

Supplementary Table 2. Main Mendelian randomization and sensitivity analyses using 54 instrumental variants.

(A) MR effect estimates from the primary IVW model and complementary robust MR models.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	OR	OR_lci95	OR_uci95
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Inverse variance weighted	54	-0.90773214	0.317592919	0.004261023	0.40343813	0.216489278	0.751826263
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	MR Egger	54	-1.16107155	0.430033737	0.009335632	0.313150444	0.134803424	0.727453334
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Weighted median	54	-0.93616812	0.456361653	0.040230605	0.392127546	0.160311423	0.959158175
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Simple mode	54	-1.84638661	0.950527249	0.057399764	0.157806353	0.024491724	1.016786124
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Weighted mode	54	-1.09694727	0.398117268	0.008019169	0.333888801	0.153009217	0.728594877
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Robust adjusted profile score (RAPS)	54	-0.97827936	0.332000226	0.003212651	0.37595743	0.19612564	0.720680829
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	IVW radial	54	-0.90775019	0.30163187	0.002617093	0.403430847	0.22336487	0.728657321
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Penalised weighted median	54	-0.94349056	0.456229218	0.038638264	0.389266704	0.159183155	0.951913329

(B) Cochran heterogeneity tests for SNP-specific MR estimates.

id.exposure	id.outcome	outcome	exposure	method	Q	Q_df	Q_pval
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	MR Egger	47	52	0.668647864
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	Inverse variance weighted	47.8	53	0.675907071

(C) MR-Egger intercept test for directional horizontal pleiotropy.

id.exposure	id.outcome	outcome	exposure	egger_intercept	se	pval
ebi-a-GCST90029034	ebi-a-GCST90027266	Thoracic aortic aneurysms id:ebi-a-GCST90027266	Sunburn susceptibility	0.008723286	0.01	0.386259658

(D) Steiger directionality test evaluating the assumed exposure-to-outcome direction.

id.exposure	id.outcome	exposure	outcome	snp_r2.exposure	snp_i	correct_causa	steiger_pval
ebi-a-GCST90029034	ebi-a-GCST90027266	Sunburn susceptibility	Thoracic aortic aneurysms	0.02515099	0	TRUE	8.32072E-48

(E) MR-PRESSO global and outlier test results for pleiotropy detection.

test	result_type	beta	se	t_statistic	p_val	RSSobs
MR-PRESSO main MF Raw		-0.9077321		0.30164	-3.009323	0
MR-PRESSO main MF Outlier-corrected						
MR-PRESSO global te: Global test					0.7	49.31114301

(F) Leave-one-out MR sensitivity results assessing single-SNP influence.

exposure	outcome	id.exposure	id.outcome	samplesize	SNP	b	se	p	OR	OR_lci95	OR_uci95
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs10962612	-0.96514192	0.319055445	0.002486352	0.380929134	0.203825591	0.711917497
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11070811	-0.89968996	0.318015992	0.004668328	0.406695734	0.218056451	0.758525691
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11104733	-0.91985173	0.318010034	0.003821597	0.398578135	0.213706565	0.743376925
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs111391498	-0.8818541	0.318637946	0.005647522	0.414014574	0.221710129	0.773117894
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11198112	-0.88353694	0.31896864	0.005605964	0.413318442	0.221193925	0.772318381
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs112089506	-0.94194624	0.319735069	0.003218905	0.38986832	0.20833103	0.729595139
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11242899	-0.89548458	0.318640314	0.004949066	0.408409644	0.218707601	0.76265496
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11264244	-0.90693274	0.317880755	0.00433005	0.403760766	0.216540211	0.752852118
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1126809	-0.78284027	0.333994113	0.019084595	0.457105863	0.237528247	0.879667041
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs116125333	-0.88781905	0.318124753	0.005257974	0.411552349	0.22061337	0.767747378
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11648436	-0.9327933	0.319072192	0.003461699	0.393453143	0.210519963	0.735347724
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs117132860	-0.92761231	0.318394141	0.003575062	0.395496907	0.211894911	0.738185746
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs11739906	-0.93984637	0.317989321	0.003120706	0.390687851	0.209484518	0.728631397
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs117462393	-0.8788755	0.318322736	0.00576322	0.415249596	0.222508925	0.774945217
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs12203592	-1.0623537	0.370228699	0.00411183	0.345641316	0.167294098	0.714119152
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs12350739	-1.00005021	0.320593746	0.001812388	0.36786097	0.196240574	0.689570411
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1267037	-0.94205982	0.317995556	0.003051581	0.38982404	0.209018793	0.727029276
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1278766	-0.93800741	0.318633824	0.003241662	0.391406974	0.209605161	0.730895261
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs12913832	-0.80945655	0.323848649	0.012437211	0.44509989	0.235934772	0.839697812
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1308048	-0.92814865	0.31867462	0.003585164	0.395284844	0.211664902	0.73819564
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs13332673	-0.91523179	0.31814474	0.004017581	0.400423801	0.214639483	0.747016429
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1338549	-0.89598756	0.318111485	0.004853743	0.408204275	0.218824319	0.761481772
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs139414522	-0.89391105	0.318209049	0.004966566	0.409052796	0.219237254	0.763210571
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs141817469	-0.87686593	0.320673981	0.00624852	0.416084911	0.221931406	0.780090825
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs142314514	-0.89591656	0.318515651	0.004911423	0.408233256	0.218666567	0.762139335
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1437635	-0.93241792	0.318149797	0.003381434	0.393600863	0.210980087	0.734295078
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs150527451	-0.92466428	0.318470048	0.003690669	0.396664564	0.21248889	0.74047531
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1548714	-0.89066446	0.317967778	0.005092629	0.410382978	0.22005422	0.76533042
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1584885	-0.91946559	0.317935839	0.003828166	0.398732072	0.213820194	0.743555892
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs17232484	-0.90256234	0.318016221	0.004538274	0.405529223	0.21743091	0.756350376
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1805007	-0.89606605	0.352296645	0.010974847	0.408172233	0.204626794	0.814187472
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs1805008	-0.856978	0.330126539	0.009434142	0.424442811	0.22223364	0.810641001
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs2737217	-0.91665231	0.319338107	0.004098546	0.399855396	0.213834057	0.747702866
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs3213737	-0.9226964	0.320466456	0.003986484	0.397445922	0.212075984	0.744842759
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs4578351	-0.90920282	0.318354026	0.004290842	0.402845238	0.215848888	0.751842119
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs4670813	-0.89391317	0.318058839	0.004946033	0.409051926	0.219301343	0.762984281
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs511515	-0.87952907	0.318498576	0.005753914	0.414978289	0.222286923	0.774705853
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs56360320	-0.91322235	0.318031919	0.004085544	0.401229239	0.215118787	0.748353525
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs6007506	-0.89546322	0.319049176	0.005005772	0.408418366	0.218537073	0.763282675
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs6059655	-0.88678452	0.330394975	0.00727442	0.411978333	0.215593913	0.787249252
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs62423175	-0.90737417	0.318045136	0.004331231	0.403582574	0.21637492	0.752762352
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs6689641	-0.90128032	0.318122644	0.004609576	0.406049455	0.217664434	0.757478645
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs6882046	-0.88968813	0.317999587	0.005145753	0.410783843	0.220255438	0.766125764
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs7034354	-0.89360655	0.318156185	0.004974136	0.409177369	0.219326745	0.7633639
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs7428430	-0.89106717	0.318005214	0.005077868	0.410217746	0.219949481	0.765078411
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs75300484	-0.91948869	0.3179298	0.003826611	0.398722859	0.213817785	0.74352991
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs75459010	-0.90825025	0.317975451	0.004285379	0.403229158	0.216214971	0.752000444
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs7768317	-0.91956442	0.318158666	0.003849112	0.398692664	0.213705707	0.743807184
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs7794036	-0.89158004	0.318158581	0.005073757	0.410007414	0.219770633	0.764916029
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs849138	-0.92212053	0.318153578	0.003751313	0.397674865	0.213162277	0.741900964
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs9328259	-0.93610913	0.318923818	0.003333195	0.392150678	0.209884098	0.732700361
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs9818780	-0.88607121	0.318145771	0.005350944	0.412272307	0.2209902	0.769122135
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs9858244	-0.90636506	0.318161438	0.00438902	0.403990038	0.216544009	0.753694141
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 rs9926609	-0.9225127	0.317990166	0.003718872	0.39751894	0.213146955	0.74137258
Sunburn susceptibility	Thoracic aortic aneurysms	id:ebi-a-GCST90027266	ebi-a-GCST90029034	ebi-a-GCST90027266	19646 All	-0.90773214	0.317592919	0.004261023	0.40343813	0.216489278	0.751826263

(G) Single-SNP Wald-ratio MR estimates.

exposure	outcome	id.exposur	id.outcome	samplesize	SNP	b	se	p	OR	OR_lci95	OR_uci95
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs10962612	5.311319	3.320743	0.109724	202.6174	0.301997	135940.9		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11070811	-3.924274	6.159093	0.524026	0.019756	1.13E-07	3454.897		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11104733	3.703183	6.202837	0.550498	40.57627	0.000213	7730968		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11139149	-4.833553	3.924615	0.218099	0.007958	3.63E-06	17.43872		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11198112	-3.694494	3.423208	0.280477	0.02486	3.03E-05	20.38897		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11208950	1.620016	2.74824	0.555543	5.053171	0.023132	1103.857		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11242899	-2.761537	3.920198	0.48116	0.063195	2.91E-05	137.284		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11264244	-1.348552	7.464724	0.856637	0.259616	1.15E-07	586722.7		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1126809	-2.086499	1.026091	0.042008	0.124121	0.016612	0.927408		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11612533	-6.848456	5.494749	0.212631	0.001061	2.23E-08	50.46361		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11648430	1.776272	3.302022	0.590622	5.907791	0.009135	3820.877		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11713280	3.027412	4.479559	0.49915	20.64373	0.003175	134235		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11739900	11.94901	6.362522	0.060377	154664.6	0.593613	4.03E+10		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs11746239	-7.179265	4.692796	0.126054	0.000762	7.72E-08	7.527893		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs12203592	-0.476953	0.617963	0.440224	0.620672	0.184859	2.083928		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs12350739	3.954543	2.326652	0.089193	52.17187	0.545695	4987.957		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1267037	12.62221	6.313159	0.045571	303218.5	1.281995	7.17E+10		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1278766	3.703387	3.93234	0.346307	40.58452	0.018243	90289.14		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs12913832	-3.378046	1.623661	0.037479	0.034114	0.001415	0.822283		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1308048	2.084367	3.857844	0.588995	8.039501	0.004182	15455.83		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs13332673	1.248554	5.394576	0.816968	3.4853	8.92E-05	136205.9		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1338549	-4.501245	5.564424	0.418554	0.011095	2.04E-07	604.8773		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs13941452	-4.466414	5.106061	0.381722	0.011488	5.17E-07	255.0513		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs14181740	-2.490882	2.296588	0.278098	0.082837	0.000919	7.466532		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs14231451	-2.938169	4.1754	0.481629	0.052963	1.48E-05	189.7326		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1437635	6.125363	5.370088	0.254018	457.3106	0.012277	17034235		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs15052745	2.153456	4.282108	0.615037	8.614576	0.001951	38039.74		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1548714	-8.133603	6.54246	0.213793	0.000294	7.92E-10	108.8116		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1584885	4.522751	6.839838	0.508461	92.08857	0.000139	61149586		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs17232484	-2.845822	6.157432	0.643955	0.058087	3.33E-07	10124.82		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1805007	-0.958348	0.73382	0.191562	0.383526	0.091024	1.615977		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs1805008	-1.538326	1.163642	0.186171	0.21474	0.021948	2.101		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs2737217	-0.098301	3.041965	0.974221	0.906376	0.002333	352.1122		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs3213737	-0.084506	2.376919	0.971639	0.918966	0.00871	96.95578		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs4578351	-0.601259	4.595658	0.895908	0.548121	6.71E-05	4474.86		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs4670813	-5.614103	5.869658	0.338839	0.003646	3.68E-08	361.5598		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs511515	-5.845769	4.214407	0.165414	0.002892	7.48E-07	11.18384		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs56360320	1.076832	6.046565	0.858652	2.935365	2.09E-05	411720.4		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs6007506	-2.242526	3.327835	0.500394	0.10619	0.000156	72.24257		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs6059655	-1.162433	1.152075	0.312979	0.312725	0.032696	2.991083		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs62423175	-1.033343	5.957735	0.862301	0.355815	3.02E-06	41932.57		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs6689641	-2.840191	5.505651	0.605946	0.058414	1.2E-06	2838.082		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs6882046	-7.949068	6.281851	0.205727	0.000353	1.59E-09	78.5205		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs7034354	-4.886495	5.339631	0.36012	0.007548	2.15E-07	264.8545		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs7428430	-7.322114	6.238921	0.240548	0.000661	3.23E-09	135.121		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs75300484	4.63105	6.900782	0.502163	102.6218	0.000137	76789866		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs75459010	-0.692783	6.476632	0.914816	0.500182	1.53E-06	162985.4		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs7768317	2.410451	5.327943	0.650969	11.13898	0.000325	382016.4		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs7794036	-5.438021	5.328342	0.307452	0.004348	1.27E-07	149.2361		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs849138	3.163922	5.352	0.554409	23.66322	0.000658	850723.2		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs9328259	2.470993	3.480007	0.477671	11.83419	0.012909	10848.77		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs9818780	-7.124018	5.389558	0.186229	0.000806	2.08E-08	31.17184		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs9858244	-1.289236	5.314973	0.808341	0.275481	8.24E-06	9210.612		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	rs9926609	4.996989	6.355766	0.431742	147.967	0.000575	38045405		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	All - Invers	-0.907732	0.317593	0.004261	0.403438	0.216489	0.751826		
Sunburn su Thoracic ar	ebi-a-GCS° ebi-a-GCS°	19646	All - MR E	-1.161072	0.430034	0.009336	0.31315	0.134803	0.727453		