

Supplementary Table 1. List of SNPs for body mass index (BMI) and their effect on logTEWL

SNP	Sample Size	List of BMI SNPs from GIANT Consortium 2018			Locke et al + UKBiobank		Effect Allele	Other Allele	Missing SNPs	LD(r2)	BMI_SNP _s Effect Allele	Other Allele	Beta_BMI	Effects of BMI SNPs on skin physio (using current dataset)									
		Chromosome	Position	Position	Position	Effect Allele								Other Allele	seBeta_BMI	p-value_BMI	Beta_logTEWL	seBeta_logTEWL	p-value_logTEWL	Beta_logmois	seBeta_logmois	p-value_logmois	Beta_logH
rs1000096	656860	4	38692835 C	A						rs1000096 T	C	0.5696	1.4459	0.6900	0.0126	0.0082	0.1300	-0.0068038	0.0164843	0.68	-6.2933E-05	0.0039886	0.99
rs100094C	794558	17	5283252 G	T						rs100094A	C	0.1759	1.2276	0.8900	-0.0163	0.0070	0.0200	-0.0068894	0.0140228	0.62	-0.0048977	0.0039697	0.89
rs1003081	788712	11	118913993 T	C						rs1003081 A	T	0.3345	1.3722	0.8100	-0.0050	0.0079	0.5300	0.0134442	0.0156923	0.39	0.00185379	0.0037899	0.62
rs1003528	689769	5	153095918 A	G						rs1003528A	C	1.5873	2.1636	0.4600	0.0102	0.0123	0.4100	-0.0414231	0.0245718	0.092	-0.00056436	0.00593454	0.92
rs1003704	680227	5	88219964 G	A																			
rs1006353	790767	13	28047269 A	G																			
rs1006683	662130	5	151254297 T	C						rs1006683 T	C	2.2336	4.6377	0.6300	-0.0027	0.0266	0.9200	-0.0502481	0.053115	0.34	0.000610012	0.0131692	0.96
rs100838C	690845	16	671400 C	T						rs10083803 C	C	0.4741	1.3555	0.7300	-0.0075	0.0276	0.3300	-0.0025651	0.0155114	0.81	0.000182971	0.00374674	0.96
rs1011072	551363	8	14324437 A	G						rs7815841	G	1.9222	1.8761	0.3100	0.0011	0.0107	0.9200	-0.0409542	0.0214002	0.056	-0.00255731	0.00519147	0.62
rs101187C	692315	9	103061366 G	A						rs5029343	C	2.0825	1.7454	0.2300	0.0049	0.0100	0.6200	0.00625474	0.0199221	0.75	0.00702788	0.00486365	0.15
rs1013185	691777	14	97258752 C	A																			
rs1013228	786578	14	25928179 C	A						rs10132280 C	A	4.6079	2.1639	0.0330	0.0142	0.0124	0.2500	0.049652	0.0247524	0.045	-0.0007806	0.00594198	0.9
rs1014194	686107	5	168192944 A	G						rs1014194 C	A	1.3936	1.2230	0.2500	-0.0132	0.0070	0.0590	0.0136006	0.0139911	0.33	-0.00294194	0.00337058	0.38
rs1014312	686402	3	135621417 C	G																			
rs1014652	781339	14	79498850 T	C						rs1014652 T	C	1.1481	1.4822	0.4400	-0.0018	0.0085	0.8300	0.0266222	0.0168974	0.12	0.00151089	0.00409065	0.71
rs1015362	692525	20	327138612 C	T						rs1015362 C	T	1.4947	1.5762	0.3400	0.0132	0.0090	0.1400	-0.0043774	0.0180055	0.81	-0.00263387	0.00437445	0.55
rs1015363	687260	20	32738335 G	A						rs11700255	A	1.9402	1.7083	0.2600	-0.0116	0.0097	0.2300	-0.0060141	0.0194501	0.76	-0.00325405	0.0047398	0.49
rs1016815	689662	2	51834839 G	C						rs11700255 T	G	0.5132	1.3482	0.7000	0.0009	0.0077	0.9100	0.0201479	0.0153926	0.19	0.00364321	0.0037456	0.33
rs1018218	792111	2	25150296 G	A						rs10182181 A	G	0.4013	1.2171	0.7400	-0.0008	0.0069	0.9100	-0.0032633	0.0138897	0.81	0.000693228	0.0035198	0.84
rs1019033	527668	2	61619267 T	G						rs10190332 G	T	0.9483	1.2888	0.4600	-0.0056	0.0073	0.4400	-0.00393821	0.0146824	0.79	0.00592156	0.00356491	0.997
rs1020327	690127	2	102496700 A	G						rs10203277 G	A	0.1876	1.5649	0.9000	0.0128	0.0090	0.1500	0.0336958	0.0179005	0.06	-0.00446314	0.00436243	0.31
rs1020546	688748	6	56810539 G	A																			
rs1021105	686577	2	229016917 C	T																			
rs1026805	794416	7	44522617 C	T						rs10268050 C	T	1.8875	4.6247	0.6800	0.0145	0.0266	0.5800	-0.0349953	0.0529244	0.51	-0.00568638	0.0127415	0.66
rs1026978	790551	7	49616203 A	G						rs10269783 G	C	0.5335	1.1894	0.6500	0.0026	0.0068	0.7000	-0.012506	0.0135624	0.36	-0.00070188	0.00327623	0.83
rs1027504	610254	7	1273845 T	A																			
rs103501C	637868	7	69598328 T	C						rs1035010 C	T	1.1692	1.3016	0.3700	0.0075	0.0074	0.3100	-0.0043932	0.0148317	0.77	0.00405518	0.00358987	0.26
rs1037587	687559	11	11796727 T	C						rs1037587 T	C	0.9550	1.2836	0.4600	0.0010	0.0073	0.8900	0.0208944	0.0146417	0.15	-0.00083395	0.00354837	0.81
rs1038088	794680	17	28074563 G	T						rs1038088 G	T	1.2107	1.2941	0.3500	0.0090	0.0074	0.2200	0.016549	0.0147542	0.26	-0.00149846	0.00360105	0.68
rs1040801	794820	19	33963766 T	C						rs10408013 C	T	0.6533	1.8619	0.7300	0.0057	0.0107	0.5900	-0.0029358	0.0213041	0.89	-0.00300625	0.00514181	0.56
rs1040881	691190	20	15099816 T	C						rs1040881 C	T	1.8938	4.9050	0.7000	-0.0047	0.0280	0.8700	0.0668381	0.0558644	0.23	0.0127991	0.00316027	0.35
rs104389E	686868	18	42950629 C	T																			
rs1045411	776153	13	31033232 C	T						rs1045411 C	T	1.0417	1.4320	0.4700	-0.0151	0.0082	0.0650	-0.0246306	0.0162923	0.13	0.00795487	0.00394057	0.044
rs1045663	788067	6	50763935 A	T																			
rs1045901	792142	11	55091574 A	C						rs10459012 A	C	1.0749	1.2672	0.4000	-0.0128	0.0072	0.0770	0.0107592	0.0144409	0.46	-0.00103549	0.00350866	0.77
rs104609E	793248	3	42308735 A	G						rs1799923	A	1.2748	1.3563	0.6300	-0.0129	0.0078	0.0970	-0.0051259	0.0154979	0.74	0.0094357	0.00377299	0.82
rs1046753	689848	13	54884130 C	G						rs4883848	C	0.9874	1.8930	0.4000	-0.0123	0.0108	0.2500	0.00282461	0.0216486	0.9	-0.00092881	0.00522402	0.16
rs1048365	636076	7	108004430 T	C						rs1048365 C	T	0.8479	1.2382	0.4900	-0.0018	0.0071	0.8000	0.0073644	0.0141078	0.6	-0.00014058	0.00341838	0.97
rs1048775	690082	17	79202329 C	G						rs1048775 G	C	2.2665	1.3171	0.0850	0.0049	0.0075	0.5200	-0.0080522	0.015054	0.59	-0.00157303	0.00366515	0.67
rs1048932	795167	11	115044850 C	A						rs1048932 C	A	2.9891	1.2188	0.0140	0.0093	0.0070	0.1800	-0.0141859	0.0139668	0.31	0.0027804	0.00338987	0.41
rs104978C	780080	2	198585087 G	C																			
rs1049927	794584	6	154309808 T	C						rs10499276 T	C	1.6615	2.6381	0.5300	-0.0128	0.0151	0.3900	-0.0541782	0.0303225	0.074	0.00855021	0.00735296	0.24
rs1050054	690612	16	69174141 T	C						rs10500548 T	C	2.3347	4.1040	0.5700	-0.0534	0.0235	0.0230	-0.0842066	0.0468001	0.072	-0.0119847	0.0115302	0.3
rs1051032	685852	3	6090992 T	C																			
rs1051105	692481	3	83763941 C	T																			
rs1051505	691102	17	51923847 C	T						rs10515050 C	T	2.5716	1.4901	0.0840	-0.0057	0.0085	0.5000	-0.0020411	0.0170315	0.9	0.00421149	0.00410524	0.3
rs1051515	692302	15	77156899 T	A						rs10519151 A	T	1.4428	3.0385	0.6300	-0.0005	0.0174	0.9700	0.00087838	0.0347526	0.98	0.00278769	0.00849574	0.74
rs1057452	692447	16	29837714 A	G						rs1057452 A	G	2.4797	3.1860	0.4400	0.0175	0.0180	0.3300	-0.0223789	0.0359717	0.53	-0.00608594	0.00886737	0.5
rs1073205	781928	1	167280354 A	G						rs10732051 A	G	0.7129	1.3100	0.5900	0.0009	0.0075	0.9000	-0.0093504	0.0149628	0.53	-0.00236899	0.00361773	0.51
rs1074414	689141	12	17214281 G	A						rs10744146 G	A	0.4530	1.2609	0.7200	0.0054	0.0072	0.4500	-0.0045699	0.0144086	0.75	0.00444219	0.00350759	0.21
rs1074578	691086	12	97586257 T	A						rs10745785 T	C	1.											

rs1093835	793518	4	45182527	G	A	rs10938397	A	G	0.3220	1.3266	0.8100	-0.0046	0.0076	0.5400	-0.0359626	0.0151465	0.018	-0.00173749	0.00367953	0.64		
rs1095362	687660	7	109137373	C	A	rs10953620	A	C	0.7232	1.4517	0.6200	-0.0034	0.0083	0.6800	-0.0151171	0.0165441	0.36	-0.00342538	0.00399254	0.39		
rs1095584	688388	8	118946541	A	G	rs10955841	A	G	0.5458	1.1905	0.6500	-0.0016	0.0068	0.8100	0.00830581	0.0135935	0.54	-0.00026185	0.00327537	0.94		
rs1096254	692271	9	16719445	T	C	rs10962549	T	C	0.7625	1.3754	0.5800	0.0030	0.0079	0.7100	-0.0130644	0.0156649	0.4	-0.00143664	0.00379713	0.76		
rs1097171	692587	9	3820938	C	T	rs10971712	T	C	0.7523	6.5444	0.9100	-0.0173	0.0371	0.6400	-0.145702	0.0738757	0.049	0.00377334	0.0180438	0.83		
rs1098956	688508	9	10496304	A	G	rs10989568	A	G	0.8645	1.1940	0.4700	0.0070	0.0068	0.3100	-0.002713	0.0136243	0.84	0.00647977	0.00303185	0.05		
rs1103038	692117	11	28629115	G	A	rs11030385	A	G	0.5325	1.3780	0.7000	0.0031	0.0079	0.7000	0.00853244	0.0156823	0.59	0.00420829	0.0038059	0.27		
rs1103901	793931	11	46895378	A	G																	
rs1106630	795498	12	112871372	A	G	rs11066301	G	A	1.9746	4.9700	0.6900	-0.0338	0.0282	0.2300	0.0315811	0.0561129	0.57	0.00278498	0.0135611	0.84		
rs1106908	795186	17	34942595	G	A	rs1106908	G	A	2.2762	1.2563	0.0700	0.0005	0.0072	0.9400	-0.013464	0.0143399	0.36	0.0021642	0.00347612	0.53		
rs1107444	773181	16	20255123	T	C	rs11074446	C	T	0.2414	1.4035	0.8600	0.0016	0.0080	0.8400	0.0060951	0.0160399	0.97	-0.0107319	0.00386994	0.0056		
rs1107548	688802	16	62803841	C	T	rs11075489	T	C	0.0931	1.2049	0.9400	-0.0058	0.0069	0.4000	0.00117923	0.013748	0.93	-0.00241486	0.0033266	0.47		
rs1107598	790364	16	53805344	C	T																	
rs1107984	687694	17	47000785	C	T																	
rs1111517	792384	12	82465797	T	C																	
rs1111830	794625	1	219653869	A	G	rs11115176	C	T	0.4182	1.4100	0.7700	0.0015	0.0081	0.8500	0.0019076	0.0161372	0.91	-0.00460113	0.00392536	0.24		
rs1112876	690962	3	15873407	A	G	rs11118308	G	A	0.3740	1.3039	0.7700	0.0104	0.0075	0.1700	-0.0071899	0.0149304	0.63	-0.00059305	0.00363336	0.87		
rs1115091	781716	3	3749528	A	G	rs11128760	A	G	1.1555	1.2453	0.3500	0.0200	0.0071	0.0051	-0.0076273	0.014261	0.59	-0.00428415	0.00344123	0.2		
rs1117270	681630	12	39982413	A	G	rs11150911	C	A	0.3558	1.3108	0.7900	0.0037	0.0075	0.6200	0.0127645	0.0149132	0.39	-0.00553958	0.00360931	0.12		
rs1119066	690855	10	104252136	T	C	rs11172702	A	G	1.4153	1.3293	0.2900	0.0006	0.0076	0.9400	-0.0036674	0.0151514	0.81	0.00225575	0.00365585	0.54		
rs1120866	691220	1	65987164	C	G	rs11190661	C	T	0.3987	1.3017	0.7600	0.0042	0.0074	0.5700	0.00952194	0.0148416	0.52	0.000383627	0.00359089	0.91		
rs1123154	613180	11	55686588	G	A	rs11208660	0.80	rs11208660	T	C	2.4205	2.3064	0.2900	0.0123	0.0131	0.3500	0.0147421	0.0262114	0.57	-0.0034571	0.006359	0.59
rs1125007	566163	8	10647823	A	G																	
rs1125135	690804	10	2585792	G	A	rs4321967	0.67	rs4321967	T	C	2.3186	1.2128	0.0560	-0.0080	0.0069	0.2500	-0.0141186	0.0138073	0.31	-0.00404015	0.0035119	0.23
rs1125993	703399	15	84580156	G	A																	
rs1149612	684574	7	103417557	T	C	rs11259933	G	A	2.2268	1.3256	0.0930	0.0053	0.0076	0.4800	0.00012464	0.0151326	0.99	-0.00438352	0.00366763	0.23		
rs1157717	790199	1	155983710	G	A	rs11496125	T	C	0.8186	1.2218	0.5000	-0.0014	0.0070	0.8400	-0.0111955	0.0139398	0.42	0.00116774	0.00338464	0.73		
rs1158103	688665	1	101024370	G	A																	
rs1158312	784393	1	38053458	T	C	rs1158103	G	A	1.2502	1.2819	0.3300	0.0091	0.0073	0.2200	0.0364434	0.0146725	0.013	0.000742719	0.00353714	0.83		
rs1159047	685475	1	174972588	C	T	rs11583122	T	C	1.8031	7.8322	0.8200	0.0195	0.0483	0.6900	0.0907473	0.0963824	0.35	-0.0163801	0.0225533	0.47		
rs1160095	691086	11	64082807	C	T	rs11590474	C	T	1.7331	2.8595	0.5400	0.0095	0.0163	0.5600	-0.0367874	0.0326997	0.26	-0.0188759	0.00792697	0.017		
rs1161124	779823	12	939480	T	G	rs11600990	T	C	1.8220	1.8506	0.3200	-0.0064	0.0106	0.5400	0.00262931	0.0211007	0.9	-0.00239158	0.00514941	0.64		
rs1161145	690148	12	108413828	G	A	rs11611246	G	T	1.6160	1.3185	0.2200	-0.0051	0.0076	0.5000	0.00484932	0.0150887	0.75	-0.00069066	0.00368716	0.85		
rs1162978	690824	15	66741387	C	A	rs11113659	0.68	rs11113659	C	A	1.8458	1.5522	0.2300	0.0014	0.0089	0.8800	0.0206836	0.0177421	0.24	-0.00122213	0.00432444	0.78
rs1163567	688719	15	63793238	T	G	rs78136741	1.00	rs78136741	A	G	0.9373	1.5082	0.5300	-0.0081	0.0087	0.3500	-0.0151749	0.0172696	0.38	-0.00407257	0.00421984	0.33
rs1164200	691916	16	71899586	G	A																	
rs1165976	690582	18	53335512	T	A	rs11642001	G	A	0.8721	1.4322	0.5400	0.0123	0.0082	0.1300	0.0281091	0.0163779	0.086	-0.00101964	0.00398223	0.8		
rs1166830	691176	19	31016196	A	G																	
rs1167266	768426	19	46180184	C	T	rs73022877	0.94	rs73022877	A	T	2.2044	7.2794	0.7600	0.0065	0.0412	0.8700	0.0982463	0.0821732	0.23	-0.0238715	0.0211003	0.26
rs1171133	687496	3	21784904	T	A	rs11672660	T	C	0.0174	1.4658	0.9900	0.0022	0.0084	0.7900	-0.0107758	0.0167688	0.52	-0.00303205	0.00409511	0.46		
rs1173622	691580	4	147376205	A	T	rs11711337	A	T	0.0579	1.2599	0.9600	0.0019	0.0072	0.8000	0.0180349	0.0143863	0.21	0.00376126	0.00348756	0.28		
rs1175208	790084	6	20705590	T	G	rs11736228	A	T	1.1534	1.4919	0.4400	-0.0024	0.0085	0.7800	-0.0150247	0.017035	0.38	-0.00058961	0.00410842	0.89		
rs1175665	659948	6	50054296	G	C	rs11753081	T	G	0.4932	1.1965	0.6800	0.0010	0.0068	0.8900	0.00455357	0.0136366	0.74	-2.9436E-05	0.00330835	0.99		
rs1177336	690588	7	14768180	C	T																	
rs1178060	780840	6	50914343	A	G	rs11773362	T	C	0.0543	1.2314	0.9600	-0.0022	0.0070	0.7500	0.0122436	0.0140298	0.38	-0.00111444	0.00341119	0.74		
rs1178122	789828	8	23895971	T	C	rs72901027	0.91	rs72901027	G	A	3.0061	7.2796	0.6800	-0.0151	0.0412	0.7100	-0.0436517	0.0821207	0.6	-0.0193011	0.0026815	0.35
rs1178165	784642	8	118863061	C	T	rs11781222	T	C	1.6100	1.3186	0.2200	0.0029	0.0075	0.7000	-0.0147939	0.0150283	0.32	-0.00666707	0.00363874	0.067		
rs1178324	790309	8	10788875	C	T	rs72673939	0.98	rs72673939	C	G	1.7609	3.3225	0.6000	0.0096	0.0189	0.6100	-0.065143	0.0377365	0.084	-0.00836159	0.00918189	0.36
rs1179028	684876	9	14651283	C	T																	
rs1179206	644252	9	140646121	A	G	rs11790280	C	T	1.9737	1.4923	0.1900	-0.0136	0.0085	0.1100	-0.0322435	0.0170129	0.058	0.000856831	0.00412898	0.84		
rs1180311	662659	1	174002465	T	A	rs11792069	G	A	1.2915	5.3668	0.8100	0.0405	0.0307	0.1900	-0.0346625	0.0617053	0.57	0.00382396	0.0151707	0.8		
rs1184466	686135	14	65910844	C	T																	
rs1185585	682564	15	78012618	C	G	rs11844662	C	G	0.7736	1.9875	0.7000	0.0076	0.0113	0.5000	0.00073603	0.0225714	0.97	-0.00469237	0.00552686	0.4		
rs1186681	792501	16	387867	C	T	rs11855821	0.84	rs11855821	A	G	1.7174	3.0054	0.5700	0.0229	0.0172	0.1800	0.0291955	0.0341914	0.39	0.000469316	0.00851515	0.96
rs1188953	688977	2	220163543	A	G	rs11866815	T	C	1.5402	1.5177	0.3100	-0.0083	0.0087	0.3400	0.0276046	0.0173535	0.11	-0.00263812	0.00427301	0.54		
rs1191537	690829	3	7053959	C	A	rs11889536	G	A	1.2157	2.0437	0.5500	0.0028	0.0117	0.8100	-0.0049556	0.0232697	0.83	0.00627166	0.005686	0.27		
rs1192902	675947	3	51754424	T	G	rs11915371	C	A	1.7125	2.3601	0.4700	-0.0376	0.0135	0.0054	0.0117182	0.0270089	0.66	-0.00902353	0.00654279	0.17		
rs1194588	682451	4	65700865	G	A																	
rs1197104	689741	7	26698848	G	A	rs11945861	A	G	2.5778	1.1992	0.0320	-0.0004	0.0068	0.9600	0.0236018	0.0136967	0.085	-0.00328377	0.00329426	0.32		
rs1198738	688014	8	15197115	C	A																	
rs1203325	664083	1	112318484	A	G	rs7819078	0.83	rs7819078	G	A	1.5059	3.6312	0.6800	-0.0108	0.0208	0.6000	0.0112153	0.0416682	0.79	0.000376722	0.0104325	0.97
rs120																						

rs1755197	691115	2	142293146	C	A	*	rs7574682	0.62	rs7574682	A	C	1.1053	1.2453	0.3700	-0.0102	0.0071	0.1500	-0.0028886	0.01418	0.84	0.00532283	0.00342725	0.12			
rs1759177	685869	5	86420392	A	G							0.3512	1.4259	0.8100	0.0062	0.0082	0.4500	0.0363685	0.0163021	0.0226	0.00698332	0.00393751	0.76			
rs1760815	791472	12	110046698	T	C							1.5648	3.3982	0.6500	-0.0176	0.0194	0.3600	-0.0178425	0.0387515	0.65	-0.00655684	0.00941072	0.49			
rs1763603	782807	10	126594078	C	T	*																				
rs1768145	692317	3	114399296	G	A							rs17681451	A	G	3.5491	5.5720	0.5200	0.0242	0.0322	0.4500	-0.0101883	0.0641355	0.87	0.0215141	0.0150154	0.15
rs176817C	692361	17	9792872	C	T							rs17681708	C	T	1.9004	4.4441	0.6700	0.0491	0.0252	0.0510	0.0269561	0.0501705	0.59	-0.0123201	0.0121205	0.51
rs1772495	785851	19	18454825	A	G							1.3006	1.1697	0.2700	0.0055	0.0067	0.4100	-0.0124483	0.0133418	0.35	-0.00208125	0.00323863	0.62			
rs1773925	692334	6	27293049	C	G	*	rs55797265	0.99	rs55797265	T	C	1.1746	1.9629	0.5500	-0.0068	0.0112	0.5400	0.0610384	0.0223672	0.0064	-0.0042869	0.00539341	0.43			
rs1775797	690716	6	38214150	C	G							2.6327	5.8037	0.6500	-0.0020	0.0329	0.9500	-0.0325984	0.0654809	0.62	-0.0139399	0.0158428	0.38			
rs1779593	794950	16	51926509	C	T							rs17795934	T	C	1.7599	1.2969	0.1700	0.0005	0.0074	0.9400	0.0208849	0.0148403	0.16	0.00160952	0.00360384	0.96
rs1780637	690043	20	51107290	C	T							rs17806379	T	C	1.9170	1.6974	0.2600	0.0166	0.0097	0.0860	0.0268482	0.0192744	0.16	-0.00148674	0.00360672	0.75
rs1782082	690065	9	11831420	T	G	*	rs10809628	0.64	rs10809628	T	A	1.6928	1.7489	0.3300	0.0060	0.0100	0.5500	-0.0271055	0.019844	0.17	-0.00105773	0.00481661	0.83			
rs1782507	692310	11	30243868	G	T	*						rs1782767	C	G	1.5246	2.5921	0.5600	0.0168	0.0148	0.2600	-0.0023761	0.0295468	0.94	-0.0122642	0.00710866	0.084
rs1787267	692052	18	76742544	G	C																					
rs1789165	775128	11	69481069	A	C	*																				
rs1791253	684367	18	37103550	T	G							rs1791253	T	G	1.1833	1.3317	0.3700	-0.0108	0.0076	0.1600	0.0036985	0.0151773	0.81	0.00182077	0.00358665	0.62
rs181417C	686628	7	138794149	A	T	*	rs62485917	0.83	rs62485917	T	C	1.6910	1.2272	0.1700	0.0014	0.0070	0.8400	-0.0123948	0.0140003	0.38	0.0052798	0.00340081	0.12			
rs181732	686436	3	136744386	G	T	*	rs900949	0.72	rs900949	G	T	0.7555	1.3948	0.5900	-0.0199	0.0080	0.8100	-0.0206407	0.0158998	0.19	-0.00352612	0.00386863	0.66			
rs1819844	793238	12	68205604	A	G							rs1819844	A	G	0.6588	1.2913	0.6400	-0.1130	0.0079	0.1000	-0.0160644	0.0158398	0.31	0.00315371	0.00386064	0.41
rs185200E	692290	7	77829768	G	A							rs185200E	G	A	2.0059	1.2060	0.0960	-0.0024	0.0069	0.7300	0.00441287	0.0137576	0.75	-0.00239104	0.0032187	0.47
rs1853635	673714	6	87606842	G	A							rs1853639	A	G	0.2126	1.2033	0.8600	-0.0088	0.0069	0.2000	-0.0021201	0.0137274	0.88	-0.00249589	0.00331676	0.45
rs1862451	691653	16	24803620	A	G	*	rs964782	1.00	rs964782	C	T	1.9156	1.9786	0.2800	-0.0191	0.0102	0.0600	-0.0106985	0.0203423	0.6	-0.00644103	0.00499796	0.52			
rs1865341	688863	9	8485911	T	C							rs1865341	T	C	0.1013	1.6210	0.9500	-0.0165	0.0093	0.0750	-0.0249319	0.018477	0.18	0.006069718	0.00450077	0.88
rs186543	682722	5	86754835	G	C							rs186543	G	C	1.3662	1.2040	0.2600	-0.0003	0.0069	0.9600	0.00351052	0.0137465	0.8	-0.00040633	0.00334107	0.59
rs186651C	691901	4	44514468	C	T	*						rs1866510	T	C	1.1941	1.1885	0.3200	-0.0088	0.0068	0.1900	0.0026815	0.0135391	0.84	0.00167183	0.00328862	0.61
rs1884385	683669	20	1410582	C	T	*																				
rs1884897	789534	20	6612832	G	A	*																				
rs1896685	794654	7	121964349	T	C							rs1896689	C	T	1.3990	1.2201	0.2500	-0.0025	0.0070	0.7200	-0.0217823	0.013956	0.12	-0.00097667	0.00339393	0.77
rs1899951	795281	3	12394840	T	C							rs1899951	T	C	1.6194	2.7796	0.5600	-0.0159	0.0160	0.3200	-0.0188294	0.0317846	0.55	0.0139005	0.0077306	0.72
rs1903575	690564	4	91253965	C	G	*	rs10008665	1.00	rs10008665	G	A	0.1643	1.5185	0.9100	-0.0062	0.0087	0.4700	0.00173127	0.017352	0.92	0.00125514	0.00418173	0.076			
rs190598E	676854	3	124687767	G	T							rs1905986	T	G	0.2394	1.3670	0.8600	-0.0048	0.0078	0.5400	-0.0174323	0.0155577	0.26	-0.00216702	0.00376164	0.56
rs192779C	794326	13	96922191	C	T							rs1927790	C	T	0.3558	1.2589	0.7800	-0.0010	0.0072	0.8900	0.00193748	0.0143292	0.89	-0.00066312	0.00348067	0.85
rs1928295	793649	9	120378483	T	C							rs1928295	C	T	0.4114	1.2106	0.7300	-0.0023	0.0069	0.7400	0.00545397	0.0137773	0.69	0.00347819	0.00334393	0.3
rs1937684	690063	10	53680085	A	C							rs1937684	A	C	0.4891	1.2248	0.6900	0.0050	0.0070	0.4700	0.0102525	0.0140023	0.46	-0.00483621	0.00341654	0.16
rs1941697	692446	18	31251276	A	G	*	rs12456504	0.74	rs12456504	G	T	0.9330	1.4137	0.5100	-0.0182	0.0081	0.0240	-0.0253471	0.0161133	0.12	-0.00438801	0.00391815	0.26			
rs1942866	781260	18	57741783	G	C	*	rs8092496	0.67	rs8092496	A	G	1.9191	1.5223	0.2100	0.0110	0.0087	0.2100	0.01071716	0.0173471	0.54	-0.00248016	0.00419022	0.55			
rs1943477	793263	11	56973793	C	T	*						rs1943477	T	C	1.1875	5.1266	0.8200	0.0138	0.0290	0.6400	0.0242816	0.0583324	0.68	-0.00253799	0.0141355	0.86
rs1951455	690040	14	91512339	C	T							rs1951455	T	C	1.9691	1.5926	0.2200	0.0175	0.0091	0.0530	0.00192015	0.0181003	0.92	0.00333795	0.00439903	0.45
rs1956151	692204	14	40101060	G	A	*						rs1956151	G	A	1.3631	1.2976	0.2900	0.0100	0.0074	0.1800	0.0143997	0.0147815	0.33	-0.00302196	0.0036097	0.4
rs1973993	692549	1	96943994	C	T	*																				
rs1982441	687705	8	28021769	T	G																					
rs1983864	692553	10	100017453	T	G	*						rs1983864	T	G	0.8342	1.2183	0.4900	0.0111	0.0070	0.1100	-0.0025806	0.0139213	0.85	0.000841151	0.00337703	0.8
rs200074E	675837	18	57677294	A	G	*																				
rs200361E	684693	14	79903993	T	G	*	rs17758369	0.89	rs17758369	A	G	2.1370	1.5674	0.1700	0.0053	0.0089	0.5500	-0.0044442	0.0178475	0.8	-0.00107191	0.00432055	0.18			
rs200968	795566	6	27805968	C	T							rs200968	T	C	2.0687	2.3118	0.3700	0.0090	0.0132	0.4900	-0.0376991	0.0263527	0.15	-0.00022236	0.00699909	0.07
rs2010281	794009	14	103862322	G	A							rs2010281	A	G	2.1179	1.6960	0.2100	0.0057	0.0097	0.5500	0.0103628	0.0192979	0.59	-0.00484911	0.00471154	0.3
rs2012927	792270	18	63292762	A	G	*						rs2012927	A	G	0.6455	1.2271	0.6000	0.0002	0.0070	0.9800	0.00773919	0.0140114	0.58	-0.00321842	0.00340346	0.34
rs2030342	686857	1	97388226	T	C	*	rs6671669	0.90	rs6671669	G	A	1.2415	1.2445	0.3200	0.0068	0.0071	0.3400	0.00716121	0.0141892	0.61	-0.00254713	0.00344281	0.46			
rs2033525	792112	6	40348653	G	A	*																				
rs2047632	688132	3	37153431	G	C	*																				
rs2075205	691296	16	54153099	A	T							rs2075205	A	T	1.4172	1.1894	0.2300	0.0040	0.0068	0.5600	-0.0117602	0.0136026	0.39	0.00182265	0.00330059	0.58
rs207565C	779741	19	45935619	A	G							rs2075650	A	G	1.2352	2.0914	0.5500	-0.0004	0.0120	0.9700	0.00533231	0.024019	0.82	0.00984045	0.00578888	0.89
rs208015	691575	17	46252346	T	C							rs208015	T	C	0.2308	1.6316	0.8900	-0.0082	0.0093	0.3800	-0.0173716	0.0186445	0.35	0.00552118	0.00455084	0.22
rs2080454	784784	16	49062590	C	A	*																				
rs209861E	657277	5	87934851	T	A	*	rs59782145	0.93	rs59782145	T	C	1.4584	5.7378	0.8000	0.0291	0.0325	0.3700	-0.001662	0.0647604	0.98	-0.0010267	0.0168308	0.95			
rs2100814	683658	8	28118130	A	G	*						rs210														

rs2307111	795430	5	75003678	T	C	*	rs9942416	0.62	rs9942416	G	C		0.5931	1.2018	0.6200	0.0009	0.0069	0.9000	-0.0034474	0.0137438	0.8	0.000415391	0.00332326	0.9
rs2356865	691741	1	50836334	C	T	*																		
rs235776C	791053	6	120213880	A	G	*	rs6927250	0.92	rs6927250	G	T		2.3566	1.3193	0.0740	-0.0092	0.0075	0.2200	-0.0011002	0.0150344	0.94	-0.00488872	0.00361918	0.18
rs236538S	783625	3	61236462	C	T	*	rs13099397	0.66	rs13099397	C	A		2.2876	1.5920	0.1500	0.0045	0.0091	0.6200	-0.0491902	0.0181367	0.0067	0.00638888	0.00439522	0.15
rs2367112	794305	5	64168193	T	G							0.1690	1.6928	0.9200	0.0008	0.0096	0.9300	0.0132049	0.0192347	0.49	-0.00355821	0.00466895	0.45	
rs2386802	688877	20	25971327	C	A							0.7160	1.2258	0.5600	-0.0020	0.0070	0.7700	0.0115102	0.0140033	0.41	-0.00120031	0.00337749	0.97	
rs2397061	688481	6	51638877	C	T							1.0382	1.8921	0.5800	0.0100	0.0108	0.3500	-0.0004816	0.0215922	0.98	-0.00507038	0.00521564	0.33	
rs240973C	788962	8	11060638	C	A	*																		
rs2412107	686465	14	65426216	T	G							rs2412107	G	T		0.6734	1.1986	0.5700	0.0050	0.0068	0.4700	0.00163824	0.0136724	0.9
rs2425241	689885	20	35018412	C	T	*																		
rs2425857	690825	20	44914134	A	G							rs2425857	G	A		0.1381	1.2489	0.9100	0.0082	0.0071	0.2500	0.021011	0.0142532	0.14
rs242915C	686276	12	2152655	C	A							rs2429150	C	A		1.1404	1.3127	0.3800	-0.0138	0.0075	0.0660	0.00827123	0.0149832	0.58
rs244088S	689699	11	70563286	A	G							rs244088S	A	G		1.1672	1.2976	0.3700	-0.0034	0.0074	0.6500	0.00286676	0.0148187	0.85
rs245935S	677935	15	76863838	C	G	*																		
rs246711C	684290	12	23067302	C	T							rs2467110	C	T		0.6952	1.3892	0.6200	-0.0032	0.0079	0.6900	-0.0359705	0.0158345	0.023
rs247995S	664268	13	111984244	A	G	*																		
rs248139	683675	5	167352783	A	G							rs248139	A	G		0.9133	1.3294	0.4900	-0.0144	0.0076	0.0580	-0.0243989	0.0151537	0.11
rs248166S	795247	1	62594677	T	C	*	rs17379217	0.72	rs17379217	T	T		1.1012	1.7111	0.5200	-0.0160	0.0098	0.1000	-0.0161912	0.0196112	0.41	0.00151336	0.00475389	0.75
rs2491864	690625	1	242986063	A	G							rs2491864	A	G		1.4790	1.2002	0.2200	-0.0067	0.0069	0.3300	0.00565907	0.0136991	0.68
rs2504674	690877	6	51160682	G	C							rs2504674	G	C		1.4657	1.1994	0.2200	-0.0043	0.0069	0.5300	0.0163949	0.0137161	0.23
rs251673S	761216	16	2097158	G	A							rs2516739	G	A		3.9276	2.9875	0.1900	0.0151	0.0171	0.3800	0.0324111	0.0341558	0.34
rs253476C	677641	16	6509097	T	A	*	rs1935397	0.99	rs1935397	C	T		0.6697	1.3593	0.6200	-0.0074	0.0078	0.3400	-0.0024386	0.0155499	0.88	-0.00337443	0.00376571	0.25
rs2537847	689643	17	65694355	G	A	*	rs2625567	0.64	rs2625567	T	C		1.8397	1.6917	0.2800	-0.0052	0.0097	0.5900	-0.0336382	0.0193711	0.082	0.00806512	0.00467071	0.084
rs2543132	688326	8	15536311	C	G							rs2543132	C	G		1.0961	1.2028	0.3600	0.0111	0.0069	0.8800	0.0219674	0.0137	0.11
rs254428	774996	5	14177439	T	G							rs254428	G	T		0.5888	1.2555	0.6400	0.0033	0.0072	0.6400	0.0110845	0.0142958	0.44
rs255832	692083	5	66175682	A	G							rs255832	G	A		0.5732	1.1869	0.6300	0.0037	0.0068	0.5900	0.0169444	0.0135008	0.21
rs2590942	793971	1	72885281	T	G							rs2590942	G	T		1.6602	4.5727	0.7200	0.0336	0.0262	0.2000	-0.035271	0.0523054	0.5
rs259328C	688016	15	76150965	A	G							rs2593280	A	G		0.0512	1.7654	0.9800	0.0019	0.0101	0.8500	0.0520178	0.0202044	0.01
rs2605603	790857	11	93221105	G	A							rs2605603	G	A		0.1868	1.5626	0.9000	0.0018	0.0089	0.8400	0.0117395	0.0177525	0.51
rs2611742	691646	5	95856501	C	T							rs2611742	C	T		0.2612	1.2222	0.8300	0.0067	0.0070	0.3400	-0.0039069	0.0139666	0.78
rs2612203	515871	11	54914689	A	G	*																		
rs261997E	684417	17	71754545	T	C							rs2619976	C	T		1.3782	1.3066	0.2900	0.0033	0.0075	0.6600	0.0210027	0.0148915	0.16
rs262956	686884	3	183486117	T	G	*																		
rs2631681	789736	10	93032943	C	T	*	rs245044S	0.99	rs245044S	G	A		1.3293	2.0470	0.5200	-0.0017	0.0117	0.8900	-0.0258613	0.0233137	0.27	0.00813643	0.00567094	0.15
rs2634047	683222	8	85696337	G	C	*	rs263404S	0.87	rs263404S	G	A		4.2904	1.7809	0.0160	-0.0050	0.0102	0.6300	-0.0128554	0.0204121	0.53	3.29931E-05	0.00494801	0.99
rs2635727	792938	6	50820940	C	T	*	rs2817419	0.88	rs2817419	G	A		2.0576	1.4372	0.1500	0.0024	0.0082	0.7700	0.03212	0.0163598	0.05	-0.00342205	0.00399054	0.39
rs265336S	689811	6	55169801	C	T							rs265336S	T	C		3.0066	1.8205	0.8700	-0.0188	0.0104	0.0710	0.00590912	0.0207483	0.78
rs268064E	686125	3	53777176	T	C							rs2680648	T	C		0.4194	1.2956	0.7500	0.0083	0.0074	0.2600	-0.0186752	0.0147475	0.21
rs2710323	790805	3	52815905	C	T							rs2710323	C	T		0.9875	1.2297	0.4200	0.0017	0.0070	0.8100	0.0527679	0.0140004	0.00016
rs271166S	690170	6	116662038	A	C	*	rs2737251	1.00	rs2737251	C	T		2.0655	1.2353	0.9950	0.0006	0.0071	0.9300	-0.0212835	0.0141029	0.13	0.00452502	0.00342578	0.19
rs2724861	780412	2	471514	G	A							rs2724861	A	G		1.0857	1.2517	0.3900	0.0032	0.0072	0.6500	0.00240872	0.0142729	0.87
rs2731222	690932	12	90595383	A	C							rs2731222	A	C		3.6181	1.2026	0.0026	-0.0021	0.0069	0.7600	-0.0009058	0.0137116	0.95
rs2732387	681730	12	41880909	C	G		rs257911S	0.94	rs257911S	G	T		0.7392	1.2217	0.5500	-0.0113	0.0070	0.8500	-0.0149075	0.0139329	0.28	0.00069277	0.00335987	0.86
rs273504	690672	19	18215247	G	A							rs273504	A	G		0.0514	1.2544	0.9700	0.0009	0.0072	0.9000	-0.0054043	0.0143104	0.71
rs273697	683992	18	23178748	G	A							rs273697	A	G		0.3000	1.1883	0.8000	-0.0117	0.0068	0.8100	0.0171223	0.0135432	0.21
rs276895C	754826	4	49064487	A	G		rs7655341	0.91	rs7655341	T	C		0.3356	1.2316	0.7900	-0.0018	0.0070	0.8000	0.00424686	0.0140587	0.76	0.00195144	0.0034046	0.57
rs278166E	678717	6	131897278	T	C							rs278166E	T	C		1.9381	1.3319	0.1500	0.0120	0.0076	0.1200	-0.0018627	0.015242	0.9
rs2814992	794002	6	34617144	G	A							rs2814992	A	G		0.3966	1.1890	0.7400	-0.0009	0.0068	0.9000	-0.001494	0.0135658	0.91
rs2820311	691876	1	201841476	G	A							rs2820311	A	G		0.7244	1.9369	0.7100	-0.0139	0.0111	0.2100	-0.0045768	0.0221955	0.84
rs28350	686689	3	42418446	A	G							rs28350	A	G		3.1834	2.5761	0.2200	-0.0023	0.0147	0.8700	0.00229609	0.0292644	0.94
rs2836961	793481	21	40627020	C	A							rs2836961	A	C		0.3552	1.3628	0.7900	0.0095	0.0078	0.2300	0.00943168	0.0156154	0.55
rs283800E	686586	21	42635567	C	T	*	rs1041448	0.99	rs1041448	A	G		2.8832	1.7511	0.1000	0.0099	0.0100	0.3200	-0.000151	0.0200458	0.99	-0.00421788	0.00483462	0.38
rs284227	792227	1	82379446	C	T							rs284227	C	T		2.2386	2.3994	0.3500	-0.0169	0.0136	0.2100	-0.0485262	0.0271147	0.074
rs284238S	689031	6	19078274	G	A							rs284238S	G	A		0.2667	1.5052	0.8600	0.0092	0.0086	0.2900	-0.0178436	0.0171848	0.3
rs285096S	691825	4	102183594	C	T							rs2850969	T	C		0.5177	1.1862	0.6600	-0.0066	0.0068	0.3300	-0.0030767	0.0135285	0.82
rs2863981	794282	16	68295598	A	G	*																		
rs286681E	688980	19	30683879	T	C							rs286681E	T	C		1.4176	1.2024	0.2400	0.0069	0.0069	0.3200	-0.0111797	0.0137108	0.41
rs287576E	685199	6	124925032	C	G							rs287576E	C	G		0.8743	1.3343	0.5100	0.0067	0.0077	0.3800	0.0225166	0.0153128	0.14
rs2890652	674785	2	142959931	C	T							rs2890652	C	T		2.84								

rs4889782	684598	17	78640510	C	T	rs4889782	C	T	1.2141	1.2614	0.3400	-0.0086	0.0072	0.2300	-0.0029902	0.0143802	0.84	7.65372E-06	0.00348401	1				
rs490690E	691345	5	27040082	G	T	rs4906908	T	G	1.1940	1.2376	0.3300	0.0024	0.0071	0.7400	-0.016342	0.0141531	0.25	-0.00422954	0.003441	0.22				
rs4916661	688639	15	87932809	G	T	rs4916661	G	T	0.5729	1.3644	0.4700	0.0044	0.0078	0.5700	-0.0023975	0.0155229	0.88	-0.00999448	0.00374891	0.077				
rs4936175	692569	11	132641959	C	T																			
rs4936671	678888	11	121942512	C	T	rs4936671	C	G	2.0852	1.2975	0.1100	-0.0039	0.0074	0.6000	0.00526565	0.0147904	0.72	0.00150562	0.00357897	0.67				
rs4939051	527251	11	56206141	G	C	rs11228592	0.99	rs11228592	G	A	1.6539	1.2226	0.1800	0.0039	0.0070	0.5700	7.5164E-05	0.0139682	1	-5.1973E-05	0.00381214	0.99		
rs4969387	678051	17	99061174	G	C				1.5395	1.9079	0.4200	0.0104	0.0109	0.3400	-0.0043307	0.0217005	0.84	-0.0104737	0.00523886	0.046				
rs497417	691046	8	9790041	T	A				1.6109	1.3585	0.2400	0.0009	0.0078	0.9100	0.0192947	0.0154672	0.21	-0.00253867	0.00376074	0.52				
rs4981693	689120	4	29680331	A	G	rs1569979	0.83	rs1569979	G	A	2.0513	1.2908	0.1100	0.0162	0.0074	0.0280	0.0124972	0.0147441	0.4	0.000793683	0.00357764	0.85		
rs498240	679278	6	31829592	G	A	rs62395851	0.74	rs62395851	C	G	0.6927	6.2148	0.9100	0.0113	0.0356	0.7500	-0.0544764	0.0709941	0.44	-0.0119603	0.0172827	0.49		
rs4985155	794269	16	15129459	A	G				1.1588	1.1744	0.3200	0.0081	0.0067	0.2300	-0.0142678	0.013421	0.29	-0.00296456	0.00325838	0.36				
rs4986044	787219	17	21261560	C	T				1.7146	1.2162	0.1600	-0.0083	0.0070	0.2300	-0.0210154	0.0138808	0.13	0.00242153	0.00386802	0.47				
rs524281	777942	11	65886662	C	T				1.4284	1.1976	0.2300	0.0045	0.0068	0.5100	-0.0053894	0.0136634	0.69	-0.00384895	0.00330762	0.24				
rs5396	785408	3	170744815	C	T				0.4615	1.3968	0.7400	-0.0016	0.0080	0.8400	-0.0073795	0.0159603	0.64	0.00299297	0.00383396	0.44				
rs543874	795504	1	17889480	G	A				1.5510	1.8057	0.3900	-0.0044	0.0103	0.6700	0.0247266	0.0206106	0.23	-0.00020679	0.00503965	0.97				
rs551137	529265	11	55323307	C	T				1.9550	1.2557	0.1200	-0.0015	0.0072	0.8400	-0.011067	0.0143408	0.44	0.00304979	0.00346766	0.38				
rs555267	788140	18	40992698	T	G																			
rs559267	794315	20	54157497	G	A				1.5864	1.2211	0.1900	-0.0046	0.0070	0.5100	0.00030037	0.013932	0.98	-0.00147611	0.00338985	0.66				
rs573455	795095	11	117267884	G	A	rs693147	0.76	rs693147	C	A	1.5702	1.2417	0.2100	0.0033	0.0071	0.6400	-0.0040405	0.0142162	0.78	0.00167307	0.00345762	0.63		
rs5750913	794052	22	40640285	G	A																			
rs577525	690616	10	97999388	C	T				0.9064	1.3521	0.5000	-0.0061	0.0077	0.4300	0.0250275	0.0154054	0.1	-0.00018562	0.00371761	0.96				
rs580438	684407	3	13345450	T	C				1.2456	1.3052	0.3400	0.0096	0.0075	0.2000	-0.0037065	0.0148923	0.8	-0.00181195	0.00362509	0.62				
rs587230	775267	11	69299771	A	G				1.9386	3.0343	0.5200	0.0059	0.0174	0.7300	0.0388155	0.0347375	0.26	6.91109E-05	0.00839424	0.99				
rs6011457	690692	20	61530915	T	A				0.2106	1.2509	0.8700	-0.0032	0.0072	0.6500	0.0172786	0.0142754	0.23	0.00593932	0.00344268	0.084				
rs6019482	685234	20	47495560	C	T				1.7022	2.1020	0.4200	0.0135	0.0120	0.2600	0.0128605	0.0239283	0.59	0.00592939	0.00584313	0.31				
rs6058635	690979	20	30891925	G	C																			
rs6060151	692591	20	33594226	T	G				rs6060151	G	T	0.2157	1.2857	0.8700	-0.0002	0.0073	0.9800	-0.0034468	0.014647	0.81	-0.00366964	0.00355375	0.3	
rs6061162	691901	20	29893501	T	C	rs35026126	0.69	rs35026126	T	C	0.1212	6.0568	0.6100	-0.0064	0.0347	0.8500	-0.0447016	0.0691794	0.52	-0.0069846	0.0165908	0.67		
rs607634E	690971	20	25401827	G	A																			
rs6088525	688940	20	33170752	A	C	rs6141482	0.99	rs6141482	C	G	0.1531	1.2412	0.9000	-0.0012	0.0071	0.8600	0.0148311	0.0141609	0.29	-0.00299652	0.00342995	0.38		
rs608894E	680664	20	34420023	A	T																			
rs6121381	691119	20	30785593	T	A				rs6121381	A	T	1.2555	1.5537	0.4200	-0.0052	0.0089	0.5600	0.00240754	0.0178347	0.89	-0.00519099	0.00431989	0.23	
rs613291E	665013	20	26073030	C	T				0.3140	1.1615	0.1700	0.0012	0.0066	0.8500	-0.014223	0.0132527	0.28	-0.00087246	0.00319527	0.78				
rs6138482	795349	20	25054442	T	C	rs12624679	0.97	rs12624679	C	T	1.6522	1.2038	0.7900	0.0028	0.0069	0.6900	0.00909165	0.0170906	0.51	0.000561391	0.00331655	0.87		
rs614209E	690983	20	32686658	A	G				0.4663	1.2094	0.7000	0.0026	0.0069	0.7100	-0.0004163	0.013827	0.98	-0.00491452	0.00339412	0.14				
rs621042	689121	12	18789007	C	A				2.5266	1.2421	0.0420	-0.0255	0.0071	0.0003	0.0143406	0.0141429	0.31	-0.00158895	0.00342765	0.64				
rs6235	691708	5	95728898	G	C				2.1029	1.2680	0.6970	-0.0002	0.0072	0.9800	-0.0215872	0.0144879	0.14	0.00783119	0.00350793	0.026				
rs6265	795458	11	27679916	C	T	rs11030104	0.88	rs11030104	C	A	1.1897	1.2028	0.3200	0.0065	0.0069	0.3500	-0.0148234	0.0137241	0.28	-0.00174119	0.00332151	0.6		
rs629443	790044	13	76386075	T	G	rs9544047	0.65	rs9544047	A	C	3.5656	1.4253	0.0120	-0.0063	0.0081	0.4400	-0.0183639	0.0162316	0.26	-0.00119922	0.00395699	0.76		
rs6442021	777197	3	46742019	C	T																			
rs6442101	795233	3	48130893	C	T				0.4772	1.3470	0.7200	0.0074	0.0077	0.3400	-0.0004776	0.0153903	0.98	0.00306026	0.00374458	0.46				
rs644375E	776827	3	181329682	C	T				1.2433	4.6638	0.7900	0.0040	0.0274	0.8800	-0.018171	0.054573	0.74	0.0147894	0.0130659	0.26				
rs6448587	691097	4	28561990	A	C	rs68144005	0.79	rs68144005	G	C	0.5885	1.4814	0.6900	-0.0040	0.0085	0.6300	-0.0212328	0.0169195	0.21	0.00813505	0.00410251	0.047		
rs6449531	691940	5	60712212	G	A				0.6959	1.4246	0.6300	0.0147	0.0081	0.0720	0.0007558	0.0162928	0.96	0.00846031	0.00393351	0.83				
rs645932E	611474	6	58060143	C	G				0.1746	1.9056	0.9300	-0.0035	0.0109	0.5700	0.0162215	0.0216563	0.45	-0.00329958	0.00524491	0.53				
rs6461115	791735	7	21036668	G	A	rs4721359	0.78	rs4721359	G	A	2.2533	1.3463	0.0940	-0.0015	0.0077	0.8500	-0.0297149	0.0153882	0.053	-0.00073966	0.00371789	0.84		
rs646348E	791893	7	5542513	T	C				1.6294	2.1790	0.4500	0.0323	0.0125	0.0096	-0.0154297	0.0250321	0.54	-0.00443796	0.00600565	0.66				
rs647494E	786471	9	15670492	G	T				0.90	rs7033236	G	A	2.1824	1.3311	0.1000	0.0051	0.0076	0.5100	0.0063989	0.0151762	0.67	-0.00307542	0.00370669	0.41
rs6477694	789230	9	111932342	C	T				0.5662	1.2217	0.3000	0.0080	0.0070	0.2500	-0.0132504	0.0139699	0.34	0.000329805	0.0039767	0.92				
rs6490055	688822	12	111768973	G	A	rs4766502	0.65	rs4766502	G	T	1.2595	1.2709	0.3200	0.0016	0.0073	0.8300	-0.0059162	0.014506	0.68	-6.0065E-05	0.00354575	0.99		
rs6494481	692540	15	64849904	T	G																			
rs6495252	685875	15	78117685	T	C	rs7176895	1.00	rs7176895	A	G	0.3542	1.1985	0.7700	0.0004	0.0068	0.9600	-0.0215223	0.0136462	0.11	-0.00463726	0.00331436	0.16		
rs651548	680904	12	99560183	A	G				0.651548	1.548	0.6100	-0.0037	0.0071	0.1750	0.00809327	0.0142179	0.57	-0.00417519	0.00344558	0.23				
rs6545714	793368	2	59307725	G	A	rs7424120	0.85	rs7424120	C	G	0.1500	1.2350	0.9000	0.0139	0.0071	0.0500	-0.0313379	0.0140942	0.026	-0.00680273	0.00341576	0.046		
rs6548221	795394	2	295255	A	G				0.6548221	1.7745	1.6374	0.2800	0.0082	0.0093	0.3800	0.0014952	0.0186358	0.94	-0.00227828	0.00452212	0.61			
rs655141C	668900	3	89442305	A	T				2.1357	1.3208	0.1100	0.0102	0.0075	0.1800	-0.0202897	0.0150605	0.18	0.00983265	0.00366659	0.0073				
rs656436C	690911	16	7679612	G	A				0.7439	1.2937	0.5700	-0.0003	0.0074	0.9700	-0.0173635	0.0147993	0.24	0.000161078	0.00357845	0.96				
rs656964E	795618	6	130349119	C	T				2.4552	2.4786	0.3200	0.0072	0.0142	0.6100	0.00044783	0.028231	0.99	-0.00211764	0.00691475	0.75				
rs6577584	691824	1	6715390	G	T	rs6577585	1.00	rs6577585	A	G	0.0221	1.5596	0.9900	0.0184	0.0089	0.0390	0.0133025	0.0178189	0.46	-0.00083094				

rs7711753	794802	5	122733317	G	A	rs7711753	G	A	1.2010	1.2037	0.3200	-0.0055	0.0069	0.4300	-0.0087081	0.0137058	0.53	0.0035295	0.00331648	0.29
rs7715256	795302	5	153537893	G	T															
rs7716275	781833	5	137631073	G	T															
rs7727781	683127	5	165185571	T	C	rs7727781	C	T	2.7220	1.2022	0.0240	-0.0063	0.0069	0.3600	-0.005493	0.0137468	0.69	-7.7371E-05	0.00332915	0.98
rs7730004	690164	5	437723426	T	C	rs7732426	T	C	1.5296	1.6193	0.3400	-0.0014	0.0092	0.8800	-0.0045206	0.0184158	0.81	0.00327464	0.00449276	0.47
rs7730898	792975	5	170459675	A	G	rs7730898	A	G	0.9160	1.8396	0.6200	-0.0075	0.0105	0.4800	-0.0345313	0.020918	0.099	0.00209005	0.00511415	0.68
rs7748777	790069	6	41133806	A	G	rs7748777	A	G	0.8887	1.2196	0.4700	-0.0059	0.0070	0.4000	0.00505867	0.0139242	0.72	-0.00263795	0.00337791	0.43
rs775731	684541	3	77624784	C	T	rs775731	T	C	0.2365	1.2932	0.8500	0.0012	0.0074	0.8700	-0.0013334	0.014724	0.93	0.00278628	0.00359697	0.44
rs7760082	690649	6	21919387	G	A															
rs7777102	778230	7	73058017	G	A															
rs7779498	671584	7	130408415	C	T	rs35814008	A	C	0.2268	1.6093	0.8900	-0.0003	0.0092	0.9700	-0.0022351	0.018135	0.9	0.00158578	0.00445465	0.72
rs7784465	685477	7	6418275	C	T	rs7784465	C	T	1.1767	4.6377	0.8000	0.0155	0.0266	0.5600	-0.096809	0.0534668	0.07	0.00218544	0.01288	0.09
rs7796608	601887	7	897874	A	G	rs7796608	G	A	1.4350	1.6501	0.3800	-0.0091	0.0095	0.3400	0.0119921	0.0188864	0.53	-0.00800338	0.00455805	0.079
rs7805441	682488	7	78121458	T	C	rs35114939	G	C	0.2132	1.1894	0.8600	-0.0070	0.0068	0.3000	-0.0059875	0.0135541	0.66	0.000203235	0.00329402	0.95
rs7827182	582727	8	8380471	C	G	rs13270194	C	C	0.1980	1.6336	0.9000	0.0092	0.0093	0.3200	-0.0268879	0.018575	0.15	0.000370306	0.00447396	0.93
rs7832003	682766	8	10782004	G	C															
rs7844647	793703	8	34503776	T	C	rs7844647	T	C	0.2188	1.2212	0.8600	-0.0020	0.0070	0.7800	-0.0344164	0.0139496	0.014	0.000320121	0.0033784	0.93
rs785278	690853	1	33307987	T	A	rs811483	C	T	2.6877	1.4582	0.0650	-0.0001	0.0083	0.9900	-0.012326	0.0166427	0.46	-0.00380027	0.00405881	0.35
rs7856157	690934	9	12631560	T	C	rs7856157	T	C	2.5369	6.7246	0.7100	-0.0312	0.0387	0.4200	-0.0099943	0.0770956	0.9	-0.0188701	0.0192391	0.33
rs7869771	679436	9	94180627	A	C	rs7869771	A	C	2.1980	1.3437	0.1000	-0.0043	0.0077	0.5700	0.0107647	0.0153039	0.48	0.00751024	0.00372606	0.44
rs7871866	683494	9	131072982	C	G	rs7871866	C	G	0.6397	1.5427	0.0001	0.0042	0.0088	0.6300	0.00983163	0.01765	0.58	-0.00378042	0.00425516	0.37
rs7874154	685829	9	27777012	C	T	rs10757685	T	C	0.2040	1.9812	0.3000	0.0152	0.0114	0.1800	-0.0307177	0.0227425	0.18	0.00601113	0.0053961	0.28
rs7893571	687864	10	16750129	T	G	rs2356377	T	G	1.8164	1.7138	0.2900	0.0036	0.0098	0.7100	-0.0166279	0.0195066	0.39	-0.00335629	0.00472393	0.48
rs789910E	793689	10	8410904	G	A	rs789910E	G	A	2.2995	6.0627	0.6200	0.0736	0.0343	0.0320	0.00475403	0.0684238	0.94	0.0156147	0.0172805	0.37
rs790314E	795624	10	114758349	C	T															
rs7919	685991	16	70514828	C	A	rs9939726	G	C	0.3989	1.2254	0.7400	-0.0036	0.0070	0.6100	-0.0004722	0.013981	0.97	-0.00132575	0.00339578	0.7
rs7924371	689201	11	49620595	C	T	rs7924371	C	T	1.8308	1.1992	0.1300	-0.0050	0.0069	0.4700	-0.0002287	0.0136932	0.99	0.0031099	0.00331571	0.35
rs793520	687049	10	99032375	A	G	rs793520	A	G	2.0239	7.0106	0.2300	0.0183	0.0097	0.0580	-0.0040897	0.019341	0.83	0.00495633	0.00472553	0.29
rs794103C	795457	11	122522375	C	T	rs794103C	C	T	0.0076	1.3195	1.0000	-0.0028	0.0075	0.7100	-0.0014298	0.0150593	0.92	0.00515324	0.00366304	0.16
rs794812C	756039	11	281607227	T	G	rs1607227	T	G	1.1614	1.2567	0.3600	-0.0067	0.0072	0.3500	-0.0067008	0.0143143	0.64	0.00214192	0.00346956	0.54
rs795820E	682999	12	39329294	A	G	rs795820E	A	G	1.3231	1.1728	0.2600	0.0033	0.0067	0.6200	-0.015596	0.0133736	0.24	-0.00185296	0.0032661	0.57
rs796565E	691448	12	49987929	G	A	rs796565E	G	A	0.4928	1.9239	0.8000	-0.0008	0.0110	0.9400	0.0224076	0.0218524	0.31	-0.00300448	0.00531728	0.57
rs796823C	690439	12	133481917	A	G															
rs7973955	684108	12	118409640	G	A	rs7963783	T	G	2.7258	1.3022	0.0360	0.0034	0.0074	0.6500	0.00187443	0.0148284	0.9	0.00241028	0.00360093	0.5
rs7975187	691440	12	60964108	G	A	rs7975187	A	G	0.5128	1.3253	0.7000	-0.0082	0.0076	0.2800	-9.203E-05	0.015171	1	-0.00262341	0.00366705	0.47
rs799132	685905	14	82684748	T	A	rs799132	T	A	1.9603	1.7306	0.2600	-0.0139	0.0099	0.1600	-0.0034521	0.0196743	0.86	0.00562049	0.00479126	0.24
rs799449	684521	7	44784697	T	C	rs799449	C	T	0.5043	1.4375	0.7300	-0.0002	0.0082	0.9800	0.00885173	0.016448	0.59	-0.00044518	0.00400052	0.91
rs8016771	691604	10	102649451	G	C	rs12887554	C	T	1.1375	2.5894	0.6600	0.0002	0.0148	0.9900	0.00055075	0.0295063	0.99	0.00873368	0.00732521	0.23
rs8016855	781430	14	30484722	C	G															
rs8024932	686606	15	77915282	T	G	rs8024932	G	T	2.2542	1.9146	0.2400	0.0092	0.0110	0.4100	0.0061576	0.0219579	0.78	-0.0051458	0.00529919	0.33
rs803351C	686532	15	61445514	T	C	rs4238351	G	A	1.2765	1.2696	0.3100	0.0110	0.0073	0.1300	-0.0024971	0.014546	0.86	-0.00215128	0.00353244	0.54
rs803604C	691068	15	36402716	A	C															
rs8046061	680891	16	80752293	T	C	rs8046061	T	C	0.1030	1.2853	0.4300	-0.0026	0.0073	0.7200	-0.0211324	0.0146407	0.15	0.00208879	0.00355286	0.56
rs8047395	788556	16	53798523	A	G	rs8047395	A	G	2.1133	1.2362	0.0870	-0.0019	0.0070	0.7800	0.0116357	0.0140673	0.41	9.9699E-05	0.00340161	0.98
rs8067737	649518	17	29349688	T	C	rs8067737	T	C	0.4971	1.2423	0.6900	0.0187	0.0071	0.0085	-0.0188267	0.0141825	0.18	0.000192601	0.00340985	0.95
rs806929E	794875	17	42935059	C	T	rs806929E	C	T	2.0683	1.2291	0.0920	0.0181	0.0070	0.0098	-0.0135893	0.0140243	0.33	-0.00189257	0.00340024	0.58
rs8070454	795617	17	38160754	C	T	rs8070454	C	T	0.3491	1.2002	0.7700	0.0087	0.0068	0.2000	-0.0244395	0.0136755	0.074	-0.00120368	0.00331707	0.72
rs8071182	771437	17	55336155	A	G	rs8071182	A	G	2.0139	1.2929	0.1200	-0.0102	0.0074	0.1600	0.0156384	0.0147254	0.29	-0.00288562	0.00360597	0.42
rs8075273	795026	17	61728881	C	A	rs8075273	C	A	1.9345	2.5556	0.4500	0.0080	0.0145	0.5800	0.0001994	0.0289384	0.99	-0.00342366	0.00696508	0.62
rs8079034	687609	17	5412361	C	A	rs8079034	C	A	0.3510	1.7131	0.8400	0.0006	0.0098	0.9500	0.0157305	0.0195053	0.42	-0.00262460	0.00472465	0.58
rs8081035	677239	17	75995829	T	C	rs8081035	T	C	1.5047	4.6028	0.7400	0.0228	0.0261	0.3800	0.00681464	0.051964	0.9	0.00547674	0.0127653	0.67
rs808755C	681066	18	58371566	C	A	rs808755C	C	A	0.3864	1.2201	0.7800	-0.0161	0.0070	0.0210	0.0249983	0.0139139	0.072	0.000696278	0.00338014	0.84
rs8089514	668999	18	69224478	A	T	rs8089514	A	T	2.8660	1.4954	0.0550	-0.0020	0.0085	0.8100	-0.0146721	0.0170528	0.39	0.000452518	0.00413727	0.91
rs8092502	777619	18	52479487	G	A	rs8092502	G	A	2.4988	1.2243	0.0410	-0.0003	0.0070	0.9700	-0.021487	0.013955	0.12	-0.00116743	0.00338684	0.73

