

**Supplemental Table 5.** Genetic instruments for BMI and GWAS summary data for their association with BMI as the exposure and with sOb-R as the outcome.

SNP	chr	pos	e.a.e	o.a.e	e.a.o	o.a.o	id.exp	eaf.exp	beta.exp	se.exp	p.exp	F statistic	n.exp	id.out	eaf.out	beta.out	se.out	p.out	n.out
rs10009336	4	44480783	T	C	T	C	ieu-b-40	0.1638	-0.014	0.002	2.20E-10	40.5	794766	prot-a-1724	0.1575	0.0188	0.0344	0.589	3301
rs1006896	3	88104411	C	A	C	A	ieu-b-40	0.1061	-0.0234	0.003	5.50E-18	75.1	691892	prot-a-1724	0.1110	-1.00E-04	0.0395	1.000	3301
rs10132280	14	25928179	A	C	A	C	ieu-b-40	0.3017	-0.0223	0.002	5.60E-35	153.5	786578	prot-a-1724	0.3067	-0.026	0.0277	0.347	3301
rs10169594	2	41637688	C	T	C	T	ieu-b-40	0.3596	0.0121	0.002	2.00E-11	45.2	685712	prot-a-1724	0.3752	-0.0102	0.0261	0.692	3301
rs10182181	2	25150296	G	A	G	A	ieu-b-40	0.4753	0.0325	0.002	6.70E-90	412.6	792111	prot-a-1724	0.4870	0.0159	0.0245	0.513	3301
rs10192119	2	164581241	G	T	G	T	ieu-b-40	0.1673	0.0166	0.002	3.00E-14	56.9	795369	prot-a-1724	0.1651	-0.0085	0.0327	0.794	3301
rs10197031	2	105454590	C	T	C	T	ieu-b-40	0.2834	0.0166	0.002	1.90E-18	76.3	691479	prot-a-1724	0.2839	-0.0094	0.0279	0.741	3301
rs10243319	7	147674678	C	T	C	T	ieu-b-40	0.3939	-0.0107	0.002	1.20E-09	35.3	690936	prot-a-1724	0.3852	0.0119	0.0254	0.646	3301
rs10247983	7	114590228	A	G	A	G	ieu-b-40	0.9213	0.0201	0.003	1.70E-09	37.1	672411	prot-a-1724	0.9254	-0.0667	0.0477	0.162	3301
rs10248136	7	39077397	T	C	T	C	ieu-b-40	0.5142	-0.0097	0.002	2.00E-08	32.6	686892	prot-a-1724	0.5202	-0.0168	0.0253	0.501	3301
rs10269783	7	49616203	A	G	A	G	ieu-b-40	0.3896	0.0133	0.002	1.40E-15	61.2	790551	prot-a-1724	0.3857	-0.0074	0.0261	0.776	3301
rs10408324	19	51774806	T	C	T	C	ieu-b-40	0.2744	-0.0124	0.002	9.50E-11	42.6	690737	prot-a-1724	0.2949	-0.011	0.0267	0.676	3301
rs10478110	5	112445734	C	A	C	A	ieu-b-40	0.4348	0.01	0.002	9.60E-09	34.6	680441	prot-a-1724	0.4380	-0.0349	0.0252	0.166	3301
rs1048932	11	115044850	A	C	A	C	ieu-b-40	0.4162	-0.016	0.002	3.80E-22	88.6	795167	prot-a-1724	0.4092	0.0394	0.0251	0.115	3301
rs10492229	12	110602173	T	C	T	C	ieu-b-40	0.2268	0.0142	0.002	7.70E-14	55.9	794845	prot-a-1724	0.2378	0.0267	0.0291	0.355	3301
rs10510419	3	12426936	T	G	T	G	ieu-b-40	0.1416	-0.0177	0.002	2.20E-14	59.2	789318	prot-a-1724	0.1425	0.0068	0.0355	0.851	3301
rs10518694	15	53072673	A	C	A	C	ieu-b-40	0.1424	0.0146	0.003	3.30E-09	34.1	690554	prot-a-1724	0.1450	0.0573	0.0354	0.107	3301
rs1064213	2	198950240	A	G	A	G	ieu-b-40	0.492	0.012	0.002	2.40E-12	49.8	692576	prot-a-1724	0.4689	-0.0343	0.0247	0.166	3301
rs10733051	1	167280354	G	A	G	A	ieu-b-40	0.4802	-0.0097	0.002	2.90E-09	36.8	781928	prot-a-1724	0.5001	0.0104	0.0246	0.676	3301
rs10742752	11	45438374	C	T	C	T	ieu-b-40	0.6159	0.0124	0.002	1.10E-13	53.2	792704	prot-a-1724	0.6194	-0.028	0.025	0.263	3301
rs10747488	1	98299475	A	C	A	C	ieu-b-40	0.7601	-0.0123	0.002	1.20E-09	37.8	689295	prot-a-1724	0.7687	-0.0097	0.03	0.741	3301
rs10750215	11	122505344	T	G	T	G	ieu-b-40	0.3883	0.0108	0.002	1.30E-10	40.4	788895	prot-a-1724	0.3863	-0.0159	0.0255	0.537	3301
rs1075901	17	15943910	C	T	C	T	ieu-b-40	0.5639	0.0121	0.002	1.20E-13	57.2	794789	prot-a-1724	0.5652	-0.0352	0.0248	0.155	3301
rs10768994	11	43936945	C	T	C	T	ieu-b-40	0.4337	-0.0114	0.002	6.40E-12	45.0	791685	prot-a-1724	0.4366	0.0275	0.0255	0.282	3301
rs10795422	10	16759312	G	A	G	A	ieu-b-40	0.6905	0.0139	0.002	9.30E-14	53.5	692108	prot-a-1724	0.6767	-0.005	0.0269	0.851	3301
rs10811871	9	23200766	G	A	G	A	ieu-b-40	0.3829	-0.0108	0.002	1.60E-09	36.0	686376	prot-a-1724	0.3786	0.0145	0.026	0.575	3301
rs10832778	11	17394073	G	C	G	C	ieu-b-40	0.6222	0.0125	0.002	1.30E-13	54.1	783042	prot-a-1724	0.6176	-0.0045	0.0254	0.851	3301
rs10858334	9	137989785	G	C	G	C	ieu-b-40	0.1415	0.0143	0.003	2.70E-08	30.3	672640	prot-a-1724	0.1475	-0.057	0.0358	0.112	3301
rs10867256	9	81367391	T	C	T	C	ieu-b-40	0.553	-0.0118	0.002	8.70E-12	48.2	689493	prot-a-1724	0.5561	0.0292	0.0247	0.234	3301
rs10878946	12	69642315	T	C	T	C	ieu-b-40	0.714	-0.0141	0.002	3.60E-13	55.1	685707	prot-a-1724	0.7161	-0.0079	0.0279	0.776	3301
rs10914462	1	32125943	G	A	G	A	ieu-b-40	0.4255	-0.0112	0.002	1.50E-10	43.4	689808	prot-a-1724	0.4243	-0.0085	0.0248	0.724	3301
rs10915840	1	225668524	A	G	A	G	ieu-b-40	0.283	-0.0118	0.002	1.30E-09	38.6	684857	prot-a-1724	0.2796	0.0556	0.028	0.047	3301

rs10920678	1	190239907	G	A	G	A	ieu-b-40	0.5709	-0.0155	0.002	1.50E-21	93.8	788624	prot-a-1724	0.5814	-0.0416	0.0252	0.100	3301
rs10938397	4	45182527	G	A	G	A	ieu-b-40	0.4317	0.0324	0.002	3.40E-86	410.1	793518	prot-a-1724	0.4322	1.00E-04	0.026	1.000	3301
rs10942267	5	80841914	G	A	G	A	ieu-b-40	0.3088	-0.0156	0.002	3.90E-17	67.4	689084	prot-a-1724	0.3174	-0.0169	0.0271	0.537	3301
rs10953740	7	113460282	G	A	G	A	ieu-b-40	0.5534	-0.0153	0.002	1.00E-18	81.0	684419	prot-a-1724	0.5541	0.0032	0.0247	0.891	3301
rs10962550	9	16720329	C	G	C	G	ieu-b-40	0.1801	0.0182	0.002	6.20E-16	68.4	690579	prot-a-1724	0.1860	-0.0149	0.0321	0.646	3301
rs10968114	9	27800007	C	A	C	A	ieu-b-40	0.4681	-0.0113	0.002	6.10E-11	44.2	686025	prot-a-1724	0.4675	-0.0148	0.0252	0.562	3301
rs10971709	9	33804813	T	C	T	C	ieu-b-40	0.2062	0.0132	0.002	6.20E-10	39.5	688312	prot-a-1724	0.2134	-0.0049	0.0301	0.871	3301
rs10984756	9	122651784	G	C	G	C	ieu-b-40	0.1048	0.0174	0.003	1.10E-09	36.0	689917	prot-a-1724	0.1031	-0.0024	0.0411	0.955	3301
rs11030618	11	29243293	T	C	T	C	ieu-b-40	0.5679	0.011	0.002	2.40E-10	41.9	690005	prot-a-1724	0.5573	-0.0011	0.0249	0.955	3301
rs11066188	12	112610714	A	G	A	G	ieu-b-40	0.4181	-0.012	0.002	8.10E-13	49.8	792755	prot-a-1724	0.4113	0.0285	0.0251	0.257	3301
rs11084553	19	31019780	G	A	G	A	ieu-b-40	0.1518	-0.021	0.002	1.80E-18	76.6	691103	prot-a-1724	0.1466	-1.00E-04	0.0352	1.000	3301
rs11105839	12	91237920	A	T	A	T	ieu-b-40	0.3799	-0.0109	0.002	1.10E-10	41.1	781573	prot-a-1724	0.3760	0.0178	0.0261	0.490	3301
rs11115176	12	82465797	C	T	C	T	ieu-b-40	0.2399	-0.0121	0.002	2.00E-10	40.6	792384	prot-a-1724	0.2454	0.0332	0.029	0.251	3301
rs11118308	1	219633869	G	A	G	A	ieu-b-40	0.4703	-0.0101	0.002	4.80E-10	39.8	794625	prot-a-1724	0.4533	-0.0177	0.0247	0.479	3301
rs1112613	13	53651850	A	G	A	G	ieu-b-40	0.1762	-0.0133	0.002	3.40E-09	33.4	682816	prot-a-1724	0.1797	0.0131	0.0327	0.692	3301
rs11150911	18	73498528	C	A	C	A	ieu-b-40	0.7191	-0.0133	0.002	4.70E-13	54.6	781716	prot-a-1724	0.7130	0.0051	0.0276	0.851	3301
rs11165643	1	96924097	T	C	T	C	ieu-b-40	0.5828	0.0206	0.002	1.40E-35	146.8	792657	prot-a-1724	0.5875	-0.0163	0.0249	0.513	3301
rs11170468	12	39430048	C	A	C	A	ieu-b-40	0.2326	-0.0123	0.002	1.90E-10	41.9	795265	prot-a-1724	0.2382	0.0112	0.0286	0.692	3301
rs11173522	12	60953472	A	C	A	C	ieu-b-40	0.2078	0.0128	0.002	1.10E-09	37.2	691593	prot-a-1724	0.2258	-0.0013	0.0299	0.977	3301
rs11185111	1	107962328	A	G	A	G	ieu-b-40	0.3042	-0.0129	0.002	7.70E-12	46.1	686508	prot-a-1724	0.3204	-0.0077	0.0282	0.776	3301
rs11251352	10	2585792	G	A	G	A	ieu-b-40	0.5988	0.0109	0.002	7.00E-10	36.7	690804	prot-a-1724	0.5997	-0.0294	0.0254	0.245	3301
rs11496125	7	103417557	T	C	T	C	ieu-b-40	0.4212	0.0169	0.002	3.00E-22	98.8	684574	prot-a-1724	0.4288	0.0346	0.0252	0.170	3301
rs11505821	7	76818677	T	A	T	A	ieu-b-40	0.0601	0.0311	0.004	2.70E-19	79.0	758322	prot-a-1724	0.0688	0.0596	0.049	0.224	3301
rs11538	22	18220831	G	A	G	A	ieu-b-40	0.1805	0.0135	0.002	3.30E-09	34.5	692349	prot-a-1724	0.1737	-0.0176	0.0324	0.589	3301
rs1158805	18	40736590	A	C	A	C	ieu-b-40	0.3766	-0.0137	0.002	1.20E-14	57.9	691776	prot-a-1724	0.3718	-0.0079	0.0258	0.759	3301
rs11609659	12	108296260	C	T	C	T	ieu-b-40	0.2371	-0.0154	0.002	2.20E-14	59.3	679177	prot-a-1724	0.2382	0.007	0.0293	0.813	3301
rs11611246	12	939480	T	G	T	G	ieu-b-40	0.21	0.024	0.002	5.00E-32	144.0	779823	prot-a-1724	0.2094	-0.0332	0.03	0.269	3301
rs11615578	12	121714935	T	C	T	C	ieu-b-40	0.2474	0.013	0.002	8.10E-11	42.3	669422	prot-a-1724	0.2619	0.0087	0.0289	0.759	3301
rs11656076	17	31464270	A	G	A	G	ieu-b-40	0.2254	-0.0142	0.002	5.60E-12	45.7	691283	prot-a-1724	0.2255	-0.0332	0.0297	0.263	3301
rs11672660	19	46180184	T	C	T	C	ieu-b-40	0.2049	-0.034	0.002	1.70E-60	262.1	768426	prot-a-1724	0.1917	-0.0051	0.0313	0.871	3301
rs11713193	3	49924424	A	G	A	G	ieu-b-40	0.5073	0.0239	0.002	2.40E-44	197.7	692159	prot-a-1724	0.5110	-0.0365	0.0245	0.138	3301
rs11736228	4	147376805	T	A	T	A	ieu-b-40	0.2587	-0.0139	0.002	4.10E-12	48.3	691580	prot-a-1724	0.2571	0.0196	0.0284	0.490	3301
rs11738695	5	108699161	A	C	A	C	ieu-b-40	0.586	0.0097	0.002	2.00E-08	32.6	691380	prot-a-1724	0.5893	0.0134	0.0256	0.603	3301
rs11739877	5	105876806	T	C	T	C	ieu-b-40	0.6118	0.0117	0.002	6.60E-11	42.3	692540	prot-a-1724	0.6175	-0.0353	0.0257	0.170	3301

rs11781699	8	118863061	C	T	C	T	ieu-b-40	0.1896	0.0132	0.002	3.10E-10	39.5	784642	prot-a-1724	0.1878	0.0137	0.0319	0.661	3301
rs11855853	15	78012618	T	C	T	C	ieu-b-40	0.2649	-0.0145	0.002	2.40E-13	52.6	682564	prot-a-1724	0.2635	-0.0121	0.0287	0.676	3301
rs1187352	9	87293457	C	T	C	T	ieu-b-40	0.6518	0.0119	0.002	6.00E-11	43.7	688522	prot-a-1724	0.6442	-0.0349	0.0256	0.174	3301
rs11880870	19	18830704	G	A	G	A	ieu-b-40	0.4801	-0.0189	0.002	1.00E-28	123.6	717350	prot-a-1724	0.4778	0.0404	0.0247	0.102	3301
rs11889536	2	220163543	G	A	G	A	ieu-b-40	0.1493	-0.0189	0.002	6.40E-15	62.0	688977	prot-a-1724	0.1514	0.0089	0.0344	0.794	3301
rs11908637	20	47428485	A	G	A	G	ieu-b-40	0.236	-0.012	0.002	4.90E-09	32.7	691443	prot-a-1724	0.2447	-0.0015	0.0285	0.955	3301
rs11945861	4	65700865	A	G	A	G	ieu-b-40	0.2369	-0.0148	0.002	5.00E-13	54.8	682451	prot-a-1724	0.2387	0.008	0.0295	0.794	3301
rs11951673	5	95861012	T	C	T	C	ieu-b-40	0.3941	-0.0123	0.002	1.10E-13	52.3	792278	prot-a-1724	0.4103	0.0607	0.025	0.015	3301
rs12033257	1	112318484	G	A	G	A	ieu-b-40	0.3835	-0.0146	0.002	2.40E-15	65.8	664083	prot-a-1724	0.3886	0.0341	0.0261	0.191	3301
rs12041258	1	195047936	C	T	C	T	ieu-b-40	0.2287	-0.0146	0.002	9.50E-13	53.3	688602	prot-a-1724	0.2339	-0.0166	0.0295	0.575	3301
rs12044597	1	1708801	G	A	G	A	ieu-b-40	0.5029	0.0143	0.002	1.70E-18	79.9	789125	prot-a-1724	0.5154	-0.0035	0.0244	0.891	3301
rs12049202	1	77967523	T	C	T	C	ieu-b-40	0.203	0.024	0.002	1.00E-28	119.0	691566	prot-a-1724	0.1950	0.0234	0.0312	0.457	3301
rs12098284	10	76047464	T	C	T	C	ieu-b-40	0.1241	0.0178	0.003	1.80E-11	46.9	686167	prot-a-1724	0.1235	-0.0039	0.0372	0.912	3301
rs12150665	17	34914787	C	T	C	T	ieu-b-40	0.4058	-0.0162	0.002	1.60E-22	90.8	795501	prot-a-1724	0.4030	0.0391	0.0252	0.120	3301
rs1218822	13	28011963	A	G	A	G	ieu-b-40	0.6663	0.0168	0.002	1.90E-22	97.7	794711	prot-a-1724	0.6653	0.0162	0.0264	0.537	3301
rs12299814	12	90216146	A	C	A	C	ieu-b-40	0.2525	-0.0157	0.002	5.20E-15	61.6	687962	prot-a-1724	0.2508	0.0067	0.028	0.813	3301
rs12328930	2	175079125	C	T	C	T	ieu-b-40	0.4235	0.0098	0.002	1.80E-08	33.2	690521	prot-a-1724	0.4149	0.015	0.0248	0.550	3301
rs12334877	8	67194171	A	G	A	G	ieu-b-40	0.198	-0.0144	0.002	7.70E-11	42.8	683820	prot-a-1724	0.1918	-0.0548	0.032	0.087	3301
rs12364470	11	134601012	G	T	G	T	ieu-b-40	0.1626	0.0178	0.002	1.10E-15	65.5	787411	prot-a-1724	0.1670	0.0156	0.0331	0.631	3301
rs12369179	12	122963550	T	C	T	C	ieu-b-40	0.0878	-0.0359	0.003	2.50E-31	134.1	674260	prot-a-1724	0.0924	-0.0315	0.0425	0.457	3301
rs12416812	11	888632	A	G	A	G	ieu-b-40	0.5088	0.0111	0.002	6.10E-12	48.1	793338	prot-a-1724	0.4973	0.0242	0.0245	0.324	3301
rs1241986	18	6873954	A	G	A	G	ieu-b-40	0.8479	-0.0139	0.002	1.10E-08	33.5	687757	prot-a-1724	0.8429	0.03	0.0345	0.380	3301
rs12422552	12	14413931	C	G	C	G	ieu-b-40	0.2663	-0.0134	0.002	1.60E-11	44.9	689543	prot-a-1724	0.2623	0.0192	0.0281	0.490	3301
rs12429545	13	54102206	A	G	A	G	ieu-b-40	0.1248	0.0316	0.003	9.60E-38	159.8	778918	prot-a-1724	0.1332	0.0422	0.0373	0.257	3301
rs12448257	16	3599655	A	G	A	G	ieu-b-40	0.218	0.0184	0.002	8.10E-20	84.6	779628	prot-a-1724	0.2257	-0.0399	0.0299	0.182	3301
rs12546578	8	85085268	A	T	A	T	ieu-b-40	0.7246	0.0146	0.002	1.00E-13	53.3	689192	prot-a-1724	0.7313	0.0015	0.0282	0.955	3301
rs12564992	1	174478100	G	A	G	A	ieu-b-40	0.1144	0.0196	0.003	5.30E-14	56.8	795119	prot-a-1724	0.1144	0.0598	0.0391	0.126	3301
rs12593036	15	81058652	G	A	G	A	ieu-b-40	0.2993	-0.0154	0.002	3.80E-16	65.7	686055	prot-a-1724	0.3020	0.0289	0.0272	0.288	3301
rs12602912	17	65870073	T	C	T	C	ieu-b-40	0.2048	0.0176	0.002	9.90E-18	70.2	777510	prot-a-1724	0.1852	0.0108	0.0312	0.724	3301
rs1260326	2	27730940	C	T	C	T	ieu-b-40	0.5973	0.0105	0.002	3.90E-10	38.1	784462	prot-a-1724	0.5985	-0.0955	0.0253	0.000	3301
rs12629015	3	119618053	G	A	G	A	ieu-b-40	0.1852	-0.0135	0.002	2.10E-09	34.5	691059	prot-a-1724	0.1751	-0.0133	0.0324	0.676	3301
rs1266874	6	51779638	G	A	G	A	ieu-b-40	0.3558	0.014	0.002	9.80E-15	60.5	691020	prot-a-1724	0.3561	0.0759	0.0259	0.003	3301
rs12675063	8	132879047	T	A	T	A	ieu-b-40	0.1131	0.0156	0.003	1.30E-09	36.0	789771	prot-a-1724	0.1133	-0.0669	0.0384	0.081	3301
rs1268065	6	126042783	A	G	A	G	ieu-b-40	0.4794	-0.0102	0.002	1.00E-09	36.0	759626	prot-a-1724	0.4712	-0.0086	0.0249	0.724	3301

rs12680842	8	95582606	G	A	G	A	ieu-b-40	0.3205	-0.0133	0.002	4.40E-14	54.6	782549	prot-a-1724	0.3182	0.0032	0.0263	0.912	3301
rs12718572	7	50573325	T	C	T	C	ieu-b-40	0.4024	-0.0117	0.002	3.00E-11	42.3	686523	prot-a-1724	0.3980	-0.0448	0.0254	0.078	3301
rs12762034	10	33969931	C	T	C	T	ieu-b-40	0.0758	0.024	0.003	7.30E-14	56.3	692191	prot-a-1724	0.0767	-0.0132	0.0467	0.776	3301
rs12779328	10	12943973	T	C	T	C	ieu-b-40	0.2833	0.0105	0.002	4.50E-08	30.5	690736	prot-a-1724	0.2839	-0.007	0.0275	0.794	3301
rs1285997	14	91513029	G	C	G	C	ieu-b-40	0.7153	0.0142	0.002	1.20E-13	55.9	684235	prot-a-1724	0.7087	-0.042	0.0274	0.126	3301
rs12888545	14	88308044	G	A	G	A	ieu-b-40	0.2519	0.0136	0.002	9.10E-12	46.2	688605	prot-a-1724	0.2498	0.0118	0.0283	0.676	3301
rs12888955	14	103256877	A	G	A	G	ieu-b-40	0.6513	-0.0178	0.002	1.40E-22	97.8	691849	prot-a-1724	0.6616	0.0777	0.026	0.003	3301
rs12905439	15	99521883	G	C	G	C	ieu-b-40	0.3393	-0.0118	0.002	1.40E-10	43.0	675205	prot-a-1724	0.3672	-0.0211	0.0256	0.407	3301
rs12914489	15	74187937	A	G	A	G	ieu-b-40	0.1103	0.0165	0.003	3.80E-10	40.3	795244	prot-a-1724	0.1011	-0.0179	0.0418	0.676	3301
rs12922346	16	82438337	C	G	C	G	ieu-b-40	0.2657	0.0136	0.002	1.00E-11	46.2	679615	prot-a-1724	0.2780	-0.001	0.0285	0.977	3301
rs12933482	16	72189604	G	A	G	A	ieu-b-40	0.1048	0.0186	0.003	4.90E-11	44.1	691477	prot-a-1724	0.1011	-0.0539	0.0411	0.191	3301
rs12936083	17	4801887	G	A	G	A	ieu-b-40	0.3267	0.0139	0.002	4.10E-13	53.5	633615	prot-a-1724	0.3269	0.0222	0.0263	0.398	3301
rs12939549	17	78611724	G	A	G	A	ieu-b-40	0.4335	-0.018	0.002	2.70E-28	126.6	793950	prot-a-1724	0.4421	0	0.0249	1.000	3301
rs1296328	4	137083193	C	A	C	A	ieu-b-40	0.5657	-0.0179	0.002	4.90E-24	98.9	683488	prot-a-1724	0.5651	-0.0092	0.025	0.708	3301
rs12981256	19	1865901	A	G	A	G	ieu-b-40	0.5325	0.0142	0.002	1.10E-15	62.2	678327	prot-a-1724	0.5379	0.0264	0.0248	0.288	3301
rs13021737	2	632348	G	A	G	A	ieu-b-40	0.8319	0.0574	0.002	7.50E-157	747.1	789534	prot-a-1724	0.8326	-0.0268	0.0333	0.417	3301
rs13047416	21	40309436	G	C	G	C	ieu-b-40	0.3769	-0.0154	0.002	2.20E-17	73.2	683228	prot-a-1724	0.3733	-0.0328	0.0259	0.204	3301
rs13069244	3	180441172	A	G	A	G	ieu-b-40	0.0775	0.0187	0.003	3.00E-09	34.1	791327	prot-a-1724	0.0803	0.0258	0.0457	0.575	3301
rs13107325	4	103188709	T	C	T	C	ieu-b-40	0.0737	0.047	0.003	1.10E-47	215.7	792045	prot-a-1724	0.0763	0.0586	0.047	0.214	3301
rs13110266	4	162129844	A	G	A	G	ieu-b-40	0.4065	-0.0117	0.002	1.90E-12	47.4	791087	prot-a-1724	0.4200	0.0193	0.0258	0.457	3301
rs13132853	4	38680015	G	A	G	A	ieu-b-40	0.3452	-0.0142	0.002	4.70E-15	62.2	682543	prot-a-1724	0.3594	0.0057	0.0258	0.832	3301
rs13147390	4	80712000	C	T	C	T	ieu-b-40	0.3569	0.0103	0.002	1.00E-08	32.7	681032	prot-a-1724	0.3738	4.00E-04	0.0257	1.000	3301
rs13174863	5	139080745	G	A	G	A	ieu-b-40	0.1548	0.0192	0.002	2.90E-16	69.7	773762	prot-a-1724	0.1500	0.0244	0.0359	0.501	3301
rs13184896	5	122734005	T	G	T	G	ieu-b-40	0.4346	-0.0133	0.002	3.30E-16	69.1	794825	prot-a-1724	0.4313	0.02	0.0252	0.427	3301
rs13191362	6	163033350	G	A	G	A	ieu-b-40	0.1198	-0.0236	0.003	5.90E-21	89.1	792699	prot-a-1724	0.1224	0.0845	0.0376	0.025	3301
rs1320903	3	131758077	A	G	A	G	ieu-b-40	0.3174	0.0216	0.002	9.20E-32	144.0	691519	prot-a-1724	0.3252	-0.0097	0.0266	0.724	3301
rs1321432	20	6614691	C	A	C	A	ieu-b-40	0.6321	0.0201	0.002	3.50E-29	124.7	686481	prot-a-1724	0.6254	0.0112	0.0255	0.661	3301
rs13240600	7	99064466	G	A	G	A	ieu-b-40	0.1552	-0.0204	0.002	3.50E-17	72.3	692233	prot-a-1724	0.1479	-0.0347	0.0351	0.324	3301
rs13250058	8	112270826	T	G	T	G	ieu-b-40	0.6771	0.0112	0.002	2.90E-10	38.7	787870	prot-a-1724	0.6834	0.0042	0.0265	0.871	3301
rs13263601	8	14095900	C	A	C	A	ieu-b-40	0.3478	0.0154	0.002	2.20E-17	73.2	686196	prot-a-1724	0.3545	0.0069	0.026	0.794	3301
rs1327259	6	51177811	G	A	G	A	ieu-b-40	0.3872	-0.0155	0.002	1.70E-18	74.2	685922	prot-a-1724	0.3854	-0.013	0.0257	0.617	3301
rs13287131	9	92119579	C	T	C	T	ieu-b-40	0.2491	0.0123	0.002	6.80E-10	37.8	683808	prot-a-1724	0.2506	-0.0399	0.0288	0.166	3301
rs1330052	13	86536006	G	C	G	C	ieu-b-40	0.3504	0.0132	0.002	1.50E-13	53.8	691613	prot-a-1724	0.3577	0.0074	0.0256	0.776	3301
rs13329567	15	68104367	T	C	T	C	ieu-b-40	0.2308	-0.0293	0.002	1.00E-50	214.6	793953	prot-a-1724	0.2180	0.0205	0.0297	0.490	3301

rs1365466	18	36182440	T	C	T	C	ieu-b-40	0.7406	-0.0137	0.002	3.30E-13	52.0	791868	prot-a-1724	0.7395	-0.0164	0.0279	0.562	3301
rs1371108	2	81816251	A	C	A	C	ieu-b-40	0.3247	0.0119	0.002	9.00E-11	43.7	684620	prot-a-1724	0.3294	-0.0261	0.0263	0.316	3301
rs1409818	20	21381121	T	C	T	C	ieu-b-40	0.1156	0.0201	0.003	2.50E-12	48.0	690984	prot-a-1724	0.1046	0.0344	0.041	0.398	3301
rs1412235	9	28410996	C	G	C	G	ieu-b-40	0.3175	0.0246	0.002	6.00E-45	209.4	790147	prot-a-1724	0.3170	0.0656	0.0263	0.013	3301
rs1421334	8	30865733	C	A	C	A	ieu-b-40	0.5431	-0.0125	0.002	1.00E-12	48.2	680665	prot-a-1724	0.5529	0.0036	0.0253	0.891	3301
rs1430387	18	58227112	C	T	C	T	ieu-b-40	0.4295	-0.0114	0.002	5.80E-11	45.0	689325	prot-a-1724	0.4301	-0.0063	0.025	0.794	3301
rs1431659	8	73439070	G	A	G	A	ieu-b-40	0.7344	-0.0196	0.002	6.00E-24	106.4	689739	prot-a-1724	0.7302	0.0395	0.028	0.158	3301
rs1445652	2	155668460	A	G	A	G	ieu-b-40	0.1855	0.0123	0.002	4.30E-08	31.3	682166	prot-a-1724	0.1897	-0.0095	0.032	0.759	3301
rs1452075	3	62481063	T	C	T	C	ieu-b-40	0.7277	0.0141	0.002	1.30E-14	61.4	783729	prot-a-1724	0.7322	-0.0161	0.0278	0.562	3301
rs1465900	11	76473138	C	A	C	A	ieu-b-40	0.2188	-0.0125	0.002	4.80E-10	39.1	779748	prot-a-1724	0.2189	0.0048	0.0308	0.871	3301
rs1472169	9	37209396	T	C	T	C	ieu-b-40	0.3772	-0.0139	0.002	2.80E-15	59.6	689945	prot-a-1724	0.3731	-0.0015	0.0252	0.955	3301
rs1476322	3	161446055	A	G	A	G	ieu-b-40	0.569	0.0101	0.002	5.00E-09	35.3	692523	prot-a-1724	0.5542	0.0086	0.025	0.724	3301
rs1477199	16	53712135	G	A	G	A	ieu-b-40	0.1451	0.0228	0.002	9.40E-22	90.3	794442	prot-a-1724	0.1471	0.0422	0.0349	0.224	3301
rs1492767	4	55221467	T	C	T	C	ieu-b-40	0.4957	0.0094	0.002	1.00E-08	34.5	794161	prot-a-1724	0.5110	-0.0154	0.0259	0.550	3301
rs1503526	5	63020706	C	T	C	T	ieu-b-40	0.4838	0.014	0.002	5.50E-17	67.8	747347	prot-a-1724	0.4725	-0.003	0.0251	0.912	3301
rs1522569	4	171632637	G	T	G	T	ieu-b-40	0.1819	-0.0164	0.002	2.90E-13	55.6	689573	prot-a-1724	0.1929	-0.0045	0.0312	0.891	3301
rs1528435	2	181550962	T	C	T	C	ieu-b-40	0.6331	0.0164	0.002	9.10E-23	93.1	794198	prot-a-1724	0.6188	0.0166	0.0252	0.513	3301
rs1535660	9	10371073	C	T	C	T	ieu-b-40	0.8554	-0.0147	0.003	5.20E-09	34.6	690624	prot-a-1724	0.8588	0.0051	0.036	0.891	3301
rs1538247	6	153395344	C	T	C	T	ieu-b-40	0.3181	0.0108	0.002	1.00E-08	32.3	682726	prot-a-1724	0.3093	-0.0034	0.0264	0.891	3301
rs1552893	3	194851700	G	A	G	A	ieu-b-40	0.2777	-0.0126	0.002	8.10E-11	44.0	691313	prot-a-1724	0.2735	-0.0051	0.0281	0.851	3301
rs156201	6	104847441	C	G	C	G	ieu-b-40	0.7606	0.0123	0.002	5.80E-10	37.8	691835	prot-a-1724	0.7368	-0.0099	0.0288	0.724	3301
rs1624134	10	34834482	C	G	C	G	ieu-b-40	0.4068	0.0101	0.002	1.10E-08	31.5	690572	prot-a-1724	0.3895	0.0267	0.0253	0.288	3301
rs1656377	3	158285280	C	T	C	T	ieu-b-40	0.5885	0.0099	0.002	1.60E-08	33.9	691955	prot-a-1724	0.5873	-0.0229	0.025	0.363	3301
rs1681740	10	118564313	C	A	C	A	ieu-b-40	0.3933	-0.0115	0.002	1.10E-10	40.8	673459	prot-a-1724	0.3919	0.0122	0.0263	0.646	3301
rs16849710	1	202106797	G	A	G	A	ieu-b-40	0.515	-0.0116	0.002	6.00E-11	41.5	666229	prot-a-1724	0.5276	0.0083	0.0253	0.741	3301
rs16851483	3	141275436	T	G	T	G	ieu-b-40	0.0693	0.0369	0.004	3.20E-26	111.2	692316	prot-a-1724	0.0673	0.0446	0.0491	0.363	3301
rs16871902	5	3488462	A	G	A	G	ieu-b-40	0.4877	0.0125	0.002	4.60E-13	54.1	690830	prot-a-1724	0.4892	0.033	0.0244	0.178	3301
rs16903285	5	87978252	C	T	C	T	ieu-b-40	0.1407	0.0331	0.003	7.60E-38	162.1	687944	prot-a-1724	0.1365	0.0033	0.0361	0.933	3301
rs16953563	15	66686770	A	G	A	G	ieu-b-40	0.2516	-0.0134	0.002	1.50E-11	44.9	691761	prot-a-1724	0.2626	0.0139	0.0288	0.631	3301
rs17001561	4	77096118	A	G	A	G	ieu-b-40	0.1573	0.0151	0.002	3.80E-11	43.1	794327	prot-a-1724	0.1457	-0.0626	0.0349	0.072	3301
rs17014375	1	209543560	G	T	G	T	ieu-b-40	0.1348	0.0172	0.003	1.10E-11	47.3	690856	prot-a-1724	0.1408	-0.0121	0.0354	0.724	3301
rs17033117	3	35443653	T	C	T	C	ieu-b-40	0.1872	0.0137	0.002	8.90E-10	38.8	691863	prot-a-1724	0.1844	-0.0111	0.0323	0.724	3301
rs17056301	5	158271680	C	T	C	T	ieu-b-40	0.2636	0.0118	0.002	2.40E-09	34.8	688085	prot-a-1724	0.2525	-0.0347	0.0285	0.224	3301
rs17113297	10	102395982	T	C	T	C	ieu-b-40	0.2082	0.0166	0.002	2.10E-15	62.5	686357	prot-a-1724	0.2230	-0.0291	0.0297	0.331	3301

rs17119937	8	14502274	C	T	C	T	ieu-b-40	0.0691	0.0212	0.004	5.60E-09	34.7	668272	prot-a-1724	0.0582	-0.0106	0.0546	0.851	3301
rs17203016	2	208255518	G	A	G	A	ieu-b-40	0.196	0.015	0.002	2.10E-13	56.3	786272	prot-a-1724	0.2032	-0.0208	0.0314	0.501	3301
rs17207196	7	75101065	T	C	T	C	ieu-b-40	0.4118	-0.0221	0.002	2.10E-35	150.7	668894	prot-a-1724	0.4154	0.0219	0.0247	0.372	3301
rs17238110	15	62150364	G	A	G	A	ieu-b-40	0.1634	-0.0353	0.005	2.00E-12	49.8	775505	prot-a-1724	0.0241	-0.0894	0.079	0.257	3301
rs17311369	15	47709199	T	C	T	C	ieu-b-40	0.3278	-0.0104	0.002	3.10E-08	30.0	673102	prot-a-1724	0.3351	-0.0254	0.0265	0.339	3301
rs17399237	2	35471626	C	T	C	T	ieu-b-40	0.5497	-0.0129	0.002	6.70E-14	57.6	690950	prot-a-1724	0.5529	0.0102	0.0249	0.676	3301
rs17405819	8	76806584	C	T	C	T	ieu-b-40	0.301	-0.0215	0.002	4.30E-33	142.7	795493	prot-a-1724	0.2884	-0.0601	0.0271	0.026	3301
rs17424296	5	60838903	A	G	A	G	ieu-b-40	0.3659	-0.0108	0.002	2.40E-09	36.0	684366	prot-a-1724	0.3613	-0.0392	0.0265	0.138	3301
rs17425707	1	57874879	C	T	C	T	ieu-b-40	0.1003	0.0167	0.003	4.40E-09	35.6	688867	prot-a-1724	0.1013	-0.0594	0.0413	0.151	3301
rs17446257	13	40749213	A	G	A	G	ieu-b-40	0.1292	0.0153	0.003	2.90E-09	34.6	690630	prot-a-1724	0.1282	0.0478	0.0373	0.200	3301
rs17499593	2	172649755	G	C	G	C	ieu-b-40	0.1897	0.0125	0.002	1.10E-08	32.3	691663	prot-a-1724	0.2019	-0.0111	0.0305	0.708	3301
rs17513613	19	30286822	C	T	C	T	ieu-b-40	0.3236	0.0186	0.002	3.60E-26	106.8	789575	prot-a-1724	0.3276	-0.0258	0.0263	0.324	3301
rs175165	22	20116015	G	T	G	T	ieu-b-40	0.3941	-0.0103	0.002	5.20E-09	32.7	690545	prot-a-1724	0.3949	0.02	0.0253	0.427	3301
rs17535749	3	10027724	A	G	A	G	ieu-b-40	0.1023	0.015	0.003	2.50E-08	30.9	777038	prot-a-1724	0.1112	0.0035	0.0392	0.933	3301
rs17551974	2	142293146	A	C	A	C	ieu-b-40	0.1782	-0.0141	0.002	1.90E-10	41.1	691115	prot-a-1724	0.1896	0.0318	0.0315	0.316	3301
rs17636031	10	126594078	C	T	C	T	ieu-b-40	0.2701	0.016	0.002	1.20E-17	70.9	782807	prot-a-1724	0.2905	-0.0013	0.0274	0.955	3301
rs17663412	5	167595121	A	C	A	C	ieu-b-40	0.1139	0.0157	0.003	6.10E-09	33.8	691018	prot-a-1724	0.1125	0.0103	0.0395	0.794	3301
rs17710386	18	63461201	C	T	C	T	ieu-b-40	0.3319	0.0126	0.002	1.00E-12	49.0	783810	prot-a-1724	0.3191	-0.0062	0.0262	0.813	3301
rs17724992	19	18454825	G	A	G	A	ieu-b-40	0.2596	-0.0183	0.002	1.00E-22	92.8	785851	prot-a-1724	0.2721	-0.0062	0.0277	0.832	3301
rs17789218	6	100600097	C	T	C	T	ieu-b-40	0.2392	0.013	0.002	7.40E-12	46.8	793904	prot-a-1724	0.2600	0.0019	0.0283	0.955	3301
rs17806379	20	51107290	T	C	T	C	ieu-b-40	0.1789	-0.0258	0.002	1.50E-30	137.5	690043	prot-a-1724	0.1866	-0.0068	0.0317	0.832	3301
rs1784460	11	118938371	A	T	A	T	ieu-b-40	0.4035	0.0132	0.002	9.00E-14	53.8	680042	prot-a-1724	0.4090	-0.0208	0.0252	0.407	3301
rs1804528	4	146056320	A	G	A	G	ieu-b-40	0.3507	0.0109	0.002	3.00E-08	29.7	518856	prot-a-1724	0.3648	0.0087	0.0257	0.741	3301
rs1830074	7	6718674	C	T	C	T	ieu-b-40	0.288	0.0115	0.002	1.40E-09	36.6	689911	prot-a-1724	0.3044	0.0124	0.0272	0.646	3301
rs1836303	15	46539116	G	A	G	A	ieu-b-40	0.3873	0.0116	0.002	5.30E-11	41.5	688991	prot-a-1724	0.3969	-0.0271	0.0256	0.288	3301
rs1843328	12	17111188	A	C	A	C	ieu-b-40	0.5085	-0.0099	0.002	7.90E-09	33.9	686814	prot-a-1724	0.5030	0.0048	0.0253	0.851	3301
rs1863652	4	95991417	A	G	A	G	ieu-b-40	0.3449	-0.0115	0.002	1.40E-10	40.8	692539	prot-a-1724	0.3463	-0.0064	0.0262	0.813	3301
rs1884389	20	1410582	T	C	T	C	ieu-b-40	0.4289	-0.0103	0.002	4.00E-09	36.7	683669	prot-a-1724	0.4336	-0.0082	0.0252	0.741	3301
rs1885728	6	5977833	A	G	A	G	ieu-b-40	0.6787	0.0108	0.002	1.00E-08	32.3	682316	prot-a-1724	0.6718	-0.0188	0.0274	0.490	3301
rs1891216	1	7728391	G	T	G	T	ieu-b-40	0.3759	0.0107	0.002	2.40E-09	35.3	685079	prot-a-1724	0.3833	0.0098	0.0255	0.708	3301
rs1896767	16	62838304	A	G	A	G	ieu-b-40	0.5376	-0.0109	0.002	2.40E-10	41.1	686262	prot-a-1724	0.5429	-0.0476	0.0252	0.059	3301
rs1927790	13	96922191	C	T	C	T	ieu-b-40	0.4109	0.0148	0.002	1.80E-19	85.6	794326	prot-a-1724	0.4206	-0.0098	0.0245	0.692	3301
rs1928295	9	120378483	C	T	C	T	ieu-b-40	0.4461	-0.0141	0.002	5.40E-18	77.7	793649	prot-a-1724	0.4302	0.0078	0.0246	0.759	3301
rs1937683	10	53679060	T	C	T	C	ieu-b-40	0.6699	0.0109	0.002	3.20E-09	36.7	692539	prot-a-1724	0.6665	0.0693	0.0266	0.009	3301

rs1948080	9	11852043	G	T	G	T	ieu-b-40	0.3749	-0.0137	0.002	1.10E-14	57.9	690633	prot-a-1724	0.3703	0.0083	0.0259	0.741	3301
rs1982441	8	28021769	T	G	T	G	ieu-b-40	0.1381	0.0175	0.003	7.00E-12	45.3	687705	prot-a-1724	0.1304	-0.0187	0.0378	0.617	3301
rs1982725	19	30618771	T	C	T	C	ieu-b-40	0.4778	0.0097	0.002	3.30E-08	32.6	683155	prot-a-1724	0.4669	0.0169	0.0247	0.490	3301
rs1993709	1	72838529	G	A	G	A	ieu-b-40	0.8177	0.0331	0.002	1.90E-57	248.4	786001	prot-a-1724	0.8114	0.0012	0.0315	0.977	3301
rs2007231	1	115266306	T	C	T	C	ieu-b-40	0.6387	-0.0104	0.002	5.20E-09	33.4	691969	prot-a-1724	0.6371	0.0372	0.0254	0.141	3301
rs200810	6	97922184	C	T	C	T	ieu-b-40	0.3716	-0.0136	0.002	5.50E-16	64.0	793699	prot-a-1724	0.3717	0.0228	0.0258	0.380	3301
rs2009416	5	92415111	T	C	T	C	ieu-b-40	0.361	-0.0121	0.002	1.10E-11	45.2	691741	prot-a-1724	0.3528	0.0786	0.0257	0.002	3301
rs2033529	6	40350030	G	A	G	A	ieu-b-40	0.2936	0.0205	0.002	1.90E-30	129.7	792112	prot-a-1724	0.2986	0.0043	0.0273	0.871	3301
rs2051559	4	3298800	C	T	C	T	ieu-b-40	0.1308	0.0176	0.003	5.00E-12	45.8	689307	prot-a-1724	0.1349	0.0076	0.0362	0.832	3301
rs2065418	11	30422068	G	T	G	T	ieu-b-40	0.3623	-0.0166	0.002	3.60E-20	85.0	691707	prot-a-1724	0.3587	0.0323	0.0256	0.209	3301
rs208015	17	46252346	C	T	C	T	ieu-b-40	0.9216	-0.0356	0.003	1.40E-25	109.6	691575	prot-a-1724	0.9304	0.0419	0.0482	0.389	3301
rs2124499	3	123093541	C	G	C	G	ieu-b-40	0.3718	-0.0123	0.002	3.40E-13	52.3	785955	prot-a-1724	0.3761	-0.009	0.0255	0.724	3301
rs2143253	20	41987392	A	G	A	G	ieu-b-40	0.1189	-0.0188	0.003	1.10E-12	52.3	684760	prot-a-1724	0.1233	-0.0097	0.0389	0.794	3301
rs215634	7	32369148	G	A	G	A	ieu-b-40	0.6212	-0.0152	0.002	2.60E-17	71.3	681296	prot-a-1724	0.6067	0.0309	0.0254	0.224	3301
rs2162524	2	230817437	C	T	C	T	ieu-b-40	0.3321	0.0155	0.002	4.10E-17	74.2	691302	prot-a-1724	0.3275	-0.0068	0.0265	0.794	3301
rs217671	14	62360464	G	A	G	A	ieu-b-40	0.2719	0.0144	0.002	1.30E-13	57.4	691456	prot-a-1724	0.2720	0.0086	0.0276	0.759	3301
rs2228213	6	12124855	A	G	A	G	ieu-b-40	0.3481	-0.0139	0.002	4.60E-16	66.9	795595	prot-a-1724	0.3515	0.0058	0.026	0.832	3301
rs2235564	1	6713114	T	C	T	C	ieu-b-40	0.3466	0.0131	0.002	3.70E-13	53.0	691544	prot-a-1724	0.3437	0.0621	0.0259	0.017	3301
rs2246012	6	131898208	C	T	C	T	ieu-b-40	0.1628	0.0158	0.002	3.10E-13	51.6	795598	prot-a-1724	0.1664	-0.0091	0.033	0.776	3301
rs226000	14	30488699	T	C	T	C	ieu-b-40	0.8245	0.0119	0.002	3.60E-08	29.3	793480	prot-a-1724	0.8342	0.0075	0.034	0.832	3301
rs2283093	7	126721231	T	C	T	C	ieu-b-40	0.2066	0.0127	0.002	3.10E-09	36.6	691773	prot-a-1724	0.2084	-0.0479	0.0306	0.117	3301
rs2285178	22	38205989	C	T	C	T	ieu-b-40	0.3109	0.0112	0.002	9.40E-09	34.7	638268	prot-a-1724	0.3009	0.0566	0.0272	0.037	3301
rs2306537	12	133423695	G	A	G	A	ieu-b-40	0.3092	0.0133	0.002	8.70E-13	49.0	691923	prot-a-1724	0.3133	0.0384	0.0266	0.148	3301
rs2307111	5	75003678	C	T	C	T	ieu-b-40	0.3962	-0.0265	0.002	1.60E-58	274.3	795430	prot-a-1724	0.4025	-0.0308	0.0256	0.229	3301
rs2317299	2	236903093	C	T	C	T	ieu-b-40	0.5597	-0.0106	0.002	1.30E-09	38.9	677983	prot-a-1724	0.5489	0.0315	0.0253	0.214	3301
rs2325036	3	85819412	C	A	C	A	ieu-b-40	0.3845	-0.0181	0.002	3.60E-27	113.4	790870	prot-a-1724	0.3826	0.0098	0.0251	0.692	3301
rs2357760	6	120213880	A	G	A	G	ieu-b-40	0.6754	0.0145	0.002	6.80E-17	72.8	791053	prot-a-1724	0.6861	0.0229	0.0269	0.398	3301
rs2361988	16	398151	C	T	C	T	ieu-b-40	0.2539	-0.0155	0.002	5.20E-15	60.1	690251	prot-a-1724	0.2594	0.0119	0.0285	0.676	3301
rs2365389	3	61236462	T	C	T	C	ieu-b-40	0.4143	-0.0174	0.002	1.30E-25	104.8	783625	prot-a-1724	0.4104	-0.038	0.0248	0.126	3301
rs2367112	5	64168193	G	T	G	T	ieu-b-40	0.4919	-0.0119	0.002	2.30E-13	55.3	794305	prot-a-1724	0.5114	-0.041	0.0247	0.095	3301
rs2411182	17	35059718	A	G	A	G	ieu-b-40	0.6943	0.0123	0.002	7.70E-11	41.9	691730	prot-a-1724	0.7029	-0.0154	0.0274	0.575	3301
rs2423668	20	12430673	C	T	C	T	ieu-b-40	0.5505	-0.0105	0.002	2.80E-08	30.5	527352	prot-a-1724	0.5492	0.0572	0.025	0.022	3301
rs2425840	20	44904838	C	A	C	A	ieu-b-40	0.4059	0.0119	0.002	1.60E-11	43.7	681680	prot-a-1724	0.4049	-0.0054	0.0255	0.832	3301
rs2429150	12	2152655	C	A	C	A	ieu-b-40	0.4164	0.0111	0.002	2.70E-10	38.0	686276	prot-a-1724	0.4119	0.0524	0.0255	0.040	3301

rs2479958	13	111984244	G	A	G	A	ieu-b-40	0.5075	-0.0154	0.002	1.50E-17	73.2	664268	prot-a-1724	0.5202	0.0209	0.0252	0.407	3301
rs2481665	1	62594677	C	T	C	T	ieu-b-40	0.4408	-0.0161	0.002	7.20E-23	101.3	795247	prot-a-1724	0.4418	0.0202	0.0248	0.417	3301
rs2543132	8	15536311	C	G	C	G	ieu-b-40	0.8134	0.0146	0.002	5.00E-11	44.0	688326	prot-a-1724	0.8116	-0.009	0.0315	0.776	3301
rs2600226	3	12928762	T	C	T	C	ieu-b-40	0.6697	-0.0116	0.002	3.70E-10	37.3	685285	prot-a-1724	0.6793	0.0857	0.0267	0.001	3301
rs2605603	11	93221105	A	G	A	G	ieu-b-40	0.4887	-0.0103	0.002	2.50E-10	41.4	790857	prot-a-1724	0.4790	0.0263	0.0249	0.288	3301
rs2608703	12	41846769	A	C	A	C	ieu-b-40	0.4546	0.0142	0.002	1.90E-16	69.8	686700	prot-a-1724	0.4463	0.0241	0.0252	0.339	3301
rs262130	6	142853486	T	C	T	C	ieu-b-40	0.1969	0.0127	0.002	1.80E-08	30.5	679542	prot-a-1724	0.1837	-7.00E-04	0.0321	0.977	3301
rs2693826	2	6160943	A	G	A	G	ieu-b-40	0.4421	-0.0137	0.002	2.00E-15	64.9	690808	prot-a-1724	0.4323	-0.0472	0.0251	0.060	3301
rs2694047	8	116750548	G	A	G	A	ieu-b-40	0.747	0.0188	0.002	3.90E-21	88.4	690295	prot-a-1724	0.7614	-0.0548	0.0291	0.060	3301
rs273504	19	18215247	G	A	G	A	ieu-b-40	0.4266	0.0153	0.002	4.40E-18	72.3	690672	prot-a-1724	0.4289	0.0163	0.025	0.513	3301
rs2744974	6	34579431	T	C	T	C	ieu-b-40	0.338	0.0249	0.002	1.40E-45	191.4	789647	prot-a-1724	0.3349	0.0227	0.0267	0.398	3301
rs2791653	1	11129848	G	A	G	A	ieu-b-40	0.7577	-0.0141	0.002	1.30E-13	55.1	795271	prot-a-1724	0.7643	-0.0348	0.0293	0.234	3301
rs2820311	1	201841476	G	A	G	A	ieu-b-40	0.3369	0.0235	0.002	4.10E-38	170.4	691876	prot-a-1724	0.3219	0.0166	0.0264	0.525	3301
rs2832283	21	30690558	A	G	A	G	ieu-b-40	0.2208	0.0115	0.002	5.80E-09	33.1	792324	prot-a-1724	0.2208	-0.0633	0.0302	0.036	3301
rs2836964	21	40631006	C	T	C	T	ieu-b-40	0.3576	-0.011	0.002	1.30E-09	37.3	692353	prot-a-1724	0.3588	0.0295	0.0256	0.251	3301
rs2861683	2	67836507	C	A	C	A	ieu-b-40	0.407	-0.0144	0.002	1.30E-16	71.8	691163	prot-a-1724	0.4161	-0.0067	0.0255	0.794	3301
rs2868975	3	116935323	A	G	A	G	ieu-b-40	0.178	-0.0143	0.002	2.20E-10	38.7	690613	prot-a-1724	0.1976	-5.00E-04	0.0328	0.977	3301
rs287104	19	34290995	A	G	A	G	ieu-b-40	0.6604	0.0115	0.002	4.40E-11	45.8	787307	prot-a-1724	0.6495	-0.0192	0.0261	0.457	3301
rs2875762	6	124925032	C	G	C	G	ieu-b-40	0.2473	0.0139	0.002	1.20E-11	48.3	685199	prot-a-1724	0.2420	0.0139	0.0292	0.631	3301
rs2907948	7	150638484	A	G	A	G	ieu-b-40	0.2427	-0.0141	0.002	1.30E-13	55.1	794299	prot-a-1724	0.2461	-0.0394	0.0284	0.166	3301
rs2931434	5	73159098	T	C	T	C	ieu-b-40	0.3168	-0.0104	0.002	1.40E-08	33.4	690664	prot-a-1724	0.3353	0.0502	0.0258	0.052	3301
rs2943465	12	19265921	C	T	C	T	ieu-b-40	0.9444	0.0248	0.004	2.00E-10	40.4	686547	prot-a-1724	0.9434	-0.079	0.0531	0.138	3301
rs294704	5	152519088	T	G	T	G	ieu-b-40	0.7239	-0.0113	0.002	4.00E-09	35.4	690036	prot-a-1724	0.7138	-0.0039	0.0274	0.891	3301
rs3007105	14	47367616	T	C	T	C	ieu-b-40	0.4697	0.0142	0.002	1.10E-17	69.8	785488	prot-a-1724	0.4280	-0.0367	0.0251	0.145	3301
rs326896	4	112669571	T	C	T	C	ieu-b-40	0.3925	-0.0128	0.002	2.80E-13	50.6	690324	prot-a-1724	0.3921	0.0422	0.0258	0.102	3301
rs331966	4	143675717	C	A	C	A	ieu-b-40	0.3792	0.0112	0.002	3.20E-10	38.7	687189	prot-a-1724	0.3737	0.0141	0.0257	0.589	3301
rs33500	3	42427191	T	C	T	C	ieu-b-40	0.8082	-0.0167	0.002	4.30E-14	57.6	689500	prot-a-1724	0.8189	0.0375	0.0319	0.240	3301
rs339991	15	60913637	G	A	G	A	ieu-b-40	0.5631	0.0124	0.002	1.20E-12	47.5	686476	prot-a-1724	0.5708	0.0328	0.0255	0.200	3301
rs349088	11	84814393	A	C	A	C	ieu-b-40	0.4976	-0.0128	0.002	1.80E-13	56.7	684401	prot-a-1724	0.5055	-0.0129	0.0251	0.603	3301
rs355777	3	154034950	C	G	C	G	ieu-b-40	0.4106	0.0153	0.002	1.40E-18	81.0	689978	prot-a-1724	0.3996	-0.0416	0.0254	0.100	3301
rs3731695	2	203820275	C	T	C	T	ieu-b-40	0.5582	0.0116	0.002	7.90E-13	52.6	793581	prot-a-1724	0.5513	-0.0025	0.0251	0.912	3301
rs3732084	2	207174316	C	T	C	T	ieu-b-40	0.6139	0.0107	0.002	1.10E-09	35.3	691763	prot-a-1724	0.6156	-0.0098	0.025	0.692	3301
rs3736485	15	51748610	G	A	G	A	ieu-b-40	0.5443	-0.0134	0.002	2.50E-16	70.1	790404	prot-a-1724	0.5338	0.0187	0.025	0.457	3301
rs3749897	6	42532102	T	C	T	C	ieu-b-40	0.4172	0.0122	0.002	8.40E-12	45.9	638224	prot-a-1724	0.4019	-0.0174	0.0256	0.501	3301



rs3754963	2	166185707	T	A	T	A	ieu-b-40	0.2574	-0.0123	0.002	3.30E-10	37.8	691535	prot-a-1724	0.2523	-0.0019	0.0283	0.955	3301
rs3764835	2	159519368	A	G	A	G	ieu-b-40	0.1528	-0.0141	0.002	3.10E-09	34.5	689505	prot-a-1724	0.1522	-0.0232	0.0343	0.501	3301
rs3772882	3	81808602	A	C	A	C	ieu-b-40	0.3661	0.0127	0.002	6.60E-13	49.8	691912	prot-a-1724	0.3689	-0.0241	0.0258	0.355	3301
rs3800229	6	108996963	T	G	T	G	ieu-b-40	0.7123	0.0175	0.002	1.40E-22	94.5	792474	prot-a-1724	0.7138	0.0475	0.0275	0.083	3301
rs3800637	7	137403432	C	T	C	T	ieu-b-40	0.336	0.0115	0.002	5.10E-10	40.8	682001	prot-a-1724	0.3326	0.0272	0.0265	0.309	3301
rs3806114	6	20482335	A	G	A	G	ieu-b-40	0.6773	-0.0113	0.002	3.40E-10	39.4	778855	prot-a-1724	0.6677	-0.0053	0.027	0.851	3301
rs3806572	2	55238677	A	G	A	G	ieu-b-40	0.2788	-0.0145	0.002	1.60E-14	58.2	687646	prot-a-1724	0.2897	-0.0507	0.0274	0.065	3301
rs3807645	7	77830091	A	G	A	G	ieu-b-40	0.221	-0.0166	0.002	2.40E-15	62.5	683086	prot-a-1724	0.2146	-0.0384	0.0306	0.209	3301
rs380857	9	101491066	A	C	A	C	ieu-b-40	0.8878	-0.0151	0.003	3.60E-08	31.3	691507	prot-a-1724	0.8867	0.0204	0.039	0.603	3301
rs3814883	16	29994922	T	C	T	C	ieu-b-40	0.4764	0.0232	0.002	1.10E-40	186.2	685519	prot-a-1724	0.4817	-0.0155	0.0253	0.537	3301
rs3828783	6	33767727	A	G	A	G	ieu-b-40	0.1809	-0.0165	0.002	5.60E-15	61.7	792749	prot-a-1724	0.1789	-0.0136	0.0316	0.661	3301
rs3829849	9	129390800	T	C	T	C	ieu-b-40	0.3589	0.0098	0.002	5.90E-09	33.2	793851	prot-a-1724	0.3719	-0.0561	0.0257	0.029	3301
rs38314	7	70067315	A	G	A	G	ieu-b-40	0.4912	-0.012	0.002	4.70E-12	49.8	689782	prot-a-1724	0.4963	-0.0111	0.0244	0.646	3301
rs3844598	5	140992235	G	A	G	A	ieu-b-40	0.521	0.0095	0.002	3.80E-08	31.2	690704	prot-a-1724	0.5279	-0.009	0.025	0.724	3301
rs3902951	14	69789755	G	T	G	T	ieu-b-40	0.2455	0.0134	0.002	7.00E-12	44.9	773819	prot-a-1724	0.2556	0.0069	0.0303	0.813	3301
rs3904244	10	27361527	A	T	A	T	ieu-b-40	0.1377	0.0155	0.003	4.30E-10	38.4	691180	prot-a-1724	0.1503	-0.0054	0.0344	0.871	3301
rs391300	17	2216258	C	T	C	T	ieu-b-40	0.6275	-0.0119	0.002	3.10E-12	49.0	791120	prot-a-1724	0.6339	0.038	0.0262	0.148	3301
rs3935648	17	79085335	G	C	G	C	ieu-b-40	0.2328	-0.0125	0.002	6.80E-09	32.3	629303	prot-a-1724	0.2222	0.0028	0.0303	0.933	3301
rs3977755	10	104420210	T	C	T	C	ieu-b-40	0.2804	-0.0135	0.002	5.90E-13	50.5	731529	prot-a-1724	0.2975	-0.0017	0.0269	0.955	3301
rs40067	5	107439012	A	G	A	G	ieu-b-40	0.1713	-0.0266	0.002	7.10E-30	133.8	681695	prot-a-1724	0.1771	0.0336	0.032	0.295	3301
rs4012234	20	32553047	G	T	G	T	ieu-b-40	0.5924	0.0141	0.002	9.90E-16	61.4	689653	prot-a-1724	0.5798	-0.008	0.0248	0.741	3301
rs4072917	8	143300279	A	G	A	G	ieu-b-40	0.4694	0.0115	0.002	6.90E-11	40.8	684720	prot-a-1724	0.4809	0.012	0.0246	0.631	3301
rs4148155	4	89054667	G	A	G	A	ieu-b-40	0.1127	-0.0188	0.003	5.00E-13	52.3	794889	prot-a-1724	0.1125	0.0065	0.0394	0.871	3301
rs4148866	12	123425575	T	C	T	C	ieu-b-40	0.4068	0.0098	0.002	4.00E-08	29.6	676418	prot-a-1724	0.4129	-0.009	0.0251	0.724	3301
rs4237643	11	43648368	G	T	G	T	ieu-b-40	0.6938	-0.0223	0.002	4.30E-33	137.8	692491	prot-a-1724	0.6904	-0.0125	0.0271	0.646	3301
rs427943	21	46570896	C	A	C	A	ieu-b-40	0.5669	0.017	0.002	7.30E-23	100.0	712095	prot-a-1724	0.5646	0.0078	0.025	0.759	3301
rs429343	2	147903382	G	A	G	A	ieu-b-40	0.5813	-0.015	0.002	6.80E-18	77.9	689345	prot-a-1724	0.5755	0.0202	0.0252	0.427	3301
rs4307239	7	24354300	G	A	G	A	ieu-b-40	0.4578	0.0115	0.002	3.90E-11	45.8	687289	prot-a-1724	0.4529	0.0296	0.0251	0.240	3301
rs4310573	11	97855562	T	C	T	C	ieu-b-40	0.7813	0.0116	0.002	3.50E-08	30.5	682567	prot-a-1724	0.7676	0.066	0.0299	0.028	3301
rs4358081	2	29100642	C	A	C	A	ieu-b-40	0.4631	0.0097	0.002	1.50E-08	32.6	690038	prot-a-1724	0.4739	-0.0165	0.0247	0.501	3301
rs4414033	1	156406853	A	G	A	G	ieu-b-40	0.627	0.0129	0.002	1.40E-12	51.4	672697	prot-a-1724	0.6283	-0.019	0.0275	0.490	3301
rs4430672	14	63094407	C	T	C	T	ieu-b-40	0.8004	-0.0127	0.002	3.90E-09	33.3	691400	prot-a-1724	0.8011	0.0066	0.0312	0.832	3301
rs4482463	2	205375909	A	C	A	C	ieu-b-40	0.9213	-0.0331	0.003	2.80E-23	100.6	635414	prot-a-1724	0.9269	-0.1071	0.0483	0.027	3301
rs4495304	6	31080718	C	T	C	T	ieu-b-40	0.067	-0.0194	0.003	5.00E-09	34.6	774211	prot-a-1724	0.0602	-0.0013	0.0516	0.977	3301

rs4516268	17	1846831	A	C	A	C	ieu-b-40	0.1925	-0.0217	0.002	5.20E-25	106.8	786617	prot-a-1724	0.1875	-0.0071	0.0315	0.813	3301
rs4518345	5	27185904	A	G	A	G	ieu-b-40	0.2842	-0.0117	0.002	1.00E-09	37.9	688609	prot-a-1724	0.2708	-0.0344	0.0282	0.224	3301
rs4556997	2	100814858	A	C	A	C	ieu-b-40	0.1349	0.0197	0.002	6.90E-17	67.4	792972	prot-a-1724	0.1396	-0.0739	0.0355	0.038	3301
rs4589691	2	144051398	G	C	G	C	ieu-b-40	0.1579	0.0141	0.002	4.70E-09	34.5	688253	prot-a-1724	0.1673	-0.011	0.0346	0.759	3301
rs4639527	2	416815	G	A	G	A	ieu-b-40	0.3012	0.0172	0.002	3.30E-20	82.0	691706	prot-a-1724	0.3077	-0.0568	0.027	0.035	3301
rs4653017	1	33776728	T	C	T	C	ieu-b-40	0.6818	0.0122	0.002	4.50E-11	45.9	686378	prot-a-1724	0.6874	0.0059	0.027	0.832	3301
rs4660443	1	39591779	T	C	T	C	ieu-b-40	0.2218	0.0164	0.002	6.80E-15	61.0	687234	prot-a-1724	0.2167	0.0424	0.0299	0.155	3301
rs4671328	2	58935282	G	T	G	T	ieu-b-40	0.5533	-0.0219	0.002	2.20E-36	166.0	679487	prot-a-1724	0.5237	0.0381	0.0254	0.135	3301
rs4722398	7	3125220	T	C	T	C	ieu-b-40	0.1336	0.0158	0.003	3.60E-10	39.9	692509	prot-a-1724	0.1356	-0.032	0.0359	0.372	3301
rs4740619	9	15634326	C	T	C	T	ieu-b-40	0.4521	-0.0186	0.002	2.30E-30	135.1	794491	prot-a-1724	0.4497	-0.0272	0.0251	0.275	3301
rs4757144	11	13331226	A	G	A	G	ieu-b-40	0.5878	0.0169	0.002	5.60E-22	88.2	690082	prot-a-1724	0.5869	-0.0021	0.025	0.933	3301
rs4783830	16	54255346	A	G	A	G	ieu-b-40	0.3074	-0.0105	0.002	2.40E-08	30.5	675527	prot-a-1724	0.3068	-0.0116	0.0267	0.661	3301
rs4786903	16	6697104	G	A	G	A	ieu-b-40	0.7368	0.0125	0.002	3.50E-10	39.1	680139	prot-a-1724	0.7365	0.0294	0.0284	0.302	3301
rs4800191	18	22461398	C	G	C	G	ieu-b-40	0.6369	0.0103	0.002	2.50E-09	36.7	785353	prot-a-1724	0.6502	0.0317	0.026	0.224	3301
rs4813619	20	2815715	T	G	T	G	ieu-b-40	0.5101	-0.0108	0.002	2.30E-09	36.0	622760	prot-a-1724	0.4927	0.0034	0.0249	0.891	3301
rs4818225	21	42629895	G	A	G	A	ieu-b-40	0.6606	0.0117	0.002	2.30E-10	42.3	688274	prot-a-1724	0.6644	-0.0201	0.026	0.437	3301
rs4820408	22	40704052	G	T	G	T	ieu-b-40	0.592	-0.0151	0.002	2.10E-19	78.9	794185	prot-a-1724	0.5884	-0.0142	0.0265	0.589	3301
rs4842491	12	89905537	T	C	T	C	ieu-b-40	0.7138	0.0098	0.002	4.00E-08	29.6	795312	prot-a-1724	0.7180	-0.0021	0.0272	0.933	3301
rs4851029	2	104159785	G	T	G	T	ieu-b-40	0.5247	0.0121	0.002	1.70E-12	50.7	689752	prot-a-1724	0.5352	-0.0025	0.0249	0.912	3301
rs4858193	3	20441050	C	T	C	T	ieu-b-40	0.2779	-0.0129	0.002	1.60E-11	46.1	686850	prot-a-1724	0.2771	0.0046	0.0275	0.871	3301
rs4864201	4	130731284	C	T	C	T	ieu-b-40	0.6469	-0.0141	0.002	1.50E-16	68.8	795263	prot-a-1724	0.6531	-0.0227	0.0262	0.389	3301
rs4880341	10	133992689	T	C	T	C	ieu-b-40	0.5606	-0.0118	0.002	1.10E-11	48.2	689012	prot-a-1724	0.5656	-0.0086	0.025	0.724	3301
rs4906908	15	27040082	G	T	G	T	ieu-b-40	0.5253	0.0103	0.002	2.50E-09	36.7	691345	prot-a-1724	0.5338	0.022	0.0248	0.372	3301
rs491711	11	28742220	C	A	C	A	ieu-b-40	0.316	-0.0115	0.002	1.10E-09	36.6	685113	prot-a-1724	0.3186	-0.0017	0.0269	0.955	3301
rs4929923	11	8639200	C	T	C	T	ieu-b-40	0.6376	0.0181	0.002	7.20E-27	113.4	794933	prot-a-1724	0.6375	-0.0419	0.026	0.107	3301
rs4936175	11	132641959	C	T	C	T	ieu-b-40	0.4445	0.0122	0.002	1.40E-12	51.5	692569	prot-a-1724	0.4406	-0.0364	0.0253	0.148	3301
rs4937870	11	112826709	G	A	G	A	ieu-b-40	0.3172	-0.0109	0.002	8.80E-09	32.9	683154	prot-a-1724	0.3059	-0.0136	0.0272	0.617	3301
rs4952843	2	46957845	G	A	G	A	ieu-b-40	0.3807	-0.0131	0.002	6.80E-14	53.0	692482	prot-a-1724	0.3856	-0.0236	0.0251	0.347	3301
rs4954638	2	137435455	C	A	C	A	ieu-b-40	0.2492	-0.0118	0.002	2.90E-09	34.8	689971	prot-a-1724	0.2494	0.0055	0.0281	0.851	3301
rs4968656	17	61616959	G	A	G	A	ieu-b-40	0.3216	0.0116	0.002	8.20E-10	37.3	675153	prot-a-1724	0.3220	0.001	0.027	0.977	3301
rs4981693	14	29680331	A	G	A	G	ieu-b-40	0.771	0.0206	0.002	6.90E-24	106.1	689120	prot-a-1724	0.7675	-0.0178	0.0293	0.537	3301
rs4986044	17	21261560	T	C	T	C	ieu-b-40	0.4687	-0.0164	0.002	3.30E-23	105.1	787219	prot-a-1724	0.4546	0.0246	0.025	0.324	3301
rs538579	3	62711674	C	G	C	G	ieu-b-40	0.3228	0.0137	0.002	1.30E-13	52.0	688452	prot-a-1724	0.3065	0.0139	0.0267	0.603	3301
rs543874	1	177889480	G	A	G	A	ieu-b-40	0.1952	0.0475	0.002	1.20E-122	564.1	795504	prot-a-1724	0.2082	-0.0553	0.0304	0.069	3301

rs559231	18	39644247	T	G	T	G	ieu-b-40	0.3956	0.0135	0.002	2.40E-14	56.3	685154	prot-a-1724	0.3884	0.0241	0.0257	0.347	3301
rs577525	10	99769388	C	T	C	T	ieu-b-40	0.5676	0.0166	0.002	9.70E-22	95.3	690616	prot-a-1724	0.5599	0.0031	0.025	0.891	3301
rs592483	11	69445173	T	C	T	C	ieu-b-40	0.5716	-0.0147	0.002	2.00E-18	74.8	781871	prot-a-1724	0.5596	-0.0315	0.0251	0.209	3301
rs6050446	20	25195509	G	A	G	A	ieu-b-40	0.97	0.0343	0.005	4.40E-13	53.3	766287	prot-a-1724	0.9743	-0.0879	0.0793	0.269	3301
rs6235	5	95728898	G	C	G	C	ieu-b-40	0.2702	0.0175	0.002	1.50E-19	84.8	691708	prot-a-1724	0.2594	-0.0088	0.0283	0.759	3301
rs6265	11	27679916	T	C	T	C	ieu-b-40	0.1951	-0.0412	0.002	1.00E-86	384.9	795458	prot-a-1724	0.1908	0.0192	0.0314	0.537	3301
rs6443750	3	181329682	C	T	C	T	ieu-b-40	0.8068	0.0148	0.002	3.20E-12	49.7	776837	prot-a-1724	0.8100	-0.0213	0.0319	0.501	3301
rs6448587	4	28561990	C	A	C	A	ieu-b-40	0.1891	-0.0167	0.002	2.30E-13	52.7	691097	prot-a-1724	0.1760	-0.0382	0.0325	0.240	3301
rs645040	3	135926622	T	G	T	G	ieu-b-40	0.7762	0.0171	0.002	2.50E-18	73.1	795579	prot-a-1724	0.7763	-0.0097	0.0295	0.741	3301
rs6461115	7	2103668	G	A	G	A	ieu-b-40	0.2285	-0.0144	0.002	1.20E-13	57.4	791735	prot-a-1724	0.2188	0.0561	0.0298	0.060	3301
rs6471941	8	62117973	A	G	A	G	ieu-b-40	0.1684	0.0156	0.002	3.10E-13	55.2	793986	prot-a-1724	0.1743	-0.0502	0.0328	0.126	3301
rs6500208	16	49011249	A	G	A	G	ieu-b-40	0.2006	0.014	0.002	4.10E-12	49.0	781931	prot-a-1724	0.2093	-0.0173	0.031	0.575	3301
rs6512302	20	62691550	C	G	C	G	ieu-b-40	0.7511	0.0142	0.002	2.10E-12	50.4	686053	prot-a-1724	0.7368	-0.0043	0.0281	0.871	3301
rs6545714	2	59307725	A	G	A	G	ieu-b-40	0.6139	-0.0191	0.002	9.10E-31	126.2	793368	prot-a-1724	0.6040	-0.0126	0.0253	0.617	3301
rs6556301	5	176527577	T	G	T	G	ieu-b-40	0.3596	-0.0111	0.002	4.10E-10	38.0	734744	prot-a-1724	0.3657	-0.0108	0.0259	0.676	3301
rs6561943	13	58356761	T	C	T	C	ieu-b-40	0.2595	0.0119	0.002	4.20E-10	39.2	793951	prot-a-1724	0.2510	-0.0465	0.0283	0.100	3301
rs657452	1	49589847	G	A	G	A	ieu-b-40	0.6216	-0.0188	0.002	7.20E-29	122.3	767846	prot-a-1724	0.6021	-0.0029	0.0257	0.912	3301
rs6587552	1	151018861	G	A	G	A	ieu-b-40	0.7591	-0.0173	0.002	1.60E-17	74.8	689723	prot-a-1724	0.7650	0.0036	0.0292	0.891	3301
rs6591407	11	56914157	A	C	A	C	ieu-b-40	0.1861	-0.0118	0.002	1.90E-08	31.6	794246	prot-a-1724	0.1895	0.0265	0.0319	0.407	3301
rs6593688	1	96322205	G	A	G	A	ieu-b-40	0.3733	0.0137	0.002	8.60E-15	57.9	691779	prot-a-1724	0.3804	-0.0368	0.0255	0.151	3301
rs663129	18	57838401	A	G	A	G	ieu-b-40	0.2301	0.0545	0.002	1.60E-178	822.8	788948	prot-a-1724	0.2352	-0.041	0.0283	0.148	3301
rs6673081	1	154989595	C	T	C	T	ieu-b-40	0.5534	-0.01	0.002	1.80E-08	30.9	677818	prot-a-1724	0.5523	-0.0347	0.0255	0.174	3301
rs6692586	1	23299906	G	A	G	A	ieu-b-40	0.832	-0.0192	0.002	1.10E-16	69.7	690921	prot-a-1724	0.8351	-0.0173	0.0331	0.603	3301
rs6712	22	50637922	C	G	C	G	ieu-b-40	0.1368	0.0138	0.003	4.40E-08	30.5	688469	prot-a-1724	0.1418	0.0126	0.035	0.724	3301
rs6764533	3	196088464	A	G	A	G	ieu-b-40	0.359	0.0116	0.002	1.40E-10	41.5	690832	prot-a-1724	0.3684	0.0043	0.0257	0.871	3301
rs6772756	3	182312152	G	A	G	A	ieu-b-40	0.3372	-0.0104	0.002	4.00E-08	30.0	681709	prot-a-1724	0.3358	0.015	0.0258	0.562	3301
rs6785245	3	82647990	C	T	C	T	ieu-b-40	0.3969	0.0132	0.002	4.00E-14	60.3	692250	prot-a-1724	0.3935	-0.0095	0.0253	0.708	3301
rs6804842	3	25106437	G	A	G	A	ieu-b-40	0.572	0.0156	0.002	3.60E-21	84.2	789179	prot-a-1724	0.5901	-0.0235	0.0257	0.363	3301
rs6841761	4	25423538	T	G	T	G	ieu-b-40	0.5252	-0.0131	0.002	6.40E-16	67.0	793477	prot-a-1724	0.5307	0.0071	0.0252	0.776	3301
rs685870	11	64111928	C	T	C	T	ieu-b-40	0.7035	0.012	0.002	2.40E-10	39.9	688423	prot-a-1724	0.6972	0.021	0.0272	0.437	3301
rs6985109	8	10761585	A	G	A	G	ieu-b-40	0.5338	-0.0177	0.002	1.50E-26	108.4	793993	prot-a-1724	0.5523	-0.016	0.0246	0.513	3301
rs7024334	9	109072075	G	T	G	T	ieu-b-40	0.7742	-0.0138	0.002	3.10E-12	47.6	782431	prot-a-1724	0.7835	0.0206	0.0303	0.490	3301
rs7025938	9	103088321	G	C	G	C	ieu-b-40	0.3187	0.0166	0.002	3.70E-19	76.3	691581	prot-a-1724	0.3172	-0.0259	0.0267	0.331	3301
rs7037266	9	6942940	A	C	A	C	ieu-b-40	0.3739	-0.0112	0.002	3.50E-10	38.7	691603	prot-a-1724	0.3701	-0.0222	0.0256	0.389	3301

rs705217	1	34581472	G	T	G	T	ieu-b-40	0.3652	-0.0102	0.002	9.30E-09	32.1	688609	prot-a-1724	0.3592	-0.015	0.0255	0.562	3301
rs705704	12	56435412	A	G	A	G	ieu-b-40	0.3304	-0.0131	0.002	1.90E-13	53.0	743597	prot-a-1724	0.3470	-0.0125	0.0259	0.631	3301
rs7084454	10	21821274	A	G	A	G	ieu-b-40	0.335	0.0193	0.002	4.00E-25	103.2	678564	prot-a-1724	0.3270	-0.045	0.026	0.083	3301
rs709400	14	104149475	G	A	G	A	ieu-b-40	0.3818	-0.015	0.002	4.60E-19	77.9	795379	prot-a-1724	0.3858	-0.0462	0.0256	0.071	3301
rs7102454	11	65594820	C	T	C	T	ieu-b-40	0.3435	0.0158	0.002	2.40E-18	77.0	691134	prot-a-1724	0.3439	0.0242	0.0263	0.355	3301
rs7117238	11	78040259	A	G	A	G	ieu-b-40	0.168	-0.0131	0.002	2.50E-09	35.5	788879	prot-a-1724	0.1570	-0.0119	0.0346	0.724	3301
rs7124681	11	47529947	A	C	A	C	ieu-b-40	0.4133	0.0263	0.002	3.20E-58	270.2	795474	prot-a-1724	0.4158	0.0254	0.025	0.309	3301
rs7138803	12	50247468	A	G	A	G	ieu-b-40	0.3772	0.03	0.002	2.30E-71	311.4	795588	prot-a-1724	0.3671	-0.0078	0.0252	0.759	3301
rs7144011	14	79940383	T	G	T	G	ieu-b-40	0.2136	0.0282	0.002	5.20E-47	198.8	794117	prot-a-1724	0.2170	-0.0389	0.0298	0.191	3301
rs7148846	14	40133821	G	T	G	T	ieu-b-40	0.1896	0.0124	0.002	2.20E-08	31.8	687940	prot-a-1724	0.1865	0.0323	0.0322	0.316	3301
rs7172627	15	31877690	G	A	G	A	ieu-b-40	0.4719	0.0117	0.002	1.10E-11	47.4	690458	prot-a-1724	0.4624	0.0435	0.0248	0.079	3301
rs7181498	15	95271404	C	T	C	T	ieu-b-40	0.6309	-0.0163	0.002	1.00E-19	82.0	690980	prot-a-1724	0.6469	-0.0355	0.0263	0.178	3301
rs7196720	16	24534662	C	T	C	T	ieu-b-40	0.5068	-0.0129	0.002	7.30E-14	57.6	689863	prot-a-1724	0.5065	-0.0146	0.0251	0.562	3301
rs7206608	16	82872628	G	C	G	C	ieu-b-40	0.3146	0.0132	0.002	1.30E-12	48.3	689058	prot-a-1724	0.3340	-0.006	0.0272	0.832	3301
rs7222349	17	42304644	A	G	A	G	ieu-b-40	0.3441	0.0115	0.002	3.30E-10	40.8	692215	prot-a-1724	0.3437	0.0255	0.026	0.324	3301
rs7239575	18	21120035	C	T	C	T	ieu-b-40	0.4832	-0.0202	0.002	7.40E-32	141.2	692313	prot-a-1724	0.4828	-0.0171	0.0245	0.479	3301
rs7318817	13	28617708	T	C	T	C	ieu-b-40	0.6071	-0.0155	0.002	2.70E-18	74.2	691917	prot-a-1724	0.6281	-0.0173	0.026	0.501	3301
rs7334078	13	99120484	C	T	C	T	ieu-b-40	0.2882	-0.0121	0.002	2.20E-10	40.6	688374	prot-a-1724	0.2803	0.013	0.0282	0.646	3301
rs7358465	11	89990280	T	C	T	C	ieu-b-40	0.6781	0.0103	0.002	3.00E-08	29.4	686935	prot-a-1724	0.6744	0.0036	0.0264	0.891	3301
rs7488867	12	103699685	T	C	T	C	ieu-b-40	0.2639	-0.0204	0.002	8.40E-24	104.0	635746	prot-a-1724	0.2520	0.0151	0.0286	0.603	3301
rs7498665	16	28883241	G	A	G	A	ieu-b-40	0.4038	0.0271	0.002	5.60E-60	254.1	790299	prot-a-1724	0.3900	0.004	0.0255	0.871	3301
rs7519259	1	66434743	A	G	A	G	ieu-b-40	0.5356	0.0125	0.002	3.80E-13	54.1	681362	prot-a-1724	0.5182	-0.0526	0.0249	0.035	3301
rs7535528	1	2444414	A	G	A	G	ieu-b-40	0.3741	-0.0152	0.002	1.40E-16	71.3	632868	prot-a-1724	0.3804	-0.0317	0.026	0.224	3301
rs754635	3	42305131	G	C	G	C	ieu-b-40	0.8873	0.0198	0.003	2.20E-13	53.8	690346	prot-a-1724	0.8873	-0.0138	0.0389	0.724	3301
rs7550711	1	110082886	T	C	T	C	ieu-b-40	0.0306	0.0649	0.005	3.20E-38	168.5	769184	prot-a-1724	0.0255	-0.0947	0.0802	0.240	3301
rs7551507	1	74995225	T	C	T	C	ieu-b-40	0.5633	-0.0184	0.002	9.30E-30	132.3	794579	prot-a-1724	0.5592	0.0407	0.0245	0.098	3301
rs7557796	2	86766153	C	T	C	T	ieu-b-40	0.6524	-0.016	0.002	2.30E-19	79.0	692414	prot-a-1724	0.6520	0.0688	0.0257	0.007	3301
rs756717	16	72996162	A	G	A	G	ieu-b-40	0.3973	-0.0148	0.002	5.40E-18	75.8	771976	prot-a-1724	0.4017	-0.0413	0.025	0.098	3301
rs7599312	2	213413231	A	G	A	G	ieu-b-40	0.2652	-0.0186	0.002	6.90E-24	95.8	780823	prot-a-1724	0.2703	-0.0101	0.0289	0.724	3301
rs7615297	3	156299313	G	C	G	C	ieu-b-40	0.1465	-0.0149	0.002	5.70E-10	38.5	689710	prot-a-1724	0.1514	0.0488	0.0345	0.155	3301
rs7626079	3	66427259	T	C	T	C	ieu-b-40	0.3434	0.011	0.002	1.60E-09	37.3	692571	prot-a-1724	0.3397	0.0472	0.0261	0.071	3301
rs7637852	3	44041777	G	A	G	A	ieu-b-40	0.6951	-0.0139	0.002	1.70E-13	53.5	691815	prot-a-1724	0.7110	-0.0064	0.0273	0.813	3301
rs7640424	3	107820063	T	C	T	C	ieu-b-40	0.2969	-0.0136	0.002	2.30E-14	57.1	790612	prot-a-1724	0.3051	0.0306	0.0271	0.257	3301
rs765875	6	143185683	T	C	T	C	ieu-b-40	0.4808	-0.0121	0.002	3.00E-12	50.7	690961	prot-a-1724	0.4776	0.0025	0.0246	0.912	3301

rs7683836	4	180167906	A	G	A	G	ieu-b-40	0.5405	-0.0114	0.002	6.30E-11	45.0	686968	prot-a-1724	0.5650	0.03	0.0249	0.229	3301
rs7685048	4	95027784	T	C	T	C	ieu-b-40	0.4654	-0.0101	0.002	4.10E-09	35.3	692398	prot-a-1724	0.4663	3.00E-04	0.0252	1.000	3301
rs768840	14	73143457	A	G	A	G	ieu-b-40	0.4183	0.0114	0.002	2.00E-10	40.1	677485	prot-a-1724	0.4419	0.0499	0.0248	0.045	3301
rs769449	19	45410002	A	G	A	G	ieu-b-40	0.1161	-0.0254	0.003	2.30E-20	88.5	566857	prot-a-1724	0.1252	0.0199	0.0368	0.589	3301
rs7694732	4	115124089	G	A	G	A	ieu-b-40	0.4378	-0.0099	0.002	8.70E-09	33.9	690622	prot-a-1724	0.4460	0.0052	0.025	0.832	3301
rs7703576	5	144543996	C	T	C	T	ieu-b-40	0.2885	0.0103	0.002	4.80E-08	29.4	690818	prot-a-1724	0.2931	-0.0866	0.0276	0.002	3301
rs7704281	5	50591460	A	G	A	G	ieu-b-40	0.0453	0.0271	0.004	6.50E-11	43.7	788585	prot-a-1724	0.0429	-0.0067	0.0621	0.912	3301
rs7715256	5	153537893	T	G	T	G	ieu-b-40	0.5781	-0.0166	0.002	2.20E-24	107.6	795302	prot-a-1724	0.5640	-0.0162	0.0247	0.513	3301
rs7724675	5	130440010	A	G	A	G	ieu-b-40	0.2238	-0.0119	0.002	9.50E-09	32.1	691968	prot-a-1724	0.2090	-0.0348	0.0301	0.245	3301
rs7730004	5	43191033	T	C	T	C	ieu-b-40	0.6693	0.0148	0.002	9.10E-16	67.6	690164	prot-a-1724	0.6700	0.0132	0.0264	0.617	3301
rs7730898	5	170459675	A	G	A	G	ieu-b-40	0.729	0.0168	0.002	4.50E-20	87.1	792975	prot-a-1724	0.7302	-0.0105	0.0276	0.708	3301
rs774246	7	26990816	G	A	G	A	ieu-b-40	0.1444	0.0153	0.003	5.40E-10	37.5	690818	prot-a-1724	0.1432	-0.0158	0.0365	0.661	3301
rs7761673	6	70357368	A	T	A	T	ieu-b-40	0.2058	-0.0126	0.002	1.90E-09	36.0	691716	prot-a-1724	0.2241	0.0215	0.0302	0.479	3301
rs7780752	7	93241640	C	T	C	T	ieu-b-40	0.36	0.0139	0.002	1.00E-14	59.6	690830	prot-a-1724	0.3563	-0.0162	0.0262	0.537	3301
rs7788008	7	112972483	A	G	A	G	ieu-b-40	0.4445	-0.0157	0.002	1.10E-19	85.3	690410	prot-a-1724	0.4348	-0.0034	0.0244	0.891	3301
rs7811342	7	138794618	C	T	C	T	ieu-b-40	0.1058	-0.0197	0.003	1.10E-11	46.1	676265	prot-a-1724	0.0969	0.061	0.0424	0.151	3301
rs7819514	8	93204442	A	G	A	G	ieu-b-40	0.3216	-0.0107	0.002	5.70E-09	35.3	684955	prot-a-1724	0.3357	0.0103	0.0266	0.692	3301
rs7826312	8	32400115	C	T	C	T	ieu-b-40	0.5879	0.0104	0.002	4.90E-10	37.4	785343	prot-a-1724	0.5989	-4.00E-04	0.0257	0.977	3301
rs7844647	8	34503776	C	T	C	T	ieu-b-40	0.2681	-0.0123	0.002	2.80E-11	46.7	793703	prot-a-1724	0.2613	0.0433	0.0281	0.123	3301
rs7869771	9	94180627	C	A	C	A	ieu-b-40	0.2647	-0.014	0.002	4.90E-13	54.3	679436	prot-a-1724	0.2768	0.0094	0.028	0.741	3301
rs7871866	9	131027982	C	G	C	G	ieu-b-40	0.1531	0.0187	0.002	2.30E-14	60.7	683494	prot-a-1724	0.1549	0.0453	0.0347	0.191	3301
rs7899106	10	87412940	G	A	G	A	ieu-b-40	0.0478	0.0331	0.004	1.00E-18	80.0	793689	prot-a-1724	0.0461	-0.0113	0.0611	0.851	3301
rs7903146	10	114758349	T	C	T	C	ieu-b-40	0.2912	-0.0181	0.002	1.30E-23	101.1	795624	prot-a-1724	0.2935	-0.0778	0.0273	0.004	3301
rs7925214	11	130794253	T	C	T	C	ieu-b-40	0.5133	0.0147	0.002	4.40E-17	66.7	677603	prot-a-1724	0.5178	-2.00E-04	0.0253	1.000	3301
rs7970953	12	24075508	A	G	A	G	ieu-b-40	0.29	0.0135	0.002	9.80E-14	56.3	788417	prot-a-1724	0.3001	-0.023	0.0277	0.407	3301
rs7983065	13	33380786	T	C	T	C	ieu-b-40	0.4503	-0.0148	0.002	8.90E-18	75.8	690924	prot-a-1724	0.4527	-0.0219	0.0246	0.372	3301
rs7998796	13	81020036	G	A	G	A	ieu-b-40	0.3373	0.0105	0.002	1.10E-08	34.0	689430	prot-a-1724	0.3391	-0.0026	0.0258	0.912	3301
rs8027205	15	98280959	G	C	G	C	ieu-b-40	0.3967	-0.0108	0.002	1.40E-09	36.0	685725	prot-a-1724	0.3782	0.0507	0.025	0.043	3301
rs8036040	15	36402716	A	C	A	C	ieu-b-40	0.4932	0.0109	0.002	2.70E-10	41.1	691068	prot-a-1724	0.4991	-0.027	0.0245	0.269	3301
rs8047395	16	53798523	A	G	A	G	ieu-b-40	0.5061	0.0642	0.002	1.00E-200	1426.2	788856	prot-a-1724	0.5250	-0.0389	0.0252	0.123	3301
rs806600	5	172914939	G	A	G	A	ieu-b-40	0.475	-0.0095	0.002	3.30E-08	31.2	691791	prot-a-1724	0.4817	0.0141	0.0248	0.575	3301
rs8071182	17	55336155	A	G	A	G	ieu-b-40	0.1735	0.0133	0.002	2.10E-09	36.5	771437	prot-a-1724	0.1652	-0.0397	0.0335	0.234	3301
rs8090983	18	52586691	G	A	G	A	ieu-b-40	0.3314	0.0118	0.002	2.00E-10	43.0	682470	prot-a-1724	0.3428	-0.0072	0.0266	0.794	3301
rs8097672	18	1839601	T	A	T	A	ieu-b-40	0.1528	0.02	0.003	8.40E-16	64.0	686063	prot-a-1724	0.1541	-0.0097	0.035	0.776	3301

rs8097783	18	58051294	A	G	A	G	ieu-b-40	0.0755	-0.0389	0.003	7.20E-36	157.5	795408	prot-a-1724	0.0675	0.0544	0.0496	0.275	3301
rs8123881	20	15819495	G	A	G	A	ieu-b-40	0.1299	0.0196	0.002	4.40E-16	66.7	793018	prot-a-1724	0.1339	0.0335	0.0376	0.372	3301
rs8181823	13	65477940	C	A	C	A	ieu-b-40	0.7614	0.0127	0.002	4.10E-10	40.3	691345	prot-a-1724	0.7671	-0.0329	0.0292	0.257	3301
rs818524	1	85201228	C	T	C	T	ieu-b-40	0.6939	0.0106	0.002	3.40E-08	31.1	670078	prot-a-1724	0.6969	0.004	0.0279	0.891	3301
rs8192675	3	170724883	C	T	C	T	ieu-b-40	0.2888	0.0152	0.002	1.40E-17	71.3	795515	prot-a-1724	0.2850	0.0016	0.0274	0.955	3301
rs825688	16	73595718	T	C	T	C	ieu-b-40	0.456	-0.0095	0.002	4.70E-08	31.2	686144	prot-a-1724	0.4503	0.0033	0.0254	0.891	3301
rs845084	10	125220036	A	G	A	G	ieu-b-40	0.2678	0.014	0.002	1.30E-12	49.0	685413	prot-a-1724	0.2600	0.0204	0.0287	0.479	3301
rs852056	20	17102860	C	T	C	T	ieu-b-40	0.7584	-0.0128	0.002	1.80E-10	41.0	691874	prot-a-1724	0.7573	0	0.0291	1.000	3301
rs865809	3	183997735	G	A	G	A	ieu-b-40	0.7678	-0.0127	0.002	5.40E-10	40.3	689186	prot-a-1724	0.7701	-0.0149	0.03	0.617	3301
rs872281	14	40834177	T	C	T	C	ieu-b-40	0.1728	-0.0151	0.002	4.70E-11	43.1	685310	prot-a-1724	0.1675	-0.0319	0.0336	0.339	3301
rs876605	5	77801359	G	A	G	A	ieu-b-40	0.7352	-0.0108	0.002	3.40E-08	29.2	692586	prot-a-1724	0.7356	0.0137	0.0284	0.631	3301
rs879620	16	4015729	T	C	T	C	ieu-b-40	0.6179	0.0231	0.002	5.30E-38	164.7	688377	prot-a-1724	0.6076	0.0239	0.0253	0.347	3301
rs889398	16	69556715	T	C	T	C	ieu-b-40	0.4247	-0.0196	0.002	1.30E-32	150.1	789694	prot-a-1724	0.4045	0.0071	0.0256	0.776	3301
rs895330	19	4060707	G	C	G	C	ieu-b-40	0.1924	-0.0201	0.002	5.50E-19	76.4	684271	prot-a-1724	0.1909	-0.0058	0.0317	0.851	3301
rs901630	6	98539519	T	C	T	C	ieu-b-40	0.3973	-0.0146	0.002	1.90E-18	73.8	794597	prot-a-1724	0.3890	6.00E-04	0.0254	0.977	3301
rs902695	2	113955074	A	G	A	G	ieu-b-40	0.4798	-0.0103	0.002	2.20E-09	36.7	678635	prot-a-1724	0.4833	0.0035	0.0255	0.891	3301
rs9294260	6	83433228	A	G	A	G	ieu-b-40	0.4731	0.0147	0.002	1.80E-19	84.4	783533	prot-a-1724	0.4744	0.0098	0.0253	0.692	3301
rs9300422	13	98223320	G	A	G	A	ieu-b-40	0.6903	-0.0103	0.002	4.00E-09	32.7	795011	prot-a-1724	0.6759	0.0338	0.0264	0.200	3301
rs930295	2	50233352	C	A	C	A	ieu-b-40	0.8417	-0.0211	0.002	1.00E-19	84.2	690522	prot-a-1724	0.8410	0.0514	0.0336	0.126	3301
rs9304665	19	47602577	A	T	A	T	ieu-b-40	0.7633	0.0229	0.002	2.90E-29	131.1	689470	prot-a-1724	0.7615	0.0117	0.0299	0.692	3301
rs934224	2	16613889	T	C	T	C	ieu-b-40	0.7399	0.0107	0.002	4.70E-08	28.6	692568	prot-a-1724	0.7443	-0.0087	0.0275	0.759	3301
rs9362662	6	90296588	G	A	G	A	ieu-b-40	0.5201	-0.0112	0.002	1.20E-10	43.4	683953	prot-a-1724	0.5199	0.033	0.025	0.186	3301
rs9367368	6	13189275	C	T	C	T	ieu-b-40	0.3033	-0.0121	0.002	1.00E-11	45.2	786723	prot-a-1724	0.2895	-0.0043	0.0268	0.871	3301
rs9370261	6	53939516	T	C	T	C	ieu-b-40	0.046	0.0231	0.004	3.40E-08	30.3	690051	prot-a-1724	0.0491	0.0319	0.0577	0.575	3301
rs9375702	6	130384187	T	C	T	C	ieu-b-40	0.705	-0.0115	0.002	7.90E-10	36.6	690564	prot-a-1724	0.6920	-0.0054	0.0267	0.832	3301
rs9379827	6	26153335	A	C	A	C	ieu-b-40	0.2409	-0.0132	0.002	6.90E-12	48.3	795072	prot-a-1724	0.2191	0.0079	0.0302	0.794	3301
rs9408882	9	118664402	A	G	A	G	ieu-b-40	0.4594	-0.0093	0.002	1.30E-08	33.8	794283	prot-a-1724	0.4635	-9.00E-04	0.0253	0.977	3301
rs946824	1	243684019	C	T	C	T	ieu-b-40	0.859	-0.0206	0.003	1.10E-15	62.8	689849	prot-a-1724	0.8656	0.0151	0.0369	0.676	3301
rs947612	6	73738661	A	G	A	G	ieu-b-40	0.7516	-0.0116	0.002	5.60E-09	33.6	692596	prot-a-1724	0.7501	-0.0065	0.0281	0.813	3301
rs9478671	6	155987825	G	A	G	A	ieu-b-40	0.2087	0.012	0.002	1.70E-08	32.7	688072	prot-a-1724	0.2051	0.0038	0.0311	0.912	3301
rs9522285	13	112230701	A	G	A	G	ieu-b-40	0.4143	0.0127	0.002	2.50E-13	55.8	690681	prot-a-1724	0.4241	5.00E-04	0.0255	0.977	3301
rs9538162	13	59265043	C	T	C	T	ieu-b-40	0.4138	-0.0156	0.002	4.80E-19	75.1	690345	prot-a-1724	0.4291	0.0747	0.0255	0.003	3301
rs9547153	13	85903717	G	A	G	A	ieu-b-40	0.3839	0.0098	0.002	8.70E-09	33.2	775400	prot-a-1724	0.3709	0.0345	0.0264	0.191	3301
rs9571687	13	67472713	A	C	A	C	ieu-b-40	0.329	-0.0129	0.002	2.80E-12	51.4	690974	prot-a-1724	0.3364	0.0432	0.0259	0.095	3301

rs9615905	22	48875699	T	C	T	C	ieu-b-40	0.45	0.011	0.002	2.70E-10	41.9	690274	prot-a-1724	0.4461	-0.0067	0.0249	0.794	3301
rs962273	17	46978353	C	T	C	T	ieu-b-40	0.7057	0.0137	0.002	2.60E-13	52.0	692594	prot-a-1724	0.6851	-0.0361	0.0268	0.178	3301
rs9650755	9	96484342	G	A	G	A	ieu-b-40	0.2664	0.0154	0.002	2.80E-15	59.3	691183	prot-a-1724	0.2739	0.0385	0.0277	0.166	3301
rs9688431	6	73922654	C	T	C	T	ieu-b-40	0.0603	-0.0231	0.004	2.40E-11	43.6	789356	prot-a-1724	0.0599	0.0069	0.0527	0.891	3301
rs977747	1	47684677	G	T	G	T	ieu-b-40	0.5949	-0.0169	0.002	1.30E-24	98.8	793546	prot-a-1724	0.5903	0.0338	0.0251	0.178	3301
rs9783858	18	42534584	T	C	T	C	ieu-b-40	0.5191	0.0091	0.002	3.30E-08	28.7	770874	prot-a-1724	0.5176	-0.037	0.0253	0.145	3301
rs9806742	15	73051219	A	G	A	G	ieu-b-40	0.8826	0.0208	0.003	1.40E-15	64.0	692509	prot-a-1724	0.8691	-0.014	0.0365	0.708	3301
rs9816226	3	185834499	T	A	T	A	ieu-b-40	0.8199	0.0323	0.002	1.60E-52	236.6	778333	prot-a-1724	0.8215	-0.0091	0.0324	0.776	3301
rs9845966	3	13433158	G	T	G	T	ieu-b-40	0.5479	-0.0105	0.002	2.50E-10	38.1	778076	prot-a-1724	0.5485	-0.0028	0.0249	0.912	3301
rs987237	6	50803050	G	A	G	A	ieu-b-40	0.1803	0.0409	0.002	9.30E-84	379.3	795612	prot-a-1724	0.1871	0.0018	0.0315	0.955	3301
rs9926784	16	19941968	C	T	C	T	ieu-b-40	0.1822	-0.0258	0.002	9.90E-35	150.9	789617	prot-a-1724	0.1787	-0.0108	0.0321	0.741	3301
rs9927848	16	23833071	A	C	A	C	ieu-b-40	0.7326	-0.0122	0.002	6.40E-10	37.2	687060	prot-a-1724	0.7357	0.0142	0.0284	0.617	3301
rs9951619	18	56882326	G	T	G	T	ieu-b-40	0.7643	0.0156	0.002	1.40E-15	60.8	772643	prot-a-1724	0.7788	0.0666	0.0301	0.027	3301
rs998732	19	19378671	G	A	G	A	ieu-b-40	0.1578	-0.0171	0.002	2.00E-14	60.4	793852	prot-a-1724	0.1561	0.0064	0.0342	0.851	3301
rs9989141	14	94006257	T	C	T	C	ieu-b-40	0.6387	0.0162	0.002	3.60E-21	90.8	752768	prot-a-1724	0.6253	-0.0395	0.0263	0.132	3301
rs999889	10	84279949	A	G	A	G	ieu-b-40	0.2818	-0.0108	0.002	1.40E-08	32.3	690572	prot-a-1724	0.2836	-0.0422	0.0275	0.126	3301

e.a.e - effect allele exposure, o.a.e - other allele exposure, e.a.o - effect allele outcome, o.a.o - other allele outcome, exp - exposure, out - outcome