Suppl-Table1 STROBE-MR checklist of recommended items to address in reports of Mendelian randomization studies[1 2]

Item No.	Section	Checklist item	Page No.	Relevant text from manuscript
1	**TITLE and ABSTRACT**	Indicate Mendelian randomization (MR) as the study's design in the title and/or the abstract if that is a main purpose of the study	1	TITLE and ABSTRACT
	INTRODUCTION			
2	**Background**	Explain the scientific background and rationale for the reported study. What is the exposure? Is a potential causal relationship between exposure and outcome plausible? Justify why MR is a helpful method to address the study question	3-4	Line 80-97
3	**Objectives**	State specific objectives clearly, including pre-specified causal hypotheses (if any). State that MR is a method that, under specific assumptions, intends to estimate causal effects	4	Line 104-109
	METHODS			
4	**Study design and data sources**	Present key elements of the study design early in the article. Consider including a table listing sources of data for all phases of the study. For each data source contributing to the analysis, describe the following:		
	a)	Setting: Describe the study design and the underlying population, if possible. Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection, when available.	4-5	Line113-121
	b)	Participants: Give the eligibility criteria, and the sources and methods of selection of participants. Report the sample size, and whether any power or sample size calculations were carried out prior to the main analysis	4-5	Line113-121
	c)	Describe measurement, quality control and selection of genetic variants	4-5	Line113-121
	d)	For each exposure, outcome, and other relevant variables, describe methods of assessment and diagnostic criteria for diseases	5	Table1
	e)	Provide details of ethics committee approval and participant informed consent, if relevant		N/A
5	**Assumptions**	Explicitly state the three core IV assumptions for the main analysis (relevance, independence and exclusion restriction) as well assumptions for any additional or sensitivity analysis	6	Line 160-167
6	**Statistical methods: main analysis**	Describe statistical methods and statistics used		

		a)	Describe how quantitative variables were handled in the analyses (i.e., scale, units, model)	6	Line 148
		b)	Describe how genetic variants were handled in the analyses and, if applicable, how their weights were selected	6	Line 142-147
		c)	Describe the MR estimator (e.g. two-stage least squares, Wald ratio) and related statistics. Detail the included covariates and, in case of two-sample MR, whether the same covariate set was used for adjustment in the two samples	6	Line 164-165
		d)	Explain how missing data were addressed	5-6	Line 136-146
		e)	If applicable, indicate how multiple testing was addressed	6-7	Line 160-179
7	**Assessment of assumptions**		Describe any methods or prior knowledge used to assess the assumptions or justify their validity	7	Line 175-179
8	**Sensitivity analyses and additional analyses**		Describe any sensitivity analyses or additional analyses performed (e.g. comparison of effect estimates from different approaches, independent replication, bias analytic techniques, validation of instruments, simulations)	7	Line 174
9	**Software and pre-registration**				
		a)	Name statistical software and package(s), including version and settings used	6	Line 162
		b)	State whether the study protocol and details were pre-registered (as well as when and where)		
	RESULTS				
10	**Descriptive data**				
		a)	Report the numbers of individuals at each stage of included studies and reasons for exclusion. Consider use of a flow diagram	7	Line 189, Table 2
		b)	Report summary statistics for phenotypic exposure(s), outcome(s), and other relevant variables (e.g. means, SDs, proportions)	8	Table 2
		c)	If the data sources include meta-analyses of previous studies, provide the assessments of heterogeneity across these studies		N/A
		d)	For two-sample MR: i. Provide justification of the similarity of the genetic variant-exposure associations between the exposure and outcome samples ii. Provide information on the number of individuals who overlap between the	7	Table 2

			exposure and outcome studies		
11	**Main results**				
		a)	Report the associations between genetic variant and exposure, and between genetic variant and outcome, preferably on an interpretable scale	7	Table 2
		b)	Report MR estimates of the relationship between exposure and outcome, and the measures of uncertainty from the MR analysis, on an interpretable scale, such as odds ratio or relative risk per SD difference	7	Table 2
		c)	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period		N/A
		d)	Consider plots to visualize results (e.g. forest plot, scatterplot of associations between genetic variants and outcome versus between genetic variants and exposure)	8	Figure 3,4
12	**Assessment of assumptions**				
		a)	Report the assessment of the validity of the assumptions	8-9	Line 218-227
		b)	Report any additional statistics (e.g., assessments of heterogeneity across genetic variants, such as I^2, Q statistic or E-value)	9	Table 3
13	**Sensitivity analyses and additional analyses**				
		a)	Report any sensitivity analyses to assess the robustness of the main results to violations of the assumptions	8	Line 209-215
		b)	Report results from other sensitivity analyses or additional analyses	8	Line 209-215
		c)	Report any assessment of direction of causal relationship (e.g., bidirectional MR)	8	Line 218-227
		d)	When relevant, report and compare with estimates from non-MR analyses		N/A
		e)	Consider additional plots to visualize results (e.g., leave-one-out analyses)	8	Suppl-Figure 1
	DISCUSSION				
14	**Key results**		Summarize key results with reference to study objectives	9-10	Line 245-261
15	**Limitations**		Discuss limitations of the study, taking into account the validity of the IV assumptions, other sources of potential bias, and imprecision. Discuss both direction and magnitude of any potential bias and any efforts to address them	11	Line 282-293

16	**Interpretation**			
		a) Meaning: Give a cautious overall interpretation of results in the context of their limitations and in comparison with other studies	9	Line 234-244
		b) Mechanism: Discuss underlying biological mechanisms that could drive a potential causal relationship between the investigated exposure and the outcome, and whether the gene-environment equivalence assumption is reasonable. Use causal language carefully, clarifying that IV estimates may provide causal effects only under certain assumptions	10	Line 262-271
		c) Clinical relevance: Discuss whether the results have clinical or public policy relevance, and to what extent they inform effect sizes of possible interventions	11	Line 296-298
17	**Generalizability**	Discuss the generalizability of the study results (a) to other populations, (b) across other exposure periods/timings, and (c) across other levels of exposure	11	Line 296-298
	OTHER INFORMATION			
18	**Funding**	Describe sources of funding and the role of funders in the present study and, if applicable, sources of funding for the databases and original study or studies on which the present study is based	12	Line 318
19	**Data and data sharing**	Provide the data used to perform all analyses or report where and how the data can be accessed, and reference these sources in the article. Provide the statistical code needed to reproduce the results in the article, or report whether the code is publicly accessible and if so, where	12	Line 315
20	**Conflicts of Interest**	All authors should declare all potential conflicts of interest	12	Line 305

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1. Skrivankova VW, Richmond RC, Woolf BAR, Yarmolinsky J, Davies NM, Swanson SA, et al. Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomization (STROBE-MR) Statement. JAMA. 2021;under review.

2. Skrivankova VW, Richmond RC, Woolf BAR, Davies NM, Swanson SA, VanderWeele TJ, et al. Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomisation (STROBE-MR): Explanation and Elaboration. BMJ. 2021;375:n2233.

Suppl-Table2 Association analysis for Systolic blood pressure (SBP)-decreasing GWAS risk alleles with the diagnosis of Allergic rhinitis (AR), IEU OpenGWAS 2018 and 2021 (N=1,242,119)**.**

Chr	Position	SNP	EA	EAF	SBP			AR		
					β	SE	P	β	SE	P
1	113044328	rs10776752	G	0.926031	0.8211	0.0576	4.16E-46	0.000787182	0.000900106	0.36
1	207208335	rs10864035	C	0.599411	-0.1793	0.0307	5.21E-09	-0.000407657	0.000479932	0.4
1	180865798	rs10914124	T	0.614208	-0.234	0.0312	6.38E-14	-0.000375914	0.000483505	0.45
1	217736417	rs11117882	A	0.769789	0.2741	0.0357	1.62E-14	0.000454308	0.000559257	0.41
1	41865293	rs11210029	A	0.638119	0.203	0.0313	8.84E-11	-0.000228466	0.000490299	0.63
1	150572037	rs11585169	T	0.433082	0.1796	0.0308	5.50E-09	0.000188316	0.000478497	0.68
1	197297417	rs12042924	T	0.538043	0.1807	0.0303	2.47E-09	-0.000990622	0.000474248	0.035
1	59621911	rs12063372	G	0.61908	0.1989	0.0318	3.98E-10	-0.000472027	0.000488524	0.34
1	43765089	rs1209384	A	0.380785	-0.2558	0.0313	3.02E-16	-0.000592859	0.000485411	0.24
1	67007389	rs12136922	G	0.493887	0.2027	0.0304	2.60E-11	0.000861138	0.000473011	0.065
1	28707612	rs12137056	C	0.689976	-0.2327	0.0328	1.30E-12	-0.00125482	0.000509859	0.016
1	169090660	rs12731646	C	0.601369	-0.189	0.0307	7.44E-10	0.000688354	0.000483289	0.16
1	42364877	rs1408945	G	0.581156	-0.3196	0.0304	7.51E-26	-0.0000262061	0.000478597	0.97
1	243387788	rs1565440	G	0.619181	0.1746	0.0311	1.98E-08	0.00112635	0.000485946	0.017
1	228204279	rs1745417	C	0.488672	0.2871	0.0301	1.45E-21	0.000555705	0.00047059	0.24
1	16348729	rs1889785	G	0.538269	0.1782	0.0304	4.58E-09	-0.000369988	0.000472045	0.4
1	6659505	rs2232460	G	0.66458	-0.2171	0.032	1.17E-11	-0.0010477	0.000497612	0.036
1	230849359	rs2493134	T	0.581316	0.3736	0.0309	1.18E-33	-0.000155181	0.000481571	0.75
1	3327032	rs2493296	C	0.862986	0.4183	0.0442	2.97E-21	0.000521921	0.000684983	0.44
1	2164116	rs263532	T	0.573043	-0.1798	0.0307	4.72E-09	0.000467342	0.000477031	0.32
1	207974818	rs2724377	A	0.533345	-0.1938	0.0301	1.21E-10	0.000765808	0.000471996	0.095
1	27407850	rs34079867	C	0.743035	0.1992	0.0354	1.83E-08	-0.00011807	0.000542262	0.79

1	25366987	rs404100	C	0.556986	0.1935	0.0303	1.70E-10	-0.000211038	0.000473475	0.65
1	184585182	rs4651224	C	0.547085	0.1986	0.0306	8.57E-11	-0.000063945	0.000478535	0.89
1	10767902	rs488834	C	0.241479	-0.3799	0.0365	2.27E-25	-0.000405596	0.000550778	0.44
1	249155909	rs4926499	G	0.169938	0.2965	0.0438	1.29E-11	0.001108	0.000641394	0.073
1	115827266	rs59980837	G	0.981267	1.0997	0.1163	3.21E-21	-0.00253252	0.00173719	0.13
1	56979681	rs61772592	A	0.879433	0.3181	0.0455	2.73E-12	0.000464594	0.000724763	0.51
1	78555928	rs658780	T	0.746763	0.2028	0.0347	5.08E-09	-0.000202432	0.000543129	0.67
1	11881441	rs6699618	C	0.838416	-0.9115	0.041	1.7E-09	0.00130475	0.000638064	0.035
1	221265336	rs72742507	C	0.701294	-0.2053	0.0328	3.87E-10	0.000369105	0.000514999	0.46
1	94051350	rs7514579	A	0.765539	-0.2243	0.0361	5.19E-10	-0.000142014	0.000560894	0.77
1	15810172	rs75461554	C	0.800626	-0.3016	0.0377	1.24E-15	0.000848881	0.000588304	0.17
1	209970355	rs7555285	G	0.194025	0.2294	0.0376	1.05E-09	0.00110516	0.000593005	0.052
1	156129796	rs76719272	C	0.873915	-0.2738	0.0461	2.86E-09	-0.00160727	0.000718019	0.025
1	56606206	rs778124	G	0.62461	0.2965	0.0311	1.52E-21	-0.0000449278	0.000485552	0.91
1	1684169	rs7796	C	0.514719	-0.3385	0.0314	4.27E-27	0.000847499	0.00047339	0.074
1	89242954	rs786923	C	0.372888	-0.3082	0.031	2.73E-23	0.000190707	0.000488406	0.75
2	174977976	rs10048760	T	0.522059	0.1862	0.0301	6.17E-10	-0.000352782	0.000473833	0.44
2	66773469	rs10188003	C	0.614465	0.1883	0.0307	8.59E-10	0.0000495999	0.000483423	0.93
2	112744260	rs10207726	C	0.70754	-0.2142	0.033	8.53E-11	0.000650568	0.000515904	0.21
2	230629138	rs1044822	C	0.849145	-0.248	0.0424	4.94E-09	-0.000292704	0.000658567	0.63
2	227185749	rs10804330	T	0.574475	-0.2351	0.0306	1.55E-14	-0.000388135	0.000479994	0.41
2	43196694	rs115262049	A	0.914885	-0.5893	0.0552	1.32E-26	-0.000331915	0.000848446	0.67
2	43397614	rs12464602	G	0.376439	-0.2437	0.0315	1.02E-14	-0.000186384	0.000491291	0.76
2	182987704	rs12473915	G	0.790134	-0.295	0.0375	3.64E-15	0.0016302	0.00057796	0.0044
2	204085635	rs12693982	C	0.604436	0.2575	0.0309	7.86E-17	0.000632503	0.00048062	0.18
2	213188795	rs12694277	T	0.305937	0.2018	0.0335	1.70E-09	0.000364468	0.000522974	0.45

2	26911745	rs1275985	C	0.393111	-0.5411	0.0308	4.32E-69	-0.0000113924	0.000485125	1
2	55779476	rs13016772	C	0.24727	0.2522	0.0355	1.21E-12	-0.000555535	0.000547635	0.3
2	191634958	rs13412750	G	0.727771	-0.2889	0.0341	2.41E-17	0.0004818	0.00052858	0.37
2	37517566	rs13420463	A	0.757636	-0.3143	0.036	2.53E-18	0.00128344	0.000553158	0.022
2	242344695	rs139354822	T	0.973491	-0.6115	0.0975	3.57E-10	0.00126263	0.0015059	0.39
2	135630498	rs17257081	A	0.820846	-0.2274	0.0392	6.59E-09	0.000645846	0.000616843	0.3
2	177540601	rs17610485	T	0.432802	0.1738	0.0304	1.08E-08	-0.000169365	0.000478247	0.73
2	19744462	rs17760259	T	0.581208	0.2654	0.0304	2.54E-18	0.0000686197	0.000477009	0.88
2	218680529	rs2161967	T	0.435166	-0.2836	0.0307	2.52E-20	0.00045274	0.00047859	0.38
2	65287896	rs2249105	A	0.631967	-0.2927	0.0313	8.65E-21	0.000120239	0.000485963	0.78
2	25187115	rs2384063	C	0.239096	0.3266	0.0357	5.78E-20	-0.0000531704	0.000550163	0.93
2	121996007	rs2580350	G	0.4444	0.1769	0.0307	8.30E-09	0.000334227	0.000476602	0.45
2	164954174	rs268263	T	0.257667	0.5938	0.0353	1.70E-63	0.00081611	0.000546348	0.14
2	231279616	rs3754944	C	0.42044	0.1768	0.0308	9.45E-09	0.000491751	0.000478169	0.3
2	218779144	rs3828282	C	0.441672	-0.1857	0.0318	5.23E-09	0.000209162	0.000477724	0.68
2	208521512	rs3845811	C	0.57498	0.2942	0.0309	1.71E-21	-0.000370068	0.00047691	0.42
2	73403040	rs4577304	T	0.514474	0.1767	0.0302	4.89E-09	-0.000612263	0.000473397	0.19
2	180738654	rs4894132	T	0.733488	-0.2469	0.0342	5.23E-13	0.000339893	0.000531949	0.57
2	40555733	rs4952609	A	0.745277	-0.2124	0.0347	9.30E-10	0.000674738	0.000544061	0.21
2	162278233	rs55732192	G	0.908115	-0.3358	0.0521	1.15E-10	0.0000745445	0.000817316	0.91
2	145726621	rs55944332	A	0.76984	0.2613	0.0355	1.83E-13	-0.00173076	0.000561207	0.0022
2	146989797	rs62170470	T	0.603697	-0.1972	0.0321	8.08E-10	0.000240457	0.000489774	0.64
2	68503044	rs6731373	G	0.646512	0.1913	0.0326	4.41E-09	0.000116101	0.000491469	0.78
2	69534650	rs6732123	G	0.577305	-0.1737	0.0307	1.53E-08	-0.000014017	0.00047832	0.96
2	114083120	rs6737318	A	0.780908	-0.2348	0.0364	1.11E-10	0.000268831	0.000569955	0.7
2	177053298	rs71421551	G	0.7176	0.2374	0.0333	1.01E-12	-0.000641095	0.000522242	0.2

2	86326717	rs72847885	A	0.663878	-0.2413	0.0318	3.25E-14	0.000452308	0.000498303	0.36
3	41925398	rs1052501	C	0.17186	0.2262	0.0412	4.01E-08	0.000565597	0.00063456	0.37
3	14943965	rs11925504	G	0.426906	-0.2901	0.0305	1.88E-21	-0.000885285	0.000475291	0.058
3	138101529	rs1199330	A	0.878846	0.2654	0.047	1.63E-08	0.000738555	0.000724942	0.34
3	121682388	rs12637573	A	0.470105	0.1731	0.0302	9.94E-09	0.000885701	0.000471903	0.059
3	169096900	rs1290784	C	0.55331	0.4124	0.0303	3.47E-42	-0.000104778	0.000473255	0.84
3	185322643	rs13081203	G	0.649976	0.2221	0.0323	6.15E-12	-0.000563171	0.00049313	0.26
3	85656311	rs1375564	C	0.371727	0.2579	0.0315	2.67E-16	-0.000555785	0.000493627	0.25
3	20073193	rs189267552	T	0.987947	-0.8664	0.139	4.57E-10	-0.000353185	0.00217075	0.85
3	169325621	rs2111557	C	0.53621	0.1764	0.0302	5.19E-09	0.0005436	0.000472268	0.24
3	183435713	rs262986	G	0.525042	-0.2371	0.0305	7.62E-15	0.0000426337	0.000473411	0.94
3	153732022	rs35288962	G	0.738635	0.2299	0.0344	2.34E-11	0.000489156	0.000534836	0.37
3	56771251	rs3772219	A	0.67124	-0.2733	0.0324	3.31E-17	0.000379084	0.000500956	0.44
3	168697602	rs3980686	G	0.886256	-0.4998	0.0487	1.04E-24	0.000402373	0.000746838	0.63
3	70920485	rs4499560	A	0.32263	0.2199	0.0326	1.53E-11	-0.000120694	0.000509274	0.8
3	169534538	rs4955575	A	0.748361	-0.2158	0.0348	5.61E-10	-0.000609845	0.000542173	0.28
3	124557643	rs6438857	T	0.57805	-0.2736	0.0305	2.95E-19	-0.000297083	0.000477156	0.51
3	53562894	rs6445583	G	0.254131	0.2774	0.0349	1.89E-15	-0.000196135	0.000539924	0.68
3	158212823	rs6788907	G	0.735814	0.221	0.0339	7.07E-11	-0.000609461	0.000532007	0.25
3	41107173	rs6788984	A	0.852482	-0.2999	0.0432	3.86E-12	-0.000507277	0.000669125	0.46
3	27704702	rs68115553	A	0.982055	0.6445	0.1143	1.71E-08	0.000285983	0.00177882	0.87
3	37598382	rs743395	C	0.626369	0.2597	0.0317	2.56E-16	-0.0000734299	0.000494768	0.86
3	53143901	rs7615099	A	0.67146	-0.1891	0.0321	3.84E-09	0.000626991	0.000502425	0.22
3	66422246	rs7618284	G	0.651076	-0.1891	0.0331	1.11E-08	0.000189522	0.00050589	0.73
3	154680449	rs79539362	T	0.89873	-0.4003	0.0504	1.98E-15	-0.000320121	0.000777806	0.66
3	11495983	rs9848170	G	0.405959	0.3231	0.0307	6.67E-26	0.000267085	0.000479489	0.58

3	196228360	rs9869437	C	0.643669	-0.2001	0.0318	3.12E-10	0.000509254	0.000494721	0.29
3	141152017	rs9876694	C	0.935221	0.4713	0.0651	4.50E-13	-0.00124405	0.000973412	0.2
3	133949366	rs9880098	G	0.622195	0.3081	0.0308	1.47E-23	-0.000142983	0.000486369	0.78
4	106911321	rs11097909	T	0.146694	0.3628	0.043	3.25E-17	0.0009359	0.000664125	0.16
4	46595623	rs12511987	T	0.819804	0.2329	0.0399	5.31E-09	-0.000341634	0.000616039	0.58
4	156639846	rs12643599	A	0.637865	-0.3134	0.0313	1.34E-23	-0.000517543	0.000487749	0.26
4	2668217	rs1290933	C	0.320046	-0.2847	0.0327	3.14E-18	-0.00108206	0.000507712	0.033
4	63768826	rs13107261	G	0.627858	-0.1778	0.0314	1.49E-08	0.000288279	0.000487055	0.61
4	103188709	rs13107325	C	0.92814	-0.9086	0.0592	3.65E-53	-0.00477901	0.000911337	0.00000016
4	89750668	rs13149209	T	0.779156	-0.281	0.0367	1.91E-14	0.000597224	0.000569472	0.26
4	108861082	rs1493132	T	0.655236	0.1766	0.0318	2.80E-08	0.000151986	0.000494751	0.77
4	86719165	rs17010957	T	0.851651	0.534	0.043	2.07E-35	0.00129727	0.000666861	0.05
4	157678511	rs17035181	T	0.852965	-0.3074	0.0429	7.75E-13	-0.000876363	0.00066418	0.2
4	111408718	rs1814951	G	0.118241	-0.3231	0.0466	4.11E-12	-0.000170974	0.000731527	0.83
4	38387244	rs2291434	G	0.467921	-0.2622	0.0303	5.00E-18	-0.000747967	0.000471644	0.11
4	145740898	rs2353940	T	0.755468	0.2075	0.0358	6.79E-09	0.00098352	0.000551553	0.071
4	3451109	rs2498323	G	0.901659	0.3171	0.0517	8.60E-10	-0.000198134	0.000788366	0.78
4	18008232	rs2610990	A	0.259232	0.2903	0.0343	2.59E-17	-0.000274576	0.000536002	0.59
4	157004869	rs28634038	T	0.666829	0.18	0.032	1.86E-08	0.000876921	0.000504178	0.079
4	26785356	rs28667801	A	0.594081	0.2627	0.0314	5.95E-17	0.00071875	0.000481938	0.14
4	2246927	rs34535756	C	0.959133	0.478	0.0786	1.19E-09	-0.00064653	0.00119495	0.55
4	144085327	rs4690774	A	0.521206	-0.21	0.0303	4.19E-12	-0.000629456	0.00047218	0.17
4	156398688	rs4691666	C	0.471824	-0.3631	0.0302	2.68E-33	-0.000101353	0.000472106	0.89
4	120555696	rs4834792	T	0.519145	0.1973	0.0303	7.44E-11	0.000276509	0.000471411	0.51
4	77414988	rs5020545	C	0.564266	-0.2179	0.0305	9.05E-13	-0.000748059	0.000477207	0.12

4	83830244	rs60909079	G	0.735294	-0.2114	0.0351	1.71E-09	-0.000221811	0.000534	0.72
4	54801228	rs60991988	T	0.881773	-0.3789	0.0498	2.77E-14	-0.000356622	0.000746581	0.63
4	48713862	rs62309747	G	0.539591	-0.2244	0.0304	1.56E-13	0.000304726	0.000471868	0.49
4	138464842	rs7439567	C	0.58602	0.2537	0.0309	2.21E-16	0.000432354	0.000479681	0.38
4	169688000	rs869396	C	0.529528	-0.2115	0.0305	4.08E-12	0.00012765	0.000474776	0.8
5	127411454	rs10045307	C	0.764705	0.2024	0.0362	2.26E-08	0.000357483	0.000560127	0.54
5	1279790	rs10069690	C	0.735504	0.3098	0.0369	4.63E-17	0.00041482	0.000534821	0.43
5	33194751	rs10941043	T	0.712595	0.2585	0.0332	6.91E-15	-0.000066256	0.000519243	0.88
5	114428167	rs11241313	C	0.689106	-0.2071	0.0326	2.11E-10	-0.000257245	0.000508334	0.62
5	157817634	rs11960210	T	0.624788	-0.4727	0.0313	1.57E-51	0.000164903	0.000485352	0.79
5	179411477	rs12153395	G	0.889049	-0.3303	0.0486	1.07E-11	-0.00132779	0.000756087	0.084
5	32831939	rs12656497	T	0.403652	0.6382	0.0307	5.53E-96	-0.000482899	0.000478421	0.33
5	61940569	rs12657950	C	0.93318	0.455	0.059	1.24E-14	-0.000901894	0.000939237	0.32
5	157938070	rs13358657	A	0.869271	0.388	0.0445	2.80E-18	-0.000307676	0.000696386	0.63
5	122470209	rs1422279	C	0.613392	0.331	0.0309	8.94E-27	0.000700034	0.000484571	0.14
5	53276301	rs1664781	G	0.302619	0.2643	0.0326	5.17E-16	0.000579568	0.000511402	0.23
5	97953719	rs1871190	G	0.679512	0.1954	0.0324	1.63E-09	0.00054384	0.000508388	0.28
5	157474590	rs1957563	C	0.733561	0.3629	0.0342	2.65E-26	-0.000435804	0.000531259	0.44
5	68007803	rs246973	C	0.712901	0.2479	0.0335	1.36E-13	-0.000411227	0.000528002	0.45
5	55861464	rs28650790	C	0.81005	0.2287	0.0387	3.43E-09	0.000837036	0.000597925	0.16
5	141726983	rs2913920	C	0.228986	0.2418	0.0359	1.64E-11	0.000556625	0.000561224	0.32
5	173301427	rs3860770	G	0.722152	-0.2663	0.0333	1.27E-15	0.000266982	0.000526259	0.61
5	361148	rs4957026	A	0.337669	-0.1982	0.0323	8.45E-10	-0.000150487	0.000497424	0.79
5	87389027	rs6452769	G	0.789503	-0.3143	0.0377	7.63E-17	0.00196385	0.000583439	0.00087
5	63831964	rs6870654	T	0.738898	-0.2136	0.0347	7.48E-10	-0.0000485462	0.00053545	0.87

5	127845030	rs6892983	C	0.582479	0.3427	0.0307	6.20E-29	0.0000532538	0.000481562	0.91
5	140086677	rs702395	C	0.564365	0.2318	0.0305	2.96E-14	-0.000241181	0.00047374	0.64
5	66280577	rs73103937	T	0.732255	-0.2051	0.0344	2.49E-09	-0.0004047	0.000536566	0.49
5	96211594	rs76443575	G	0.964022	-0.5233	0.0816	1.43E-10	0.00152063	0.00126258	0.2
5	67678506	rs7703560	A	0.690194	0.2246	0.0333	1.53E-11	-0.000247686	0.000515254	0.63
5	50818437	rs7722243	G	0.491719	-0.2048	0.0302	1.19E-11	0.000467022	0.000472633	0.32
5	15695987	rs7725413	C	0.232201	-0.1985	0.0359	3.22E-08	-0.000807512	0.000558273	0.15
5	122835051	rs9327297	C	0.671138	-0.2747	0.0319	7.22E-18	-0.00114244	0.000500222	0.021
6	161720674	rs10214535	A	0.684153	-0.1806	0.0327	3.33E-08	-0.000552224	0.000512679	0.27
6	126228512	rs10782230	G	0.521833	0.2106	0.0302	3.09E-12	0.00068253	0.000469769	0.14
6	43760327	rs11967262	C	0.513025	0.1715	0.0311	3.50E-08	-0.000848509	0.000472675	0.068
6	30988017	rs12528975	G	0.950173	0.4751	0.0747	2.02E-10	-0.00115502	0.00107721	0.28
6	163737476	rs12661036	T	0.77201	0.2104	0.0374	1.85E-08	0.000365268	0.000571915	0.51
6	7715689	rs1575290	C	0.527568	0.1973	0.0301	5.57E-11	0.000515397	0.000471539	0.27
6	12295987	rs1630736	C	0.543982	-0.1706	0.0309	3.37E-08	-0.000791443	0.000476774	0.11
6	151004770	rs17080102	G	0.926348	-0.8085	0.0594	3.44E-42	-0.00111727	0.000900333	0.22
6	79657391	rs1984195	G	0.510145	0.2409	0.0303	1.86E-15	0.000748509	0.000470823	0.11
6	22056923	rs2294214	A	0.690639	-0.2388	0.0333	7.44E-13	-0.00071944	0.000508428	0.14
6	134209837	rs2327429	T	0.703727	-0.2	0.0338	3.28E-09	-0.000286986	0.000517672	0.59
6	31762843	rs2607015	G	0.58506	0.4465	0.0309	2.51E-47	0.000393081	0.000477642	0.4
6	22392260	rs2744133	A	0.727242	-0.2879	0.0337	1.31E-17	-0.000647553	0.000528012	0.21
6	1613686	rs2745599	A	0.540183	-0.2164	0.0317	8.70E-12	0.000938957	0.000477105	0.054
6	39262535	rs2815063	C	0.864106	0.2755	0.0458	1.80E-09	-0.0000871703	0.000698426	0.87
6	159680744	rs294886	T	0.281629	-0.2318	0.034	9.25E-12	0.000720878	0.000524629	0.15
6	97066242	rs6921291	C	0.813242	0.3575	0.0385	1.61E-20	0.000826576	0.000603308	0.19
6	166180947	rs6932812	C	0.923889	-0.4603	0.0615	7.18E-14	-0.00165202	0.000900639	0.074

6	152160286	rs75559245	A	0.915932	-0.3122	0.0529	3.60E-09	0.00124415	0.000846765	0.14
6	43349215	rs7763558	G	0.668886	0.3363	0.0321	1.11E-25	-0.000827238	0.000501914	0.095
6	147713764	rs7765526	A	0.462221	-0.201	0.0307	5.86E-11	0.000139926	0.000476591	0.81
6	50683009	rs78648104	T	0.915307	0.4287	0.0541	2.30E-15	-0.00289546	0.000843209	0.00067
6	25882678	rs79782817	G	0.902797	0.5324	0.0499	1.42E-26	0.00148546	0.000793075	0.057
6	143200936	rs8180684	C	0.710665	0.2134	0.0335	1.89E-10	-0.000152361	0.000520248	0.74
6	20685486	rs9356744	T	0.684812	0.2026	0.0325	4.55E-10	0.000393724	0.000507664	0.41
6	82235408	rs9361836	C	0.690632	0.2196	0.0324	1.22E-11	-0.000275316	0.000508998	0.54
6	127159982	rs9401913	G	0.568279	0.5202	0.0305	3.17E-65	-0.00115503	0.000474701	0.013
6	109013930	rs9486916	C	0.79197	0.2657	0.0385	5.15E-12	-0.000133987	0.000603762	0.86
6	117522156	rs961764	C	0.431956	0.1909	0.0305	3.87E-10	-0.000837913	0.000475487	0.089
7	151413194	rs10224210	T	0.725327	0.3831	0.034	1.90E-29	-0.000316381	0.000529033	0.56
7	2529623	rs10282122	C	0.330395	-0.302	0.0327	2.57E-20	0.000877065	0.000500197	0.074
7	24735004	rs112509803	G	0.884645	-0.2641	0.0477	3.08E-08	-0.000686804	0.000741819	0.38
7	46008110	rs11977526	G	0.597477	-0.3213	0.0312	7.19E-25	-0.000404494	0.000479787	0.38
7	47548893	rs12668436	T	0.752164	0.2151	0.035	7.96E-10	-0.000128991	0.000544312	0.81
7	155744303	rs1870735	C	0.451641	-0.206	0.0311	3.50E-11	-0.00109301	0.000476816	0.021
7	19039605	rs28688791	T	0.802735	0.3222	0.038	2.27E-17	0.000109028	0.000594721	0.84
7	130432469	rs34072724	G	0.514552	-0.2422	0.0303	1.31E-15	-0.000462175	0.000471588	0.32
7	130973495	rs35680304	C	0.41393	0.2694	0.031	3.61E-18	-0.000369523	0.000483287	0.43
7	18543250	rs3807925	A	0.653141	0.1859	0.0319	5.62E-09	0.00119644	0.000495689	0.012
7	92237426	rs42032	G	0.739787	-0.3231	0.0345	7.59E-21	0.000838951	0.000537832	0.11
7	106412082	rs62481856	G	0.802751	0.7448	0.0376	2.51E-87	0.000174549	0.000590308	0.73
7	90297177	rs67617547	C	0.673205	-0.1799	0.0322	2.31E-08	-0.000542938	0.000502645	0.26
7	27328187	rs6961048	C	0.899337	0.5304	0.0497	1.38E-26	-0.0000307613	0.00078105	0.99

7	1966841	rs6978112	C	0.582366	0.2286	0.0309	1.38E-13	-0.000160511	0.000480056	0.74
7	4669949	rs73049928	A	0.80798	0.2382	0.0392	1.23E-09	0.000237218	0.000600553	0.72
7	149474622	rs73727605	G	0.933392	0.3616	0.0623	6.47E-09	0.0000862811	0.000942125	0.94
7	131321010	rs75672964	C	0.957696	0.5885	0.0839	2.31E-12	0.000367254	0.0011784	0.75
7	77572461	rs848445	T	0.282401	0.2025	0.0339	2.32E-09	0.000320349	0.000522288	0.52
7	28650761	rs977184	T	0.638869	0.184	0.0314	4.63E-09	-0.0000362596	0.000494638	0.98
8	23401534	rs10866828	C	0.733101	0.2476	0.0355	3.07E-12	0.000572068	0.000537749	0.3
8	68920135	rs13253358	C	0.688999	0.2127	0.033	1.15E-10	0.000779453	0.000512944	0.12
8	81386066	rs148401029	C	0.965174	-0.4623	0.0848	4.99E-08	0.00149902	0.00128214	0.25
8	101674751	rs1786345	A	0.556991	-0.2073	0.0307	1.45E-11	-0.00107233	0.000475615	0.031
8	10640065	rs1821002	C	0.401949	-0.3794	0.0307	4.39E-35	-0.000872561	0.000480371	0.084
8	38130025	rs1906672	G	0.767988	0.2966	0.0358	1.18E-16	-0.000455086	0.000556912	0.37
8	76878957	rs2126474	G	0.580295	-0.2601	0.0306	1.90E-17	-0.000684141	0.000476531	0.16
8	64501744	rs2354862	A	0.648642	-0.2507	0.0317	2.60E-15	0.000774787	0.000496551	0.11
8	120358445	rs2470004	C	0.182928	-0.3454	0.0392	1.24E-18	-0.000466158	0.000607472	0.46
8	26000422	rs2951987	G	0.906472	0.287	0.0515	2.51E-08	-0.000343289	0.000813115	0.71
8	95278307	rs34917849	G	0.872427	0.3124	0.0454	5.94E-12	0.00106526	0.000704002	0.14
8	141057641	rs4440615	G	0.374402	-0.2201	0.0312	1.73E-12	-0.000196885	0.000485689	0.67
8	129483956	rs4598218	C	0.397668	0.1911	0.0313	1.03E-09	-0.0000145753	0.00048675	0.93
8	51947549	rs4873492	C	0.822331	0.3431	0.0403	1.69E-17	-0.000416744	0.000619355	0.49
8	141812374	rs4961293	C	0.540441	0.2268	0.0303	7.15E-14	-0.000286362	0.000474343	0.54
8	82828857	rs62512914	A	0.587525	-0.2066	0.0306	1.46E-11	-0.000481948	0.000478286	0.35
8	1710632	rs6558535	T	0.283012	0.216	0.0336	1.29E-10	-0.000019894	0.000522987	0.97
8	25891653	rs6997996	A	0.742348	-0.4215	0.0347	5.95E-34	-0.000337137	0.000539054	0.52
8	135616959	rs7012866	T	0.492259	0.2325	0.0301	1.13E-14	0.00113337	0.000471277	0.015
8	92777060	rs7830689	G	0.572709	0.1766	0.0306	7.87E-09	-0.0000467183	0.000478179	0.94

8	105921209	rs79069610	T	0.953655	0.4005	0.0727	3.61E-08	-0.00079588	0.00112992	0.51
8	77681093	rs9918879	G	0.897856	-0.2984	0.0499	2.23E-09	-0.00179534	0.000779662	0.021
9	77238558	rs10746963	A	0.189233	0.2177	0.0388	2.01E-08	0.000117934	0.000603292	0.8
9	113249071	rs10980408	T	0.963007	0.7606	0.0827	3.68E-20	0.00240658	0.00125619	0.054
9	139520789	rs11145807	A	0.41863	-0.2135	0.0322	3.35E-11	0.00164351	0.000481784	0.00072
9	9350706	rs1332813	T	0.352021	-0.2203	0.0314	2.28E-12	-0.000949203	0.000493161	0.06
9	116689758	rs2900568	C	0.485825	-0.1889	0.03	3.04E-10	0.000417529	0.000471396	0.38
9	128153616	rs3104552	T	0.55416	-0.2449	0.0303	6.34E-16	-0.0000304785	0.000476362	0.9
9	123516572	rs34025993	A	0.420351	-0.223	0.0308	4.48E-13	0.00135597	0.000479917	0.0056
9	34223553	rs4553000	C	0.487896	-0.2035	0.03	1.17E-11	0.00015342	0.000469855	0.75
9	753648	rs60191654	A	0.813532	0.2382	0.0385	6.13E-10	0.000396653	0.000604352	0.5
9	95201540	rs7045409	T	0.62704	-0.1862	0.0313	2.70E-09	-0.000786633	0.00049128	0.096
9	35906471	rs76452347	C	0.800972	-0.2974	0.0397	6.83E-14	-0.000524588	0.000611739	0.38
9	125863350	rs7854147	A	0.866587	-0.3056	0.0461	3.38E-11	-0.00105296	0.000709376	0.12
9	4117713	rs927315	C	0.526914	0.1689	0.0303	2.49E-08	-0.000595278	0.000474553	0.2
9	22942770	rs9886665	T	0.276372	-0.2048	0.0343	2.36E-09	0.0000246289	0.000534749	0.91
10	102553647	rs1006545	G	0.109493	0.6846	0.048	3.75E-46	0.000217766	0.00075338	0.82
10	82136664	rs10749572	G	0.455856	-0.203	0.0302	1.79E-11	0.000831177	0.000473358	0.085
10	94441507	rs111866816	C	0.930869	0.3569	0.0597	2.26E-09	-0.00139664	0.000933171	0.13
10	104959188	rs11191607	G	0.919336	-1.1036	0.0552	6.37E-89	-0.0014296	0.000864402	0.083
10	4124568	rs11252324	G	0.925092	-0.4164	0.0573	3.68E-13	-0.00188188	0.000892904	0.035
10	134459388	rs1133400	A	0.781647	0.2975	0.0376	2.53E-15	0.00108641	0.000568297	0.057
10	122968964	rs11592107	G	0.693279	0.3024	0.0326	1.76E-20	0.000621439	0.000510868	0.22
10	107158054	rs117464403	G	0.981492	0.864	0.1199	5.76E-13	0.00136025	0.00174556	0.45
10	114808902	rs12255372	G	0.714034	0.2358	0.0335	1.94E-12	0.00025167	0.000519135	0.62

10	32289986	rs12264186	C	0.815399	0.2135	0.0387	3.45E-08	-0.000205471	0.000604605	0.73
10	18471794	rs1623474	C	0.663307	0.3827	0.0321	9.08E-33	-0.000485917	0.000499388	0.34
10	75409877	rs2177843	C	0.846138	0.4394	0.0432	2.66E-24	-0.000854755	0.000658666	0.2
10	64564892	rs2236295	G	0.60618	-0.3028	0.0309	1.13E-22	-0.00149264	0.00048558	0.0019
10	95899706	rs2689690	C	0.638691	-0.2702	0.0316	1.22E-17	-0.000328906	0.00049318	0.48
10	48411796	rs34130368	G	0.884167	-0.3016	0.0497	1.29E-09	-0.000561373	0.000736562	0.46
10	28233469	rs3802517	T	0.545579	0.2527	0.0301	4.65E-17	-0.000300572	0.000471727	0.53
10	60365755	rs4245599	A	0.458314	0.1794	0.0305	4.05E-09	0.000948825	0.000475013	0.05
10	45377839	rs4284362	C	0.281996	-0.2256	0.0338	2.48E-11	0.000959604	0.00053145	0.077
10	63499951	rs57946343	T	0.853804	-0.716	0.0426	2.15E-63	0.000536604	0.000666215	0.4
10	115717311	rs60444686	G	0.959858	0.5905	0.0782	4.31E-14	0.00134542	0.00121149	0.25
10	124234880	rs7093894	C	0.844802	0.236	0.0427	3.26E-08	0.00111325	0.000658803	0.1
10	115792787	rs740746	G	0.269199	0.4557	0.0342	1.67E-40	-0.000385196	0.000532225	0.45
10	133773019	rs7912283	G	0.34722	-0.2144	0.0322	2.77E-11	-0.00089622	0.000493929	0.07
11	30192151	rs10501122	T	0.639856	-0.1916	0.0315	1.18E-09	0.000157817	0.000489627	0.76
11	72088806	rs10501410	G	0.928503	0.4122	0.0607	1.12E-11	0.0000763079	0.000925628	0.91
11	130469044	rs10750441	C	0.328743	0.1754	0.0319	3.83E-08	-0.000525022	0.000501041	0.31
11	130273230	rs11222084	A	0.637038	0.3363	0.0316	1.89E-26	0.000707904	0.00048892	0.16
11	45351729	rs11604357	C	0.834615	-0.277	0.0411	1.59E-11	-0.000526488	0.000635991	0.41
11	27273967	rs1382472	G	0.593052	-0.1917	0.0307	4.26E-10	0.000021293	0.00048017	0.99
11	10679441	rs1544861	T	0.324798	-0.1969	0.0318	5.95E-10	0.00060841	0.000504048	0.21
11	16930289	rs177551	C	0.865509	0.373	0.0442	3.20E-17	0.0000706737	0.00068846	0.9
11	22492454	rs17762	G	0.914614	0.4117	0.0571	5.59E-13	0.00111232	0.000883448	0.2
11	16365282	rs2014408	C	0.789893	0.5169	0.0373	1.14E-43	0.000324568	0.000579015	0.57
11	58407740	rs2276153	C	0.761734	-0.3296	0.0351	5.98E-21	-0.000222415	0.000552472	0.7
11	89224477	rs2289124	G	0.830942	-0.308	0.0415	1.16E-13	-0.000593626	0.000634265	0.32

11	117089628	rs236916	G	0.858803	0.3166	0.0446	1.26E-12	-0.000119485	0.000682393	0.81
11	48109948	rs2904315	A	0.323205	0.2081	0.0325	1.52E-10	-0.00018314	0.000508369	0.72
11	10364963	rs2957688	G	0.531521	0.3472	0.0304	3.28E-30	-0.00021119	0.000471997	0.67
11	1888614	rs4980379	C	0.640392	0.5764	0.032	1.55E-72	-0.000000065945	0.000492395	0.98
11	117267884	rs573455	A	0.468546	-0.1994	0.0303	4.68E-11	-0.000529913	0.000470283	0.25
11	100610546	rs604723	T	0.275115	0.655	0.0339	3.54E-83	0.00118369	0.000531638	0.021
11	100699139	rs629864	C	0.346655	-0.1868	0.0319	4.75E-09	0.00003125	0.000498018	0.92
11	65390803	rs66864335	G	0.778906	-0.3963	0.0365	1.84E-27	0.000555467	0.000566522	0.36
11	47676170	rs7107356	A	0.494947	0.4598	0.0301	1.11E-52	0.0000967192	0.000469068	0.85
11	69825414	rs72931748	A	0.912211	-0.3967	0.0529	6.43E-14	0.00180126	0.000833027	0.036
11	69262916	rs7395791	G	0.556021	-0.2162	0.0308	2.23E-12	0.000978564	0.000473901	0.037
11	2114221	rs74048190	T	0.952147	0.4404	0.0757	5.97E-09	0.00197448	0.00112184	0.074
11	67976593	rs74538877	G	0.945551	-0.3855	0.0707	4.96E-08	0.00190263	0.00106486	0.07
11	107086143	rs7926110	T	0.667503	-0.2603	0.0321	5.10E-16	0.0000742468	0.000501676	0.85
11	28512458	rs871004	G	0.65046	0.2336	0.0317	1.72E-13	0.000189761	0.000494812	0.72
12	20000315	rs1010064	A	0.811403	-0.3571	0.0387	2.77E-20	0.000160892	0.000601954	0.8
12	90349999	rs10777213	G	0.47057	-0.1786	0.0299	2.33E-09	0.000260499	0.000470875	0.6
12	122416254	rs1169078	C	0.682349	0.1971	0.0327	1.66E-09	-0.000576116	0.000505461	0.26
12	133086888	rs117206641	C	0.89377	0.3154	0.0499	2.60E-10	0.000570842	0.000767288	0.46
12	49209340	rs150857355	G	0.978485	0.9406	0.1122	5.15E-17	-0.000870324	0.00164718	0.62
12	90060586	rs17249754	G	0.824506	-0.8446	0.0403	1.59E-97	0.0000404054	0.000619179	0.96
12	115342956	rs1896326	G	0.767909	-0.2797	0.0371	4.73E-14	-0.000680272	0.000570269	0.26
12	26457650	rs2129869	A	0.782654	0.2643	0.0361	2.46E-13	-0.000717627	0.000571366	0.22
12	2436837	rs3819532	T	0.395838	0.1875	0.0306	8.93E-10	0.000523859	0.000481049	0.28
12	67782397	rs4143175	T	0.241043	-0.2187	0.0352	5.20E-10	0.000644212	0.000552038	0.24

12	102837863	rs5742643	T	0.247682	0.2233	0.0349	1.57E-10	0.000414115	0.000541033	0.45
12	48144520	rs61917619	G	0.621432	0.1963	0.0311	2.76E-10	-0.00027999	0.000486234	0.56
12	115920472	rs6490019	A	0.379766	0.2897	0.0309	6.89E-21	0.00135895	0.000485467	0.0046
12	50543201	rs7294548	A	0.363469	-0.3765	0.0308	2.31E-34	0.000928036	0.000489719	0.055
12	66376091	rs7306710	T	0.471967	0.2429	0.0303	1.09E-15	-0.00109936	0.000475543	0.019
12	20373541	rs73075659	A	0.660766	-0.3962	0.0321	5.34E-35	-0.00067214	0.000500369	0.16
12	111865049	rs7310615	C	0.464231	-0.585	0.0306	1.80E-81	-0.00201159	0.000481252	0.000028
12	434755	rs78998485	C	0.744233	0.2449	0.0346	1.46E-12	-0.000101075	0.000538756	0.86
12	79685226	rs7963801	T	0.41767	0.2362	0.0311	3.08E-14	0.000649273	0.00048251	0.19
12	79959658	rs7980644	A	0.164245	-0.2641	0.0404	6.27E-11	-0.000463075	0.000637162	0.49
12	27159784	rs9651825	A	0.73018	0.2042	0.034	1.90E-09	0.00111268	0.000531382	0.037
13	73131694	rs17245822	A	0.631113	0.1899	0.0312	1.15E-09	-0.000594127	0.000491635	0.22
13	41893105	rs2065498	T	0.174312	0.2934	0.0403	3.33E-13	-0.000213789	0.000627549	0.69
13	22294117	rs483071	C	0.372863	0.2709	0.0313	4.93E-18	-0.000608373	0.000493253	0.21
13	74223828	rs6562778	A	0.45629	-0.178	0.0304	4.76E-09	-0.000958239	0.000473801	0.04
13	115059765	rs7320104	A	0.843518	0.4141	0.0427	3.08E-22	0.00046624	0.000653056	0.46
13	47180671	rs7491248	G	0.778637	0.2163	0.0362	2.30E-09	-0.00107002	0.000568423	0.058
13	56398286	rs75961402	G	0.846381	0.2659	0.0418	2.00E-10	0.000133439	0.00065252	0.82
13	73826901	rs78474310	A	0.955908	0.4699	0.0734	1.53E-10	0.00114655	0.00114518	0.32
13	27951090	rs9507885	C	0.910133	-0.3208	0.0542	3.24E-09	-0.000416807	0.00083939	0.63
13	51489186	rs9526707	G	0.682968	-0.2039	0.0323	2.74E-10	-0.000109665	0.00050679	0.8
13	113652369	rs9549627	G	0.884226	0.2846	0.05	1.26E-08	-0.0000813863	0.000740705	0.98
14	75074316	rs11159091	G	0.55513	0.1978	0.0303	6.66E-11	-0.000411056	0.000477496	0.39
14	69259406	rs11847049	C	0.784641	0.2272	0.0364	4.33E-10	-0.0015007	0.000571918	0.0082
14	104007555	rs12885878	A	0.231426	0.2291	0.0367	4.31E-10	0.000532476	0.00057326	0.36

14	100133250	rs17562391	C	0.587279	0.1967	0.0306	1.29E-10	0.000335136	0.000477618	0.52
14	53420358	rs35413927	A	0.698197	0.3002	0.0328	5.57E-20	-0.000698436	0.000512931	0.17
14	23861811	rs365990	A	0.626643	-0.225	0.0312	5.53E-13	0.00119616	0.000486427	0.013
14	68018247	rs57140819	C	0.828186	-0.2415	0.0398	1.30E-09	0.000597034	0.000622018	0.35
14	98590629	rs7154723	G	0.622894	0.253	0.0309	2.66E-16	-0.0000629518	0.000485243	0.91
14	50735947	rs72683923	T	0.981092	-0.9587	0.1101	3.11E-18	-0.00114557	0.00172365	0.49
14	39400917	rs7493678	A	0.652749	0.189	0.0316	2.22E-09	-0.00049389	0.000494999	0.31
14	100197940	rs75016974	C	0.859119	-0.2513	0.0439	1.04E-08	0.000210278	0.000678902	0.76
14	35871217	rs8904	G	0.630679	0.3061	0.0314	1.87E-22	0.00118487	0.000487156	0.015
15	75114322	rs11636952	T	0.32751	-0.5313	0.0328	5.19E-59	-0.000782121	0.000511871	0.13
15	86040872	rs2046341	G	0.807517	-0.2542	0.0382	2.84E-11	-0.000685083	0.000597041	0.28
15	96785017	rs2589218	T	0.729487	0.2258	0.0339	2.72E-11	0.0000556505	0.000530753	0.91
15	81006712	rs2627313	C	0.569389	0.3208	0.0303	3.41E-26	0.00101227	0.000478773	0.037
15	63406170	rs2652812	C	0.238917	-0.2516	0.0353	1.02E-12	-0.00116736	0.000554931	0.03
15	66931617	rs28429256	G	0.66811	0.215	0.0325	3.71E-11	0.000147598	0.000506585	0.75
15	41442195	rs28866311	T	0.520402	0.2762	0.0302	5.92E-20	-0.0016127	0.000470654	0.00072
15	50810621	rs3098186	C	0.481773	-0.2422	0.0303	1.31E-15	0.000167173	0.000470956	0.75
15	100087596	rs4606697	G	0.892925	-0.3196	0.0523	9.91E-10	-0.000704383	0.000759738	0.4
15	48939888	rs4775769	T	0.0916519	0.4162	0.0517	8.26E-16	0.0000934754	0.000816978	0.92
15	91429287	rs4932373	A	0.68104	0.635	0.0328	1.69E-83	0.000976116	0.00050476	0.056
15	90010780	rs77032376	C	0.859885	-0.2727	0.043	2.27E-10	-0.000422549	0.00067956	0.53
15	40314967	rs8030856	C	0.602168	0.1764	0.031	1.27E-08	-0.000576466	0.000484386	0.23
16	74171973	rs1012089	C	0.48485	0.192	0.0302	2.05E-10	0.0000391128	0.000473641	0.87
16	4932929	rs1049212	A	0.442207	0.299	0.0302	4.14E-23	-0.000389787	0.000477387	0.42
16	1347717	rs11641374	C	0.409134	-0.1943	0.0309	3.22E-10	0.000149766	0.000481876	0.74

16	2065666	rs12596630	C	0.906016	0.4278	0.0547	5.25E-15	0.00236144	0.000816732	0.0031
16	81510155	rs12926550	G	0.688141	-0.2548	0.0324	3.71E-15	-0.00000866059	0.000509602	0.99
16	66781040	rs146550789	T	0.960829	0.4824	0.0778	5.63E-10	0.000300437	0.00121384	0.82
16	60652439	rs2060664	T	0.751008	-0.216	0.0345	3.83E-10	-0.000131223	0.00054249	0.83
16	4138378	rs2283500	A	0.895426	-0.3106	0.0481	1.07E-10	0.00153804	0.000772319	0.048
16	50550137	rs34941092	G	0.851703	-0.3225	0.0425	3.24E-14	0.000780949	0.000661209	0.24
16	86436343	rs3950627	C	0.482174	0.1851	0.0308	1.86E-09	-0.00131821	0.000479528	0.0075
16	51704452	rs4784541	T	0.484459	0.2015	0.0307	5.26E-11	-0.000656622	0.000479634	0.18
16	75432824	rs4888408	G	0.410141	0.3653	0.0307	1.20E-32	0.000713648	0.000478555	0.13
16	70729954	rs62047964	C	0.939799	0.5115	0.0686	8.90E-14	-0.00109328	0.00103686	0.26
16	87984477	rs6540119	A	0.329418	-0.2016	0.0322	3.83E-10	0.0000433151	0.000505455	0.92
16	21088031	rs7186298	C	0.56843	-0.2315	0.0302	1.78E-14	-0.000204939	0.000473075	0.66
16	3578718	rs72778133	T	0.863307	0.2417	0.0443	4.87E-08	-0.00082837	0.000690553	0.22
16	24811207	rs8044992	T	0.715234	-0.2138	0.0331	1.05E-10	-0.000142843	0.000520273	0.8
16	89697625	rs908951	C	0.573	-0.2261	0.0315	7.09E-13	0.0000927059	0.00047885	0.87
17	59475642	rs1000423	C	0.278995	0.4138	0.0346	5.79E-33	0.000777846	0.00052903	0.14
17	76799795	rs1057040	G	0.483215	-0.2228	0.03	1.11E-13	0.0000698843	0.0004705	0.84
17	7171356	rs113086489	C	0.457581	0.3249	0.0307	3.57E-26	-0.000282447	0.000474818	0.58
17	2012094	rs11653927	C	0.624911	-0.2796	0.0308	1.11E-19	-0.000512782	0.000489613	0.31
17	7870642	rs117285318	T	0.926397	-0.4413	0.0589	6.76E-14	0.000303359	0.000902725	0.74
17	60763400	rs12386061	G	0.584753	0.2188	0.0311	1.99E-12	-0.00051562	0.000479627	0.27
17	75316880	rs1436138	A	0.634728	-0.3119	0.0315	4.10E-23	0.0000924655	0.000490236	0.89
17	30032420	rs1551355	C	0.77487	0.2098	0.0356	3.79E-09	0.0000969114	0.000563479	0.82
17	46123932	rs3764400	T	0.871594	-0.3748	0.0445	3.69E-17	0.00027659	0.000703372	0.65
17	7455536	rs4511593	C	0.351683	-0.2881	0.0318	1.31E-19	-0.000246373	0.000493854	0.62

17	61090958	rs62076622	A	0.805147	-0.2363	0.0377	3.66E-10	-0.000444552	0.000594099	0.47
17	62381714	rs6504213	T	0.404619	0.2982	0.0312	1.20E-21	-0.00119326	0.000480044	0.015
17	19922364	rs7211535	A	0.478904	0.1779	0.0304	4.86E-09	-0.0000428636	0.000471373	0.86
17	43155914	rs7213273	G	0.343629	-0.4	0.0315	6.03E-37	-0.000223414	0.000496526	0.61
17	18221799	rs7221807	T	0.568216	0.217	0.0304	9.46E-13	0.0000446155	0.00047522	0.95
17	1372987	rs9303175	T	0.350597	0.2048	0.0327	3.78E-10	0.00132186	0.000496126	0.0081
17	47518378	rs9897429	G	0.485309	0.2645	0.0319	1.12E-16	-0.000479848	0.000479835	0.34
17	30777924	rs9899540	A	0.394685	-0.2011	0.0316	1.97E-10	0.000294615	0.000486528	0.54
18	54578482	rs10048404	C	0.638009	-0.2607	0.0317	1.97E-16	-0.00022823	0.000489608	0.67
18	73034151	rs10460108	A	0.480684	-0.2141	0.0301	1.14E-12	0.000240411	0.000473063	0.61
18	24546824	rs1154214	T	0.396597	0.2031	0.0306	3.20E-11	0.000716616	0.000481168	0.14
18	42596789	rs11874246	C	0.706494	0.2856	0.0328	3.11E-18	-0.0000380638	0.000515876	0.97
18	48132646	rs1437649	G	0.765908	-0.2189	0.0357	8.70E-10	0.000406858	0.000559346	0.47
18	777282	rs34413141	T	0.810696	-0.3531	0.0393	2.59E-19	0.000418208	0.000603791	0.47
18	42179819	rs56407827	C	0.739595	0.3603	0.034	3.07E-26	0.0000899031	0.000538231	0.83
18	22676071	rs62082230	T	0.725075	-0.1884	0.0345	4.74E-08	-0.000369342	0.000533961	0.5
18	51842682	rs665445	C	0.712476	-0.1909	0.0334	1.09E-08	-0.00144684	0.000524166	0.0067
18	43095231	rs7245140	T	0.811897	0.3367	0.0391	7.23E-18	0.000167847	0.000607071	0.79
19	45298461	rs10420519	G	0.964174	-0.4921	0.0887	2.89E-08	-0.00042912	0.001277	0.77
19	46180184	rs11672660	C	0.808402	0.2212	0.0381	6.41E-09	-0.000619026	0.000595898	0.27
19	5006598	rs12610654	A	0.658243	-0.2315	0.032	4.68E-13	0.000899139	0.000496797	0.066
19	2165383	rs141958336	G	0.960002	0.7807	0.078	1.39E-23	0.00138482	0.00119913	0.24
19	32591878	rs1433121	C	0.298285	-0.228	0.0326	2.67E-12	0.000862765	0.000517256	0.093
19	22111366	rs1848994	G	0.717214	0.2012	0.0334	1.70E-09	0.000118757	0.000521929	0.82
19	11508177	rs2291516	G	0.896944	0.3708	0.0505	2.10E-13	0.000368369	0.000774883	0.64
19	31867447	rs28572357	A	0.600194	0.2733	0.0308	7.10E-19	0.000259379	0.000481672	0.62

19	18455444	rs34518929	G	0.730395	-0.22	0.0345	1.81E-10	-0.000671014	0.000532146	0.21
19	49207554	rs571689	C	0.472378	0.228	0.0304	6.38E-14	0.000163697	0.000473811	0.71
19	45766729	rs7255933	G	0.747374	0.2306	0.0345	2.32E-11	0.000368426	0.000542169	0.46
19	30351998	rs73040775	C	0.934855	-0.3387	0.0619	4.46E-08	-0.0000461062	0.000958077	0.96
19	49605705	rs73046792	G	0.842821	-0.3554	0.0426	7.26E-17	0.000100255	0.000646048	0.92
19	10347032	rs8105174	C	0.81562	-0.2374	0.0398	2.45E-09	0.0000691264	0.000605902	0.89
20	19007099	rs17812022	C	0.907329	-0.3613	0.0525	5.91E-12	-0.000944591	0.000811273	0.26
20	10693337	rs2423514	A	0.539599	-0.3011	0.0302	2.06E-23	-0.00121714	0.000472185	0.0096
20	47241618	rs2598	A	0.516995	-0.168	0.0303	2.95E-08	-0.000687008	0.000475199	0.15
20	51788718	rs2801008	T	0.677404	0.1876	0.0324	7.03E-09	0.00061694	0.000506532	0.22
20	57463472	rs6026578	C	0.375188	0.185	0.0316	4.79E-09	0.000269127	0.000488039	0.59
20	57742388	rs6026744	A	0.881488	0.7131	0.0461	5.66E-54	-0.000400313	0.000730616	0.63
20	40266681	rs6029756	G	0.676721	-0.2712	0.033	2.07E-16	-0.0000612612	0.000509273	0.92
20	6327810	rs6054139	G	0.397826	0.2094	0.0306	7.75E-12	0.000647555	0.000480531	0.17
20	30139886	rs6058088	T	0.84065	-0.2832	0.0417	1.11E-11	0.0005639	0.000667158	0.39
20	11168669	rs6078093	G	0.576711	-0.1849	0.0304	1.19E-09	-0.000347033	0.000479402	0.49
20	47410231	rs6090907	G	0.852358	-0.3854	0.0425	1.21E-19	-0.000493055	0.000663637	0.43
20	10967214	rs6108787	T	0.522859	0.4274	0.03	4.70E-46	-0.000473448	0.00047097	0.3
20	31214944	rs79384779	C	0.851674	0.3179	0.0428	1.11E-13	0.00125174	0.00067299	0.059
20	17883531	rs8125763	C	0.532127	0.1761	0.0301	4.90E-09	-0.000565145	0.000473197	0.24
21	44760603	rs12627651	G	0.723132	0.3498	0.0341	1.09E-24	-0.000287416	0.000525665	0.63
21	16556367	rs1882961	C	0.69885	0.2443	0.0326	6.69E-14	-0.000187183	0.000515671	0.7
21	16317933	rs2776037	T	0.417392	0.1851	0.0309	2.09E-09	-0.0000278556	0.000478719	0.97
21	33814378	rs2833834	C	0.718565	0.2177	0.0338	1.19E-10	0.000531428	0.000525382	0.31
21	44838330	rs34487963	C	0.979599	-0.8819	0.1244	1.35E-12	-0.00237376	0.00168219	0.16
21	44966069	rs7278003	T	0.438511	0.1876	0.0304	6.78E-10	0.00185146	0.000474208	0.0000

										99
22	30135079	rs113264678	C	0.954442	0.4063	0.0727	2.29E-08	-0.0000185122	0.0011256	0.99
22	29453193	rs12321	G	0.562214	-0.2292	0.0303	3.90E-14	-0.000267163	0.000473988	0.59
22	50228044	rs148140538	C	0.914278	-0.3252	0.0562	7.19E-09	0.0012179	0.00084129	0.15
22	19976406	rs2238787	G	0.716137	0.2552	0.0332	1.51E-14	-0.000271447	0.000520815	0.63
22	50727921	rs28578714	T	0.608161	-0.2066	0.0327	2.65E-10	0.0000150788	0.000481904	0.93
22	32001037	rs8142376	C	0.511568	0.1676	0.03	2.31E-08	-0.0000635975	0.000470089	0.93

Abbreviations: SBP: Systolic blood pressure; AR: Allergic rhinitis; EA: effect allele; EAF: effect allele frequency; SE: standard error; SNP: single-nucleotide polymorphism.

Suppl-Table 3 Associations Between Genetically Determined MR analysis of exposures with outcomes, IEU OpenGWAS 2018 (N=462,434).

Datasets			**β**	**SE**	**OR (95% CI)**	**P**
Exposure (Smoking)	Outcome	The forward MR				
ukb-b-223	ieu-b-38	MR Egger	11.686	8.159	118862 (0.013-1012)	0.162
		Weighted median	0.065	1.332	1.068 (0.078-14.542)	0.961
		IVW	-4.069	2.329	0.017 (0.001- 1.641)	0.081
		Simple mode	1.894	2.436	6.644 (0.056-787.049)	0.443
		Weighted mode	0.854	1.725	2.348 (0.079-68.999)	0.624
			β	**SE**	**OR (95% CI)**	**P**
Exposure(Smoking)	Outcome	The reverse MR				
ukb-b-223	ebi-a-GCST90038664	MR Egger	-0.054	0.056	0.948(0.849-1.057)	0.349
		Weighted median	-0.019	0.019	0.981(0.946-1.018)	0.313
		IVW	-0.026	0.015	0.974(0.946-1.005)	0.099
		Simple mode	-0.016	0.031	0.984(0.927-1.045)	0.611
		Weighted mode	-0.012	0.028	0.987(0.934-1.043)	0.671

Abbreviations: IVW: Inverse variance weighted; CI: confidence interval; OR: odds ratio; SE: standard error; P: P-value

| Name | Sex | Age | Ht | Wt | Bmi | Bp | Hr | Rr | Temp | Spo2 | Pain | Smoking | Alcohol | Exercise | Diet | Sleep | Stress | Mood | Vision | Hearing | Allergies | Medications | Conditions | Hospitalizations | Surgeries | Family History | Vaccinations | Last Visit | Primary Care | Insurance | Publication | Publication Date | Publication Place | Publication Type | Publication Number | Publication Pages | Publication Volume | Publication Issue | Publication Series | Publication Edition | Publication Language | Publication Country | Publication Format | Publication Medium | Publication Genre | Publication Subject | Publication Keywords | Publication Abstract | Publication Summary | Publication Notes | Publication Comments | Publication Reviews | Publication Ratings | Publication Awards | Publication Prizes | Publication Honors | Publication Recognition | Publication Impact | Publication Influence | Publication Citations | Publication References | Publication Bibliography | Publication Sibliography | Publication Tibliography | Publication Ubliography | Publication Vibliography | Publication Wibliography | Publication Xibliography | Publication Yibliography | Publication Zibliography | Publication Aibliography | Publication Bibliography | Publication Cibliography | Publication Dibliography | Publication Eibliography | Publication Fibliography | Publication Gibliography | Publication Hibliography | Publication Ibliography | Publication Jibliography | Publication Kibliography | Publication Libliography | Publication Mibliography | Publication Nibliography | Publication Oibliography | Publication Pibliography | Publication Qibliography | Publication Ribliography | Publication Sibliography | Publication Tibliography | Publication Ubliography | Publication Vibliography | Publication Wibliography | Publication Xibliography | Publication Yibliography | Publication Zibliography |
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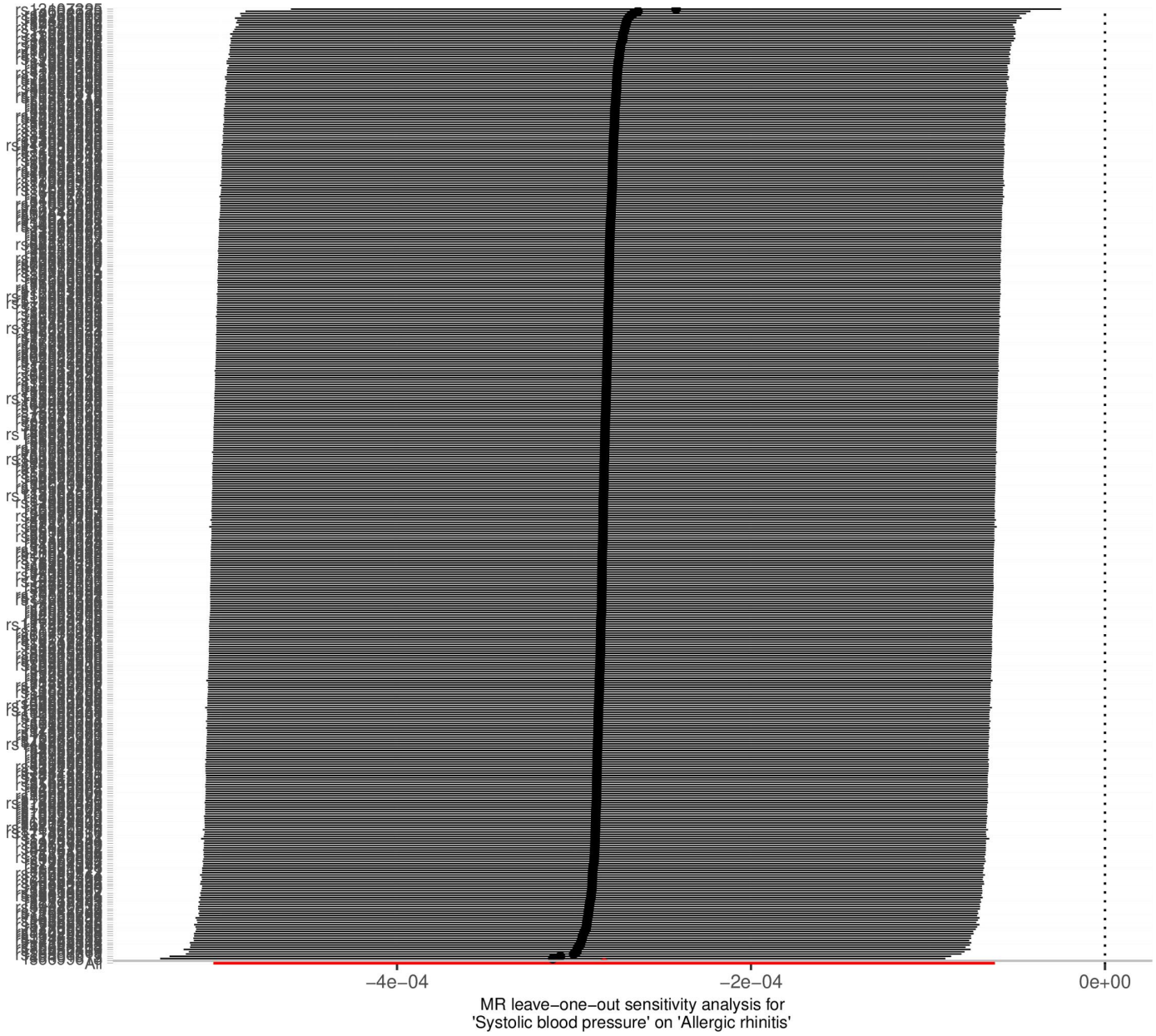
Supplementary Table 6

Chr	Pos	OR or BETA	CI (TRANSED)	CI(PUBMED)	FIRST ACTI	JOURNAL	Sample	STUDY ACCESSION
rs1998671	Allegrini	1.11072304	5.00E-06	1.15 TLF	23030096	Immunogl	J Allergy	3,933 Euro;3,933 Euro:GCST006131:G
rs2024671	Allegrini	1.10234567	5.00E-06	1.11;1.081	23030096	Immunogl	J Allergy	3,933 Euro;3,933 Euro:GCST006131:G
rs2121434	Leffatinel	11 7670049	5.00E-06	1.29 DEHT	23374253	Baurecht	Int J Dan	11,079 Euro;7,699 Euro:GCST006274:Genome-w
rs2024671	Allegrini	1.10234567	5.00E-06	1.11;1.081	23030096	Immunogl	J Allergy	3,933 Euro;3,933 Euro:GCST006131:G
rs3429026	Estrada-G	2.24173925	5.00E-04	0.041363	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-04	0.041363	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-04	0.041363	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3821065	Estrada-G	1.4603219	6.00E-40	0.1630987	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs6853567	Allegrini	0.6146057	6.00E-07	0.7 TLF	27185965	Pickrell	Nat Genet	28,399 Euro;28,399 Euro:GCST006398:Detection
rs3429026	Estrada-G	2.24173925	7.00E-07	1.107 DEHM	27185965	Pickrell	Nat Genet	28,399 Euro;28,399 Euro:GCST006398:Detection
rs6743618	Anthrax	4.3870207	8.00E-11	1.092 TLRI	27185965	Pickrell	Nat Genet	28,399 Euro;28,399 Euro:GCST006398:Detection
rs11633075	Allegrini	0.1183301	9.00E-07	0.1 LNCRD	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	9.00E-07	0.1 LNCRD	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs3429026	Estrada-G	2.24173925	9.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs3429026	Estrada-G	2.24173925	4.00E-09	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	4.00E-09	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	5.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs3429026	Estrada-G	2.24173925	6.00E-09	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-09	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	3.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	3.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs3429026	Estrada-G	2.24173925	6.00E-09	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-09	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	6.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	6.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	8.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	8.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	9.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	9.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-06	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-06	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	2.00E-06	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs3429026	Estrada-G	2.24173925	4.00E-09	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	4.00E-09	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs9997999	Estrada-G	1.10234567	9.00E-09	0.07998	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs9997999	Estrada-G	0.6178238	1.00E-08	0.0000000	23088493	Chen MH	Cell	474,237 E;474,237 E:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	6.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	6.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	7.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	7.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	8.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	8.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	15 9046652	9.00E-07	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	9.00E-07	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-07	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	2.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	3.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	3.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	3.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	4.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	4.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	4.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	6.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	6.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	7.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	7.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	8.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	8.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	9.00E-05	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	9.00E-05	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-05	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	1.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	1.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	1.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	2.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	3.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	3.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	3.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	4.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	4.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	4.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	6.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	6.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	7.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	7.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	8.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	8.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	9.00E-04	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	9.00E-04	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-04	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	1.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	1.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	1.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	2.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	3.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	3.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	3.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	4.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	4.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	4.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	5.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	5.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	5.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	6.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	6.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	6.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	7.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	7.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	7.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	8.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	8.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	8.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	9.00E-03	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	9.00E-03	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	9.00E-03	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	1.00E-02	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	1.00E-02	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	1.00E-02	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	2.00E-02	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	2.00E-02	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	2.00E-02	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000	23088493	Chen MH	Cell	377,663 A;377,663 A:GCST006062:Transcr
rs2024671	Allegrini	15 9046652	3.00E-02	0.000229	23088494	Vuckovic	Cell	408,112 B;408,112 B:GCST006061:Ge
rs3429026	Estrada-G	2.24173925	3.00E-02	0.0448917	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs3429026	Estrada-G	2.24173925	3.00E-02	0.063898	28062322	Arthr Rj	Cell	172,373 E;172,373 E:GCST006060:Ge
rs2024671	Allegrini	1.3850001	1.00E-10	0.0000000

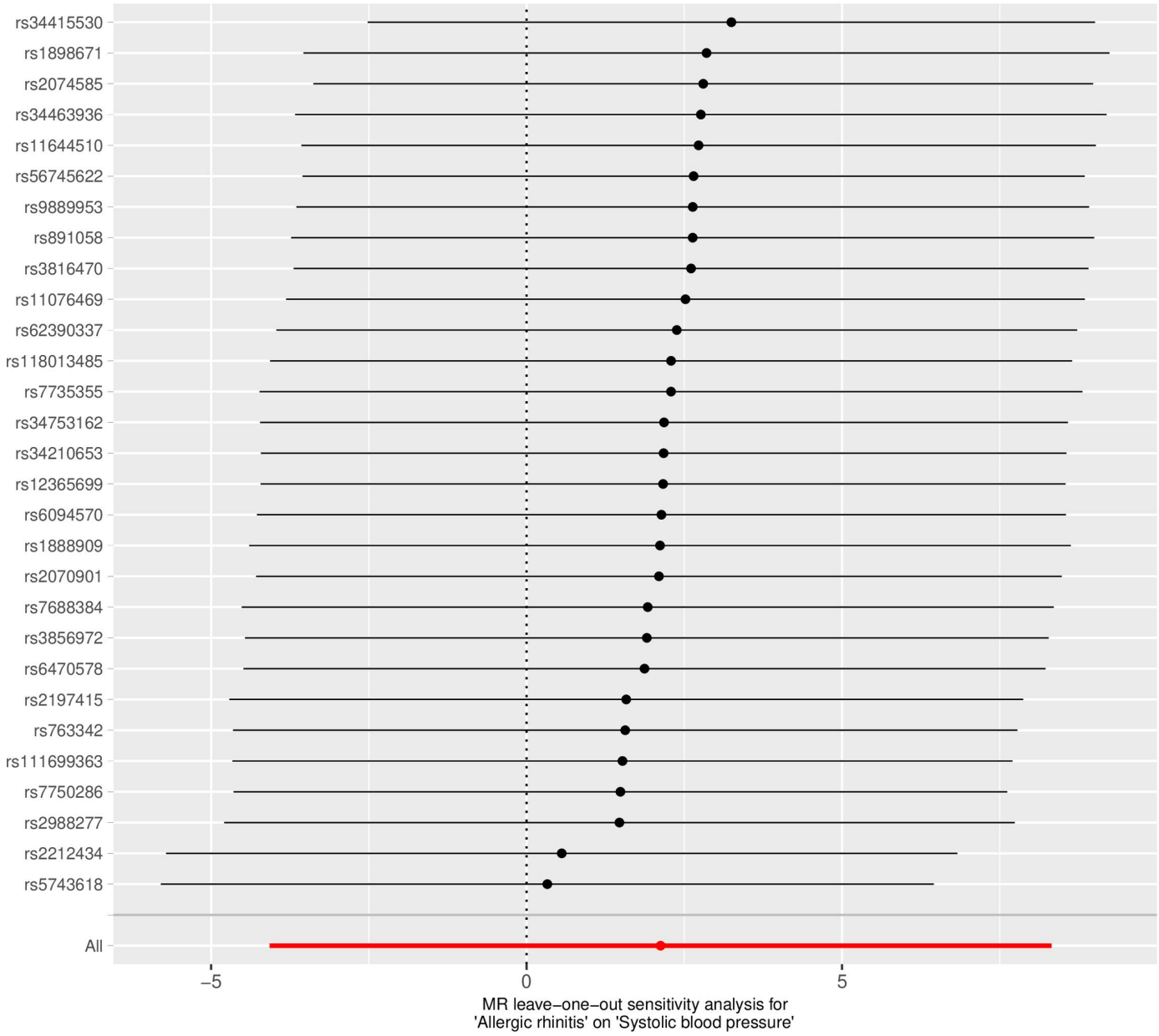
Supplementary Table 1

snp_id	rs_id	chr	position	ref_allele	alt_allele	odd_ratio	ci_lower	ci_upper	p_value	outcome	mr_lown	mr_lowm	mr_lowl	p_ld	outcome
293	rs10488631	1	10603699	T	C	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
294	rs10488710	1	11027256	A	G	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
295	rs10488798	1	11027256	A	G	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
296	rs10488796	1	4403038	A	G	0.939389	-0.063214	0.061622	0.16	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
297	rs10488797	1	4403038	A	G	0.939389	-0.063214	0.061622	0.16	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
44	rs10133255	10	41236403	T	C	0.923082	-0.081062	0.089529	0.003	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
298	rs10489000	1	10603699	T	C	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
299	rs10489001	1	10603699	T	C	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
300	rs10489002	1	10610947	C	G	0.923089	-0.081062	0.089096	0.074	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
301	rs10489003	1	4343117	T	C	0.939389	-0.063214	0.061622	0.16	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
302	rs10489207	1	10612936	C	T	0.873913	-0.08087	0.088718	0.023	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
303	rs10489208	1	10612936	C	T	0.873913	-0.08087	0.088718	0.023	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
304	rs10489209	1	10612936	C	T	0.873913	-0.08087	0.088718	0.023	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
305	rs10489243	1	5184267	A	G	0.112476	-0.091447	0.090542	0.067	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
306	rs10489244	1	10609189	G	T	0.913387	-0.092001	0.089452	0.000027	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
307	rs10489681	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
308	rs10489682	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
309	rs10489683	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
310	rs10489684	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
311	rs10489685	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
312	rs10489686	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
313	rs10489687	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
314	rs10489688	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
315	rs10489689	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
316	rs10489690	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
317	rs10489691	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
318	rs10489692	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
319	rs10489693	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
320	rs10489694	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
321	rs10489695	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
322	rs10489696	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
323	rs10489697	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
324	rs10489698	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
325	rs10489699	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
326	rs10489700	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
327	rs10489701	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
328	rs10489702	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
329	rs10489703	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
330	rs10489704	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
331	rs10489705	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
332	rs10489706	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
333	rs10489707	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
334	rs10489708	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
335	rs10489709	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
336	rs10489710	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
337	rs10489711	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
338	rs10489712	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
339	rs10489713	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
340	rs10489714	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
341	rs10489715	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
342	rs10489716	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
343	rs10489717	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
344	rs10489718	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
345	rs10489719	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
346	rs10489720	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
347	rs10489721	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
348	rs10489722	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
349	rs10489723	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
350	rs10489724	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
351	rs10489725	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
352	rs10489726	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
353	rs10489727	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
354	rs10489728	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
355	rs10489729	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
356	rs10489730	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
357	rs10489731	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
358	rs10489732	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
359	rs10489733	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
360	rs10489734	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
361	rs10489735	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
362	rs10489736	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
363	rs10489737	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
364	rs10489738	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
365	rs10489739	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
366	rs10489740	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
367	rs10489741	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
368	rs10489742	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
369	rs10489743	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
370	rs10489744	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
371	rs10489745	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
372	rs10489746	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
373	rs10489747	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
374	rs10489748	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
375	rs10489749	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
376	rs10489750	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
377	rs10489751	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
378	rs10489752	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
379	rs10489753	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
380	rs10489754	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
381	rs10489755	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
382	rs10489756	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
383	rs10489757	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
384	rs10489758	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
385	rs10489759	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
386	rs10489760	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
387	rs10489761	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
388	rs10489762	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
389	rs10489763	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
390	rs10489764	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
391	rs10489765	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
392	rs10489766	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
393	rs10489767	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
394	rs10489768	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
395	rs10489769	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
396	rs10489770	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
397	rs10489771	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
398	rs10489772	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
399	rs10489773	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
400	rs10489774	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
401	rs10489775	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
402	rs10489776	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
403	rs10489777	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
404	rs10489778	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
405	rs10489779	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
406	rs10489780	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
407	rs10489781	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
408	rs10489782	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
409	rs10489783	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
410	rs10489784	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
411	rs10489785	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
412	rs10489786	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
413	rs10489787	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
414	rs10489788	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
415	rs10489789	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
416	rs10489790	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
417	rs10489791	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
418	rs10489792	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
419	rs10489793	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
420	rs10489794	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
421	rs10489795	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
422	rs10489796	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
423	rs10489797	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
424	rs10489798	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
425	rs10489799	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
426	rs10489800	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
427	rs10489801	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
428	rs10489802	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
429	rs10489803	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
430	rs10489804	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
431	rs10489805	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
432	rs10489806	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
433	rs10489807	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
434	rs10489808	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
435	rs10489809	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
436	rs10489810	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
437	rs10489811	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
438	rs10489812	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
439	rs10489813	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
440	rs10489814	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
441	rs10489815	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
442	rs10489816	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
443	rs10489817	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
444	rs10489818	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
445	rs10489819	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
446	rs10489820	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
447	rs10489821	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
448	rs10489822	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
449	rs10489823	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
450	rs10489824	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
451	rs10489825	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
452	rs10489826	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
453	rs10489827	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
454	rs10489828	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
455	rs10489829	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
456	rs10489830	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
457	rs10489831	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
458	rs10489832	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
459	rs10489833	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
460	rs10489834	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
461	rs10489835	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
462	rs10489836	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
463	rs10489837	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
464	rs10489838	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
465	rs10489839	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
466	rs10489840	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
467	rs10489841	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
468	rs10489842	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
469	rs10489843	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
470	rs10489844	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
471	rs10489845	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
472	rs10489846	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
473	rs10489847	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
474	rs10489848	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
475	rs10489849	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
476	rs10489850	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
477	rs10489851	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
478	rs10489852	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
479	rs10489853	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
480	rs10489854	1	9441107	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
481	rs10489855	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p
482	rs10489856	1	9443042	C	T	0.93089	-0.091397	0.093092	0.13	outcome	TRUE	reported	FHEG1p	reported	FHEG1p

Supplementary Figure 1



Supplementary Figure 2



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