	rs6456158	0.368
6	167444229	rs2021033	167448022	rs6456158	0.595
6	169306641	rs6908401	169326313	rs12661910	0.645
6	169554513	rs2075978	169559926	rs4469299	0.851
6	169554513	rs2075978	169677751	rs16888111	0.207
6	170525166	rs1022615	170554104	rs9460139	0.671
7	828052	rs7785538	829331	rs11766365	0.827
7	828052	rs7785538	832995	rs6973278	0.208
7	828052	rs7785538	868920	rs7785252	0.413
7	829331	rs11766365	832995	rs6973278	0.201
7	829331	rs11766365	868920	rs7785252	0.393
7	832995	rs6973278	868920	rs7785252	0.438
7	2792448	rs2527684	2826743	rs2644295	0.813
7	3121336	rs6958161	3121827	rs10951052	0.266
7	3121336	rs6958161	3122339	rs4722438	0.394
7	3121827	rs10951052	3122339	rs4722438	0.610
7	3279396	rs2049477	3412717	rs41363846	0.225
7	3412717	rs41363846	3423822	rs17741019	0.340
7	3841536	rs13236719	3882090	rs6462411	0.234
7	7164598	rs12536325	7245535	rs10279432	0.422
7	7358756	rs1294620	7359239	rs1294622	0.699
7	7358756	rs1294620	7370503	rs6974119	0.699
7	7359239	rs1294622	7370503	rs6974119	1.000
7	8362245	rs2110521	8414480	rs6463805	0.437
7	9061487	rs13240893	9086521	rs12702864	0.625
7	9179513	rs449245	9180202	rs369785	0.983
7	9200867	rs17792244	9242493	rs2350432	0.247
7	9512802	rs2713342	9526119	rs4548084	0.529
7	9512802	rs2713342	9535960	rs10245938	0.875
7	9512802	rs2713342	9538623	rs17161716	0.253
7	9512802	rs2713342	9612145	rs1505322	0.243
7	9512802	rs2713342	9612572	rs1354607	0.243
7	9526119	rs4548084	9534049	rs1505310	0.203
7	9526119	rs4548084	9535960	rs10245938	0.526
7	9535960	rs10245938	9538623	rs17161716	0.204
7	9535960	rs10245938	9612145	rs1505322	0.306
7	9535960	rs10245938	9612572	rs1354607	0.306
7	9612145	rs1505322	9612572	rs1354607	1.000

7	10087591	rs12702976	10090856	rs12702978	0.427
7	10339966	rs4720876	10344828	rs6463990	0.802
7	11364881	rs7794021	11431856	rs1468244	0.647
7	12085773	rs12536861	12121572	rs10950385	0.395
7	12409567	rs17166013	12473257	rs17166041	0.749
7	14423427	rs34628921	14443632	rs196751	0.253
7	16520773	rs11772541	16558354	rs10228487	0.211
7	17792353	rs2723497	17821057	rs2723501	0.825
7	17792353	rs2723497	17950332	rs4544985	0.495
7	17821057	rs2723501	17950332	rs4544985	0.398
7	19353457	rs6967671	19366356	rs9639329	0.548
7	23729805	rs10950957	23859818	rs6957981	0.385
7	23859818	rs6957981	23882268	rs7792262	0.240
7	23922398	rs17148510	23924393	rs7780155	0.922
7	24147580	rs198712	24179881	rs156318	0.456
7	24147580	rs198712	24184522	rs156308	0.448
7	24179881	rs156318	24184522	rs156308	0.711
7	24184522	rs156308	24224231	rs16217	0.377
7	25966662	rs6946189	25986081	rs4722557	0.987
7	28759930	rs35010731	28784337	rs35910392	0.750
7	28766752	rs4722842	28805091	rs4722855	0.566
7	28766752	rs4722842	28845849	rs4722858	0.490
7	28805091	rs4722855	28811671	rs6977628	0.320
7	28805091	rs4722855	28845849	rs4722858	0.750
7	28805091	rs4722855	28857274	rs768229	0.265
7	28811671	rs6977628	28845849	rs4722858	0.323
7	28811671	rs6977628	28857274	rs768229	0.514
7	28845849	rs4722858	28857274	rs768229	0.218
7	31515561	rs7803617	31515779	rs10228992	1.000
7	31610170	rs38327	31639395	rs38379	0.345
7	31610170	rs38327	31658222	rs3735424	0.439
7	32235840	rs7803347	32243806	rs12538506	0.830
7	37313843	rs9655380	37314747	rs2701003	0.498
7	38768570	rs3801140	38925791	rs10255290	0.209
7	39619158	rs1113117	39708450	rs2158549	0.668
7	39707012	rs7778955	39708450	rs2158549	0.247
7	41697456	rs2237436	41697578	rs2237435	0.707
7	41905263	rs1476666	41940034	rs6952496	0.281
7	42414251	rs1560617	42417749	rs12333485	0.953
7	44988782	rs1557934	45021739	rs6969223	0.899
7	44988782	rs1557934	45040324	rs1294966	0.863
7	44988782	rs1557934	45071642	rs3735486	0.309
7	45021739	rs6969223	45040324	rs1294966	0.969
7	45021739	rs6969223	45071642	rs3735486	0.375

7	45040324	rs1294966	45071642	rs3735486	0.337
7	45071642	rs3735486	45113181	rs3757572	0.202
7	47009631	rs10245153	47043330	rs12533855	0.402
7	48059930	rs10499672	48060754	rs7803787	1.000
7	51776473	rs17580955	51780004	rs10488099	0.682
7	51999593	rs387130	52003163	rs417184	1.000
7	54931888	rs6593195	54933847	rs17583407	0.491
7	55345979	rs2030807	55358496	rs2177807	0.969
7	55345979	rs2030807	55373694	rs6593233	0.969
7	55358496	rs2177807	55373694	rs6593233	1.000
7	63308111	rs10949880	63328963	rs2164110	0.367
7	63328963	rs2164110	63389515	rs10949887	0.365
7	63328963	rs2164110	63393541	rs17768351	0.221
7	63328963	rs2164110	63473967	rs10949909	0.270
7	63328963	rs2164110	63480341	rs12530839	0.276
7	63328963	rs2164110	63606271	rs34764583	0.280
7	63382364	rs687547	63389515	rs10949887	0.374
7	63382364	rs687547	63393541	rs17768351	0.255
7	63389515	rs10949887	63393541	rs17768351	0.609
7	63389515	rs10949887	63473967	rs10949909	0.414
7	63389515	rs10949887	63480341	rs12530839	0.421
7	63389515	rs10949887	63606271	rs34764583	0.395
7	63393541	rs17768351	63473967	rs10949909	0.672
7	63393541	rs17768351	63480341	rs12530839	0.681
7	63393541	rs17768351	63606271	rs34764583	0.444
7	63473967	rs10949909	63480341	rs12530839	0.985
7	63473967	rs10949909	63606271	rs34764583	0.640
7	63480341	rs12530839	63606271	rs34764583	0.651
7	65053082	rs1917563	65217157	rs6946143	0.546
7	65053082	rs1917563	65271756	rs10950029	0.313
7	65217157	rs6946143	65271756	rs10950029	0.570
7	67324499	rs12698679	67395195	rs6971845	0.342
7	67324499	rs12698679	67406049	rs12698688	0.349
7	67395195	rs6971845	67406049	rs12698688	0.915
7	67807177	rs11768294	67842575	rs880330	0.791
7	70093809	rs4719045	70129334	rs6969013	0.495
7	75532015	rs11972240	75534356	rs10476	1.000
7	75532015	rs11972240	75613946	rs7794454	0.916
7	75532015	rs11972240	75648409	rs9800948	0.967
7	75534356	rs10476	75613946	rs7794454	0.915
7	75534356	rs10476	75648409	rs9800948	0.966
7	75613946	rs7794454	75648409	rs9800948	0.913
7	76689259	rs7810066	76708934	rs17230010	0.466
7	77138046	rs17156320	77146231	rs17807185	0.521

7	77138046	rs17156320	77152754	rs12113119	0.510
7	77146231	rs17807185	77152754	rs12113119	0.977
7	78722211	rs7782585	78873419	rs9969364	0.402
7	79981291	rs17260734	79981364	rs17260769	1.000
7	82226650	rs13438494	82233177	rs34608268	0.575
7	82226650	rs13438494	82240309	rs10954689	0.344
7	82226650	rs13438494	82322986	rs7795945	0.220
7	82226650	rs13438494	82341378	rs1986742	0.740
7	82233177	rs34608268	82240309	rs10954689	0.699
7	82233177	rs34608268	82322986	rs7795945	0.387
7	82233177	rs34608268	82341378	rs1986742	0.500
7	82240309	rs10954689	82322986	rs7795945	0.515
7	82240309	rs10954689	82341378	rs1986742	0.306
7	82322986	rs7795945	82341378	rs1986742	0.249
7	83502065	rs17158535	83543343	rs12669854	0.336
7	83802374	rs520536	83939710	rs1236923	0.208
7	83939710	rs1236923	84197220	rs4728560	0.247
7	83939710	rs1236923	84281713	rs11764839	0.200
7	83939710	rs1236923	84291220	rs12672643	0.201
7	83939710	rs1236923	84291612	rs4395839	0.201
7	84197220	rs4728560	84281713	rs11764839	0.800
7	84197220	rs4728560	84291220	rs12672643	0.808
7	84197220	rs4728560	84291612	rs4395839	0.808
7	84197220	rs4728560	84341515	rs7799648	0.481
7	84281713	rs11764839	84291220	rs12672643	0.989
7	84281713	rs11764839	84291612	rs4395839	0.989
7	84281713	rs11764839	84341515	rs7799648	0.631
7	84291220	rs12672643	84291612	rs4395839	1.000
7	84291220	rs12672643	84341515	rs7799648	0.624
7	84291612	rs4395839	84341515	rs7799648	0.624
7	85285979	rs1911993	85368185	rs10280835	0.802
7	85436441	rs17313775	85509840	rs17316106	0.906
7	86225947	rs2888551	86243244	rs17160978	0.418
7	86298766	rs17161024	86305187	rs10952891	0.948
7	91278295	rs1209001	91455027	rs10488509	0.677
7	91347487	rs2269811	91379438	rs403	0.557
7	91347487	rs2269811	91694752	rs11769780	0.555
7	91379438	rs403	91694752	rs11769780	0.281
7	95713592	rs12704838	95854947	rs12536064	0.360
7	103189479	rs10487172	103271612	rs13233763	0.347
7	103189479	rs10487172	103305285	rs2283034	0.321
7	103271612	rs13233763	103305285	rs2283034	0.954
7	105609420	rs6954754	105620778	rs6951857	0.950
7	107148672	rs4730253	107183738	rs4730259	0.789

7	108317456	rs3922355	108319365	rs9690782	0.777
7	110321238	rs258984	110447291	rs7809411	0.266
7	110520953	rs2107147	110833204	rs258922	0.247
7	112140548	rs10216230	112140676	rs10215501	1.000
7	112140548	rs10216230	112187296	rs10271752	0.618
7	112140548	rs10216230	112230777	rs2396570	0.344
7	112140548	rs10216230	112231329	rs3957315	0.218
7	112140548	rs10216230	112252077	rs821785	0.598
7	112140548	rs10216230	112263992	rs821787	0.598
7	112140548	rs10216230	112287160	rs6948575	0.541
7	112140548	rs10216230	112323976	rs685259	0.582
7	112140676	rs10215501	112187296	rs10271752	0.618
7	112140676	rs10215501	112230777	rs2396570	0.344
7	112140676	rs10215501	112231329	rs3957315	0.218
7	112140676	rs10215501	112252077	rs821785	0.598
7	112140676	rs10215501	112263992	rs821787	0.598
7	112140676	rs10215501	112287160	rs6948575	0.541
7	112140676	rs10215501	112323976	rs685259	0.582
7	112187296	rs10271752	112230777	rs2396570	0.253
7	112187296	rs10271752	112252077	rs821785	0.789
7	112187296	rs10271752	112263992	rs821787	0.789
7	112187296	rs10271752	112287160	rs6948575	0.896
7	112187296	rs10271752	112323976	rs685259	0.768
7	112230777	rs2396570	112231329	rs3957315	0.705
7	112230777	rs2396570	112287160	rs6948575	0.242
7	112252077	rs821785	112263992	rs821787	1.000
7	112252077	rs821785	112287160	rs6948575	0.848
7	112252077	rs821785	112323976	rs685259	0.977
7	112263992	rs821787	112287160	rs6948575	0.848
7	112263992	rs821787	112323976	rs685259	0.977
7	112287160	rs6948575	112323976	rs685259	0.843
7	119754163	rs7805413	120012531	rs10257987	0.225
7	119754163	rs7805413	120018452	rs9886190	0.226
7	119754163	rs7805413	120022020	rs10277086	0.209
7	120012531	rs10257987	120018452	rs9886190	1.000
7	120012531	rs10257987	120018941	rs2049643	0.911
7	120012531	rs10257987	120022020	rs10277086	0.893
7	120018452	rs9886190	120018941	rs2049643	0.911
7	120018452	rs9886190	120022020	rs10277086	0.893
7	120018941	rs2049643	120022020	rs10277086	0.979
7	120774586	rs2707461	120790146	rs2536163	0.922
7	121768078	rs12706408	122127346	rs10268368	0.203
7	124779451	rs10500106	124782413	rs12706650	0.811
7	124817406	rs10808221	124817455	rs11766248	1.000

7	127133172	rs698408	127156383	rs12667197	0.880
7	127133172	rs698408	127426110	rs2241291	0.757
7	127156383	rs12667197	127426110	rs2241291	0.858
7	130971372	rs10272488	130971538	rs10257021	0.972
7	131104065	rs1106683	131104205	rs1106684	0.883
7	131104065	rs1106683	131104596	rs4535659	0.965
7	131104065	rs1106683	131108546	rs10954327	0.783
7	131104205	rs1106684	131104596	rs4535659	0.914
7	131104205	rs1106684	131108546	rs10954327	0.893
7	131104596	rs4535659	131108546	rs10954327	0.818
7	131165524	rs9656405	131167742	rs6944918	0.530
7	131165524	rs9656405	131168465	rs1004592	0.524
7	131165524	rs9656405	131168939	rs11975237	0.530
7	131167742	rs6944918	131168465	rs1004592	0.952
7	131167742	rs6944918	131168939	rs11975237	1.000
7	131168465	rs1004592	131168939	rs11975237	0.952
7	131804990	rs156932	131886201	rs1426496	0.316
7	131842267	rs125095	131854448	rs156978	0.781
7	132137536	rs998827	132140892	rs13246875	0.642
7	132140892	rs13246875	132436682	rs10245117	0.216
7	132392028	rs17422732	132436682	rs10245117	0.257
7	134151672	rs6956447	134219717	rs4732066	0.437
7	135133308	rs11762316	135133591	rs10233321	0.403
7	136030769	rs10244209	136134010	rs7792231	0.407
7	136543860	rs1725021	136552209	rs832974	0.963
7	139804299	rs6464779	139814627	rs10216203	1.000
7	139909578	rs1639945	140422870	rs553046	0.231
7	139909578	rs1639945	140423083	rs491554	0.233
7	140260681	rs11762469	140422870	rs553046	0.378
7	140260681	rs11762469	140423083	rs491554	0.380
7	140422870	rs553046	140423083	rs491554	0.990
7	143910061	rs17170146	143918753	rs10487634	0.525
7	143910061	rs17170146	143931363	rs4329196	0.612
7	143918753	rs10487634	143931363	rs4329196	0.692
7	147588565	rs1881723	147597745	rs10952742	0.258
7	147631587	rs1104853	147631751	rs1104852	0.921
7	148089577	rs11773084	148101252	rs2373414	0.991
7	148089577	rs11773084	148111166	rs1558419	0.268
7	148089577	rs11773084	148136997	rs740949	0.290
7	148089577	rs11773084	148139130	rs2072408	0.241
7	148089577	rs11773084	148149944	rs6464926	0.790
7	148101252	rs2373414	148111166	rs1558419	0.256
7	148101252	rs2373414	148136997	rs740949	0.288
7	148101252	rs2373414	148139130	rs2072408	0.229

7	148101252	rs2373414	148149944	rs6464926	0.798
7	148111166	rs1558419	148136997	rs740949	0.668
7	148111166	rs1558419	148139130	rs2072408	0.691
7	148111166	rs1558419	148149944	rs6464926	0.259
7	148136997	rs740949	148139130	rs2072408	0.679
7	148136997	rs740949	148149944	rs6464926	0.297
7	148139130	rs2072408	148149944	rs6464926	0.239
7	148545983	rs12704084	148547560	rs1202397	0.413
7	149861625	rs10277380	149876189	rs10236188	0.990
7	150916094	rs17173202	150916125	rs6464148	0.764
7	154577582	rs1529082	154578004	rs7800026	0.828
7	157768381	rs10237246	157774945	rs1597900	0.829
7	157768381	rs10237246	157781757	rs4909173	0.699
7	157768381	rs10237246	157782256	rs7800966	0.253
7	157768381	rs10237246	157783490	rs6950401	0.858
7	157774945	rs1597900	157781757	rs4909173	0.672
7	157774945	rs1597900	157783490	rs6950401	0.704
7	157781757	rs4909173	157782256	rs7800966	0.388
7	157781757	rs4909173	157783490	rs6950401	0.825
7	157782256	rs7800966	157783490	rs6950401	0.368
7	157950730	rs1670365	157957951	rs1733133	0.860
7	157950730	rs1670365	157958216	rs1632730	0.878
7	157957951	rs1733133	157958216	rs1632730	0.980
8	413694	rs11774384	426230	rs17065022	0.237
8	2095060	rs17752483	2100948	rs6981174	0.830
8	2095060	rs17752483	2106025	rs11990285	0.214
8	2100948	rs6981174	2101199	rs17685416	0.218
8	2100948	rs6981174	2106025	rs11990285	0.244
8	2101199	rs17685416	2106025	rs11990285	0.480
8	2309171	rs17063040	2675472	rs724654	0.203
8	3114063	rs13263104	3115312	rs7008857	0.734
8	3430697	rs17323568	3467652	rs1158563	0.314
8	3575030	rs1383950	3575173	rs4345580	0.271
8	5000841	rs4495448	5001153	rs7818064	0.767
8	6092262	rs4997127	6123920	rs7827867	0.258
8	6116508	rs4466421	6123920	rs7827867	0.691
8	6549500	rs10108451	6557762	rs1365042	0.537
8	6549500	rs10108451	6572293	rs2911976	0.410
8	6549500	rs10108451	6573272	rs2980684	0.404
8	6549500	rs10108451	6573287	rs2980683	0.397
8	6549500	rs10108451	6587757	rs2928576	0.403
8	6549500	rs10108451	6595480	rs2936507	0.262
8	6549500	rs10108451	6597571	rs2928579	0.306
8	6549500	rs10108451	6603381	rs2911970	0.262

8	6557762	rs1365042	6572293	rs2911976	0.836
8	6557762	rs1365042	6573272	rs2980684	0.834
8	6557762	rs1365042	6573287	rs2980683	0.843
8	6557762	rs1365042	6587757	rs2928576	0.796
8	6557762	rs1365042	6595480	rs2936507	0.554
8	6557762	rs1365042	6597571	rs2928579	0.615
8	6557762	rs1365042	6603381	rs2911970	0.576
8	6557762	rs1365042	6603545	rs2980688	0.517
8	6572293	rs2911976	6573272	rs2980684	0.979
8	6572293	rs2911976	6573287	rs2980683	0.968
8	6572293	rs2911976	6587757	rs2928576	0.898
8	6572293	rs2911976	6595480	rs2936507	0.616
8	6572293	rs2911976	6597571	rs2928579	0.686
8	6572293	rs2911976	6603381	rs2911970	0.648
8	6572293	rs2911976	6603545	rs2980688	0.647
8	6573272	rs2980684	6573287	rs2980683	0.989
8	6573272	rs2980684	6587757	rs2928576	0.897
8	6573272	rs2980684	6595480	rs2936507	0.616
8	6573272	rs2980684	6597571	rs2928579	0.689
8	6573272	rs2980684	6603381	rs2911970	0.652
8	6573272	rs2980684	6603545	rs2980688	0.654
8	6573287	rs2980683	6587757	rs2928576	0.887
8	6573287	rs2980683	6595480	rs2936507	0.621
8	6573287	rs2980683	6597571	rs2928579	0.693
8	6573287	rs2980683	6603381	rs2911970	0.652
8	6573287	rs2980683	6603545	rs2980688	0.657
8	6587757	rs2928576	6595480	rs2936507	0.689
8	6587757	rs2928576	6597571	rs2928579	0.772
8	6587757	rs2928576	6603381	rs2911970	0.731
8	6587757	rs2928576	6603545	rs2980688	0.714
8	6595480	rs2936507	6597571	rs2928579	0.817
8	6595480	rs2936507	6603381	rs2911970	0.763
8	6595480	rs2936507	6603545	rs2980688	0.755
8	6597571	rs2928579	6603381	rs2911970	0.859
8	6597571	rs2928579	6603545	rs2980688	0.903
8	6603381	rs2911970	6603545	rs2980688	1.000
8	8808383	rs403245	8808812	rs373204	0.879
8	8912648	rs13250919	8915922	rs6989707	0.909
8	8912648	rs13250919	8950115	rs2100021	0.321
8	8915922	rs6989707	8950115	rs2100021	0.307
8	10657436	rs17152302	10691571	rs10113332	0.926
8	11330445	rs7018402	11336016	rs12114115	0.974
8	14431172	rs1461859	14519569	rs12547411	0.293
8	14517871	rs4831619	14549919	rs1397293	0.874

8	14731549	rs12681897	14763659	rs4602887	0.409
8	15995933	rs10096072	16198679	rs4831814	0.208
8	16165538	rs2163120	16198679	rs4831814	0.817
8	16165538	rs2163120	16592499	rs1368538	0.248
8	16165538	rs2163120	16649761	rs1620255	0.272
8	16198679	rs4831814	16592499	rs1368538	0.359
8	16198679	rs4831814	16649761	rs1620255	0.229
8	16492644	rs1094542	16557658	rs17584028	0.256
8	16561402	rs17123386	16562352	rs6997598	0.936
8	16592499	rs1368538	16649761	rs1620255	0.226
8	16801933	rs2410441	16803309	rs823580	0.423
8	17551579	rs17590021	17595342	rs209972	0.544
8	17551579	rs17590021	17617387	rs2937891	0.369
8	17595342	rs209972	17617387	rs2937891	0.428
8	17657126	rs3739408	17657155	rs3739407	0.397
8	19234037	rs7845057	19257352	rs17128267	0.325
8	19234037	rs7845057	19257994	rs17128272	0.325
8	19234037	rs7845057	19260902	rs10503654	0.312
8	19257352	rs17128267	19257994	rs17128272	1.000
8	19257352	rs17128267	19260902	rs10503654	0.389
8	19257994	rs17128272	19260902	rs10503654	0.389
8	19630705	rs17091182	19630860	rs17091190	0.986
8	24424830	rs17052096	24437265	rs12546913	0.226
8	24566691	rs10099022	24785810	rs7844382	0.276
8	27645946	rs2010776	27680859	rs10091671	0.700
8	27645946	rs2010776	27706347	rs4732754	0.351
8	27656369	rs6987111	27660469	rs6989156	0.865
8	27656369	rs6987111	27668810	rs6989497	1.000
8	27656369	rs6987111	27694316	rs1460224	0.376
8	27656369	rs6987111	27725167	rs4732757	0.347
8	27656369	rs6987111	27729323	rs17057911	0.326
8	27656369	rs6987111	27729539	rs17057923	0.367
8	27660469	rs6989156	27668810	rs6989497	0.865
8	27660469	rs6989156	27694316	rs1460224	0.494
8	27660469	rs6989156	27725167	rs4732757	0.484
8	27660469	rs6989156	27729323	rs17057911	0.422
8	27660469	rs6989156	27729539	rs17057923	0.483
8	27668810	rs6989497	27694316	rs1460224	0.376
8	27668810	rs6989497	27725167	rs4732757	0.347
8	27668810	rs6989497	27729323	rs17057911	0.326
8	27668810	rs6989497	27729539	rs17057923	0.367
8	27680859	rs10091671	27706347	rs4732754	0.220
8	27680859	rs10091671	27772520	rs7824383	0.456
8	27680859	rs10091671	27787698	rs6558023	0.266

8	27694316	rs1460224	27725167	rs4732757	0.964
8	27694316	rs1460224	27729323	rs17057911	0.924
8	27694316	rs1460224	27729539	rs17057923	0.981
8	27725167	rs4732757	27729323	rs17057911	0.932
8	27725167	rs4732757	27729539	rs17057923	0.982
8	27729323	rs17057911	27729539	rs17057923	0.946
8	27772520	rs7824383	27787698	rs6558023	0.233
8	29142862	rs719926	29152772	rs6558102	0.546
8	30239111	rs2938217	30845258	rs323369	0.264
8	30239111	rs2938217	30850713	rs323375	0.271
8	30845258	rs323369	30850713	rs323375	0.992
8	31113009	rs2737334	31133012	rs2737339	0.820
8	31264379	rs4733239	31266000	rs7005168	0.719
8	31264379	rs4733239	31266118	rs6980510	0.719
8	31266000	rs7005168	31266118	rs6980510	1.000
8	32050583	rs10503896	32057445	rs1947734	0.539
8	32256855	rs16879099	32256902	rs16879101	1.000
8	34451364	rs10088476	34561583	rs7357540	0.535
8	34985910	rs10503970	34988743	rs6468300	0.231
8	35276445	rs12216854	35423940	rs10104759	0.200
8	35463388	rs7001739	35475675	rs10090689	0.874
8	35463388	rs7001739	35476016	rs4739412	0.790
8	35463388	rs7001739	35523949	rs12544168	0.799
8	35463388	rs7001739	35531300	rs6989128	0.466
8	35463388	rs7001739	35534272	rs983273	0.439
8	35463388	rs7001739	35541296	rs997084	0.424
8	35475675	rs10090689	35476016	rs4739412	0.927
8	35475675	rs10090689	35523949	rs12544168	0.794
8	35475675	rs10090689	35531300	rs6989128	0.606
8	35475675	rs10090689	35534272	rs983273	0.578
8	35475675	rs10090689	35541296	rs997084	0.563
8	35476016	rs4739412	35523949	rs12544168	0.772
8	35476016	rs4739412	35531300	rs6989128	0.587
8	35476016	rs4739412	35534272	rs983273	0.556
8	35476016	rs4739412	35541296	rs997084	0.539
8	35523949	rs12544168	35531300	rs6989128	0.559
8	35523949	rs12544168	35534272	rs983273	0.526
8	35523949	rs12544168	35541296	rs997084	0.509
8	35531300	rs6989128	35534272	rs983273	0.973
8	35531300	rs6989128	35541296	rs997084	0.959
8	35534272	rs983273	35541296	rs997084	0.986
8	36776986	rs10090112	36780844	rs12543523	0.608
8	39613659	rs1376720	39639013	rs9643868	0.317
8	39613659	rs1376720	39640576	rs6988389	0.317

8	39639013	rs9643868	39640576	rs6988389	1.000
8	43198024	rs9643892	43347778	rs899853	0.516
8	43198024	rs9643892	43618302	rs7460686	0.311
8	43347778	rs899853	43618302	rs7460686	0.654
8	43449355	rs4736856	43539989	rs7463484	0.792
8	49758694	rs900237	49880037	rs10108023	0.501
8	50221260	rs10081464	50255830	rs1509086	0.403
8	50221260	rs10081464	50257567	rs17527	0.403
8	50221260	rs10081464	50270223	rs4873330	0.422
8	50255830	rs1509086	50257567	rs17527	1.000
8	50255830	rs1509086	50270223	rs4873330	0.926
8	50257567	rs17527	50270223	rs4873330	0.926
8	53304268	rs16917539	53338179	rs7461434	0.410
8	54065270	rs12541632	54163602	rs4873713	0.264
8	54065270	rs12541632	54166313	rs2376432	0.264
8	54065270	rs12541632	54169597	rs4873722	0.264
8	54065270	rs12541632	54191589	rs4873729	0.298
8	54065270	rs12541632	54201931	rs2717637	0.271
8	54071219	rs360973	54108723	rs4873692	0.871
8	54071219	rs360973	54163602	rs4873713	0.513
8	54071219	rs360973	54166313	rs2376432	0.513
8	54071219	rs360973	54169597	rs4873722	0.513
8	54071219	rs360973	54191589	rs4873729	0.459
8	54071219	rs360973	54201931	rs2717637	0.575
8	54071219	rs360973	54269163	rs7007275	0.251
8	54108723	rs4873692	54163602	rs4873713	0.537
8	54108723	rs4873692	54166313	rs2376432	0.537
8	54108723	rs4873692	54169597	rs4873722	0.537
8	54108723	rs4873692	54191589	rs4873729	0.483
8	54108723	rs4873692	54201931	rs2717637	0.613
8	54108723	rs4873692	54269163	rs7007275	0.254
8	54141127	rs894915	54163602	rs4873713	0.421
8	54141127	rs894915	54166313	rs2376432	0.421
8	54141127	rs894915	54169597	rs4873722	0.421
8	54141127	rs894915	54191589	rs4873729	0.395
8	54141127	rs894915	54201931	rs2717637	0.294
8	54163602	rs4873713	54166313	rs2376432	1.000
8	54163602	rs4873713	54169597	rs4873722	1.000
8	54163602	rs4873713	54191589	rs4873729	0.937
8	54163602	rs4873713	54201931	rs2717637	0.830
8	54166313	rs2376432	54169597	rs4873722	1.000
8	54166313	rs2376432	54191589	rs4873729	0.937
8	54166313	rs2376432	54201931	rs2717637	0.830
8	54169597	rs4873722	54191589	rs4873729	0.937

8	54169597	rs4873722	54201931	rs2717637	0.830
8	54191589	rs4873729	54201931	rs2717637	0.886
8	56071878	rs6991044	56073331	rs4307317	0.978
8	57015415	rs11985083	57024296	rs16922464	0.523
8	57091969	rs884422	57112918	rs2668000	0.705
8	58198812	rs1442125	58220209	rs16921695	0.335
8	58198812	rs1442125	58244139	rs10958532	0.330
8	58198812	rs1442125	58246609	rs6994658	0.330
8	58198812	rs1442125	58267466	rs17194487	0.556
8	58198812	rs1442125	58277829	rs6982990	0.409
8	58198812	rs1442125	58320625	rs17804870	0.471
8	58198812	rs1442125	58323993	rs17805110	0.429
8	58198812	rs1442125	58332087	rs17805326	0.235
8	58198812	rs1442125	58332352	rs17805332	0.235
8	58220209	rs16921695	58244139	rs10958532	0.991
8	58220209	rs16921695	58246609	rs6994658	0.991
8	58220209	rs16921695	58267466	rs17194487	0.264
8	58220209	rs16921695	58277829	rs6982990	0.373
8	58220209	rs16921695	58320625	rs17804870	0.222
8	58220209	rs16921695	58323993	rs17805110	0.287
8	58244139	rs10958532	58246609	rs6994658	1.000
8	58244139	rs10958532	58267466	rs17194487	0.271
8	58244139	rs10958532	58277829	rs6982990	0.384
8	58244139	rs10958532	58320625	rs17804870	0.229
8	58244139	rs10958532	58323993	rs17805110	0.295
8	58246609	rs6994658	58267466	rs17194487	0.271
8	58246609	rs6994658	58277829	rs6982990	0.384
8	58246609	rs6994658	58320625	rs17804870	0.229
8	58246609	rs6994658	58323993	rs17805110	0.295
8	58267466	rs17194487	58277829	rs6982990	0.561
8	58267466	rs17194487	58320625	rs17804870	0.910
8	58267466	rs17194487	58323993	rs17805110	0.712
8	58267466	rs17194487	58332087	rs17805326	0.542
8	58267466	rs17194487	58332352	rs17805332	0.542
8	58277829	rs6982990	58320625	rs17804870	0.486
8	58277829	rs6982990	58323993	rs17805110	0.548
8	58277829	rs6982990	58332087	rs17805326	0.448
8	58277829	rs6982990	58332352	rs17805332	0.447
8	58320625	rs17804870	58323993	rs17805110	0.718
8	58320625	rs17804870	58332087	rs17805326	0.551
8	58320625	rs17804870	58332352	rs17805332	0.551
8	58323993	rs17805110	58332087	rs17805326	0.558
8	58323993	rs17805110	58332352	rs17805332	0.557
8	58332087	rs17805326	58332352	rs17805332	1.000

8	59516088	rs13277801	59532713	rs6985620	0.924
8	60964005	rs4607595	61009822	rs6985045	0.675
8	62991951	rs7840865	62994726	rs1864731	0.748
8	62991951	rs7840865	63000615	rs7842255	0.746
8	62991951	rs7840865	63084209	rs16928166	0.281
8	62991951	rs7840865	63113409	rs16928311	0.269
8	62991951	rs7840865	63116802	rs16928335	0.269
8	62991951	rs7840865	63170923	rs6990341	0.227
8	62994726	rs1864731	63000615	rs7842255	0.972
8	62994726	rs1864731	63084209	rs16928166	0.271
8	62994726	rs1864731	63113409	rs16928311	0.255
8	62994726	rs1864731	63116802	rs16928335	0.255
8	62994726	rs1864731	63170923	rs6990341	0.329
8	63000615	rs7842255	63084209	rs16928166	0.281
8	63000615	rs7842255	63113409	rs16928311	0.265
8	63000615	rs7842255	63116802	rs16928335	0.265
8	63000615	rs7842255	63170923	rs6990341	0.337
8	63084209	rs16928166	63113409	rs16928311	0.954
8	63084209	rs16928166	63116802	rs16928335	0.954
8	63113409	rs16928311	63116802	rs16928335	1.000
8	66626227	rs11777025	66632480	rs11781358	0.794
8	66626227	rs11777025	66677508	rs14213	0.341
8	66626227	rs11777025	66678337	rs1053088	0.341
8	66632480	rs11781358	66677508	rs14213	0.301
8	66632480	rs11781358	66678337	rs1053088	0.301
8	66677508	rs14213	66678337	rs1053088	1.000
8	67214949	rs7831234	67229334	rs9694082	0.709
8	67214949	rs7831234	67231942	rs7822243	0.709
8	67214949	rs7831234	67245286	rs6999100	0.563
8	67229334	rs9694082	67231942	rs7822243	1.000
8	67229334	rs9694082	67245286	rs6999100	0.804
8	67231942	rs7822243	67245286	rs6999100	0.799
8	68754736	rs2114051	68762513	rs6472330	0.578
8	68754736	rs2114051	68770846	rs2380427	0.551
8	68754736	rs2114051	68777945	rs2553651	0.773
8	68754736	rs2114051	68779823	rs2217028	0.528
8	68762513	rs6472330	68770846	rs2380427	0.941
8	68762513	rs6472330	68777945	rs2553651	0.451
8	68762513	rs6472330	68779823	rs2217028	0.932
8	68770846	rs2380427	68777945	rs2553651	0.455
8	68770846	rs2380427	68779823	rs2217028	0.974
8	68777945	rs2553651	68779823	rs2217028	0.460
8	71208965	rs4074358	71251571	rs10504469	1.000
8	73210302	rs16938055	73215633	rs10504532	0.486

8	73210302	rs16938055	73230236	rs4363243	0.301
8	73705254	rs13253101	73742670	rs2246785	0.288
8	73742670	rs2246785	74189026	rs11992054	0.244
8	75037912	rs12541216	75038119	rs10504552	1.000
8	75189439	rs6987422	75199459	rs41421651	0.356
8	75221845	rs2912302	75238861	rs1875064	1.000
8	75221845	rs2912302	75247824	rs2977056	0.663
8	75221845	rs2912302	75251256	rs2936680	0.760
8	75238861	rs1875064	75247824	rs2977056	0.663
8	75238861	rs1875064	75251256	rs2936680	0.760
8	75247824	rs2977056	75251256	rs2936680	0.831
8	75306307	rs10957702	75342192	rs2977046	0.247
8	77072706	rs12543819	77088796	rs863813	0.767
8	77072706	rs12543819	77100509	rs830435	0.691
8	77088796	rs863813	77100509	rs830435	0.476
8	80381470	rs2169149	80389955	rs1460162	0.644
8	80381470	rs2169149	80390003	rs1460163	1.000
8	80389955	rs1460162	80390003	rs1460163	0.644
8	84276448	rs7829784	84277905	rs2090880	0.859
8	84276448	rs7829784	84675888	rs7007038	0.306
8	84277905	rs2090880	84675888	rs7007038	0.270
8	87764021	rs7842410	87835529	rs1458132	0.480
8	87953076	rs6468519	87974367	rs10955093	0.835
8	88872232	rs7840637	88880870	rs7824648	0.278
8	96252193	rs297571	96254526	rs17668689	0.237
8	96664912	rs3104964	96714775	rs6471550	0.371
8	98348127	rs2053480	98351602	rs1835744	0.294
8	98691409	rs2512423	98691491	rs2512424	0.983
8	103635402	rs998200	103636875	rs2436896	0.922
8	103635402	rs998200	103638274	rs2248178	0.824
8	103635402	rs998200	103638355	rs2248172	0.824
8	103636875	rs2436896	103638274	rs2248178	0.892
8	103636875	rs2436896	103638355	rs2248172	0.892
8	103638274	rs2248178	103638355	rs2248172	1.000
8	106062241	rs11784380	106121519	rs3101274	0.454
8	109754362	rs904174	109756487	rs904175	0.818
8	109754362	rs904174	109769766	rs3019417	0.281
8	109754362	rs904174	109775285	rs4735075	0.811
8	109756487	rs904175	109769766	rs3019417	0.423
8	109756487	rs904175	109775285	rs4735075	0.961
8	109769766	rs3019417	109775285	rs4735075	0.409
8	110651938	rs2703388	110663324	rs2844235	0.794
8	111243309	rs13272142	111253247	rs2350728	0.212
8	111988767	rs11785408	112011935	rs7388152	0.259

8	111988767	rs11785408	112260608	rs1427181	0.206
8	112812615	rs9297452	112845541	rs6469379	0.944
8	112812615	rs9297452	112898378	rs1397367	0.843
8	112845541	rs6469379	112898378	rs1397367	0.815
8	116521516	rs3808409	116666214	rs2272619	0.513
8	117576668	rs6997203	117579310	rs11775732	0.958
8	118740648	rs4604472	118770631	rs1508566	0.580
8	122585726	rs1542683	122592919	rs2385922	0.767
8	123498651	rs11781643	123513831	rs6993726	0.961
8	124710187	rs16898637	124715203	rs12545556	0.533
8	124710187	rs16898637	124719608	rs11777302	0.250
8	124715203	rs12545556	124719608	rs11777302	0.262
8	124715203	rs12545556	124735468	rs4374971	0.203
8	124715203	rs12545556	124736503	rs6470170	0.203
8	124719608	rs11777302	124722976	rs13261694	0.552
8	124719608	rs11777302	124735468	rs4374971	0.469
8	124719608	rs11777302	124736503	rs6470170	0.469
8	124722976	rs13261694	124735468	rs4374971	0.287
8	124722976	rs13261694	124736503	rs6470170	0.287
8	124735468	rs4374971	124736503	rs6470170	1.000
8	125337303	rs16899480	125366053	rs17296667	0.453
8	128051271	rs4871004	128055648	rs2392683	0.834
8	128051271	rs4871004	128095310	rs710885	0.776
8	128055648	rs2392683	128095310	rs710885	0.682
8	128902659	rs7829132	128909458	rs4733792	0.983
8	128902659	rs7829132	128913644	rs4733797	0.811
8	128902659	rs7829132	128926090	rs4332094	0.243
8	128902659	rs7829132	128927871	rs13259137	0.493
8	128909458	rs4733792	128913644	rs4733797	0.810
8	128909458	rs4733792	128926090	rs4332094	0.249
8	128909458	rs4733792	128927871	rs13259137	0.498
8	128913644	rs4733797	128926090	rs4332094	0.227
8	128913644	rs4733797	128927871	rs13259137	0.617
8	128926090	rs4332094	128927871	rs13259137	0.339
8	130362958	rs4733695	130368674	rs4480081	0.686
8	131739875	rs17312795	131814746	rs1876882	0.904
8	134609061	rs2978015	134617753	rs2978023	0.542
8	136956284	rs4130250	136994256	rs6997347	0.443
8	137082629	rs1868368	137105435	rs6577701	0.253
8	137082629	rs1868368	137113539	rs13266231	0.269
8	137092988	rs10505642	137094522	rs6994909	0.880
8	137092988	rs10505642	137094596	rs4909537	0.981
8	137092988	rs10505642	137105435	rs6577701	0.533
8	137092988	rs10505642	137113539	rs13266231	0.487

8	137094522	rs6994909	137094596	rs4909537	0.897
8	137094522	rs6994909	137105435	rs6577701	0.479
8	137094522	rs6994909	137113539	rs13266231	0.414
8	137094596	rs4909537	137105435	rs6577701	0.549
8	137094596	rs4909537	137113539	rs13266231	0.487
8	137105435	rs6577701	137113539	rs13266231	0.943
8	138673785	rs28483233	138682350	rs6577810	0.622
8	138673785	rs28483233	138684814	rs4489355	0.639
8	138682350	rs6577810	138684814	rs4489355	0.979
8	138987482	rs2705295	138988883	rs2705291	1.000
8	138987482	rs2705295	139012095	rs2705285	0.202
8	138988883	rs2705291	139012095	rs2705285	0.202
8	139012095	rs2705285	139034394	rs2668129	0.917
8	139940650	rs12114311	139943056	rs11166850	0.389
8	140232633	rs4074554	140237822	rs11166882	1.000
8	140236061	rs6577996	140272967	rs6578008	0.904
8	141145379	rs883613	141145805	rs9987138	0.209
8	141669401	rs6983924	141680246	rs938726	0.625
8	141669401	rs6983924	141711737	rs4961226	0.223
8	141669401	rs6983924	141712113	rs6987810	0.213
8	141711737	rs4961226	141712113	rs6987810	0.268
9	1061814	rs7043337	1063114	rs1876752	0.923
9	1707031	rs10962856	1707158	rs10962859	0.429
9	1707031	rs10962856	1715917	rs1904091	0.872
9	1707158	rs10962859	1715917	rs1904091	0.373
9	2333547	rs2210398	2351176	rs871786	0.807
9	4109707	rs806051	4117906	rs529420	0.340
9	4824394	rs457287	4824597	rs461130	0.868
9	6243571	rs10975519	6245319	rs7047921	0.979
9	6258204	rs2039386	6421946	rs10758790	0.518
9	6397799	rs10758783	6421946	rs10758790	0.244
9	6964900	rs1570507	6967233	rs10491778	0.975
9	6964900	rs1570507	6968691	rs1323410	0.964
9	6964900	rs1570507	7041826	rs7019027	0.264
9	6967233	rs10491778	6968691	rs1323410	0.988
9	6967233	rs10491778	7041826	rs7019027	0.250
9	6968691	rs1323410	7041826	rs7019027	0.243
9	7041826	rs7019027	7062065	rs4740869	0.850
9	8279350	rs10976918	8322307	rs16927547	0.224
9	8568551	rs7023351	8625791	rs1512380	0.223
9	8568551	rs7023351	8636183	rs16928238	0.365
9	8594583	rs17573565	8625791	rs1512380	0.312
9	8594583	rs17573565	8636183	rs16928238	0.417
9	8625791	rs1512380	8636183	rs16928238	0.713

9	8863732	rs10759011	8863866	rs10739174	0.346
9	11459190	rs10959841	11481500	rs10491950	0.441
9	15704658	rs7847144	15704811	rs6474954	0.915
9	15704658	rs7847144	15773266	rs4146291	0.599
9	15704658	rs7847144	15942197	rs10810502	0.458
9	15704811	rs6474954	15773266	rs4146291	0.521
9	15704811	rs6474954	15942197	rs10810502	0.393
9	15773266	rs4146291	15942197	rs10810502	0.737
9	15852959	rs770193	15994012	rs1887665	0.323
9	16185381	rs16934205	16186674	rs12005826	0.864
9	16509926	rs10756757	16553123	rs10756762	0.646
9	16509926	rs10756757	16635894	rs10810581	0.521
9	16553123	rs10756762	16635894	rs10810581	0.484
9	16686187	rs1888207	16686510	rs10738446	0.982
9	16686187	rs1888207	16696012	rs2297176	0.958
9	16686187	rs1888207	16792973	rs2254330	0.232
9	16686510	rs10738446	16696012	rs2297176	0.956
9	16686510	rs10738446	16792973	rs2254330	0.228
9	16696012	rs2297176	16792973	rs2254330	0.250
9	16720653	rs1856132	16796521	rs12351269	0.585
9	17926235	rs10963347	17946618	rs10963360	0.515
9	17926235	rs10963347	17955723	rs16936157	0.381
9	17946618	rs10963360	17955723	rs16936157	0.640
9	18808890	rs10156461	18852658	rs7862903	0.281
9	18852658	rs7862903	19409446	rs7046518	0.203
9	22699756	rs647549	22723238	rs555828	0.695
9	24949557	rs10114899	24991219	rs4507853	0.652
9	25316440	rs7038072	25332777	rs10966868	0.813
9	27187673	rs606342	27193134	rs638203	0.884
9	29654138	rs10969315	29661982	rs10969317	0.916
9	31143406	rs10758026	31154389	rs1414025	0.789
9	31701586	rs10970497	31702096	rs12550877	0.979
9	33117640	rs10813950	33118021	rs10813951	0.635
9	33117640	rs10813950	33143527	rs10813957	0.635
9	33118021	rs10813951	33143527	rs10813957	1.000
9	36720774	rs10758392	36724872	rs7043503	0.520
9	36720774	rs10758392	36724901	rs7043808	0.520
9	36720774	rs10758392	36726811	rs10738976	0.474
9	36724872	rs7043503	36724901	rs7043808	1.000
9	36724872	rs7043503	36726811	rs10738976	0.955
9	36724901	rs7043808	36726811	rs10738976	0.955
9	36965108	rs10814496	36979054	rs4880048	0.465
9	38190215	rs2585667	38190670	rs2585668	0.991
9	71625533	rs17439752	71638815	rs10521434	0.942

9	72984279	rs7469513	72984412	rs10868968	0.991
9	72984279	rs7469513	72984608	rs11142716	0.991
9	72984279	rs7469513	72997021	rs6560186	0.974
9	72984279	rs7469513	73001077	rs10746864	0.974
9	72984279	rs7469513	73014929	rs2174306	0.958
9	72984279	rs7469513	73017626	rs1354458	0.596
9	72984279	rs7469513	73022306	rs12346443	0.911
9	72984279	rs7469513	73059780	rs11142756	0.856
9	72984412	rs10868968	72984608	rs11142716	1.000
9	72984412	rs10868968	72997021	rs6560186	0.983
9	72984412	rs10868968	73001077	rs10746864	0.983
9	72984412	rs10868968	73014929	rs2174306	0.969
9	72984412	rs10868968	73017626	rs1354458	0.601
9	72984412	rs10868968	73022306	rs12346443	0.919
9	72984412	rs10868968	73059780	rs11142756	0.865
9	72984608	rs11142716	72997021	rs6560186	0.982
9	72984608	rs11142716	73001077	rs10746864	0.982
9	72984608	rs11142716	73014929	rs2174306	0.968
9	72984608	rs11142716	73017626	rs1354458	0.602
9	72984608	rs11142716	73022306	rs12346443	0.918
9	72984608	rs11142716	73059780	rs11142756	0.864
9	72997021	rs6560186	73001077	rs10746864	1.000
9	72997021	rs6560186	73014929	rs2174306	0.989
9	72997021	rs6560186	73017626	rs1354458	0.621
9	72997021	rs6560186	73022306	rs12346443	0.934
9	72997021	rs6560186	73059780	rs11142756	0.883
9	73001077	rs10746864	73014929	rs2174306	0.989
9	73001077	rs10746864	73017626	rs1354458	0.621
9	73001077	rs10746864	73022306	rs12346443	0.934
9	73001077	rs10746864	73059780	rs11142756	0.883
9	73014929	rs2174306	73017626	rs1354458	0.601
9	73014929	rs2174306	73022306	rs12346443	0.910
9	73014929	rs2174306	73059780	rs11142756	0.862
9	73017626	rs1354458	73022306	rs12346443	0.556
9	73017626	rs1354458	73059780	rs11142756	0.518
9	73022306	rs12346443	73059780	rs11142756	0.832
9	73518742	rs3780610	73569079	rs12379790	0.424
9	74047938	rs4130866	74073145	rs1322479	0.287
9	77630293	rs11144637	77646521	rs7031123	0.556
9	78766008	rs7852521	78766827	rs7856464	0.321
9	81236271	rs13298282	81264935	rs10491787	0.788
9	81236271	rs13298282	81266285	rs11138241	0.785
9	81236271	rs13298282	81267705	rs17427625	0.859
9	81236271	rs13298282	81286014	rs10491791	0.717

9	81264935	rs10491787	81266285	rs11138241	1.000
9	81264935	rs10491787	81267705	rs17427625	0.877
9	81264935	rs10491787	81286014	rs10491791	0.805
9	81264935	rs10491787	81306157	rs17082511	0.202
9	81266285	rs11138241	81267705	rs17427625	0.876
9	81266285	rs11138241	81286014	rs10491791	0.802
9	81267705	rs17427625	81286014	rs10491791	0.783
9	81286014	rs10491791	81306157	rs17082511	0.202
9	83444937	rs947673	83452715	rs4877221	0.836
9	84589743	rs4877708	84590086	rs4877709	0.445
9	85856918	rs973460	85861585	rs7033778	0.888
9	85856918	rs973460	85863663	rs1436932	0.888
9	85861585	rs7033778	85863663	rs1436932	1.000
9	86039924	rs7026159	86062589	rs7848051	0.774
9	86039924	rs7026159	86095927	rs6559779	0.248
9	86039924	rs7026159	86099255	rs885003	0.236
9	86039924	rs7026159	86106730	rs12342617	0.413
9	86059945	rs1932649	86061696	rs11140475	0.652
9	86062589	rs7848051	86095927	rs6559779	0.275
9	86062589	rs7848051	86099255	rs885003	0.255
9	86062589	rs7848051	86106730	rs12342617	0.547
9	86095927	rs6559779	86099255	rs885003	0.906
9	86095927	rs6559779	86106730	rs12342617	0.465
9	86099255	rs885003	86106730	rs12342617	0.521
9	86115568	rs11140507	86115666	rs10780660	0.943
9	86115568	rs11140507	86116127	rs10780661	0.872
9	86115568	rs11140507	86116712	rs11140508	0.706
9	86115666	rs10780660	86116127	rs10780661	0.928
9	86115666	rs10780660	86116712	rs11140508	0.750
9	86116127	rs10780661	86116712	rs11140508	0.716
9	86772647	rs984430	86803143	rs4877895	0.215
9	89082420	rs927524	89122734	rs6559978	0.307
9	89360808	rs11141879	89361340	rs7852573	1.000
9	91733701	rs7025971	91766807	rs10993331	0.277
9	92696806	rs158690	92698773	rs12344755	0.720
9	93315663	rs7039956	93350488	rs6479357	0.536
9	94040930	rs471478	94099611	rs710162	0.676
9	94040930	rs471478	94191198	rs7853859	0.556
9	94040930	rs471478	94599326	rs10992471	0.460
9	94099611	rs710162	94191198	rs7853859	0.819
9	94099611	rs710162	94599326	rs10992471	0.426
9	94191198	rs7853859	94599326	rs10992471	0.352
9	95125191	rs3001450	95285108	rs11791374	0.225
9	95125191	rs3001450	95311188	rs10821147	0.228

9	95285108	rs11791374	95311188	rs10821147	0.928
9	95285108	rs11791374	95391038	rs10761238	0.617
9	95311188	rs10821147	95391038	rs10761238	0.684
9	96878602	rs7033633	97026515	rs356689	0.862
9	97417012	rs4743091	97422771	rs7854560	0.650
9	97548449	rs4743271	97548530	rs4743272	1.000
9	99573968	rs1877431	99663198	rs993501	0.381
9	103033320	rs2052977	103061577	rs12237965	0.646
9	104162114	rs10990034	104167500	rs10990041	1.000
9	110341967	rs7044959	110348705	rs10979392	0.818
9	110341967	rs7044959	110375089	rs10979405	0.226
9	110341967	rs7044959	110375416	rs12551911	0.314
9	110348705	rs10979392	110375089	rs10979405	0.281
9	110348705	rs10979392	110375416	rs12551911	0.377
9	110375089	rs10979405	110375416	rs12551911	0.914
9	110449978	rs2900469	110488445	rs16913434	0.229
9	110464975	rs1994807	110488445	rs16913434	0.584
9	110595461	rs10116332	110627972	rs4339712	0.400
9	110643188	rs13296942	110661885	rs10114192	0.480
9	113127517	rs866624	113184850	rs6477821	0.829
9	113127517	rs866624	113203078	rs4978996	0.836
9	113127517	rs866624	113209951	rs12350676	0.234
9	113127517	rs866624	113258768	rs4978998	0.726
9	113127517	rs866624	113322866	rs4448355	0.240
9	113184850	rs6477821	113203078	rs4978996	0.991
9	113184850	rs6477821	113209951	rs12350676	0.283
9	113184850	rs6477821	113258768	rs4978998	0.902
9	113184850	rs6477821	113322866	rs4448355	0.265
9	113203078	rs4978996	113209951	rs12350676	0.279
9	113203078	rs4978996	113258768	rs4978998	0.893
9	113203078	rs4978996	113322866	rs4448355	0.269
9	113209951	rs12350676	113258768	rs4978998	0.328
9	113209951	rs12350676	113322866	rs4448355	0.416
9	113258768	rs4978998	113322866	rs4448355	0.317
9	117212106	rs1989766	117290615	rs1858731	0.300
9	118449459	rs2900132	118514893	rs10983314	0.698
9	118449459	rs2900132	118523287	rs10983319	0.485
9	118514893	rs10983314	118523287	rs10983319	0.399
9	119229592	rs10983650	119231794	rs1415377	0.927
9	120710357	rs10984298	120751241	rs10984333	0.821
9	120710357	rs10984298	120763836	rs4512453	0.247
9	120751241	rs10984333	120763836	rs4512453	0.213
9	122907291	rs7022941	123075201	rs10739594	0.347
9	124039773	rs10818653	124044926	rs10760215	0.481

9	124039773	rs10818653	124065983	rs10760220	0.468
9	124044926	rs10760215	124065983	rs10760220	0.982
9	126269939	rs10818977	126425430	rs4076333	0.346
9	129146599	rs7863063	129165005	rs10987613	0.252
9	130281629	rs4837271	130329421	rs869455	0.674
9	130281629	rs4837271	130343343	rs10760563	0.685
9	130329421	rs869455	130343343	rs10760563	0.988
9	133448145	rs3765543	133522233	rs6597515	0.216
9	134162233	rs2296869	134162486	rs2296870	0.946
9	134162233	rs2296869	134163506	rs2296871	0.991
9	134162486	rs2296870	134163506	rs2296871	0.928
9	137144989	rs10858336	137148064	rs11790027	0.441
9	139586637	rs950078	139805843	rs10867070	0.215
10	803426	rs11253424	818288	rs11253441	0.919
10	1888716	rs11250832	1892670	rs10794794	0.202
10	1892367	rs11250839	1892429	rs4077784	0.525
10	1892367	rs11250839	1892670	rs10794794	0.504
10	1892429	rs4077784	1892670	rs10794794	0.980
10	2629732	rs17158677	2635905	rs17158687	0.947
10	2756759	rs11251468	2756921	rs11251469	1.000
10	3514893	rs1962663	3572348	rs705478	0.215
10	3514893	rs1962663	3584187	rs7911947	0.278
10	3572348	rs705478	3584187	rs7911947	0.233
10	3937069	rs11599077	3942714	rs7350412	0.292
10	3937069	rs11599077	3946173	rs4572033	0.450
10	3942714	rs7350412	3946173	rs4572033	0.441
10	4883318	rs10795202	4916008	rs7071257	0.679
10	5058113	rs10904392	5103711	rs4881394	0.270
10	6897313	rs11254759	6922666	rs11254798	0.347
10	8747207	rs11255804	8771261	rs7912831	0.302
10	9141442	rs2760206	9148524	rs17145188	0.482
10	9148524	rs17145188	9244955	rs10905523	0.210
10	9148524	rs17145188	9255068	rs11256103	0.207
10	9212297	rs17145278	9244955	rs10905523	0.742
10	9212297	rs17145278	9255068	rs11256103	0.737
10	9244955	rs10905523	9255068	rs11256103	1.000
10	9444181	rs1762766	9449003	rs2477043	0.987
10	9557144	rs4749869	9557305	rs4749871	1.000
10	11484876	rs2440100	11494638	rs2440110	0.753
10	11484876	rs2440100	11505909	rs2455596	0.639
10	11494638	rs2440110	11505909	rs2455596	0.458
10	12889254	rs11258001	12889796	rs10906228	0.701
10	13676307	rs11258459	13692836	rs7910585	0.514
10	13692836	rs7910585	13724849	rs10508463	0.394

10	13692836	rs7910585	13724911	rs11258494	0.394
10	13692836	rs7910585	13725082	rs10508464	0.394
10	13692836	rs7910585	13725194	rs10508465	0.394
10	13692836	rs7910585	13725557	rs4626964	0.391
10	13692836	rs7910585	13725772	rs13005	0.394
10	13724849	rs10508463	13724911	rs11258494	1.000
10	13724849	rs10508463	13725082	rs10508464	1.000
10	13724849	rs10508463	13725194	rs10508465	1.000
10	13724849	rs10508463	13725557	rs4626964	0.983
10	13724849	rs10508463	13725772	rs13005	1.000
10	13724911	rs11258494	13725082	rs10508464	1.000
10	13724911	rs11258494	13725194	rs10508465	1.000
10	13724911	rs11258494	13725557	rs4626964	0.983
10	13724911	rs11258494	13725772	rs13005	1.000
10	13725082	rs10508464	13725194	rs10508465	1.000
10	13725082	rs10508464	13725557	rs4626964	0.983
10	13725082	rs10508464	13725772	rs13005	1.000
10	13725194	rs10508465	13725557	rs4626964	0.983
10	13725194	rs10508465	13725772	rs13005	1.000
10	13725557	rs4626964	13725772	rs13005	0.983
10	14158090	rs7095572	14168566	rs968273	0.350
10	16466321	rs17138511	16469618	rs7082220	0.451
10	17344934	rs5009752	17370186	rs359288	0.225
10	18491890	rs11598236	18510335	rs12413195	0.236
10	19612735	rs2499065	19641830	rs11009410	0.237
10	19612735	rs2499065	19684979	rs11009595	0.249
10	19612735	rs2499065	19685245	rs1591345	0.221
10	19641830	rs11009410	19684979	rs11009595	0.779
10	19641830	rs11009410	19685245	rs1591345	0.543
10	19684979	rs11009595	19685245	rs1591345	0.669
10	19684979	rs11009595	19733181	rs7079302	0.215
10	19685245	rs1591345	19733181	rs7079302	0.215
10	20556872	rs7073927	20556984	rs7074175	1.000
10	22381427	rs4437938	22381580	rs4266962	1.000
10	22748913	rs11012989	22764104	rs6482213	0.325
10	22748913	rs11012989	22780965	rs7914254	0.541
10	22748913	rs11012989	23204056	rs7899968	0.210
10	22764104	rs6482213	22780965	rs7914254	0.461
10	23204056	rs7899968	23277574	rs17440393	0.249
10	23277574	rs17440393	23289115	rs11013210	0.788
10	23765898	rs2137157	23808903	rs6482286	0.214
10	25821413	rs1329255	25828641	rs7072700	0.522
10	25821413	rs1329255	25828674	rs10828810	0.312
10	25828641	rs7072700	25828674	rs10828810	0.308

10	25828641	rs7072700	25917657	rs11014632	0.402
10	25828674	rs10828810	25905769	rs4747532	0.257
10	25828674	rs10828810	25909549	rs11014625	0.502
10	25905769	rs4747532	25909549	rs11014625	0.685
10	25905769	rs4747532	25917657	rs11014632	0.316
10	27295757	rs7896781	27296142	rs11015433	0.255
10	27709661	rs532473	27722150	rs1413895	0.569
10	27709661	rs532473	27722495	rs517060	0.880
10	27722150	rs1413895	27722495	rs517060	0.634
10	29590393	rs2211397	29609361	rs2488264	0.254
10	29621792	rs10763702	29626489	rs10763704	0.501
10	29975384	rs11007683	29975784	rs17778999	1.000
10	30654280	rs10763778	30680405	rs10826786	0.967
10	30771645	rs8176983	30771666	rs8176984	0.982
10	30901965	rs7074198	30902073	rs4362058	1.000
10	34461560	rs1692708	34481223	rs1148242	0.694
10	34464515	rs10827330	34513449	rs642099	0.516
10	34481223	rs1148242	34535295	rs678188	0.278
10	34535295	rs678188	34567393	rs1111267	0.274
10	36793219	rs3924753	36899882	rs2483008	0.266
10	37599485	rs1200820	37604993	rs1200826	0.837
10	37932950	rs10740944	37981342	rs289642	0.421
10	47062190	rs750211	47067457	rs7069401	0.543
10	49646975	rs12768835	49649839	rs6537576	0.397
10	49646975	rs12768835	49700029	rs10857650	0.270
10	49646975	rs12768835	49700248	rs3747878	0.272
10	49649839	rs6537576	49699711	rs2620891	0.360
10	49649839	rs6537576	49715462	rs7922169	0.250
10	49698112	rs12242220	49765425	rs12248178	0.488
10	49699711	rs2620891	49715462	rs7922169	0.615
10	49699711	rs2620891	49730508	rs2620887	0.272
10	49699711	rs2620891	49764792	rs2671711	0.302
10	49700029	rs10857650	49700248	rs3747878	1.000
10	49700029	rs10857650	49715462	rs7922169	0.246
10	49700029	rs10857650	49730508	rs2620887	0.398
10	49700029	rs10857650	49764792	rs2671711	0.333
10	49700248	rs3747878	49715462	rs7922169	0.248
10	49700248	rs3747878	49730508	rs2620887	0.400
10	49700248	rs3747878	49764792	rs2671711	0.335
10	49715462	rs7922169	49730508	rs2620887	0.242
10	49715462	rs7922169	49764792	rs2671711	0.254
10	49715462	rs7922169	49765425	rs12248178	0.250
10	49730508	rs2620887	49764792	rs2671711	0.814
10	52405002	rs7076364	52437180	rs10995339	0.739

10	52405002	rs7076364	52444923	rs10822095	0.731
10	52422379	rs2816836	52422640	rs2816835	1.000
10	52422379	rs2816836	52444054	rs7895755	0.632
10	52422379	rs2816836	52498177	rs10761774	0.323
10	52422640	rs2816835	52444054	rs7895755	0.632
10	52422640	rs2816835	52498177	rs10761774	0.323
10	52437180	rs10995339	52444923	rs10822095	0.989
10	52444054	rs7895755	52498177	rs10761774	0.500
10	52498177	rs10761774	52544506	rs9299465	0.468
10	52833546	rs17529748	52870282	rs17531066	0.956
10	52919580	rs10508944	52932639	rs1952138	0.968
10	54395856	rs7916982	54426191	rs7915769	0.293
10	54566822	rs6480996	54567756	rs2384124	1.000
10	56106514	rs6481116	56143760	rs10825383	0.362
10	56142441	rs11004466	56143760	rs10825383	0.266
10	56142441	rs11004466	56144916	rs11004473	1.000
10	56142441	rs11004466	56162216	rs11004515	1.000
10	56143760	rs10825383	56144916	rs11004473	0.266
10	56143760	rs10825383	56162216	rs11004515	0.266
10	56144916	rs11004473	56162216	rs11004515	1.000
10	57390788	rs7897632	57391103	rs2131967	0.644
10	57390788	rs7897632	57391411	rs2172738	0.668
10	57390788	rs7897632	57391868	rs10825680	0.454
10	57390788	rs7897632	57424570	rs10763287	0.436
10	57390788	rs7897632	57448762	rs4384321	0.403
10	57390788	rs7897632	57448789	rs4384322	0.387
10	57391103	rs2131967	57391411	rs2172738	0.956
10	57391103	rs2131967	57391868	rs10825680	0.624
10	57391103	rs2131967	57424570	rs10763287	0.445
10	57391103	rs2131967	57448762	rs4384321	0.419
10	57391103	rs2131967	57448789	rs4384322	0.426
10	57391411	rs2172738	57391868	rs10825680	0.669
10	57391411	rs2172738	57424570	rs10763287	0.468
10	57391411	rs2172738	57448762	rs4384321	0.443
10	57391411	rs2172738	57448789	rs4384322	0.436
10	57391868	rs10825680	57424570	rs10763287	0.720
10	57391868	rs10825680	57448762	rs4384321	0.707
10	57391868	rs10825680	57448789	rs4384322	0.695
10	57424570	rs10763287	57448762	rs4384321	0.951
10	57424570	rs10763287	57448789	rs4384322	0.943
10	57448762	rs4384321	57448789	rs4384322	0.990
10	58057613	rs12098738	58340522	rs2818836	0.269
10	58057613	rs12098738	58380039	rs11817479	0.344
10	58340522	rs2818836	58380039	rs11817479	0.407

10	60809191	rs7069283	60811072	rs7903343	0.947
10	61224012	rs2271564	61364310	rs1664278	0.327
10	64343487	rs10740095	64421047	rs4746783	0.328
10	64594223	rs11817689	64813564	rs9415699	1.000
10	64915681	rs16918507	64985492	rs6479906	0.249
10	66648119	rs9414877	66676003	rs10996304	0.584
10	66676003	rs10996304	66681694	rs7906982	0.406
10	66676003	rs10996304	66689678	rs9415814	0.304
10	66681694	rs7906982	66689678	rs9415814	0.659
10	67337138	rs1670159	67359195	rs1786923	0.335
10	68786426	rs9415871	68848215	rs10740277	0.630
10	69591909	rs10997963	69605065	rs7097776	0.271
10	69591909	rs10997963	69629843	rs4746738	0.370
10	69605065	rs7097776	69629843	rs4746738	0.578
10	69883970	rs10998184	69884059	rs10998185	0.359
10	69883970	rs10998184	69939971	rs2457458	0.372
10	72958955	rs7911202	72966441	rs4747164	0.287
10	73126384	rs7094357	73127923	rs10999960	0.788
10	74438930	rs12253630	74677594	rs16930466	0.541
10	80764708	rs16937080	80771685	rs2105461	0.223
10	80764708	rs16937080	80773868	rs1892498	0.224
10	80764708	rs16937080	80775690	rs4246944	0.228
10	80771685	rs2105461	80773868	rs1892498	0.973
10	80771685	rs2105461	80775690	rs4246944	0.605
10	80773868	rs1892498	80775690	rs4246944	0.590
10	81779567	rs11201269	81801652	rs4478933	0.253
10	84714402	rs17761683	84773295	rs11196923	1.000
10	85720683	rs11200762	85720790	rs11200763	1.000
10	85720683	rs11200762	85749135	rs7909859	0.353
10	85720790	rs11200763	85749135	rs7909859	0.353
10	87478860	rs7924009	87507487	rs2949380	0.929
10	91382747	rs12771413	91384059	rs11330	0.970
10	91599612	rs12251257	91602036	rs10881695	0.555
10	93756295	rs11186792	93824133	rs2185834	0.750
10	97056288	rs10786198	97061507	rs3814150	0.254
10	98546775	rs6584099	98693207	rs7080839	0.747
10	98546775	rs6584099	98737104	rs4606419	0.570
10	98693207	rs7080839	98737104	rs4606419	0.782
10	99677879	rs4917792	99681340	rs4919164	0.891
10	99878119	rs1413618	99878333	rs928579	1.000
10	99878119	rs1413618	99989333	rs10748721	0.966
10	99878119	rs1413618	99994896	rs3750595	0.991
10	99878333	rs928579	99989333	rs10748721	0.966
10	99878333	rs928579	99994896	rs3750595	0.991

10	99989333	rs10748721	99994896	rs3750595	0.974
10	100717696	rs11189910	100748309	rs7924025	0.314
10	100717696	rs11189910	100862771	rs1342580	0.384
10	100717696	rs11189910	100967599	rs10883299	0.347
10	100862771	rs1342580	100967599	rs10883299	0.885
10	100873537	rs1954295	101047389	rs7899146	0.763
10	100873537	rs1954295	101094702	rs10786538	0.768
10	101047389	rs7899146	101094702	rs10786538	0.774
10	102422700	rs11190643	102445505	rs10786601	0.377
10	102422700	rs11190643	102458016	rs7082923	0.201
10	102445505	rs10786601	102458016	rs7082923	0.303
10	103998741	rs4244350	104026345	rs812799	0.901
10	103998741	rs4244350	104026439	rs772021	0.966
10	104026345	rs812799	104026439	rs772021	0.911
10	104585410	rs3781287	104820809	rs10883826	0.598
10	106043631	rs156699	106060991	rs10491046	0.528
10	106043631	rs156699	106067576	rs10883991	0.480
10	106043631	rs156699	106079416	rs11192008	0.383
10	106043631	rs156699	106080777	rs276214	0.202
10	106060991	rs10491046	106067576	rs10883991	0.687
10	106060991	rs10491046	106079416	rs11192008	0.512
10	106067576	rs10883991	106079416	rs11192008	0.529
10	106862575	rs11192321	106887944	rs10884103	0.811
10	107908905	rs11192739	107938899	rs10884268	0.788
10	108342175	rs17121023	108354299	rs11817663	0.268
10	108432009	rs821925	108445133	rs821958	0.753
10	108918548	rs7099998	108918701	rs7082331	1.000
10	108918548	rs7099998	108918890	rs10884426	1.000
10	108918701	rs7082331	108918890	rs10884426	1.000
10	109571175	rs17227554	109571479	rs17325365	0.991
10	110366810	rs1332260	110384900	rs12412977	0.595
10	110970055	rs10884712	110994544	rs3888122	0.523
10	110970055	rs10884712	110998503	rs11194511	0.348
10	110970055	rs10884712	111021967	rs830062	0.505
10	110970055	rs10884712	111103117	rs7920353	0.303
10	110994544	rs3888122	110998503	rs11194511	0.427
10	110994544	rs3888122	111021967	rs830062	0.961
10	110994544	rs3888122	111084275	rs11194562	0.233
10	110998503	rs11194511	111021967	rs830062	0.391
10	111021967	rs830062	111084275	rs11194562	0.232
10	111084275	rs11194562	111103117	rs7920353	0.461
10	111620721	rs612155	111648324	rs944966	0.229
10	111648324	rs944966	111699868	rs12768489	0.582
10	112121472	rs10884954	112144100	rs4918508	0.293

10	113026683	rs10509936	113030534	rs10749065	0.472
10	113520074	rs10885262	113547792	rs11195730	0.668
10	114065189	rs1887136	114092662	rs7087000	0.366
10	114065189	rs1887136	114182275	rs2306158	0.268
10	114092662	rs7087000	114182275	rs2306158	0.507
10	114332265	rs12268627	114332350	rs12254159	0.890
10	114757761	rs4132670	114778805	rs12243326	0.409
10	116876309	rs11197072	117214465	rs17093112	0.297
10	116876309	rs11197072	117417474	rs12219110	0.308
10	117214465	rs17093112	117417474	rs12219110	0.764
10	118638831	rs3781566	118808539	rs7094283	0.354
10	118638831	rs3781566	118819674	rs10787753	0.536
10	118808539	rs7094283	118819674	rs10787753	0.779
10	118949003	rs3847483	118963135	rs3858335	0.837
10	118949003	rs3847483	118963546	rs17095891	0.837
10	118963135	rs3858335	118963546	rs17095891	1.000
10	122706857	rs10788134	122712496	rs17510577	0.398
10	122993625	rs7899480	122993679	rs7899611	0.990
10	123573965	rs3862129	123666737	rs11200257	0.949
10	123573965	rs3862129	123693800	rs11200277	0.905
10	123573965	rs3862129	123697712	rs7906271	0.880
10	123573965	rs3862129	123705392	rs10887032	0.914
10	123666737	rs11200257	123693800	rs11200277	0.962
10	123666737	rs11200257	123697712	rs7906271	0.931
10	123666737	rs11200257	123705392	rs10887032	0.965
10	123693800	rs11200277	123697712	rs7906271	0.961
10	123693800	rs11200277	123705392	rs10887032	1.000
10	123697712	rs7906271	123705392	rs10887032	0.965
10	124019426	rs1885512	124214077	rs11200640	0.227
10	125074629	rs913524	125088556	rs6599688	0.991
10	125074629	rs913524	125104041	rs1887821	0.611
10	125088556	rs6599688	125104041	rs1887821	0.620
10	127400272	rs9804381	127409227	rs6597725	1.000
10	129218811	rs1931744	129240631	rs4080381	0.300
10	129582283	rs2148895	129636049	rs11018411	0.318
10	130034129	rs10829385	130057287	rs7923707	0.251
10	131881171	rs16910188	131897272	rs1410906	0.285
10	132068996	rs431131	132071257	rs411620	0.429
10	132069411	rs7084067	132071257	rs411620	0.512
10	132118628	rs880832	132165808	rs11017270	0.693
10	132118628	rs880832	132173058	rs402807	0.476
10	132118628	rs880832	132177561	rs426715	0.493
10	132118628	rs880832	132205806	rs4751217	0.522
10	132118628	rs880832	132206587	rs6482809	0.489

10	132160832	rs400803	132160885	rs431690	1.000
10	132160832	rs400803	132187763	rs10764960	0.287
10	132160885	rs431690	132187763	rs10764960	0.287
10	132165808	rs11017270	132173058	rs402807	0.738
10	132165808	rs11017270	132177561	rs426715	0.691
10	132165808	rs11017270	132205806	rs4751217	0.755
10	132165808	rs11017270	132206587	rs6482809	0.737
10	132173058	rs402807	132177561	rs426715	0.966
10	132173058	rs402807	132205806	rs4751217	0.866
10	132173058	rs402807	132206587	rs6482809	0.858
10	132177561	rs426715	132205806	rs4751217	0.897
10	132177561	rs426715	132206587	rs6482809	0.891
10	132205806	rs4751217	132206587	rs6482809	1.000
10	132611226	rs7074195	132661360	rs11017622	0.265
10	132611226	rs7074195	132661446	rs11017623	0.265
10	132628747	rs2397738	132630798	rs892322	0.981
10	132628747	rs2397738	132641908	rs10829854	0.962
10	132628747	rs2397738	132661360	rs11017622	0.254
10	132628747	rs2397738	132661446	rs11017623	0.254
10	132630798	rs892322	132641908	rs10829854	0.981
10	132630798	rs892322	132661360	rs11017622	0.256
10	132630798	rs892322	132661446	rs11017623	0.256
10	132641908	rs10829854	132661360	rs11017622	0.259
10	132641908	rs10829854	132661446	rs11017623	0.259
10	132661360	rs11017622	132661446	rs11017623	1.000
10	133250389	rs10765092	133251032	rs7074167	0.991
11	2483882	rs179409	2486738	rs2237866	0.292
11	3648225	rs2672215	3648600	rs2672216	0.729
11	5072704	rs12282135	5073531	rs11035648	0.467
11	5145420	rs10734485	5145512	rs10742553	0.873
11	5145420	rs10734485	5166168	rs11602279	0.481
11	5145512	rs10742553	5166168	rs11602279	0.481
11	6716101	rs2067022	6749489	rs7947196	0.207
11	6716101	rs2067022	6749646	rs10839617	0.209
11	6749489	rs7947196	6749646	rs10839617	1.000
11	6826194	rs10839628	6840789	rs2741774	0.338
11	7214147	rs766497	7403545	rs10839781	0.259
11	9031596	rs3763904	9038237	rs7127387	0.849
11	9706221	rs397686	9755312	rs7120754	0.288
11	9755312	rs7120754	9857034	rs1546542	0.223
11	10986547	rs1386152	11002835	rs10500737	0.218
11	12330256	rs16911154	12330765	rs16911159	0.945
11	13053050	rs10500770	13056122	rs2165484	0.284
11	13053050	rs10500770	13057878	rs11022636	0.284

11	13053050	rs10500770	13059500	rs2583136	0.205
11	13056122	rs2165484	13057878	rs11022636	1.000
11	13056122	rs2165484	13059500	rs2583136	0.740
11	13056122	rs2165484	13081100	rs3849154	0.385
11	13057878	rs11022636	13059500	rs2583136	0.740
11	13057878	rs11022636	13081100	rs3849154	0.385
11	13059500	rs2583136	13081100	rs3849154	0.482
11	13435415	rs2593579	13530459	rs10500785	0.906
11	13435415	rs2593579	13578990	rs11022899	0.724
11	13435415	rs2593579	13581879	rs10832081	0.852
11	13530459	rs10500785	13578990	rs11022899	0.761
11	13530459	rs10500785	13581879	rs10832081	0.943
11	13578990	rs11022899	13581879	rs10832081	0.810
11	13616373	rs12420514	13625777	rs12786409	0.845
11	14029178	rs11821106	14034447	rs7131289	0.677
11	15475924	rs10832454	15516762	rs2351097	0.877
11	16346170	rs297325	16389040	rs12221729	0.797
11	16346170	rs297325	16441827	rs10500830	0.832
11	16346170	rs297325	16626773	rs4756858	0.623
11	16365152	rs1847315	16394987	rs7932807	0.931
11	16389040	rs12221729	16441827	rs10500830	0.745
11	16389040	rs12221729	16626773	rs4756858	0.571
11	16441827	rs10500830	16626773	rs4756858	0.756
11	16926330	rs10766360	16931362	rs2883150	0.912
11	16982316	rs4757484	16984904	rs7947297	0.990
11	16982316	rs4757484	16985321	rs7933984	0.990
11	16984904	rs7947297	16985321	rs7933984	1.000
11	18134918	rs2445206	18153416	rs10832896	0.210
11	18134918	rs2445206	18156255	rs2468772	0.937
11	18135024	rs11024502	18153416	rs10832896	0.590
11	18153416	rs10832896	18156255	rs2468772	0.221
11	19584103	rs10833134	19644968	rs12574517	0.616
11	19584103	rs10833134	19647564	rs7927862	0.535
11	19644968	rs12574517	19647564	rs7927862	0.879
11	21807233	rs16908613	21818153	rs1009809	0.969
11	21981697	rs428209	21982053	rs1379649	1.000
11	21981697	rs428209	22056773	rs10766916	0.443
11	21982053	rs1379649	22056773	rs10766916	0.447
11	22840459	rs12278342	22863000	rs2429772	0.614
11	22840459	rs12278342	22875997	rs2429752	0.616
11	22840459	rs12278342	22957547	rs2403793	0.465
11	22863000	rs2429772	22875997	rs2429752	0.962
11	22863000	rs2429772	22957547	rs2403793	0.618
11	22875997	rs2429752	22957547	rs2403793	0.645

11	23169551	rs7112339	23180811	rs1600957	0.710
11	23169551	rs7112339	23192822	rs1482735	0.907
11	23180811	rs1600957	23192822	rs1482735	0.708
11	24734687	rs2716548	24758224	rs1486698	0.310
11	25045288	rs1838773	25109057	rs2404026	0.268
11	25070842	rs11028415	25109057	rs2404026	0.240
11	25143560	rs10742069	25143952	rs7107300	0.374
11	25714362	rs11028885	25747721	rs1389421	0.295
11	25840913	rs17242747	25910098	rs16914910	0.639
11	25862285	rs7943568	25909353	rs10834856	0.456
11	25862285	rs7943568	25909416	rs1441486	0.452
11	25909353	rs10834856	25909416	rs1441486	0.992
11	27151203	rs920698	27154937	rs7938462	0.201
11	32565979	rs201879	32595768	rs201905	0.892
11	32565979	rs201879	32676726	rs11031940	0.563
11	32565979	rs201879	32680449	rs1486582	0.729
11	32565979	rs201879	32730565	rs9943472	0.763
11	32565979	rs201879	32779010	rs7102857	0.665
11	32595768	rs201905	32676726	rs11031940	0.627
11	32595768	rs201905	32680449	rs1486582	0.826
11	32595768	rs201905	32730565	rs9943472	0.812
11	32595768	rs201905	32779010	rs7102857	0.758
11	32676726	rs11031940	32680449	rs1486582	0.706
11	32676726	rs11031940	32730565	rs9943472	0.716
11	32676726	rs11031940	32779010	rs7102857	0.638
11	32680449	rs1486582	32730565	rs9943472	0.983
11	32680449	rs1486582	32779010	rs7102857	0.922
11	32730565	rs9943472	32779010	rs7102857	0.907
11	33727790	rs1402953	33757109	rs11032380	0.856
11	35219600	rs7122374	35266112	rs41352148	0.289
11	35345354	rs11033099	35348844	rs7116961	0.951
11	35481696	rs601295	35482454	rs597762	1.000
11	40209482	rs1452475	40241419	rs10734480	0.558
11	40542692	rs1353354	40542978	rs10837436	0.933
11	40542692	rs1353354	40543235	rs11035930	0.808
11	40542978	rs10837436	40543235	rs11035930	0.882
11	41000401	rs10742570	41014153	rs4631866	0.244
11	42285325	rs11036825	42302576	rs4424659	0.903
11	42285325	rs11036825	42307623	rs10768795	0.319
11	42302576	rs4424659	42307623	rs10768795	0.314
11	44124572	rs4755782	44167215	rs1390073	0.957
11	45217918	rs2863172	45224291	rs4755941	0.851
11	45217918	rs2863172	45233558	rs6416130	0.690
11	45217918	rs2863172	45236863	rs4237652	0.688

11	45224291	rs4755941	45233558	rs6416130	0.799
11	45224291	rs4755941	45236863	rs4237652	0.798
11	45233558	rs6416130	45236863	rs4237652	1.000
11	45830024	rs2037311	45835452	rs9300053	0.484
11	45830024	rs2037311	45856538	rs12281674	0.909
11	45835452	rs9300053	45856538	rs12281674	0.532
11	45931219	rs1996573	46029113	rs11038752	0.355
11	48229272	rs1503168	48960517	rs1847639	0.448
11	48586010	rs12365014	48960517	rs1847639	0.330
11	49154124	rs17815807	49283110	rs3960835	0.933
11	49154124	rs17815807	50103012	rs17489472	0.583
11	49283110	rs3960835	50103012	rs17489472	0.627
11	54954489	rs1364762	55017848	rs17494536	0.957
11	54954489	rs1364762	55025431	rs7115527	0.912
11	54954489	rs1364762	55033178	rs9666744	0.674
11	54954489	rs1364762	55054138	rs11828054	0.674
11	54954489	rs1364762	55060775	rs17580694	0.674
11	54954489	rs1364762	55423089	rs12098903	0.779
11	55017848	rs17494536	55025431	rs7115527	0.954
11	55017848	rs17494536	55033178	rs9666744	0.707
11	55017848	rs17494536	55054138	rs11828054	0.707
11	55017848	rs17494536	55060775	rs17580694	0.707
11	55017848	rs17494536	55423089	rs12098903	0.815
11	55017848	rs17494536	55434921	rs17596143	0.815
11	55025431	rs7115527	55033178	rs9666744	0.668
11	55025431	rs7115527	55054138	rs11828054	0.668
11	55025431	rs7115527	55060775	rs17580694	0.668
11	55025431	rs7115527	55423089	rs12098903	0.789
11	55025431	rs7115527	55434921	rs17596143	0.789
11	55033178	rs9666744	55054138	rs11828054	1.000
11	55033178	rs9666744	55060775	rs17580694	1.000
11	55033178	rs9666744	55423089	rs12098903	0.567
11	55033178	rs9666744	55434921	rs17596143	0.567
11	55033178	rs9666744	55465391	rs17598094	0.528
11	55054138	rs11828054	55060775	rs17580694	1.000
11	55054138	rs11828054	55423089	rs12098903	0.567
11	55054138	rs11828054	55434921	rs17596143	0.567
11	55054138	rs11828054	55465391	rs17598094	0.528
11	55054138	rs11828054	55605691	rs17602278	0.510
11	55060775	rs17580694	55423089	rs12098903	0.567
11	55060775	rs17580694	55434921	rs17596143	0.567
11	55060775	rs17580694	55465391	rs17598094	0.528
11	55060775	rs17580694	55605691	rs17602278	0.510
11	55060775	rs17580694	55605732	rs17530228	0.510

11	55423089	rs12098903	55434921	rs17596143	1.000
11	55423089	rs12098903	55465391	rs17598094	0.939
11	55423089	rs12098903	55605691	rs17602278	0.911
11	55423089	rs12098903	55605732	rs17530228	0.911
11	55423089	rs12098903	55607598	rs17530318	0.911
11	55423089	rs12098903	55616001	rs7943453	0.860
11	55434921	rs17596143	55465391	rs17598094	0.939
11	55434921	rs17596143	55605691	rs17602278	0.911
11	55434921	rs17596143	55605732	rs17530228	0.911
11	55434921	rs17596143	55607598	rs17530318	0.911
11	55434921	rs17596143	55616001	rs7943453	0.860
11	55439287	rs17148897	55905598	rs10750820	0.923
11	55439287	rs17148897	56298572	rs11228775	0.256
11	55465391	rs17598094	55605691	rs17602278	0.970
11	55465391	rs17598094	55605732	rs17530228	0.970
11	55465391	rs17598094	55607598	rs17530318	0.970
11	55465391	rs17598094	55616001	rs7943453	0.931
11	55605691	rs17602278	55605732	rs17530228	1.000
11	55605691	rs17602278	55607598	rs17530318	1.000
11	55605691	rs17602278	55616001	rs7943453	0.968
11	55605732	rs17530228	55607598	rs17530318	1.000
11	55605732	rs17530228	55616001	rs7943453	0.968
11	55607598	rs17530318	55616001	rs7943453	0.968
11	55905598	rs10750820	56298572	rs11228775	0.336
11	56438326	rs12272961	56440326	rs1793426	0.979
11	56713092	rs2903267	56713994	rs1943489	1.000
11	57812866	rs4127345	57885744	rs4529896	0.787
11	60120537	rs11230420	60140043	rs12280505	0.838
11	60340498	rs2957229	60342231	rs565679	0.983
11	60340498	rs2957229	60342652	rs593315	0.983
11	60340498	rs2957229	60352415	rs10897118	0.647
11	60342231	rs565679	60342652	rs593315	0.965
11	60342231	rs565679	60352415	rs10897118	0.612
11	60342652	rs593315	60352415	rs10897118	0.637
11	64596273	rs907629	64605528	rs508375	0.490
11	70717451	rs17433007	70729463	rs10897995	0.371
11	70717451	rs17433007	71578612	rs2071010	0.444
11	71303737	rs7113974	71515856	rs7109653	0.273
11	71420383	rs1939243	71425794	rs4945426	1.000
11	71420383	rs1939243	71515856	rs7109653	0.211
11	75124598	rs683941	75124632	rs684004	0.634
11	75177100	rs1017713	75220909	rs12278224	0.475
11	75820667	rs10793164	75934863	rs3753051	0.274
11	76747452	rs876319	76795565	rs2725834	0.778

11	77024533	rs7925252	77255512	rs603462	0.206
11	77954925	rs10751296	77962381	rs4457782	1.000
11	78766903	rs472870	78779722	rs580331	0.698
11	78766903	rs472870	78805883	rs11237826	0.318
11	78779722	rs580331	78805883	rs11237826	0.390
11	78905159	rs11237878	78917149	rs11237887	1.000
11	79366452	rs642770	79401323	rs6592876	0.232
11	79777451	rs2448269	79777810	rs7112033	0.282
11	79988714	rs1949886	80007549	rs4614474	0.411
11	80007427	rs2373547	80022511	rs11232256	0.428
11	82104086	rs533709	82111606	rs497360	0.426
11	82913481	rs6592120	82970299	rs515618	0.488
11	82913481	rs6592120	82974099	rs558211	0.473
11	82970299	rs515618	82974099	rs558211	0.990
11	84463780	rs1826613	84463859	rs1823777	1.000
11	87104758	rs4485130	88020199	rs7396702	0.226
11	87104758	rs4485130	88073510	rs10082580	0.206
11	87855625	rs613716	87857870	rs308766	0.677
11	87857870	rs308766	88073510	rs10082580	0.224
11	88020199	rs7396702	88073510	rs10082580	0.433
11	88020199	rs7396702	88074716	rs961689	0.369
11	88073510	rs10082580	88074716	rs961689	0.287
11	89508403	rs10734123	89535588	rs7928477	1.000
11	89508403	rs10734123	89538230	rs10732446	0.991
11	89508403	rs10734123	89538330	rs10732447	0.971
11	89535588	rs7928477	89538230	rs10732446	0.990
11	89535588	rs7928477	89538330	rs10732447	0.968
11	89538230	rs10732446	89538330	rs10732447	0.962
11	89761523	rs2048139	89842824	rs10830506	0.877
11	89761523	rs2048139	89921579	rs10501721	0.834
11	89761523	rs2048139	89996935	rs10765374	0.789
11	89842824	rs10830506	89921579	rs10501721	0.863
11	89842824	rs10830506	89996935	rs10765374	0.904
11	89921579	rs10501721	89996935	rs10765374	0.892
11	91755571	rs7127751	91831533	rs643695	0.620
11	93890094	rs629119	93890123	rs629156	1.000
11	93890094	rs629119	93906765	rs11020812	0.251
11	93890123	rs629156	93906765	rs11020812	0.251
11	93894907	rs16924603	93906765	rs11020812	0.536
11	93894907	rs16924603	93948540	rs11020836	0.354
11	93906765	rs11020812	93948540	rs11020836	0.289
11	94989214	rs11021246	95008102	rs12365735	0.488
11	96761688	rs12294161	96762309	rs347768	0.337
11	97962694	rs11216033	97966670	rs9783305	0.911

11	99128324	rs11221224	99245527	rs10894037	0.228
11	100221671	rs667504	100248072	rs10750596	0.470
11	101225143	rs10501992	101225220	rs4315037	0.984
11	101970436	rs1711437	101974719	rs1784408	0.729
11	101970436	rs1711437	101982216	rs1711427	0.879
11	101974719	rs1784408	101982216	rs1711427	0.682
11	103713704	rs11226307	103804161	rs4755036	0.490
11	103713704	rs11226307	103836649	rs10791703	0.409
11	103713704	rs11226307	103902520	rs1487687	0.277
11	103804161	rs4755036	103836649	rs10791703	0.828
11	103804161	rs4755036	103902520	rs1487687	0.565
11	103836649	rs10791703	103902520	rs1487687	0.705
11	105388824	rs2847181	105416001	rs11226905	0.437
11	105388824	rs2847181	105425885	rs6591148	0.401
11	107040834	rs477835	107329312	rs747145	0.242
11	107210818	rs488081	107212100	rs565438	1.000
11	108419593	rs1396915	108420513	rs12576077	0.873
11	109727259	rs17111116	109803757	rs4753891	0.401
11	109727259	rs17111116	109809813	rs7121928	0.399
11	109803757	rs4753891	109809813	rs7121928	0.890
11	109862212	rs10891124	109862633	rs11213434	0.739
11	110113005	rs7121407	110116860	rs7107797	0.699
11	111044537	rs4630327	111130295	rs4936678	0.288
11	112348635	rs10502161	112384205	rs4595579	0.876
11	112348635	rs10502161	112525792	rs4366519	0.319
11	112384205	rs4595579	112525792	rs4366519	0.353
11	114169861	rs10502193	114244549	rs17117693	0.526
11	115728019	rs2512160	115742992	rs488435	0.369
11	116332080	rs10502221	116576067	rs664971	0.261
11	116361852	rs588918	116413493	rs7115242	0.661
11	116361852	rs588918	116448564	rs1351452	0.978
11	116361852	rs588918	116567580	rs1242229	0.828
11	116361852	rs588918	116576067	rs664971	0.230
11	116413493	rs7115242	116448564	rs1351452	0.689
11	116413493	rs7115242	116567580	rs1242229	0.730
11	116448564	rs1351452	116567580	rs1242229	0.850
11	116448564	rs1351452	116576067	rs664971	0.232
11	116567580	rs1242229	116576067	rs664971	0.227
11	118226208	rs4938565	118235879	rs7933007	0.918
11	119411118	rs1530919	119433098	rs1545509	0.817
11	119411118	rs1530919	119434655	rs10444338	0.662
11	119433098	rs1545509	119434655	rs10444338	0.770
11	119453342	rs1551238	119477197	rs6589801	0.455
11	119453342	rs1551238	119506905	rs670855	0.232

11	119453342	rs1551238	119558860	rs494965	0.247
11	119506905	rs670855	119558860	rs494965	0.657
11	119879098	rs3925505	119882018	rs17311303	0.928
11	120625340	rs948379	120642900	rs10892714	0.463
11	120660151	rs1583124	120670302	rs891441	0.343
11	122544050	rs10790558	122546723	rs7102292	0.740
11	122544050	rs10790558	122568575	rs6589973	0.344
11	122546723	rs7102292	122568575	rs6589973	0.486
11	124327379	rs4575285	124347498	rs4595559	0.257
11	125396479	rs3740912	125427135	rs485327	0.280
11	126255140	rs4937214	126256273	rs1939988	0.842
11	126845830	rs1406330	126861194	rs749513	0.652
11	128159454	rs670163	128191473	rs681296	0.287
11	128206751	rs588957	128206861	rs588472	0.554
11	128206751	rs588957	128238171	rs2855798	0.347
11	128206861	rs588472	128238171	rs2855798	0.272
11	129099080	rs691766	129099231	rs504990	0.949
11	129118377	rs10894126	129118397	rs691570	0.637
11	130414235	rs1655490	130414497	rs1793220	1.000
11	132004415	rs10894592	132007648	rs9633971	0.784
11	134313007	rs1824832	134435899	rs4540845	0.240
12	221584	rs515639	228276	rs523169	0.927
12	3424976	rs7961141	3425082	rs10744613	0.507
12	3424976	rs7961141	3426611	rs6489469	0.930
12	3425082	rs10744613	3426611	rs6489469	0.508
12	3718933	rs16930743	3721838	rs16930761	1.000
12	5442242	rs17722632	5467642	rs4930767	0.286
12	5855732	rs6489666	5859898	rs7484640	0.981
12	7419738	rs7306824	7534052	rs7953031	0.204
12	7534052	rs7953031	7546404	rs3210140	0.240
12	7534052	rs7953031	7627020	rs1558531	0.205
12	11754082	rs2724588	11764555	rs17818498	0.736
12	11754082	rs2724588	11781775	rs12369491	0.460
12	11754082	rs2724588	11783232	rs12828066	0.339
12	11764555	rs17818498	11781775	rs12369491	0.685
12	11764555	rs17818498	11783232	rs12828066	0.507
12	11781775	rs12369491	11783232	rs12828066	0.611
12	13067577	rs6488576	13093286	rs7294646	0.466
12	13091145	rs1552389	13093286	rs7294646	0.421
12	13093286	rs7294646	13170986	rs4583067	0.201
12	16015699	rs6488806	16016060	rs3782545	0.991
12	16015699	rs6488806	16027219	rs1868805	0.876
12	16016060	rs3782545	16027219	rs1868805	0.885
12	20247248	rs7970503	20262861	rs7976912	0.785

12	23626010	rs11046989	23632891	rs16926425	0.842
12	26208437	rs7300697	26229561	rs10842688	0.925
12	26208437	rs7300697	26229632	rs10842689	0.917
12	26229561	rs10842688	26229632	rs10842689	0.992
12	26504908	rs11048530	26520918	rs3736183	0.616
12	26682161	rs7972648	26685022	rs1463590	0.865
12	28226189	rs7294486	28423261	rs10506031	0.566
12	28876460	rs1480636	28876540	rs1480635	0.941
12	28876460	rs1480636	28877817	rs789123	0.461
12	28876540	rs1480635	28877817	rs789123	0.500
12	29081528	rs4931135	29119551	rs10771478	0.400
12	29818043	rs2882467	29823051	rs11050428	0.584
12	30195234	rs10743696	30204772	rs7311139	0.978
12	30446335	rs7979416	30481442	rs10771719	0.454
12	32644486	rs10844251	32717095	rs10771978	0.359
12	38943492	rs4293189	39028521	rs10878405	0.420
12	39198429	rs17128391	39281690	rs41353744	0.406
12	39454516	rs17128779	39466178	rs6581955	0.475
12	40411394	rs7316844	40413042	rs1466790	1.000
12	40411394	rs7316844	40413058	rs1466791	0.977
12	40411394	rs7316844	40427439	rs1532451	0.425
12	40413042	rs1466790	40413058	rs1466791	0.977
12	40413042	rs1466790	40427439	rs1532451	0.425
12	40413058	rs1466791	40427439	rs1532451	0.404
12	40640896	rs1234032	40872206	rs1238290	0.453
12	40850256	rs12371615	40872206	rs1238290	0.253
12	40850256	rs12371615	41128742	rs1796381	0.751
12	40872206	rs1238290	41128742	rs1796381	0.251
12	41661598	rs7308182	41715122	rs10880415	0.204
12	42797754	rs10506235	42888643	rs17094231	0.425
12	42797754	rs10506235	42890075	rs17094242	0.905
12	42888643	rs17094231	42890075	rs17094242	0.515
12	42888643	rs17094231	43088189	rs12308701	0.451
12	43605390	rs17095247	43989972	rs17095721	0.687
12	45214660	rs17096991	45231962	rs17121412	0.869
12	45214660	rs17096991	45258412	rs2471618	0.946
12	45231962	rs17121412	45258412	rs2471618	0.811
12	46291715	rs668968	46317652	rs1302919	0.458
12	46788841	rs17122666	46812979	rs2228500	1.000
12	49214148	rs4768887	49253045	rs7301125	1.000
12	49214148	rs4768887	49374124	rs10506296	0.448
12	49253045	rs7301125	49374124	rs10506296	0.448
12	51344781	rs1994516	51368520	rs1567757	0.674
12	56754430	rs2720174	57062804	rs10506381	0.202

12	57849389	rs10877221	57865135	rs10877232	0.847
12	57849389	rs10877221	57896472	rs11172950	0.846
12	57849389	rs10877221	58062330	rs10877268	0.451
12	57849389	rs10877221	58087199	rs276056	0.219
12	57865135	rs10877232	57896472	rs11172950	0.887
12	57865135	rs10877232	58062330	rs10877268	0.429
12	57865135	rs10877232	58087199	rs276056	0.207
12	57896472	rs11172950	58062330	rs10877268	0.472
12	57896472	rs11172950	58087199	rs276056	0.218
12	58062330	rs10877268	58087199	rs276056	0.464
12	58300154	rs17122718	58324202	rs982321	0.724
12	58300154	rs17122718	58334869	rs17122785	0.698
12	58324202	rs982321	58334869	rs17122785	0.965
12	60088543	rs1516032	60110245	rs10877662	0.870
12	60682041	rs7963802	60780616	rs11174316	0.202
12	60682041	rs7963802	60825121	rs11174347	0.332
12	60780616	rs11174316	60825121	rs11174347	0.389
12	65582311	rs2904532	65609808	rs10878535	0.211
12	65582311	rs2904532	65619225	rs12820762	0.563
12	66120331	rs1152882	66776260	rs10735944	0.238
12	66820607	rs2216164	66823141	rs2193048	0.421
12	66820607	rs2216164	66830897	rs2870953	0.421
12	66820607	rs2216164	66867288	rs10878779	0.423
12	66820607	rs2216164	66917055	rs734871	0.200
12	66823141	rs2193048	66830897	rs2870953	1.000
12	66823141	rs2193048	66867288	rs10878779	0.932
12	66830897	rs2870953	66867288	rs10878779	0.932
12	66905871	rs11570915	66918123	rs17700390	0.909
12	71360679	rs1807989	71377874	rs11179324	0.913
12	73381431	rs7314330	73394160	rs7138969	0.575
12	73604536	rs10785156	73708472	rs10506678	0.529
12	74375206	rs10879961	74375460	rs7969436	0.749
12	75222674	rs7962515	75378005	rs10778674	0.245
12	78318095	rs1405493	78331410	rs7315638	0.938
12	78318095	rs1405493	78347982	rs2251214	0.577
12	78318095	rs1405493	78446450	rs7138252	0.610
12	78331410	rs7315638	78347982	rs2251214	0.621
12	78331410	rs7315638	78446450	rs7138252	0.657
12	78347982	rs2251214	78446450	rs7138252	0.533
12	78455616	rs11114162	78828941	rs1463228	0.235
12	79247890	rs1451098	79281780	rs896202	0.536
12	79247890	rs1451098	79330649	rs2717473	0.374
12	79281780	rs896202	79330649	rs2717473	0.737
12	80017957	rs12301355	80018383	rs12296937	0.953

12	80912999	rs10506856	80991051	rs11115179	0.373
12	82113049	rs7137313	82115436	rs1517815	0.715
12	82113049	rs7137313	82140528	rs4482098	0.549
12	82113049	rs7137313	82219067	rs7484818	0.260
12	82113049	rs7137313	82241901	rs11115730	0.254
12	82115436	rs1517815	82140528	rs4482098	0.376
12	82115436	rs1517815	82219067	rs7484818	0.343
12	82115436	rs1517815	82241901	rs11115730	0.344
12	82140528	rs4482098	82219067	rs7484818	0.458
12	82140528	rs4482098	82241901	rs11115730	0.454
12	82140528	rs4482098	82270137	rs7959848	0.344
12	82219067	rs7484818	82241901	rs11115730	0.975
12	82219067	rs7484818	82270137	rs7959848	0.242
12	82241901	rs11115730	82270137	rs7959848	0.237
12	83124941	rs2929815	83175715	rs12581616	0.910
12	83124941	rs2929815	83179322	rs12320923	0.919
12	83124941	rs2929815	83180847	rs17011775	0.928
12	83124941	rs2929815	83181327	rs7135755	0.920
12	83124941	rs2929815	83181851	rs4491329	0.920
12	83124941	rs2929815	83183659	rs11116280	0.920
12	83124941	rs2929815	83184837	rs12313738	0.920
12	83124941	rs2929815	83208883	rs7973519	0.892
12	83175715	rs12581616	83179322	rs12320923	0.990
12	83175715	rs12581616	83180847	rs17011775	0.979
12	83175715	rs12581616	83181327	rs7135755	0.990
12	83175715	rs12581616	83181851	rs4491329	0.990
12	83175715	rs12581616	83183659	rs11116280	0.990
12	83175715	rs12581616	83184837	rs12313738	0.990
12	83175715	rs12581616	83208883	rs7973519	0.940
12	83179322	rs12320923	83180847	rs17011775	0.989
12	83179322	rs12320923	83181327	rs7135755	1.000
12	83179322	rs12320923	83181851	rs4491329	1.000
12	83179322	rs12320923	83183659	rs11116280	1.000
12	83179322	rs12320923	83184837	rs12313738	1.000
12	83179322	rs12320923	83208883	rs7973519	0.950
12	83180847	rs17011775	83181327	rs7135755	0.989
12	83180847	rs17011775	83181851	rs4491329	0.989
12	83180847	rs17011775	83183659	rs11116280	0.989
12	83180847	rs17011775	83184837	rs12313738	0.989
12	83180847	rs17011775	83208883	rs7973519	0.939
12	83181327	rs7135755	83181851	rs4491329	1.000
12	83181327	rs7135755	83183659	rs11116280	1.000
12	83181327	rs7135755	83184837	rs12313738	1.000
12	83181327	rs7135755	83208883	rs7973519	0.950

12	83181851	rs4491329	83183659	rs11116280	1.000
12	83181851	rs4491329	83184837	rs12313738	1.000
12	83181851	rs4491329	83208883	rs7973519	0.950
12	83183659	rs11116280	83184837	rs12313738	1.000
12	83183659	rs11116280	83208883	rs7973519	0.950
12	83184837	rs12313738	83208883	rs7973519	0.950
12	84191889	rs7486001	84314940	rs1398440	0.306
12	84191889	rs7486001	84334038	rs1398442	0.243
12	84191889	rs7486001	84457457	rs7484736	0.203
12	84314940	rs1398440	84334038	rs1398442	0.797
12	85651980	rs7975477	86028234	rs1368563	0.224
12	86909836	rs10777085	86913935	rs11104708	0.505
12	91544383	rs11614500	91649196	rs7972216	0.200
12	91544383	rs11614500	91658207	rs7958821	0.237
12	91545805	rs41464449	91551302	rs10777420	0.342
12	91551302	rs10777420	91609585	rs2120575	0.290
12	91649196	rs7972216	91658207	rs7958821	0.712
12	92872354	rs7135433	92873911	rs4761756	1.000
12	93678633	rs6538534	93684736	rs7972350	0.235
12	93678633	rs6538534	93702211	rs4761664	0.335
12	93678633	rs6538534	93777015	rs10777641	0.282
12	94875228	rs4762652	94878586	rs2043608	0.991
12	94875228	rs4762652	94880938	rs7961807	0.991
12	94878586	rs2043608	94880938	rs7961807	1.000
12	96582908	rs34537	96584094	rs34540	0.964
12	100574306	rs11110932	100578274	rs11110939	1.000
12	101041934	rs2036771	101351571	rs11111272	0.494
12	101515117	rs2100635	101515601	rs7977073	0.747
12	101515117	rs2100635	101607332	rs937471	0.479
12	101515601	rs7977073	101607332	rs937471	0.394
12	102589976	rs1863878	102591942	rs11614418	0.507
12	102893176	rs4135081	102964551	rs7971994	0.691
12	102893176	rs4135081	102972036	rs7132831	0.691
12	102964551	rs7971994	102972036	rs7132831	1.000
12	106093855	rs2178492	106149778	rs11113221	0.426
12	106093855	rs2178492	106201676	rs1861691	0.584
12	106127287	rs1861693	106149778	rs11113221	0.220
12	106149778	rs11113221	106201676	rs1861691	0.420
12	106310763	rs1426463	106311013	rs1426462	0.930
12	106857124	rs1895941	106917975	rs12316047	0.757
12	106857124	rs1895941	106970207	rs881512	0.390
12	106917975	rs12316047	106970207	rs881512	0.447
12	112763094	rs4767142	112790428	rs7138196	0.918
12	112791494	rs10850232	112860872	rs11066834	0.281

12	112791494	rs10850232	112871319	rs9668746	0.236
12	112791494	rs10850232	112875893	rs11066850	0.280
12	112860872	rs11066834	112871319	rs9668746	0.963
12	112860872	rs11066834	112875893	rs11066850	1.000
12	112871319	rs9668746	112875893	rs11066850	0.963
12	113036063	rs11066946	113037816	rs11066947	1.000
12	113036063	rs11066946	113071155	rs10082740	0.654
12	113037816	rs11066947	113071155	rs10082740	0.654
12	117515417	rs1402341	117556888	rs10851005	0.207
12	120034006	rs651221	120039181	rs618201	0.211
12	120034006	rs651221	120078439	rs208290	0.429
12	120039181	rs618201	120160097	rs2567982	0.202
12	121628547	rs11058797	121690655	rs11059100	0.614
12	121628547	rs11058797	121707640	rs11059258	0.804
12	121690655	rs11059100	121707640	rs11059258	0.747
12	121913655	rs4759438	121922964	rs4759384	1.000
12	124445806	rs323846	124451257	rs325095	0.665
12	124918806	rs7132603	124918954	rs10847004	1.000
12	126554901	rs10128788	126555865	rs2682617	0.729
12	126999998	rs10744341	127000966	rs2730764	0.508
12	130748513	rs10794422	130857014	rs10751695	0.262
13	19482060	rs9579762	19506560	rs1543536	0.597
13	20974829	rs9509767	20976174	rs7328675	1.000
13	21199079	rs1122257	21211165	rs9285177	0.907
13	21199079	rs1122257	21212101	rs7323292	0.906
13	21211165	rs9285177	21212101	rs7323292	0.845
13	21423846	rs3117948	21432122	rs3117963	0.782
13	23943158	rs1807111	23948923	rs17384669	1.000
13	24589022	rs41365447	24608667	rs17081816	0.324
13	24589022	rs41365447	24611522	rs9507470	0.262
13	24611365	rs9507469	24611522	rs9507470	0.564
13	25309084	rs9511934	25322692	rs9511940	0.914
13	25492700	rs1048789	25498688	rs9512034	0.226
13	28945005	rs2388084	28945180	rs4262814	0.454
13	30760334	rs7998271	30803942	rs2056443	0.647
13	31340015	rs623441	31340347	rs622702	0.922
13	31619615	rs2285330	31638925	rs798978	0.214
13	31674603	rs2428249	31685876	rs798987	1.000
13	33304194	rs3135611	33345299	rs5008744	0.547
13	33715579	rs9571278	33754295	rs11147546	0.318
13	34224833	rs9564625	34229033	rs7334657	0.872
13	36991541	rs1072781	36998807	rs17255466	0.200
13	37033780	rs7995907	37131370	rs9566247	0.576
13	37703926	rs2202122	37712629	rs7338934	0.991

13	38484051	rs12428445	38535373	rs1536342	0.337
13	40438502	rs4942014	40460786	rs9594471	0.222
13	41831354	rs238271	41862203	rs17457561	0.225
13	41862203	rs17457561	41956974	rs4942131	0.512
13	41862203	rs17457561	41958784	rs9525630	0.548
13	41956974	rs4942131	41958784	rs9525630	0.989
13	42792796	rs12172797	42807697	rs9567151	1.000
13	43151109	rs9316052	43216673	rs9525835	0.729
13	43151109	rs9316052	43242300	rs9590787	0.801
13	43216673	rs9525835	43242300	rs9590787	0.871
13	44202415	rs4942352	44217586	rs912160	0.224
13	49643972	rs7333147	49646219	rs2066613	0.896
13	49643972	rs7333147	49649759	rs2066615	0.353
13	49643972	rs7333147	49650483	rs2066617	0.385
13	49646219	rs2066613	49649759	rs2066615	0.440
13	49646219	rs2066613	49649964	rs1149839	0.232
13	49646219	rs2066613	49650483	rs2066617	0.473
13	49649759	rs2066615	49649964	rs1149839	0.551
13	49649759	rs2066615	49650483	rs2066617	0.836
13	49649964	rs1149839	49650483	rs2066617	0.638
13	53726962	rs7995015	53726985	rs1413878	0.224
13	54629926	rs3125742	55117315	rs681846	0.523
13	54710942	rs1370079	54730139	rs1436703	0.904
13	54710942	rs1370079	54763118	rs7989059	0.888
13	54730139	rs1436703	54763118	rs7989059	0.982
13	56012278	rs2315031	56333987	rs9537493	0.201
13	56453118	rs2152734	56848099	rs2186032	0.522
13	56453118	rs2152734	56850408	rs4886014	0.258
13	56453118	rs2152734	56861712	rs7339239	0.522
13	56534058	rs2777625	56727320	rs1412160	0.341
13	56534058	rs2777625	56810406	rs1936761	0.317
13	56727320	rs1412160	56848099	rs2186032	0.233
13	56727320	rs1412160	56861712	rs7339239	0.233
13	56727320	rs1412160	57584799	rs3012861	0.291
13	56810406	rs1936761	56848099	rs2186032	0.326
13	56810406	rs1936761	56861712	rs7339239	0.326
13	56848099	rs2186032	56850408	rs4886014	0.294
13	56848099	rs2186032	56861712	rs7339239	1.000
13	56850408	rs4886014	56861712	rs7339239	0.294
13	56850408	rs4886014	56996265	rs9569702	0.395
13	59674961	rs11148489	59706318	rs9570276	0.541
13	60323660	rs8001190	60334598	rs301669	0.313
13	61260157	rs2323533	61321688	rs17060411	0.471
13	63777356	rs1340332	63865034	rs7985144	0.475

13	65319445	rs957460	65339681	rs4883761	0.661
13	65673401	rs1407581	65689725	rs1322735	0.594
13	65673401	rs1407581	65721667	rs4884662	0.327
13	65689725	rs1322735	65721667	rs4884662	0.554
13	65689725	rs1322735	65755652	rs10459387	0.283
13	67439378	rs17083015	67503046	rs1416138	0.877
13	67439378	rs17083015	67508340	rs9541269	0.869
13	67503046	rs1416138	67508340	rs9541269	1.000
13	69780707	rs9599610	69780842	rs9599611	0.888
13	69849063	rs12859922	69849087	rs12858938	0.673
13	69849063	rs12859922	69862904	rs2151491	0.878
13	69849087	rs12858938	69862904	rs2151491	0.629
13	71481059	rs9542806	71486210	rs9542808	0.699
13	71481059	rs9542806	71505941	rs1460446	0.489
13	71481059	rs9542806	71517526	rs2706411	0.573
13	71481059	rs9542806	71559437	rs1022958	0.357
13	71481059	rs9542806	71570155	rs1326683	0.511
13	71481059	rs9542806	71571034	rs9529959	0.312
13	71486210	rs9542808	71505941	rs1460446	0.248
13	71486210	rs9542808	71517526	rs2706411	0.710
13	71486210	rs9542808	71570155	rs1326683	0.296
13	71486210	rs9542808	71571034	rs9529959	0.208
13	71505941	rs1460446	71517526	rs2706411	0.280
13	71505941	rs1460446	71559437	rs1022958	0.741
13	71505941	rs1460446	71570155	rs1326683	0.601
13	71505941	rs1460446	71571034	rs9529959	0.250
13	71505941	rs1460446	71574322	rs17791199	0.201
13	71517526	rs2706411	71559437	rs1022958	0.206
13	71517526	rs2706411	71570155	rs1326683	0.381
13	71517526	rs2706411	71571034	rs9529959	0.275
13	71559437	rs1022958	71570155	rs1326683	0.682
13	71559437	rs1022958	71571034	rs9529959	0.329
13	71559437	rs1022958	71574322	rs17791199	0.248
13	71570155	rs1326683	71571034	rs9529959	0.417
13	71822612	rs568474	71823339	rs9599954	0.845
13	75960658	rs2782991	75974819	rs283975	0.825
13	79496358	rs3910574	79500112	rs9545302	0.331
13	80391966	rs4379965	80392312	rs4312196	0.718
13	80391966	rs4379965	80394914	rs2478216	0.696
13	80392312	rs4312196	80394914	rs2478216	0.968
13	88037911	rs10507973	88039407	rs4483720	0.990
13	88037911	rs10507973	88057930	rs4773046	0.263
13	88037911	rs10507973	88067963	rs1536355	0.283
13	88039407	rs4483720	88057930	rs4773046	0.256

13	88039407	rs4483720	88067963	rs1536355	0.275
13	88057930	rs4773046	88067963	rs1536355	0.379
13	88067963	rs1536355	88099356	rs9521628	0.236
13	88067963	rs1536355	88114373	rs9521690	0.247
13	88073196	rs1326426	88099356	rs9521628	0.263
13	88073196	rs1326426	88114373	rs9521690	0.600
13	88099356	rs9521628	88114373	rs9521690	0.453
13	88099356	rs9521628	88471180	rs11069912	0.383
13	88099356	rs9521628	88534365	rs9522430	0.390
13	88471180	rs11069912	88534365	rs9522430	0.979
13	89727003	rs12867513	89727127	rs9560600	1.000
13	91494163	rs9301773	91557014	rs7993910	0.422
13	92516009	rs696931	92521689	rs1838355	0.420
13	92516009	rs696931	92525871	rs1444231	0.662
13	92521689	rs1838355	92525871	rs1444231	0.632
13	94317286	rs17196506	94331307	rs16950278	0.205
13	94341946	rs9590101	94349071	rs9590106	0.834
13	94341946	rs9590101	94349285	rs9590108	0.834
13	94341946	rs9590101	94350366	rs2148058	0.834
13	94341946	rs9590101	94350426	rs2182263	0.803
13	94341946	rs9590101	94351657	rs9302014	0.823
13	94341946	rs9590101	94357429	rs9561719	0.824
13	94349071	rs9590106	94349285	rs9590108	1.000
13	94349071	rs9590106	94350366	rs2148058	1.000
13	94349071	rs9590106	94350426	rs2182263	0.988
13	94349071	rs9590106	94351657	rs9302014	0.987
13	94349071	rs9590106	94357429	rs9561719	0.987
13	94349285	rs9590108	94350366	rs2148058	1.000
13	94349285	rs9590108	94350426	rs2182263	0.988
13	94349285	rs9590108	94351657	rs9302014	0.987
13	94349285	rs9590108	94357429	rs9561719	0.987
13	94350366	rs2148058	94350426	rs2182263	0.988
13	94350366	rs2148058	94351657	rs9302014	0.987
13	94350366	rs2148058	94357429	rs9561719	0.987
13	94350426	rs2182263	94351657	rs9302014	0.975
13	94350426	rs2182263	94357429	rs9561719	0.975
13	94351657	rs9302014	94357429	rs9561719	0.975
13	96443969	rs9513199	96455117	rs9516802	0.305
13	96764269	rs1316549	96805016	rs6491350	0.561
13	98096707	rs4578508	98096810	rs2184903	0.672
13	98096707	rs4578508	98103632	rs9554486	0.781
13	98096707	rs4578508	98113794	rs4412849	0.595
13	98096707	rs4578508	98120753	rs9557025	0.719
13	98096707	rs4578508	98168486	rs3782999	0.363

13	98096810	rs2184903	98103632	rs9554486	0.774
13	98096810	rs2184903	98113794	rs4412849	0.899
13	98096810	rs2184903	98120753	rs9557025	0.724
13	98096810	rs2184903	98168486	rs3782999	0.404
13	98103632	rs9554486	98113794	rs4412849	0.733
13	98103632	rs9554486	98120753	rs9557025	0.903
13	98103632	rs9554486	98168486	rs3782999	0.415
13	98113794	rs4412849	98120753	rs9557025	0.788
13	98113794	rs4412849	98168486	rs3782999	0.376
13	98120753	rs9557025	98168486	rs3782999	0.409
13	98953078	rs4772214	98988505	rs9585118	0.985
13	98953078	rs4772214	99003333	rs9585127	0.944
13	98953078	rs4772214	99065193	rs9554617	0.310
13	98988505	rs9585118	99003333	rs9585127	0.929
13	98988505	rs9585118	99065193	rs9554617	0.304
13	99003333	rs9585127	99065193	rs9554617	0.321
13	101721943	rs1360985	101724665	rs1415057	0.936
13	101721943	rs1360985	101752488	rs1336664	0.938
13	101724665	rs1415057	101752488	rs1336664	0.948
13	102413583	rs701559	102430390	rs7322528	0.762
13	103334252	rs9558198	103347771	rs16963727	0.882
13	103914442	rs7322187	103914702	rs9586517	1.000
13	103914442	rs7322187	103921100	rs9514269	0.303
13	103914442	rs7322187	103933101	rs9300934	0.587
13	103914442	rs7322187	103938575	rs9582875	0.595
13	103914702	rs9586517	103921100	rs9514269	0.303
13	103914702	rs9586517	103933101	rs9300934	0.587
13	103914702	rs9586517	103938575	rs9582875	0.595
13	103921100	rs9514269	103933101	rs9300934	0.464
13	103921100	rs9514269	103938575	rs9582875	0.421
13	103933101	rs9300934	103938575	rs9582875	0.890
13	103933101	rs9300934	104019769	rs9519381	0.228
13	103938575	rs9582875	104019769	rs9519381	0.220
13	104515664	rs7139453	104515799	rs7316970	0.912
13	104954122	rs11618600	104968003	rs1981272	0.737
13	105159394	rs4523809	105159963	rs9519746	1.000
13	105939350	rs7328698	105939434	rs7328882	0.898
13	106615670	rs4772857	106618191	rs1927767	0.281
13	110090045	rs7394	110104108	rs445490	0.225
13	110252125	rs7323834	110254929	rs7319972	0.947
13	110455200	rs7317887	110466673	rs8000668	0.234
13	112080916	rs7324712	112101471	rs10816	0.621
13	112080916	rs7324712	112101811	rs9550070	0.439
13	112101471	rs10816	112101811	rs9550070	0.784

13	112199342	rs4907533	112273716	rs9577814	0.562
13	113941987	rs9590464	113968129	rs7983955	0.557
14	19957802	rs1760955	19961438	rs12436843	0.453
14	21536574	rs932230	21536724	rs932231	0.648
14	21784072	rs4981415	21784363	rs11157474	0.299
14	24498867	rs17109366	24536305	rs17109462	0.247
14	24498867	rs17109366	24538105	rs10151968	0.671
14	24536305	rs17109462	24538105	rs10151968	0.314
14	29748277	rs17096419	29749441	rs11629275	1.000
14	33312734	rs8017055	33316845	rs12895061	0.274
14	36159780	rs11622332	36190727	rs6571755	0.743
14	37714254	rs2415456	37715384	rs2415458	0.926
14	37714254	rs2415456	37715734	rs2899868	0.926
14	37714254	rs2415456	37717436	rs10147944	0.914
14	37715384	rs2415458	37715734	rs2899868	1.000
14	37715384	rs2415458	37717436	rs10147944	0.987
14	37715734	rs2899868	37717436	rs10147944	0.987
14	38958523	rs4902622	39013292	rs2057137	0.600
14	39935520	rs4903754	39949725	rs8181915	0.836
14	39998166	rs7156053	40094252	rs12587411	0.928
14	41290670	rs4304945	41414572	rs2031271	0.231
14	41290670	rs4304945	41443589	rs17181811	0.384
14	41290670	rs4304945	41514751	rs1684689	0.399
14	41290670	rs4304945	41598712	rs1763302	0.316
14	41414572	rs2031271	41443589	rs17181811	0.566
14	41414572	rs2031271	41514751	rs1684689	0.604
14	41414572	rs2031271	41598712	rs1763302	0.458
14	41443589	rs17181811	41514751	rs1684689	0.901
14	41443589	rs17181811	41598712	rs1763302	0.701
14	41514751	rs1684689	41598712	rs1763302	0.792
14	43427391	rs1952381	43604910	rs7153093	0.279
14	45457913	rs12148021	45505234	rs762015	0.538
14	45457913	rs12148021	45521429	rs1951317	0.799
14	45457913	rs12148021	45564779	rs11849729	0.612
14	45457913	rs12148021	45565893	rs9805956	0.782
14	45457913	rs12148021	45567885	rs1957190	0.673
14	45457913	rs12148021	45575579	rs4491418	0.789
14	45457913	rs12148021	45580798	rs1957187	0.715
14	45505234	rs762015	45521429	rs1951317	0.557
14	45505234	rs762015	45564779	rs11849729	0.846
14	45505234	rs762015	45565893	rs9805956	0.560
14	45505234	rs762015	45567885	rs1957190	0.724
14	45505234	rs762015	45575579	rs4491418	0.544
14	45505234	rs762015	45580798	rs1957187	0.754

14	45521429	rs1951317	45564779	rs11849729	0.450
14	45521429	rs1951317	45565893	rs9805956	0.749
14	45521429	rs1951317	45567885	rs1957190	0.628
14	45521429	rs1951317	45575579	rs4491418	0.991
14	45521429	rs1951317	45580798	rs1957187	0.548
14	45564779	rs11849729	45565893	rs9805956	0.628
14	45564779	rs11849729	45567885	rs1957190	0.800
14	45564779	rs11849729	45575579	rs4491418	0.438
14	45564779	rs11849729	45580798	rs1957187	0.877
14	45565893	rs9805956	45567885	rs1957190	0.808
14	45565893	rs9805956	45575579	rs4491418	0.738
14	45565893	rs9805956	45580798	rs1957187	0.715
14	45567885	rs1957190	45575579	rs4491418	0.616
14	45567885	rs1957190	45580798	rs1957187	0.908
14	45575579	rs4491418	45580798	rs1957187	0.536
14	49029992	rs10483556	49038646	rs8009047	0.678
14	49038646	rs8009047	49056851	rs7145941	0.244
14	51806327	rs4901265	51806518	rs4898758	0.983
14	52886261	rs1255320	52898072	rs1255281	0.873
14	55624732	rs17090962	55624828	rs17090964	1.000
14	56307190	rs12435979	56307786	rs12436671	0.883
14	56307786	rs12436671	56312173	rs198228	0.239
14	57000298	rs8021033	57000360	rs8021172	1.000
14	57000298	rs8021033	57018133	rs1152522	0.691
14	57000298	rs8021033	57068620	rs17795775	0.348
14	57000360	rs8021172	57018133	rs1152522	0.691
14	57000360	rs8021172	57068620	rs17795775	0.348
14	57018133	rs1152522	57068620	rs17795775	0.244
14	57429212	rs17093847	57429606	rs17093849	1.000
14	58447201	rs177727	58475842	rs10141742	0.341
14	58447201	rs177727	58494767	rs2882029	0.910
14	58475842	rs10141742	58494767	rs2882029	0.394
14	58740427	rs17095853	58767499	rs17833810	0.337
14	58740427	rs17095853	58794834	rs17095965	0.747
14	58740427	rs17095853	58810870	rs17096006	0.688
14	58740427	rs17095853	58817716	rs7155203	0.699
14	58740427	rs17095853	58820238	rs8181987	0.628
14	58794834	rs17095965	58810870	rs17096006	0.918
14	58794834	rs17095965	58817716	rs7155203	0.871
14	58794834	rs17095965	58820238	rs8181987	0.862
14	58810870	rs17096006	58817716	rs7155203	0.956
14	58810870	rs17096006	58820238	rs8181987	0.921
14	58817716	rs7155203	58820238	rs8181987	0.914
14	59219012	rs2182140	59496656	rs10483722	0.216

14	59385633	rs12897336	59394703	rs17310036	0.986
14	59385633	rs12897336	59496656	rs10483722	0.846
14	59394703	rs17310036	59496656	rs10483722	0.835
14	59758931	rs188620	59818533	rs12323784	0.623
14	60101037	rs10150234	60195789	rs4899015	0.376
14	60101037	rs10150234	60228623	rs1018457	0.204
14	60101037	rs10150234	60486215	rs2882684	0.210
14	60228623	rs1018457	60486215	rs2882684	0.684
14	61003344	rs912618	61108248	rs798788	0.273
14	61100961	rs2105073	61108248	rs798788	0.504
14	62711170	rs7152965	62748675	rs762102	0.470
14	63478768	rs9323443	63483936	rs1262235	0.956
14	63604909	rs1255971	63631077	rs17101651	0.228
14	65539347	rs1147441	65587002	rs1838332	0.224
14	65824990	rs8005105	65956469	rs8020532	0.650
14	65824990	rs8005105	66322788	rs8022328	0.628
14	65956469	rs8020532	66322788	rs8022328	0.834
14	67902720	rs8018477	67914548	rs1885014	0.972
14	67902720	rs8018477	67944813	rs3784119	0.584
14	67914548	rs1885014	67944813	rs3784119	0.572
14	68622880	rs9323521	68630946	rs2001355	0.751
14	69599208	rs149250	69617703	rs12883784	0.959
14	69605628	rs150951	69605652	rs150950	1.000
14	69605628	rs150951	69605686	rs150949	1.000
14	69605628	rs150951	69605873	rs150948	1.000
14	69605652	rs150950	69605686	rs150949	1.000
14	69605652	rs150950	69605873	rs150948	1.000
14	69605686	rs150949	69605873	rs150948	1.000
14	70302669	rs4902852	70344430	rs7155910	0.443
14	72047594	rs7161176	72077931	rs11628539	0.507
14	74235578	rs4899530	74236246	rs6574189	1.000
14	74235578	rs4899530	74237459	rs17782683	0.382
14	74235578	rs4899530	74435482	rs732765	0.710
14	74236246	rs6574189	74237459	rs17782683	0.380
14	74236246	rs6574189	74435482	rs732765	0.709
14	74237459	rs17782683	74435482	rs732765	0.304
14	74899937	rs12590700	74901110	rs8006018	0.367
14	75683431	rs935334	75727223	rs1900125	1.000
14	78499684	rs31420	78500348	rs17108429	0.565
14	79161922	rs221492	79837480	rs9989235	0.201
14	79743567	rs2267873	79813376	rs2295138	0.434
14	79743567	rs2267873	79837480	rs9989235	0.572
14	79743567	rs2267873	79841000	rs2160355	0.424
14	79813376	rs2295138	79837480	rs9989235	0.355

14	79813376	rs2295138	79841000	rs2160355	0.979
14	79837480	rs9989235	79841000	rs2160355	0.333
14	83979059	rs8006640	83981301	rs12883344	1.000
14	85288372	rs12897255	85291664	rs17730580	0.921
14	85288372	rs12897255	85306119	rs8003269	0.607
14	85288372	rs12897255	85321268	rs17736583	0.825
14	85288372	rs12897255	85335323	rs11851223	0.748
14	85291664	rs17730580	85306119	rs8003269	0.562
14	85291664	rs17730580	85321268	rs17736583	0.883
14	85291664	rs17730580	85335323	rs11851223	0.773
14	85306119	rs8003269	85321268	rs17736583	0.575
14	85306119	rs8003269	85335323	rs11851223	0.649
14	85321268	rs17736583	85335323	rs11851223	0.870
14	85796095	rs2135102	85796535	rs4899891	1.000
14	85796095	rs2135102	85813242	rs1505163	0.934
14	85796095	rs2135102	85817489	rs7144626	0.853
14	85796535	rs4899891	85813242	rs1505163	0.934
14	85796535	rs4899891	85817489	rs7144626	0.853
14	85813242	rs1505163	85817489	rs7144626	0.918
14	92140517	rs11628803	92142022	rs2146498	0.973
14	93846154	rs11160168	93875164	rs1950654	0.685
14	93846154	rs11160168	93908993	rs1016686	0.435
14	93846154	rs11160168	93911394	rs1243167	0.411
14	93875164	rs1950654	93908993	rs1016686	0.563
14	93875164	rs1950654	93911394	rs1243167	0.535
14	93908993	rs1016686	93911394	rs1243167	0.911
14	94019874	rs8008729	94020846	rs12589932	0.664
14	94019874	rs8008729	94026811	rs4900233	0.598
14	94019874	rs8008729	94033174	rs8012043	0.267
14	94020846	rs12589932	94026811	rs4900233	0.933
14	94020846	rs12589932	94033174	rs8012043	0.445
14	94026811	rs4900233	94033174	rs8012043	0.436
14	95247926	rs2296311	95251335	rs1984968	0.903
14	95518120	rs11628024	95526439	rs2369415	0.854
14	95518120	rs11628024	95560098	rs10149056	0.838
14	95526439	rs2369415	95560098	rs10149056	0.949
14	97689215	rs17096516	97697068	rs17096556	0.842
14	97775389	rs4900391	97815629	rs11846788	0.463
14	97833989	rs8022910	97834528	rs7142106	0.584
14	98039917	rs8003296	98057225	rs8022320	0.917
14	102481588	rs911627	102482021	rs2403107	0.576
15	21779413	rs1459963	21780108	rs996956	0.969
15	23600150	rs4906777	23604395	rs17642892	0.495
15	23600150	rs4906777	23605988	rs8041836	0.470

15	23604395	rs17642892	23605988	rs8041836	0.942
15	24625888	rs8032341	24632266	rs7402786	0.314
15	25763768	rs12592307	25774538	rs768547	0.876
15	27025631	rs12324794	27391874	rs1025989	0.301
15	27391874	rs1025989	27395970	rs1373891	0.547
15	27547808	rs16955485	27556480	rs10851966	0.724
15	27547808	rs16955485	27562437	rs11073050	0.873
15	27556480	rs10851966	27562437	rs11073050	0.743
15	29324938	rs17228227	29332325	rs17815905	0.865
15	29883581	rs905434	29884283	rs905438	0.865
15	29883581	rs905434	29891656	rs7171443	0.774
15	29883581	rs905434	29893943	rs7182228	0.640
15	29883581	rs905434	29912376	rs2879291	0.504
15	29883581	rs905434	29918313	rs17604644	0.853
15	29884283	rs905438	29891656	rs7171443	0.742
15	29884283	rs905438	29893943	rs7182228	0.615
15	29884283	rs905438	29912376	rs2879291	0.466
15	29884283	rs905438	29918313	rs17604644	0.990
15	29891656	rs7171443	29893943	rs7182228	0.877
15	29891656	rs7171443	29912376	rs2879291	0.783
15	29891656	rs7171443	29918313	rs17604644	0.757
15	29893943	rs7182228	29912376	rs2879291	0.868
15	29893943	rs7182228	29918313	rs17604644	0.627
15	29912376	rs2879291	29918313	rs17604644	0.475
15	32841217	rs2196562	32849069	rs1521849	0.209
15	33550949	rs17586323	33554579	rs958384	1.000
15	33550949	rs17586323	33624589	rs8024137	0.826
15	33554579	rs958384	33624589	rs8024137	0.826
15	36654501	rs12324139	36654582	rs12324161	0.991
15	42803897	rs6493111	42843424	rs3100141	0.423
15	43337949	rs11637838	43339048	rs8039354	1.000
15	43337949	rs11637838	43344121	rs11631021	0.545
15	43337949	rs11637838	43346560	rs11639420	1.000
15	43337949	rs11637838	43388704	rs11636114	0.911
15	43337949	rs11637838	43516029	rs2453518	0.317
15	43339048	rs8039354	43344121	rs11631021	0.545
15	43339048	rs8039354	43346560	rs11639420	1.000
15	43339048	rs8039354	43388704	rs11636114	0.911
15	43339048	rs8039354	43516029	rs2453518	0.317
15	43344121	rs11631021	43346560	rs11639420	0.545
15	43344121	rs11631021	43388704	rs11636114	0.457
15	43346560	rs11639420	43388704	rs11636114	0.911
15	43346560	rs11639420	43516029	rs2453518	0.317
15	43388704	rs11636114	43516029	rs2453518	0.367

15	44023436	rs16949297	44030019	rs6493188	0.927
15	45541604	rs1390870	45584167	rs12908208	0.954
15	46999340	rs4381535	47007244	rs4303430	0.330
15	50500938	rs17614119	50652177	rs8034728	0.234
15	52310314	rs8023723	52320735	rs12439702	0.779
15	55046028	rs12900986	55201068	rs967514	0.645
15	58460982	rs9920861	58461141	rs9920823	0.907
15	60578048	rs16945167	60581199	rs885188	0.366
15	61615616	rs8025240	61675548	rs4074448	0.750
15	65272210	rs12595334	65440030	rs8042007	0.975
15	67263598	rs12438916	67288438	rs4777125	0.707
15	69537817	rs991051	69540196	rs12912393	0.964
15	69791262	rs1604335	69804834	rs17737569	0.462
15	70235165	rs16956602	70332911	rs3803388	1.000
15	70864255	rs2278543	70909026	rs4514651	0.395
15	78880032	rs11633017	78880943	rs748696	0.250
15	83294136	rs896368	83294367	rs896370	1.000
15	83814605	rs7168345	83824542	rs12913754	0.322
15	83814605	rs7168345	83860275	rs11637726	0.224
15	83814605	rs7168345	83864137	rs4842888	0.584
15	83814605	rs7168345	83865972	rs3743321	0.580
15	83814605	rs7168345	83871692	rs6496055	0.537
15	83824542	rs12913754	83860275	rs11637726	0.813
15	83824542	rs12913754	83864137	rs4842888	0.213
15	83824542	rs12913754	83865972	rs3743321	0.210
15	83824542	rs12913754	83871692	rs6496055	0.215
15	83824542	rs12913754	84034374	rs17574774	0.426
15	83860275	rs11637726	83864137	rs4842888	0.285
15	83860275	rs11637726	83865972	rs3743321	0.283
15	83860275	rs11637726	83871692	rs6496055	0.288
15	83860275	rs11637726	84034374	rs17574774	0.531
15	83864137	rs4842888	83865972	rs3743321	1.000
15	83864137	rs4842888	83871692	rs6496055	0.936
15	83865972	rs3743321	83871692	rs6496055	0.935
15	84393542	rs4887511	84415671	rs11630546	0.594
15	84756735	rs1835629	84865093	rs12591257	0.813
15	84815653	rs7174126	84815973	rs9920671	0.944
15	86204840	rs1560977	86205395	rs3803409	0.940
15	87790545	rs11073865	87790819	rs11073866	0.903
15	87943291	rs8039002	87969112	rs894157	0.874
15	89918244	rs8028098	89962969	rs12148290	0.207
15	90571510	rs12440538	90573772	rs11632145	1.000
15	94583487	rs1964412	94589026	rs11856264	0.849
15	97921908	rs4424892	98065263	rs325406	0.312

16	932301	rs1465761	947764	rs12595929	0.388
16	4379210	rs11646063	4508770	rs4786509	0.348
16	4379210	rs11646063	4509441	rs11076837	0.348
16	4508770	rs4786509	4509441	rs11076837	1.000
16	5775884	rs9926798	5790794	rs8059231	0.316
16	6328800	rs1833157	6331875	rs1640881	0.436
16	6328800	rs1833157	6340689	rs11642627	0.977
16	6328800	rs1833157	6348155	rs17527108	0.356
16	6331875	rs1640881	6340689	rs11642627	0.430
16	6331875	rs1640881	6348155	rs17527108	0.456
16	6340689	rs11642627	6348155	rs17527108	0.352
16	7531196	rs12596133	7531546	rs1507027	0.628
16	7531196	rs12596133	7533576	rs6500981	0.645
16	7531546	rs1507027	7533576	rs6500981	0.386
16	7559278	rs7197594	7562377	rs11641648	0.981
16	7559278	rs7197594	7565512	rs7190440	0.206
16	7559278	rs7197594	7567099	rs11648790	0.231
16	7562377	rs11641648	7565512	rs7190440	0.202
16	7562377	rs11641648	7567099	rs11648790	0.226
16	7565512	rs7190440	7567099	rs11648790	0.944
16	8538548	rs4074769	8544856	rs9925238	0.599
16	9552891	rs9932623	9553178	rs9932870	0.931
16	9714028	rs12917871	9715998	rs8062216	0.944
16	9714028	rs12917871	9716455	rs6497420	0.944
16	9714028	rs12917871	9716477	rs6497421	0.944
16	9715998	rs8062216	9716455	rs6497420	1.000
16	9715998	rs8062216	9716477	rs6497421	1.000
16	9716455	rs6497420	9716477	rs6497421	1.000
16	9740694	rs17749793	9758623	rs8045712	0.785
16	10016159	rs11866385	10044390	rs11074547	0.218
16	10016159	rs11866385	10153982	rs6497732	0.261
16	10019403	rs837696	10044390	rs11074547	0.626
16	10153982	rs6497732	10187517	rs1071504	0.469
16	10947194	rs12598008	10999062	rs8055544	0.846
16	13428953	rs9989415	13432639	rs7199289	0.883
16	13428953	rs9989415	13495836	rs16962155	0.220
16	13432639	rs7199289	13495836	rs16962155	0.256
16	13495836	rs16962155	13545495	rs16962265	0.219
16	19237604	rs8052275	19237689	rs8051268	1.000
16	19237604	rs8052275	19239195	rs2027818	1.000
16	19237604	rs8052275	19239238	rs2027819	0.938
16	19237689	rs8051268	19239195	rs2027818	1.000
16	19237689	rs8051268	19239238	rs2027819	0.938
16	19239195	rs2027818	19239238	rs2027819	0.938

16	22139927	rs6497580	22284504	rs4468604	0.480
16	23633222	rs17807642	23647489	rs192188	0.276
16	26006106	rs11074748	26007616	rs4520841	0.886
16	26870497	rs4638587	26915707	rs9674123	0.479
16	26870497	rs4638587	26918208	rs11646543	0.479
16	26870497	rs4638587	26919173	rs16976487	0.479
16	26915707	rs9674123	26918208	rs11646543	1.000
16	26915707	rs9674123	26919173	rs16976487	1.000
16	26918208	rs11646543	26919173	rs16976487	1.000
16	26982794	rs12926642	26982895	rs12927904	1.000
16	27089322	rs17638800	27089979	rs8045153	1.000
16	34240588	rs2623779	34679872	rs8054993	0.534
16	48077446	rs193915	48078375	rs193910	0.955
16	48178188	rs7204390	48178489	rs1420683	0.822
16	48781884	rs8057842	48817077	rs4490002	0.658
16	49271530	rs7202124	49280575	rs1981760	0.772
16	49271530	rs7202124	49281588	rs9933594	0.772
16	49271530	rs7202124	49282290	rs4785448	0.817
16	49271530	rs7202124	49308676	rs751271	0.529
16	49280575	rs1981760	49281588	rs9933594	1.000
16	49280575	rs1981760	49282290	rs4785448	0.873
16	49280575	rs1981760	49303084	rs1861759	0.228
16	49280575	rs1981760	49308676	rs751271	0.575
16	49281588	rs9933594	49282290	rs4785448	0.873
16	49281588	rs9933594	49303084	rs1861759	0.228
16	49281588	rs9933594	49308676	rs751271	0.575
16	49282290	rs4785448	49303084	rs1861759	0.205
16	49282290	rs4785448	49308676	rs751271	0.489
16	49303084	rs1861759	49308676	rs751271	0.272
16	51128937	rs4783780	51156689	rs4784227	0.309
16	51128937	rs4783780	51206232	rs3112609	0.386
16	51156689	rs4784227	51206232	rs3112609	0.284
16	53021837	rs9972796	53030284	rs1420284	0.681
16	53866889	rs7197650	53872091	rs12932846	0.337
16	54648394	rs8051382	54690175	rs2008084	0.752
16	54648394	rs8051382	54831387	rs1382362	0.593
16	54690175	rs2008084	54831387	rs1382362	0.501
16	54813457	rs10521336	54819250	rs11644504	0.637
16	56783625	rs2731757	56791457	rs2731740	0.881
16	58124917	rs7191772	58129174	rs11863562	0.801
16	60162149	rs2407919	60187711	rs8058822	0.203
16	61131967	rs2938719	61137678	rs3011235	0.691
16	63378852	rs1424000	63380457	rs2874148	0.216
16	63532702	rs35164	63533057	rs35162	0.986

16	63947553	rs9939590	63963161	rs9929092	0.929
16	64486360	rs4785875	64486648	rs11075598	1.000
16	64701645	rs12598065	64811279	rs2549491	0.214
16	69349418	rs16970513	69364175	rs4985364	0.574
16	69349418	rs16970513	69381134	rs8060947	0.787
16	69349418	rs16970513	69391450	rs9931380	0.592
16	69349418	rs16970513	69606892	rs6499386	0.223
16	69364175	rs4985364	69381134	rs8060947	0.721
16	69364175	rs4985364	69391450	rs9931380	0.664
16	69381134	rs8060947	69391450	rs9931380	0.785
16	70274906	rs8048210	70346331	rs2036338	0.968
16	72259525	rs8056327	72271184	rs764255	0.888
16	72340097	rs417940	72341917	rs4887925	0.275
16	72646583	rs9932030	72656475	rs8051876	0.618
16	74555050	rs1018097	74566842	rs6564297	0.429
16	74555050	rs1018097	74579010	rs8055817	0.734
16	74566842	rs6564297	74579010	rs8055817	0.374
16	74691349	rs13337655	74717773	rs12149144	0.599
16	74691349	rs13337655	74720494	rs4888477	0.546
16	74691349	rs13337655	74720684	rs4888478	0.546
16	74691349	rs13337655	74726944	rs724246	0.534
16	74691349	rs13337655	74757947	rs10871321	0.532
16	74691349	rs13337655	74773650	rs41526748	0.542
16	74691349	rs13337655	74792527	rs12597760	0.433
16	74691349	rs13337655	74793211	rs3851752	0.313
16	74717773	rs12149144	74720494	rs4888477	0.899
16	74717773	rs12149144	74720684	rs4888478	0.899
16	74717773	rs12149144	74726944	rs724246	0.915
16	74717773	rs12149144	74757947	rs10871321	0.874
16	74717773	rs12149144	74773650	rs41526748	0.825
16	74717773	rs12149144	74792527	rs12597760	0.713
16	74717773	rs12149144	74793211	rs3851752	0.543
16	74717773	rs12149144	74793563	rs11863642	0.559
16	74720494	rs4888477	74720684	rs4888478	1.000
16	74720494	rs4888477	74726944	rs724246	0.983
16	74720494	rs4888477	74757947	rs10871321	0.881
16	74720494	rs4888477	74773650	rs41526748	0.831
16	74720494	rs4888477	74792527	rs12597760	0.722
16	74720494	rs4888477	74793211	rs3851752	0.572
16	74720494	rs4888477	74793563	rs11863642	0.587
16	74720494	rs4888477	74793613	rs11149879	0.733
16	74720684	rs4888478	74726944	rs724246	0.983
16	74720684	rs4888478	74757947	rs10871321	0.881
16	74720684	rs4888478	74773650	rs41526748	0.831

16	74720684	rs4888478	74792527	rs12597760	0.722
16	74720684	rs4888478	74793211	rs3851752	0.572
16	74720684	rs4888478	74793563	rs11863642	0.587
16	74720684	rs4888478	74793613	rs11149879	0.733
16	74720684	rs4888478	74794055	rs41515248	0.737
16	74726944	rs724246	74757947	rs10871321	0.897
16	74726944	rs724246	74773650	rs41526748	0.846
16	74726944	rs724246	74792527	rs12597760	0.736
16	74726944	rs724246	74793211	rs3851752	0.585
16	74726944	rs724246	74793563	rs11863642	0.601
16	74726944	rs724246	74793613	rs11149879	0.747
16	74726944	rs724246	74794055	rs41515248	0.751
16	74726944	rs724246	74794135	rs4888483	0.585
16	74757947	rs10871321	74773650	rs41526748	0.946
16	74757947	rs10871321	74792527	rs12597760	0.826
16	74757947	rs10871321	74793211	rs3851752	0.637
16	74757947	rs10871321	74793563	rs11863642	0.655
16	74757947	rs10871321	74793613	rs11149879	0.837
16	74757947	rs10871321	74794055	rs41515248	0.842
16	74757947	rs10871321	74794135	rs4888483	0.637
16	74757947	rs10871321	74794288	rs4888484	0.637
16	74773650	rs41526748	74792527	rs12597760	0.843
16	74773650	rs41526748	74793211	rs3851752	0.649
16	74773650	rs41526748	74793563	rs11863642	0.665
16	74773650	rs41526748	74793613	rs11149879	0.857
16	74773650	rs41526748	74794055	rs41515248	0.860
16	74773650	rs41526748	74794135	rs4888483	0.649
16	74773650	rs41526748	74794288	rs4888484	0.649
16	74792527	rs12597760	74793211	rs3851752	0.720
16	74792527	rs12597760	74793563	rs11863642	0.738
16	74792527	rs12597760	74793613	rs11149879	0.946
16	74792527	rs12597760	74794055	rs41515248	0.982
16	74792527	rs12597760	74794135	rs4888483	0.720
16	74792527	rs12597760	74794288	rs4888484	0.720
16	74793211	rs3851752	74793563	rs11863642	0.983
16	74793211	rs3851752	74793613	rs11149879	0.767
16	74793211	rs3851752	74794055	rs41515248	0.736
16	74793211	rs3851752	74794135	rs4888483	1.000
16	74793211	rs3851752	74794288	rs4888484	1.000
16	74793563	rs11863642	74793613	rs11149879	0.755
16	74793563	rs11863642	74794055	rs41515248	0.754
16	74793563	rs11863642	74794135	rs4888483	0.983
16	74793563	rs11863642	74794288	rs4888484	0.983
16	74793613	rs11149879	74794055	rs41515248	0.964

16	74793613	rs11149879	74794135	rs4888483	0.767
16	74793613	rs11149879	74794288	rs4888484	0.767
16	74794055	rs41515248	74794135	rs4888483	0.736
16	74794055	rs41515248	74794288	rs4888484	0.736
16	74794135	rs4888483	74794288	rs4888484	1.000
16	77218875	rs2738577	77223653	rs1981881	0.336
16	77218875	rs2738577	77236228	rs2550626	0.245
16	77223653	rs1981881	77236228	rs2550626	0.704
16	78296126	rs11867049	78296335	rs9941279	0.936
16	78296126	rs11867049	78297854	rs12925930	0.926
16	78296126	rs11867049	78298732	rs10871375	0.936
16	78296335	rs9941279	78297854	rs12925930	0.989
16	78296335	rs9941279	78298732	rs10871375	1.000
16	78297854	rs12925930	78298732	rs10871375	0.989
16	80374081	rs6564919	80374523	rs7192802	0.966
16	80374081	rs6564919	80374740	rs4580153	0.966
16	80374523	rs7192802	80374740	rs4580153	1.000
16	80884590	rs1029637	80934373	rs2317841	0.237
16	81851744	rs8059870	81853239	rs17678609	0.926
16	82096406	rs8056534	82097934	rs4782539	0.345
16	85050919	rs11117502	85079091	rs9929301	0.486
17	1018374	rs11655015	1026950	rs4968174	0.387
17	2966475	rs6502692	2981856	rs7220491	0.422
17	12325534	rs11870286	12336944	rs11654944	0.291
17	14461941	rs16949994	14482865	rs11652573	0.223
17	14461941	rs16949994	14519718	rs11649745	0.259
17	14482865	rs11652573	14519718	rs11649745	0.677
17	19486692	rs4925026	19535432	rs4925041	0.930
17	19572507	rs7214841	19586530	rs887241	0.695
17	19937021	rs11204422	20155944	rs7223476	0.340
17	23813398	rs11080063	23815286	rs4581750	0.709
17	28716561	rs16968252	28727436	rs2347154	0.375
17	29353806	rs4239243	29361439	rs4513143	0.443
17	29734011	rs16969603	29734719	rs11867951	0.955
17	29734011	rs16969603	29741828	rs16969695	0.846
17	29734719	rs11867951	29741828	rs16969695	0.887
17	29735833	rs159304	29755162	rs212498	0.216
17	30039109	rs4795972	30050692	rs4795980	0.249
17	30039109	rs4795972	30076771	rs2240667	0.203
17	30050692	rs4795980	30076771	rs2240667	0.489
17	30050692	rs4795980	30092666	rs4795043	0.425
17	30076771	rs2240667	30092666	rs4795043	0.657
17	30820998	rs4239251	30830445	rs8066132	0.746
17	36712002	rs1001191	36725455	rs12449671	0.561

17	38441868	rs9911630	38485428	rs4793197	0.481
17	38441868	rs9911630	38496716	rs799916	0.966
17	38441868	rs9911630	38512575	rs8176126	0.484
17	38441868	rs9911630	38771048	rs4520874	0.482
17	38441868	rs9911630	38773860	rs4793229	0.484
17	38441868	rs9911630	38781683	rs9646413	0.906
17	38441868	rs9911630	38817755	rs4792990	0.226
17	38485428	rs4793197	38496716	rs799916	0.537
17	38485428	rs4793197	38512575	rs8176126	0.990
17	38485428	rs4793197	38771048	rs4520874	0.949
17	38485428	rs4793197	38773860	rs4793229	0.949
17	38485428	rs4793197	38781683	rs9646413	0.491
17	38496716	rs799916	38512575	rs8176126	0.541
17	38496716	rs799916	38771048	rs4520874	0.539
17	38496716	rs799916	38773860	rs4793229	0.541
17	38496716	rs799916	38781683	rs9646413	0.949
17	38512575	rs8176126	38771048	rs4520874	0.959
17	38512575	rs8176126	38773860	rs4793229	0.959
17	38512575	rs8176126	38781683	rs9646413	0.494
17	38771048	rs4520874	38773860	rs4793229	1.000
17	38771048	rs4520874	38781683	rs9646413	0.533
17	38773860	rs4793229	38781683	rs9646413	0.534
17	40487006	rs4793172	40538554	rs1053733	0.649
17	42276896	rs2083798	42276928	rs2083797	0.801
17	42276896	rs2083798	42285344	rs4968279	0.489
17	42276928	rs2083797	42285344	rs4968279	0.369
17	43255967	rs17035	43599947	rs16953235	0.267
17	43595262	rs2021752	43610091	rs3792692	1.000
17	43595262	rs2021752	43616538	rs3897986	0.929
17	43595262	rs2021752	43620432	rs2305433	0.929
17	43610091	rs3792692	43616538	rs3897986	0.929
17	43610091	rs3792692	43620432	rs2305433	0.929
17	43616538	rs3897986	43620432	rs2305433	1.000
17	47584392	rs16951051	47655029	rs10514999	0.438
17	47750538	rs10515007	47762776	rs1386269	0.748
17	47750538	rs10515007	47802800	rs11080004	0.385
17	47762776	rs1386269	47802800	rs11080004	0.492
17	47862591	rs4794347	48034698	rs4794363	0.352
17	47862591	rs4794347	48040637	rs954506	0.352
17	47862591	rs4794347	48040777	rs2319988	0.351
17	47862591	rs4794347	48051058	rs1492198	0.344
17	47862591	rs4794347	48058862	rs2467486	0.342
17	47862591	rs4794347	48072908	rs1492227	0.352
17	47862591	rs4794347	48093607	rs2452247	0.284

17	47938582	rs350011	47941885	rs350016	0.975
17	47938582	rs350011	48034698	rs4794363	0.349
17	47938582	rs350011	48040637	rs954506	0.349
17	47938582	rs350011	48040777	rs2319988	0.347
17	47938582	rs350011	48051058	rs1492198	0.327
17	47938582	rs350011	48058862	rs2467486	0.308
17	47938582	rs350011	48072908	rs1492227	0.320
17	47938582	rs350011	48093607	rs2452247	0.314
17	47938582	rs350011	48093793	rs2452248	0.309
17	47941885	rs350016	48034698	rs4794363	0.380
17	47941885	rs350016	48040637	rs954506	0.380
17	47941885	rs350016	48040777	rs2319988	0.378
17	47941885	rs350016	48051058	rs1492198	0.356
17	47941885	rs350016	48058862	rs2467486	0.338
17	47941885	rs350016	48072908	rs1492227	0.350
17	47941885	rs350016	48093607	rs2452247	0.329
17	47941885	rs350016	48093793	rs2452248	0.325
17	47941885	rs350016	48094974	rs1907667	0.325
17	48034698	rs4794363	48040637	rs954506	1.000
17	48034698	rs4794363	48040777	rs2319988	1.000
17	48034698	rs4794363	48051058	rs1492198	0.988
17	48034698	rs4794363	48058862	rs2467486	0.963
17	48034698	rs4794363	48072908	rs1492227	0.976
17	48034698	rs4794363	48093607	rs2452247	0.856
17	48034698	rs4794363	48093793	rs2452248	0.877
17	48034698	rs4794363	48094974	rs1907667	0.877
17	48034698	rs4794363	48096000	rs2452249	0.866
17	48040637	rs954506	48040777	rs2319988	1.000
17	48040637	rs954506	48051058	rs1492198	0.988
17	48040637	rs954506	48058862	rs2467486	0.963
17	48040637	rs954506	48072908	rs1492227	0.976
17	48040637	rs954506	48093607	rs2452247	0.856
17	48040637	rs954506	48093793	rs2452248	0.877
17	48040637	rs954506	48094974	rs1907667	0.877
17	48040637	rs954506	48096000	rs2452249	0.866
17	48040637	rs954506	48121473	rs10515023	0.335
17	48040777	rs2319988	48051058	rs1492198	0.988
17	48040777	rs2319988	48058862	rs2467486	0.963
17	48040777	rs2319988	48072908	rs1492227	0.976
17	48040777	rs2319988	48093607	rs2452247	0.856
17	48040777	rs2319988	48093793	rs2452248	0.876
17	48040777	rs2319988	48094974	rs1907667	0.876
17	48040777	rs2319988	48096000	rs2452249	0.866
17	48040777	rs2319988	48121473	rs10515023	0.334

17	48051058	rs1492198	48058862	rs2467486	0.976
17	48051058	rs1492198	48072908	rs1492227	0.988
17	48051058	rs1492198	48093607	rs2452247	0.868
17	48051058	rs1492198	48093793	rs2452248	0.889
17	48051058	rs1492198	48094974	rs1907667	0.889
17	48051058	rs1492198	48096000	rs2452249	0.878
17	48051058	rs1492198	48121473	rs10515023	0.341
17	48051058	rs1492198	48192021	rs4451995	0.316
17	48058862	rs2467486	48072908	rs1492227	0.988
17	48058862	rs2467486	48093607	rs2452247	0.865
17	48058862	rs2467486	48093793	rs2452248	0.886
17	48058862	rs2467486	48094974	rs1907667	0.886
17	48058862	rs2467486	48096000	rs2452249	0.875
17	48058862	rs2467486	48121473	rs10515023	0.325
17	48058862	rs2467486	48192021	rs4451995	0.310
17	48058862	rs2467486	48196285	rs11871098	0.318
17	48072908	rs1492227	48093607	rs2452247	0.878
17	48072908	rs1492227	48093793	rs2452248	0.899
17	48072908	rs1492227	48094974	rs1907667	0.899
17	48072908	rs1492227	48096000	rs2452249	0.889
17	48072908	rs1492227	48121473	rs10515023	0.335
17	48072908	rs1492227	48192021	rs4451995	0.323
17	48072908	rs1492227	48196285	rs11871098	0.330
17	48093607	rs2452247	48093793	rs2452248	0.977
17	48093607	rs2452247	48094974	rs1907667	0.977
17	48093607	rs2452247	48096000	rs2452249	0.966
17	48093607	rs2452247	48121473	rs10515023	0.413
17	48093607	rs2452247	48192021	rs4451995	0.449
17	48093607	rs2452247	48196285	rs11871098	0.459
17	48093793	rs2452248	48094974	rs1907667	1.000
17	48093793	rs2452248	48096000	rs2452249	0.989
17	48093793	rs2452248	48121473	rs10515023	0.406
17	48093793	rs2452248	48192021	rs4451995	0.403
17	48093793	rs2452248	48196285	rs11871098	0.412
17	48094974	rs1907667	48096000	rs2452249	0.989
17	48094974	rs1907667	48121473	rs10515023	0.406
17	48094974	rs1907667	48192021	rs4451995	0.403
17	48094974	rs1907667	48196285	rs11871098	0.412
17	48096000	rs2452249	48121473	rs10515023	0.401
17	48096000	rs2452249	48192021	rs4451995	0.396
17	48096000	rs2452249	48196285	rs11871098	0.405
17	48121473	rs10515023	48205748	rs10515026	0.343
17	48192021	rs4451995	48196285	rs11871098	0.989
17	48192021	rs4451995	48205748	rs10515026	0.252

17	48196285	rs11871098	48205748	rs10515026	0.255
17	48664476	rs807072	48666911	rs1607974	0.913
17	48664476	rs807072	48669406	rs9898437	0.932
17	48666911	rs1607974	48669406	rs9898437	0.981
17	49663220	rs979800	49667564	rs1396087	0.887
17	50956167	rs6504972	50962748	rs12940304	0.894
17	50956167	rs6504972	50963972	rs1396214	0.272
17	50956167	rs6504972	50976491	rs7220324	0.769
17	50956167	rs6504972	50976704	rs1876520	0.687
17	50956167	rs6504972	50978009	rs4239197	0.749
17	50956167	rs6504972	50995441	rs878601	0.270
17	50956167	rs6504972	50999345	rs8067664	0.473
17	50962748	rs12940304	50963972	rs1396214	0.248
17	50962748	rs12940304	50976491	rs7220324	0.707
17	50962748	rs12940304	50976704	rs1876520	0.619
17	50962748	rs12940304	50978009	rs4239197	0.687
17	50962748	rs12940304	50995441	rs878601	0.262
17	50962748	rs12940304	50999345	rs8067664	0.411
17	50963972	rs1396214	50976491	rs7220324	0.202
17	50963972	rs1396214	50978009	rs4239197	0.205
17	50963972	rs1396214	50995441	rs878601	0.626
17	50963972	rs1396214	50999345	rs8067664	0.310
17	50963972	rs1396214	51004530	rs8080325	0.436
17	50963972	rs1396214	51004571	rs8080344	0.436
17	50976491	rs7220324	50976704	rs1876520	0.903
17	50976491	rs7220324	50978009	rs4239197	0.955
17	50976491	rs7220324	50995441	rs878601	0.260
17	50976491	rs7220324	50999345	rs8067664	0.551
17	50976491	rs7220324	51009466	rs7211277	0.377
17	50976491	rs7220324	51009547	rs7211426	0.377
17	50976491	rs7220324	51020804	rs986959	0.488
17	50976704	rs1876520	50978009	rs4239197	0.957
17	50976704	rs1876520	50995441	rs878601	0.226
17	50976704	rs1876520	50999345	rs8067664	0.479
17	50976704	rs1876520	51009466	rs7211277	0.476
17	50976704	rs1876520	51009547	rs7211426	0.476
17	50976704	rs1876520	51020804	rs986959	0.498
17	50978009	rs4239197	50995441	rs878601	0.263
17	50978009	rs4239197	50999345	rs8067664	0.542
17	50978009	rs4239197	51009466	rs7211277	0.439
17	50978009	rs4239197	51009547	rs7211426	0.439
17	50978009	rs4239197	51020804	rs986959	0.496
17	50978009	rs4239197	51025593	rs9912785	0.429
17	50995441	rs878601	50999345	rs8067664	0.259

17	50995441	rs878601	51004530	rs8080325	0.368
17	50995441	rs878601	51004571	rs8080344	0.368
17	50995441	rs878601	51009466	rs7211277	0.203
17	50995441	rs878601	51009547	rs7211426	0.203
17	50995441	rs878601	51020804	rs986959	0.224
17	50995441	rs878601	51021347	rs17819647	0.348
17	50995441	rs878601	51025593	rs9912785	0.204
17	50995441	rs878601	51041857	rs9905891	0.215
17	50999345	rs8067664	51004530	rs8080325	0.201
17	50999345	rs8067664	51004571	rs8080344	0.201
17	50999345	rs8067664	51020804	rs986959	0.236
17	51004530	rs8080325	51004571	rs8080344	1.000
17	51004530	rs8080325	51021347	rs17819647	0.919
17	51004571	rs8080344	51021347	rs17819647	0.919
17	51004571	rs8080344	51077176	rs16956163	0.628
17	51009466	rs7211277	51009547	rs7211426	1.000
17	51009466	rs7211277	51020804	rs986959	0.822
17	51009466	rs7211277	51025593	rs9912785	0.948
17	51009466	rs7211277	51041857	rs9905891	0.965
17	51009466	rs7211277	51055766	rs9891412	0.949
17	51009466	rs7211277	51070449	rs9907033	0.872
17	51009466	rs7211277	51077176	rs16956163	0.294
17	51009547	rs7211426	51020804	rs986959	0.822
17	51009547	rs7211426	51025593	rs9912785	0.948
17	51009547	rs7211426	51041857	rs9905891	0.965
17	51009547	rs7211426	51055766	rs9891412	0.949
17	51009547	rs7211426	51070449	rs9907033	0.872
17	51009547	rs7211426	51077176	rs16956163	0.294
17	51020804	rs986959	51025593	rs9912785	0.785
17	51020804	rs986959	51041857	rs9905891	0.793
17	51020804	rs986959	51055766	rs9891412	0.767
17	51020804	rs986959	51070449	rs9907033	0.739
17	51020804	rs986959	51077176	rs16956163	0.295
17	51021347	rs17819647	51077176	rs16956163	0.659
17	51025593	rs9912785	51041857	rs9905891	0.982
17	51025593	rs9912785	51055766	rs9891412	0.948
17	51025593	rs9912785	51070449	rs9907033	0.870
17	51025593	rs9912785	51077176	rs16956163	0.323
17	51041857	rs9905891	51055766	rs9891412	0.965
17	51041857	rs9905891	51070449	rs9907033	0.886
17	51041857	rs9905891	51077176	rs16956163	0.308
17	51055766	rs9891412	51070449	rs9907033	0.922
17	51055766	rs9891412	51077176	rs16956163	0.321
17	51070449	rs9907033	51077176	rs16956163	0.346

17	52113556	rs1879143	52113654	rs887088	0.752
17	52773732	rs792402	52784443	rs792387	0.232
17	52784443	rs792387	52790274	rs9904395	0.301
17	56055974	rs7208331	56939347	rs10853034	0.230
17	57602509	rs12451501	57618904	rs4968413	0.203
17	57602509	rs12451501	57618993	rs4968414	0.235
17	57618904	rs4968413	57618993	rs4968414	0.979
17	60684655	rs9915678	60686487	rs17689972	0.210
17	60684655	rs9915678	60731999	rs17763899	0.505
17	60684655	rs9915678	60732937	rs9910773	0.357
17	60684655	rs9915678	60754695	rs41390346	0.293
17	60686487	rs17689972	60731999	rs17763899	0.661
17	60686487	rs17689972	60732937	rs9910773	0.378
17	60686487	rs17689972	60754695	rs41390346	0.661
17	60731999	rs17763899	60732937	rs9910773	0.645
17	60731999	rs17763899	60754695	rs41390346	0.622
17	60732937	rs9910773	60754695	rs41390346	0.371
17	60878885	rs9910440	60878953	rs9908987	0.344
17	61948969	rs956952	61949724	rs16959508	0.989
17	61948969	rs956952	61952114	rs16959514	0.358
17	61949724	rs16959508	61952114	rs16959514	0.371
17	65575226	rs1013996	65605507	rs10221235	0.249
17	65581802	rs3760393	65605507	rs10221235	0.256
17	69257571	rs2683165	69257822	rs2683164	0.545
17	74467863	rs11654023	74468926	rs8074370	0.897
18	983637	rs9954574	998431	rs789073	0.787
18	3732572	rs3745050	3732713	rs11873533	0.980
18	3732572	rs3745050	3736382	rs1815957	0.904
18	3732713	rs11873533	3736382	rs1815957	0.901
18	4646266	rs7243287	4696335	rs11081144	0.626
18	4646266	rs7243287	4700778	rs1940848	0.594
18	4646266	rs7243287	4720655	rs4797180	0.316
18	4646266	rs7243287	4720882	rs8091193	0.599
18	4696335	rs11081144	4700778	rs1940848	0.944
18	4696335	rs11081144	4720655	rs4797180	0.533
18	4696335	rs11081144	4720882	rs8091193	0.929
18	4700778	rs1940848	4720655	rs4797180	0.531
18	4700778	rs1940848	4720882	rs8091193	0.912
18	4720655	rs4797180	4720882	rs8091193	0.575
18	6272593	rs403814	6277726	rs1452539	0.909
18	6272593	rs403814	6284119	rs3898848	0.635
18	6272593	rs403814	6318558	rs17502069	0.457
18	6272593	rs403814	6327489	rs186884	0.851
18	6277726	rs1452539	6284119	rs3898848	0.717

18	6277726	rs1452539	6318558	rs17502069	0.496
18	6277726	rs1452539	6327489	rs186884	0.880
18	6284119	rs3898848	6318558	rs17502069	0.624
18	6284119	rs3898848	6327489	rs186884	0.609
18	6318558	rs17502069	6327489	rs186884	0.458
18	6967044	rs658121	6967110	rs1790518	0.974
18	6967044	rs658121	6968725	rs686378	0.762
18	6967110	rs1790518	6968725	rs686378	0.758
18	7205275	rs8094220	7214416	rs9966939	0.951
18	7937846	rs7239786	8128090	rs687245	0.290
18	8116599	rs663105	8128090	rs687245	0.839
18	8491545	rs12457756	8493565	rs12454304	0.275
18	9019558	rs9973176	9019580	rs6506633	0.521
18	9541028	rs745218	9567981	rs9946612	0.871
18	10914184	rs264271	10915419	rs264270	1.000
18	10914184	rs264271	10916135	rs264268	1.000
18	10914184	rs264271	10918393	rs264263	0.965
18	10915419	rs264270	10916135	rs264268	1.000
18	10915419	rs264270	10918393	rs264263	0.965
18	10916135	rs264268	10918393	rs264263	0.965
18	11001381	rs3246	11003889	rs1471671	0.363
18	11001381	rs3246	11010599	rs2625358	0.286
18	11003889	rs1471671	11010599	rs2625358	0.783
18	11764500	rs2161961	11792991	rs9303749	0.680
18	12769947	rs2542151	12787694	rs2847297	0.299
18	12769947	rs2542151	12867060	rs7234029	0.236
18	12787694	rs2847297	12867060	rs7234029	0.358
18	13729959	rs8097240	13736992	rs1942672	0.990
18	13729959	rs8097240	13750954	rs11659762	1.000
18	13736992	rs1942672	13750954	rs11659762	0.991
18	13839297	rs6505850	13842419	rs948324	0.634
18	13842419	rs948324	13861956	rs1941092	0.279
18	20148975	rs12709785	20154446	rs2588567	0.820
18	20539276	rs11873809	20653546	rs17203977	0.372
18	20813646	rs17798760	20841181	rs8090665	0.315
18	22621571	rs11663064	22664983	rs16958776	0.356
18	23402923	rs16943751	23445921	rs16943845	0.785
18	23402923	rs16943751	23493453	rs16943923	0.306
18	23445921	rs16943845	23493453	rs16943923	0.329
18	24426085	rs11663444	24482485	rs6508558	0.864
18	28053311	rs10502585	28075158	rs9963993	0.978
18	28095530	rs16962918	28119201	rs16962971	0.911
18	28554107	rs12456916	28554420	rs12456996	0.848
18	28554107	rs12456916	28554509	rs12454409	0.965

18	28554420	rs12456996	28554509	rs12454409	0.878
18	29564414	rs1389535	29569876	rs9956918	0.789
18	29564414	rs1389535	29576276	rs6507060	0.833
18	29564414	rs1389535	29582718	rs9947894	0.815
18	29564414	rs1389535	29612489	rs1565784	0.786
18	29564414	rs1389535	29642678	rs12958029	0.505
18	29564414	rs1389535	29643863	rs12457802	0.620
18	29569876	rs9956918	29576276	rs6507060	0.790
18	29569876	rs9956918	29582718	rs9947894	0.736
18	29569876	rs9956918	29612489	rs1565784	0.688
18	29569876	rs9956918	29642678	rs12958029	0.510
18	29569876	rs9956918	29643863	rs12457802	0.615
18	29576276	rs6507060	29582718	rs9947894	0.857
18	29576276	rs6507060	29612489	rs1565784	0.798
18	29576276	rs6507060	29642678	rs12958029	0.433
18	29576276	rs6507060	29643863	rs12457802	0.603
18	29582718	rs9947894	29612489	rs1565784	0.931
18	29582718	rs9947894	29642678	rs12958029	0.477
18	29582718	rs9947894	29643863	rs12457802	0.655
18	29612489	rs1565784	29642678	rs12958029	0.476
18	29612489	rs1565784	29643863	rs12457802	0.644
18	29642678	rs12958029	29643863	rs12457802	0.479
18	33911399	rs16969649	33914511	rs8091939	0.984
18	33911399	rs16969649	33924324	rs979433	0.624
18	33911399	rs16969649	33927540	rs12150709	0.624
18	33911399	rs16969649	33941894	rs9952844	0.685
18	33914511	rs8091939	33924324	rs979433	0.631
18	33914511	rs8091939	33927540	rs12150709	0.631
18	33914511	rs8091939	33941894	rs9952844	0.694
18	33914511	rs8091939	34016459	rs9950528	0.206
18	33924324	rs979433	33927540	rs12150709	1.000
18	33924324	rs979433	33941894	rs9952844	0.829
18	33927540	rs12150709	33941894	rs9952844	0.829
18	34283162	rs11665456	34283363	rs9304191	0.969
18	34287621	rs16970229	34290429	rs867752	0.687
18	34287621	rs16970229	34307641	rs16970360	0.862
18	34290429	rs867752	34307641	rs16970360	0.594
18	38200013	rs346443	38395988	rs12373388	0.265
18	38579747	rs598658	38580258	rs567325	0.984
18	39650092	rs16977675	39650277	rs12458722	0.990
18	39650092	rs16977675	39651882	rs1380834	0.961
18	39650277	rs12458722	39651882	rs1380834	0.971
18	40269659	rs8087876	40287441	rs16978001	0.622
18	40269659	rs8087876	40291585	rs2063503	0.569

18	40269659	rs8087876	40298960	rs7230479	0.844
18	40269659	rs8087876	40302212	rs9957037	0.979
18	40269659	rs8087876	40309270	rs2359894	0.990
18	40269659	rs8087876	40322004	rs12605825	0.540
18	40269659	rs8087876	40331423	rs12456054	0.298
18	40269659	rs8087876	40340980	rs8084507	0.827
18	40287441	rs16978001	40291585	rs2063503	0.975
18	40287441	rs16978001	40298960	rs7230479	0.550
18	40287441	rs16978001	40302212	rs9957037	0.627
18	40287441	rs16978001	40309270	rs2359894	0.620
18	40287441	rs16978001	40322004	rs12605825	0.266
18	40287441	rs16978001	40331423	rs12456054	0.473
18	40287441	rs16978001	40340980	rs8084507	0.539
18	40291585	rs2063503	40298960	rs7230479	0.502
18	40291585	rs2063503	40302212	rs9957037	0.574
18	40291585	rs2063503	40309270	rs2359894	0.568
18	40291585	rs2063503	40322004	rs12605825	0.240
18	40291585	rs2063503	40331423	rs12456054	0.488
18	40291585	rs2063503	40340980	rs8084507	0.492
18	40298960	rs7230479	40302212	rs9957037	0.845
18	40298960	rs7230479	40309270	rs2359894	0.853
18	40298960	rs7230479	40322004	rs12605825	0.446
18	40298960	rs7230479	40331423	rs12456054	0.264
18	40298960	rs7230479	40340980	rs8084507	0.980
18	40302212	rs9957037	40309270	rs2359894	0.990
18	40302212	rs9957037	40322004	rs12605825	0.547
18	40302212	rs9957037	40331423	rs12456054	0.308
18	40302212	rs9957037	40340980	rs8084507	0.828
18	40309270	rs2359894	40322004	rs12605825	0.541
18	40309270	rs2359894	40331423	rs12456054	0.304
18	40309270	rs2359894	40340980	rs8084507	0.836
18	40322004	rs12605825	40331423	rs12456054	0.546
18	40322004	rs12605825	40340980	rs8084507	0.437
18	40331423	rs12456054	40340980	rs8084507	0.259
18	43305157	rs8091926	43335567	rs16954613	0.509
18	43860140	rs7504329	43865465	rs6507802	0.237
18	44233865	rs4939776	44235524	rs5029382	0.827
18	44233865	rs4939776	44272557	rs1512177	0.532
18	44235524	rs5029382	44272557	rs1512177	0.460
18	44970083	rs4939846	45024184	rs11661691	0.223
18	44970083	rs4939846	45027558	rs11662738	0.284
18	45024184	rs11661691	45027558	rs11662738	0.726
18	47962726	rs4423510	47984154	rs12456856	0.629
18	52746016	rs7237084	52783500	rs9954313	0.744

18	53313517	rs4940804	53340294	rs7235134	0.500
18	53666463	rs17759803	53683532	rs3897751	0.395
18	54694937	rs12969520	54697058	rs17694691	0.569
18	54697058	rs17694691	54730364	rs11872224	0.275
18	55230517	rs8088790	55238263	rs9319950	0.823
18	55230517	rs8088790	55249616	rs7230906	0.820
18	55238263	rs9319950	55249616	rs7230906	0.853
18	55508632	rs1429577	55511113	rs2852356	0.842
18	56338128	rs881474	56362278	rs17067050	0.808
18	57350414	rs9783862	57357460	rs11875000	0.895
18	57623326	rs9960910	57627449	rs9963722	0.412
18	57798480	rs2116334	57798816	rs1346949	0.676
18	57798480	rs2116334	57811523	rs1431583	0.735
18	57798480	rs2116334	57811870	rs1431584	0.988
18	57798480	rs2116334	57886440	rs1030582	0.278
18	57798480	rs2116334	57886973	rs17634631	0.813
18	57798480	rs2116334	57925017	rs9319997	0.813
18	57798480	rs2116334	57927708	rs17641823	0.813
18	57798816	rs1346949	57811523	rs1431583	0.660
18	57798816	rs1346949	57811870	rs1431584	0.668
18	57798816	rs1346949	57886973	rs17634631	0.563
18	57798816	rs1346949	57925017	rs9319997	0.563
18	57798816	rs1346949	57927708	rs17641823	0.563
18	57811523	rs1431583	57811870	rs1431584	0.745
18	57811523	rs1431583	57886973	rs17634631	0.611
18	57811523	rs1431583	57925017	rs9319997	0.611
18	57811523	rs1431583	57927708	rs17641823	0.611
18	57811870	rs1431584	57886440	rs1030582	0.285
18	57811870	rs1431584	57886973	rs17634631	0.822
18	57811870	rs1431584	57925017	rs9319997	0.822
18	57811870	rs1431584	57927708	rs17641823	0.822
18	57886440	rs1030582	57886973	rs17634631	0.286
18	57886440	rs1030582	57925017	rs9319997	0.286
18	57886440	rs1030582	57927708	rs17641823	0.286
18	57886973	rs17634631	57925017	rs9319997	1.000
18	57886973	rs17634631	57927708	rs17641823	1.000
18	57925017	rs9319997	57927708	rs17641823	1.000
18	61626782	rs7244664	61627079	rs1994230	0.406
18	61626782	rs7244664	61736852	rs205084	0.339
18	61627079	rs1994230	61736852	rs205084	0.232
18	64662990	rs1893438	64663123	rs1539896	0.799
18	66933645	rs17181300	67045771	rs17193525	0.247
18	67014919	rs8098181	67022529	rs4599012	0.833
18	67014919	rs8098181	67045771	rs17193525	0.646

18	67014919	rs8098181	67097075	rs17281295	0.802
18	67022529	rs4599012	67045771	rs17193525	0.508
18	67022529	rs4599012	67097075	rs17281295	0.633
18	67045771	rs17193525	67097075	rs17281295	0.713
18	67591733	rs8094687	67593046	rs17225992	0.963
18	68900356	rs2469032	68926719	rs11661950	0.245
18	68900356	rs2469032	68926813	rs11661997	0.245
18	68900356	rs2469032	68942375	rs1503024	0.367
18	68926719	rs11661950	68926813	rs11661997	1.000
18	68926719	rs11661950	68942375	rs1503024	0.547
18	68926813	rs11661997	68942375	rs1503024	0.547
18	69452130	rs2703496	69473486	rs8095367	0.237
18	69452130	rs2703496	69473702	rs4892122	0.598
18	69452130	rs2703496	69473773	rs17763239	0.237
18	69452130	rs2703496	69473889	rs17763263	0.237
18	69452130	rs2703496	69478734	rs6566752	0.315
18	69452130	rs2703496	69498117	rs8092542	0.489
18	69452130	rs2703496	69498407	rs9953978	0.496
18	69473486	rs8095367	69473702	rs4892122	0.339
18	69473486	rs8095367	69473773	rs17763239	1.000
18	69473486	rs8095367	69473889	rs17763263	1.000
18	69473486	rs8095367	69478734	rs6566752	0.566
18	69473486	rs8095367	69498117	rs8092542	0.342
18	69473486	rs8095367	69498407	rs9953978	0.321
18	69473702	rs4892122	69473773	rs17763239	0.339
18	69473702	rs4892122	69473889	rs17763263	0.339
18	69473702	rs4892122	69478734	rs6566752	0.568
18	69473702	rs4892122	69498117	rs8092542	0.590
18	69473702	rs4892122	69498407	rs9953978	0.577
18	69473773	rs17763239	69473889	rs17763263	1.000
18	69473773	rs17763239	69478734	rs6566752	0.566
18	69473773	rs17763239	69498117	rs8092542	0.342
18	69473773	rs17763239	69498407	rs9953978	0.321
18	69473889	rs17763263	69478734	rs6566752	0.566
18	69473889	rs17763263	69498117	rs8092542	0.342
18	69473889	rs17763263	69498407	rs9953978	0.321
18	69478734	rs6566752	69498117	rs8092542	0.347
18	69478734	rs6566752	69498407	rs9953978	0.334
18	69498117	rs8092542	69498407	rs9953978	0.966
18	71628170	rs1460280	71629102	rs11659458	0.307
18	71628170	rs1460280	71632405	rs7239549	0.758
18	71628170	rs1460280	71634911	rs4387675	0.774
18	71628170	rs1460280	71635578	rs2187254	0.299
18	71629102	rs11659458	71632405	rs7239549	0.219

18	71629102	rs11659458	71634911	rs4387675	0.211
18	71629102	rs11659458	71635578	rs2187254	0.993
18	71632405	rs7239549	71634911	rs4387675	0.985
18	71632405	rs7239549	71635578	rs2187254	0.211
18	71634911	rs4387675	71635578	rs2187254	0.204
18	71846998	rs7245337	71852221	rs11150924	0.927
18	71982132	rs12969990	71984454	rs10514206	1.000
18	72603831	rs8083046	72620941	rs8088596	0.327
18	72613722	rs4890871	72617268	rs2406342	0.875
18	72613722	rs4890871	72620941	rs8088596	0.512
18	72617268	rs2406342	72620941	rs8088596	0.472
18	72985760	rs1789114	72989671	rs2051408	0.946
18	72985760	rs1789114	72995306	rs1789101	0.671
18	72989671	rs2051408	72995306	rs1789101	0.670
18	74518948	rs11081641	74530754	rs2931057	0.840
18	76001711	rs6506808	76037763	rs2030336	0.831
18	76001711	rs6506808	76103230	rs6506819	0.630
18	76037763	rs2030336	76103230	rs6506819	0.788
19	11745524	rs435368	11752003	rs799193	0.233
19	13216068	rs12052059	13216633	rs12611029	0.462
19	13216068	rs12052059	13217380	rs2302080	0.332
19	13216633	rs12611029	13217380	rs2302080	0.698
19	19148901	rs1050544	19158292	rs3787040	0.598
19	20806839	rs431157	20949730	rs9304978	0.543
19	21182564	rs7254957	21257662	rs279807	0.299
19	22696967	rs12973782	22700751	rs12980129	0.637
19	23531320	rs2195962	23534946	rs2217662	0.450
19	23531320	rs2195962	23620564	rs10417223	0.206
19	34456548	rs12460892	34468249	rs6509333	0.702
19	34456548	rs12460892	34472578	rs759632	0.498
19	34456548	rs12460892	34475403	rs10406799	0.759
19	34456548	rs12460892	34476307	rs11083894	0.576
19	34456548	rs12460892	34480470	rs17624382	0.488
19	34468249	rs6509333	34472578	rs759632	0.760
19	34468249	rs6509333	34475403	rs10406799	0.794
19	34468249	rs6509333	34476307	rs11083894	0.678
19	34468249	rs6509333	34480470	rs17624382	0.578
19	34472578	rs759632	34475403	rs10406799	0.588
19	34472578	rs759632	34476307	rs11083894	0.892
19	34472578	rs759632	34480470	rs17624382	0.798
19	34475403	rs10406799	34476307	rs11083894	0.688
19	34475403	rs10406799	34480470	rs17624382	0.693
19	34476307	rs11083894	34480470	rs17624382	0.896
19	36363983	rs8107562	36372570	rs1353534	0.824

19	36363983	rs8107562	36372820	rs1353535	0.824
19	36363983	rs8107562	36398251	rs8109968	0.689
19	36372570	rs1353534	36372820	rs1353535	0.980
19	36372570	rs1353534	36398251	rs8109968	0.605
19	36372820	rs1353535	36398251	rs8109968	0.605
19	38762105	rs1428669	38786025	rs7255249	0.313
19	43726908	rs10500279	43740003	rs2960321	0.350
19	58740763	rs10411772	58741116	rs16960015	0.867
19	60957621	rs4801624	60960908	rs10426177	0.373
19	62689746	rs6510081	62771618	rs10407412	0.292
19	62689746	rs6510081	62773680	rs10414608	0.295
19	62689746	rs6510081	62784856	rs10405036	0.206
19	62771618	rs10407412	62773680	rs10414608	0.958
19	62771618	rs10407412	62784856	rs10405036	0.879
19	62773680	rs10414608	62784856	rs10405036	0.879
20	2302886	rs2422740	2303387	rs2422741	0.948
20	7539005	rs6055172	7539377	rs6133443	0.837
20	7539005	rs6055172	7578428	rs17403161	0.349
20	7539377	rs6133443	7578428	rs17403161	0.431
20	10165497	rs363029	10166376	rs2327267	0.887
20	10165497	rs363029	10166958	rs363035	0.887
20	10166376	rs2327267	10166958	rs363035	1.000
20	11156822	rs6040446	11180291	rs2327367	0.548
20	11156822	rs6040446	11180689	rs6040477	0.548
20	11180291	rs2327367	11180689	rs6040477	1.000
20	11445272	rs2180286	11448108	rs6104763	0.301
20	12429269	rs6078631	12429805	rs17225893	0.756
20	12429269	rs6078631	12438269	rs10485757	0.407
20	12429269	rs6078631	12453962	rs6041427	0.213
20	12429805	rs17225893	12438269	rs10485757	0.444
20	12429805	rs17225893	12453962	rs6041427	0.217
20	12438269	rs10485757	12453962	rs6041427	0.296
20	13087821	rs1321255	13089809	rs6033633	0.666
20	15343353	rs13039585	15376111	rs11698317	0.446
20	17405674	rs761018	17419061	rs1076688	0.333
20	19294184	rs6046024	19396935	rs6075513	0.264
20	19999890	rs200184	20006992	rs6136938	0.456
20	20246483	rs1000269	20251376	rs6046790	0.974
20	21539481	rs1024207	21567273	rs6082475	0.784
20	21539481	rs1024207	21662807	rs2424400	0.392
20	21539481	rs1024207	22364829	rs6048084	0.223
20	21567273	rs6082475	21662807	rs2424400	0.389
20	21772282	rs8122229	21866288	rs2328682	0.517
20	21772282	rs8122229	22063729	rs804516	0.236

20	22038387	rs201149	22063729	rs804516	0.896
20	22063729	rs804516	22364829	rs6048084	0.221
20	22384129	rs6048105	22389124	rs6036119	0.967
20	24009950	rs858141	24088355	rs6049453	0.655
20	24009950	rs858141	24102710	rs6049471	0.655
20	24009950	rs858141	24107265	rs6049473	0.473
20	24009950	rs858141	24135337	rs2749424	0.449
20	24088355	rs6049453	24102710	rs6049471	0.982
20	24088355	rs6049453	24107081	rs8116594	0.338
20	24088355	rs6049453	24107265	rs6049473	0.810
20	24088355	rs6049453	24135337	rs2749424	0.773
20	24102710	rs6049471	24107081	rs8116594	0.318
20	24102710	rs6049471	24107265	rs6049473	0.794
20	24102710	rs6049471	24135337	rs2749424	0.740
20	24107081	rs8116594	24107265	rs6049473	0.484
20	24107081	rs8116594	24135337	rs2749424	0.473
20	24107265	rs6049473	24135337	rs2749424	0.936
20	24996940	rs2387577	25009308	rs4815368	0.516
20	24996940	rs2387577	25044494	rs2387578	0.411
20	30793776	rs4911252	30799639	rs2424895	0.794
20	35182308	rs1624888	35261096	rs2076398	0.813
20	35182308	rs1624888	35271786	rs2272950	0.780
20	35261096	rs2076398	35271786	rs2272950	0.972
20	35736459	rs6020113	35759937	rs16986890	0.376
20	35736459	rs6020113	35839081	rs6020846	0.674
20	35759937	rs16986890	35839081	rs6020846	0.354
20	36353805	rs6064334	36354924	rs4287822	0.943
20	38580350	rs2207131	38588283	rs6102017	0.763
20	38580350	rs2207131	38600118	rs11908206	0.476
20	38580350	rs2207131	38656901	rs17820549	0.368
20	38588283	rs6102017	38600118	rs11908206	0.576
20	38588283	rs6102017	38656901	rs17820549	0.544
20	38600118	rs11908206	38656901	rs17820549	0.543
20	39629468	rs6093496	39677351	rs7263463	0.925
20	40234897	rs1883377	40291139	rs6093598	0.700
20	40234897	rs1883377	40292402	rs6030070	0.346
20	40234897	rs1883377	40292464	rs6030071	0.333
20	40234897	rs1883377	40295037	rs1014757	0.801
20	40234897	rs1883377	40296596	rs6030076	0.349
20	40234897	rs1883377	40321219	rs6030096	0.239
20	40291139	rs6093598	40295037	rs1014757	0.597
20	40291139	rs6093598	40321219	rs6030096	0.318
20	40292402	rs6030070	40292464	rs6030071	0.976
20	40292402	rs6030070	40295037	rs1014757	0.469

20	40292402	rs6030070	40296596	rs6030076	0.879
20	40292402	rs6030070	40321219	rs6030096	0.456
20	40292464	rs6030071	40295037	rs1014757	0.455
20	40292464	rs6030071	40296596	rs6030076	0.860
20	40292464	rs6030071	40321219	rs6030096	0.467
20	40295037	rs1014757	40296596	rs6030076	0.513
20	40296596	rs6030076	40302467	rs6072667	0.210
20	40296596	rs6030076	40321219	rs6030096	0.343
20	40505433	rs6072747	40508810	rs6016798	0.558
20	41840942	rs6031097	41842957	rs1536918	0.974
20	44792815	rs998422	44801171	rs11699667	0.467
20	46712008	rs761270	46728448	rs6122713	0.231
20	47843179	rs11697517	47844836	rs11086294	0.981
20	49451402	rs2426299	49457455	rs6067758	0.618
20	49860267	rs6021460	49873461	rs6063719	0.726
20	50669622	rs6022002	50697689	rs861332	0.353
20	54336197	rs6014688	54371614	rs6024830	0.800
20	56636409	rs1977137	56637435	rs6026415	0.959
20	56636409	rs1977137	56639242	rs1569823	0.744
20	56637435	rs6026415	56639242	rs1569823	0.688
20	58247823	rs1535028	58363322	rs4305329	0.256
20	58706127	rs1201904	58736287	rs1201987	0.302
20	58706127	rs1201904	58740471	rs1201998	0.345
20	58706127	rs1201904	58740936	rs1202001	0.356
20	58706127	rs1201904	58743888	rs1202016	0.352
20	58706127	rs1201904	58748486	rs1202030	0.373
20	58706127	rs1201904	58748522	rs1202031	0.617
20	58736287	rs1201987	58740471	rs1201998	0.650
20	58736287	rs1201987	58740936	rs1202001	0.661
20	58736287	rs1201987	58743888	rs1202016	0.659
20	58736287	rs1201987	58748486	rs1202030	0.694
20	58736287	rs1201987	58748522	rs1202031	0.449
20	58740471	rs1201998	58740936	rs1202001	0.990
20	58740471	rs1201998	58743888	rs1202016	0.990
20	58740471	rs1201998	58748486	rs1202030	0.953
20	58740471	rs1201998	58748522	rs1202031	0.578
20	58740936	rs1202001	58743888	rs1202016	1.000
20	58740936	rs1202001	58748486	rs1202030	0.963
20	58740936	rs1202001	58748522	rs1202031	0.581
20	58743888	rs1202016	58748486	rs1202030	0.962
20	58743888	rs1202016	58748522	rs1202031	0.579
20	58748486	rs1202030	58748522	rs1202031	0.598
20	61001027	rs6089810	61001169	rs6011456	0.972
20	61001027	rs6089810	61010764	rs6010784	0.573

20	61001169	rs6011456	61010764	rs6010784	0.556
21	14807145	rs2049858	14807690	rs1556280	0.990
21	16125656	rs2297248	16147899	rs2823507	0.386
21	16147899	rs2823507	16470310	rs2823626	0.215
21	16147899	rs2823507	16580133	rs2823736	0.238
21	16147899	rs2823507	17099043	rs2824057	0.241
21	18209236	rs7276331	18210063	rs2824545	0.841
21	18209236	rs7276331	18212104	rs2824549	0.818
21	18209236	rs7276331	18212130	rs2824550	0.774
21	18209236	rs7276331	18237813	rs2824571	0.442
21	18209236	rs7276331	18246644	rs12626848	0.431
21	18210063	rs2824545	18212104	rs2824549	0.962
21	18210063	rs2824545	18212130	rs2824550	0.915
21	18210063	rs2824545	18237813	rs2824571	0.366
21	18210063	rs2824545	18246644	rs12626848	0.332
21	18212104	rs2824549	18212130	rs2824550	0.883
21	18212104	rs2824549	18237813	rs2824571	0.396
21	18212104	rs2824549	18246644	rs12626848	0.372
21	18212130	rs2824550	18237813	rs2824571	0.352
21	18212130	rs2824550	18246644	rs12626848	0.320
21	18237813	rs2824571	18246644	rs12626848	0.956
21	18853412	rs1740142	18878920	rs1735798	0.630
21	18853412	rs1740142	18896937	rs2824946	0.521
21	18853412	rs1740142	18914694	rs2824957	0.477
21	18878732	rs2824918	18878920	rs1735798	0.265
21	18878732	rs2824918	18896937	rs2824946	0.340
21	18878732	rs2824918	18914694	rs2824957	0.351
21	18878920	rs1735798	18896937	rs2824946	0.820
21	18878920	rs1735798	18914694	rs2824957	0.711
21	18896937	rs2824946	18914694	rs2824957	0.841
21	19483092	rs2051365	19551215	rs2825446	0.318
21	21050970	rs463419	21067008	rs2826509	0.709
21	21317961	rs8131899	21318244	rs9983588	0.726
21	21863305	rs7278655	21873271	rs41499345	0.565
21	22108903	rs2827061	22118120	rs2827076	0.875
21	22108903	rs2827061	22118163	rs2827077	0.828
21	22108903	rs2827061	22127413	rs9306034	0.590
21	22108903	rs2827061	22142443	rs2827091	0.594
21	22118120	rs2827076	22118163	rs2827077	0.988
21	22118120	rs2827076	22127413	rs9306034	0.730
21	22118120	rs2827076	22142443	rs2827091	0.718
21	22118163	rs2827077	22127413	rs9306034	0.761
21	22118163	rs2827077	22142443	rs2827091	0.749
21	22127413	rs9306034	22142443	rs2827091	0.958

21	22698343	rs2827482	22709066	rs2827511	0.435
21	22698343	rs2827482	22710258	rs2026214	0.283
21	22709066	rs2827511	22710258	rs2026214	0.509
21	23442973	rs2827909	23443841	rs2827912	1.000
21	23442973	rs2827909	23444664	rs2827915	1.000
21	23443841	rs2827912	23444664	rs2827915	0.984
21	27948923	rs9977138	27954964	rs1888433	0.914
21	29161798	rs2026242	29166748	rs1048546	0.417
21	29161798	rs2026242	29178154	rs2254638	0.688
21	29161798	rs2026242	29198282	rs2248501	0.932
21	29161798	rs2026242	29266813	rs2832147	0.570
21	29166748	rs1048546	29178154	rs2254638	0.259
21	29166748	rs1048546	29198282	rs2248501	0.402
21	29166748	rs1048546	29201887	rs2832137	0.437
21	29166748	rs1048546	29266813	rs2832147	0.299
21	29166748	rs1048546	29441956	rs8129616	0.254
21	29178154	rs2254638	29198282	rs2248501	0.717
21	29178154	rs2254638	29201887	rs2832137	0.219
21	29178154	rs2254638	29266813	rs2832147	0.458
21	29198282	rs2248501	29266813	rs2832147	0.663
21	29201887	rs2832137	29441956	rs8129616	0.520
21	29932927	rs1029224	29945889	rs11088125	0.257
21	29932927	rs1029224	29964388	rs363515	0.371
21	29939211	rs2249140	29945889	rs11088125	0.761
21	29939211	rs2249140	30073388	rs932250	0.461
21	29945889	rs11088125	30073388	rs932250	0.303
21	30062624	rs459617	30068040	rs455804	0.850
21	30062624	rs459617	30073388	rs932250	0.307
21	30068040	rs455804	30073388	rs932250	0.263
21	35040142	rs2246640	35045042	rs2834626	0.201
21	37934672	rs717859	37934847	rs2835850	0.979
21	39567960	rs7275773	39591768	rs1984748	0.887
21	39567960	rs7275773	39599185	rs8131150	1.000
21	39591768	rs1984748	39599185	rs8131150	0.887
21	39843109	rs551558	39853205	rs591457	0.945
21	40514545	rs2837512	40517596	rs444584	0.707
21	40514545	rs2837512	40518055	rs376508	0.707
21	40514545	rs2837512	40518170	rs447940	0.705
21	40514545	rs2837512	40520243	rs435386	0.699
21	40514545	rs2837512	40532666	rs1882758	0.724
21	40514545	rs2837512	40543968	rs4818122	0.625
21	40514545	rs2837512	40544164	rs2837534	0.661
21	40514545	rs2837512	40545039	rs2222979	0.672
21	40517596	rs444584	40518055	rs376508	1.000

21	40517596	rs444584	40518170	rs447940	1.000
21	40517596	rs444584	40520243	rs435386	0.991
21	40517596	rs444584	40532666	rs1882758	0.915
21	40517596	rs444584	40543968	rs4818122	0.700
21	40517596	rs444584	40544164	rs2837534	0.796
21	40517596	rs444584	40545039	rs2222979	0.819
21	40518055	rs376508	40518170	rs447940	1.000
21	40518055	rs376508	40520243	rs435386	0.991
21	40518055	rs376508	40532666	rs1882758	0.915
21	40518055	rs376508	40543968	rs4818122	0.700
21	40518055	rs376508	40544164	rs2837534	0.796
21	40518055	rs376508	40545039	rs2222979	0.819
21	40518170	rs447940	40520243	rs435386	0.991
21	40518170	rs447940	40532666	rs1882758	0.915
21	40518170	rs447940	40543968	rs4818122	0.698
21	40518170	rs447940	40544164	rs2837534	0.796
21	40518170	rs447940	40545039	rs2222979	0.818
21	40520243	rs435386	40532666	rs1882758	0.923
21	40520243	rs435386	40543968	rs4818122	0.703
21	40520243	rs435386	40544164	rs2837534	0.786
21	40520243	rs435386	40545039	rs2222979	0.825
21	40532666	rs1882758	40543968	rs4818122	0.766
21	40532666	rs1882758	40544164	rs2837534	0.818
21	40532666	rs1882758	40545039	rs2222979	0.897
21	40543968	rs4818122	40544164	rs2837534	0.658
21	40543968	rs4818122	40545039	rs2222979	0.746
21	40544164	rs2837534	40545039	rs2222979	0.780
21	41606914	rs2838008	41609006	rs9985079	0.833
21	41805901	rs9984523	41815778	rs8134657	0.584
21	43838712	rs2838325	43889389	rs2838334	0.328
21	43838712	rs2838325	43938057	rs762400	0.456
22	16508960	rs5747306	16511078	rs2401163	0.834
22	16508960	rs5747306	16563623	rs2587081	0.861
22	16511078	rs2401163	16563623	rs2587081	0.793
22	16687634	rs5992861	16690110	rs5992871	0.630
22	22848728	rs6004064	22862142	rs8139439	0.949
22	22848728	rs6004064	22874482	rs2267062	0.304
22	22862142	rs8139439	22874482	rs2267062	0.388
22	24563343	rs9624915	24564918	rs4822663	1.000
22	24718337	rs916425	24734101	rs9613081	0.311
22	26009808	rs542981	26378449	rs134028	0.311
22	26240138	rs9625252	26242970	rs9625253	0.549
22	27789634	rs760627	27789732	rs760628	0.699
22	27789634	rs760627	27821706	rs134661	0.267

22	27789732	rs760628	27821706	rs134661	0.314
22	32139429	rs1004811	32150256	rs8138344	0.969
22	34847878	rs1476029	34857913	rs5756080	0.483
22	34847878	rs1476029	34878352	rs132645	0.433
22	34847878	rs1476029	34882348	rs132648	0.780
22	34847878	rs1476029	34885418	rs4821460	0.395
22	34857913	rs5756080	34878352	rs132645	0.229
22	34857913	rs5756080	34882348	rs132648	0.448
22	34875772	rs132644	34878352	rs132645	0.443
22	34875772	rs132644	34882348	rs132648	0.221
22	34875772	rs132644	34885418	rs4821460	0.575
22	34878352	rs132645	34882348	rs132648	0.589
22	34878352	rs132645	34885418	rs4821460	0.840
22	34882348	rs132648	34885418	rs4821460	0.522
22	41518124	rs4820483	41556543	rs5758965	0.636
22	41518124	rs4820483	41617234	rs12166809	0.725
22	41518124	rs4820483	41635805	rs4820494	0.738
22	41518124	rs4820483	41679576	rs1071960	0.312
22	41556543	rs5758965	41617234	rs12166809	0.860
22	41556543	rs5758965	41635805	rs4820494	0.868
22	41556543	rs5758965	41679576	rs1071960	0.418
22	41617234	rs12166809	41635805	rs4820494	0.981
22	41617234	rs12166809	41679576	rs1071960	0.462
22	41635805	rs4820494	41679576	rs1071960	0.478
22	41839790	rs1883264	41848268	rs4988406	0.443
22	41839790	rs1883264	41857625	rs11574528	0.506
22	41848268	rs4988406	41857625	rs11574528	0.747
22	46043258	rs136646	46043490	rs80454	0.872
22	46989892	rs8137558	46990410	rs9615801	0.917
22	46989892	rs8137558	46990520	rs9615287	0.903
22	46989892	rs8137558	46997362	rs7287281	0.468
22	46990410	rs9615801	46990520	rs9615287	0.986
22	46990410	rs9615801	46997362	rs7287281	0.454
22	46990520	rs9615287	46997362	rs7287281	0.461
22	47868868	rs6009160	47872695	rs9616423	0.333

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