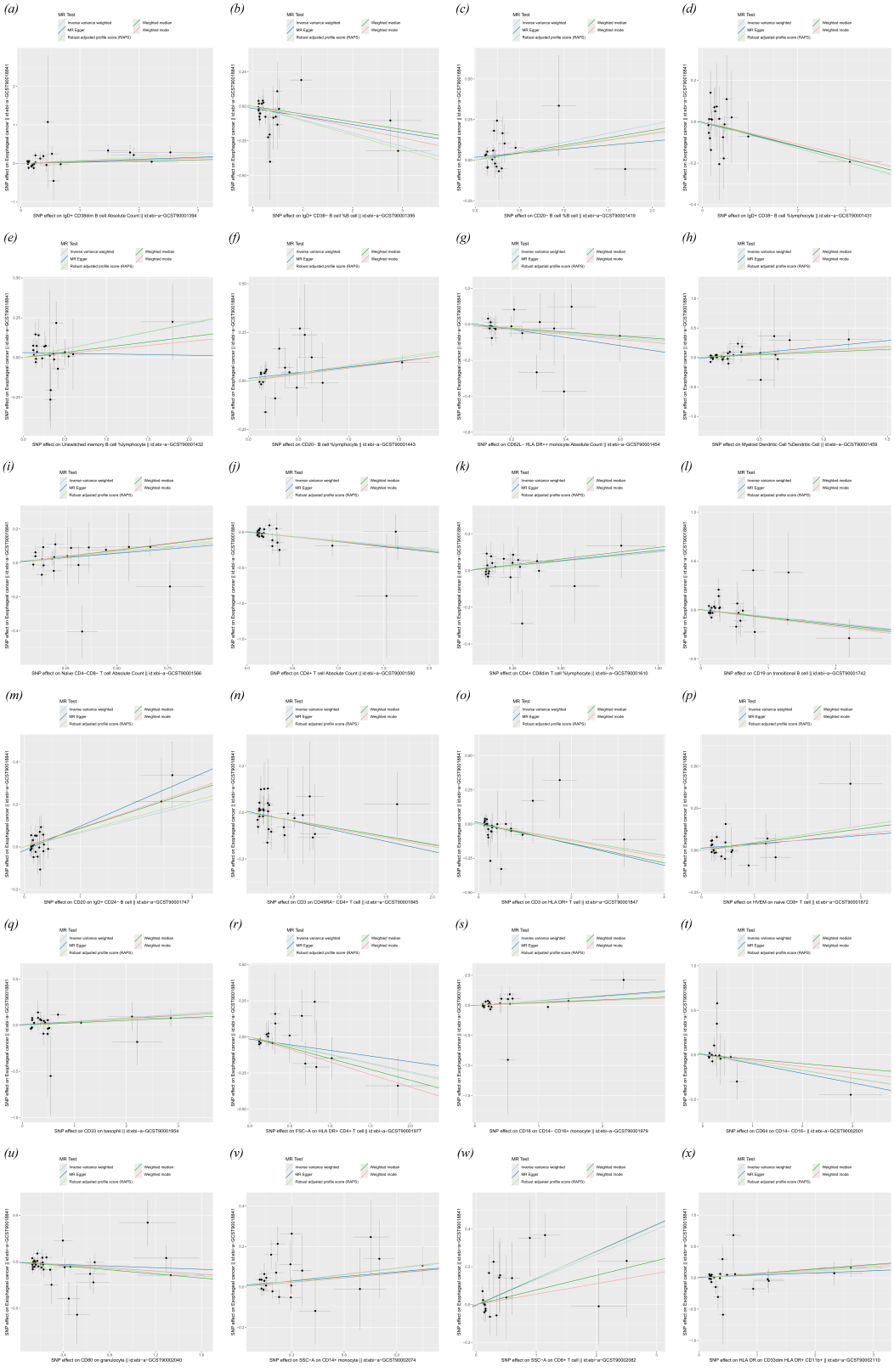
Supplementary Material

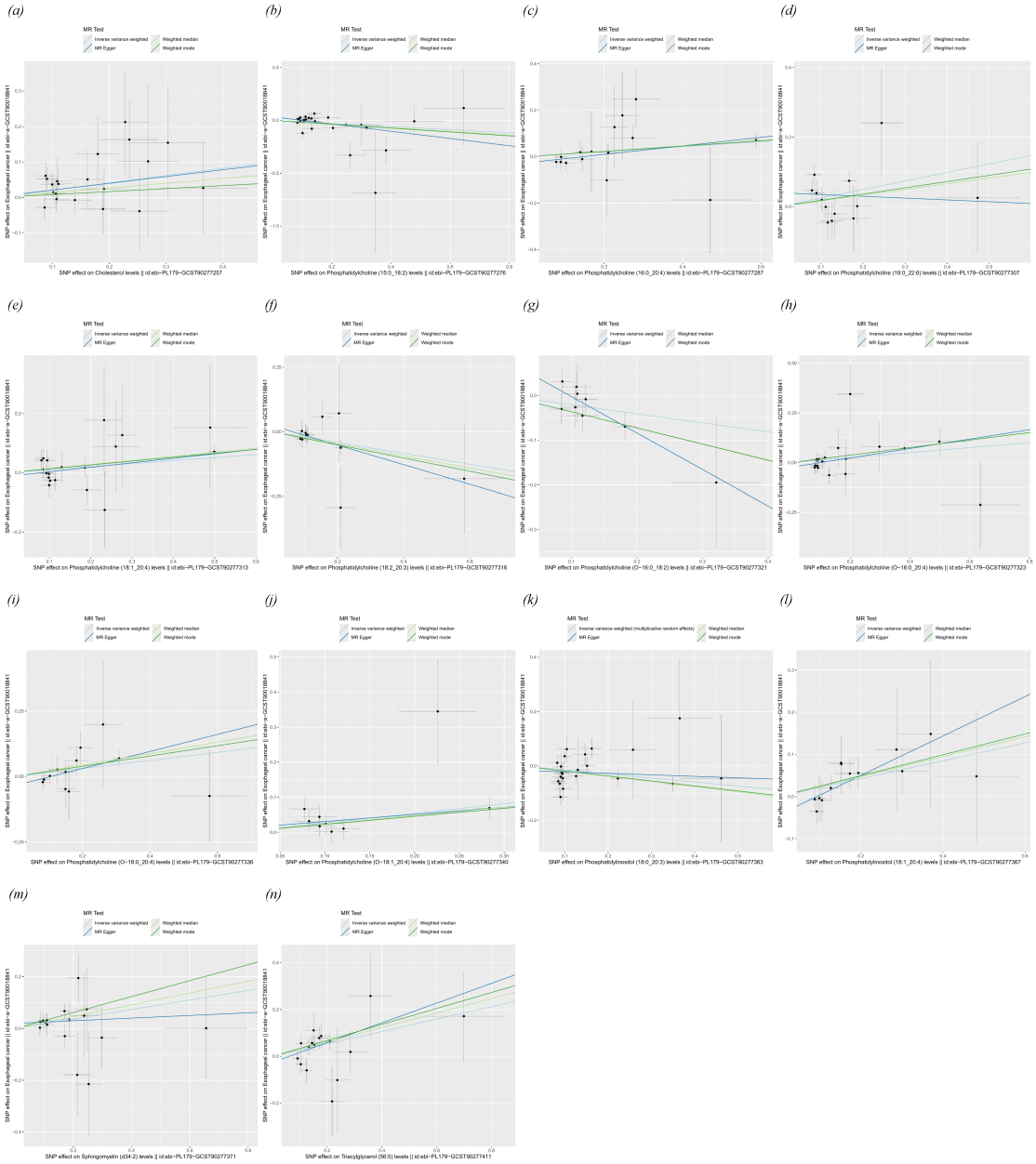
Supplementary Figure S1-S4: Scatter plot of the Mendelian analysis.

Supplementary Figure S5-S8: Funnel plot of Mendelian analysis.

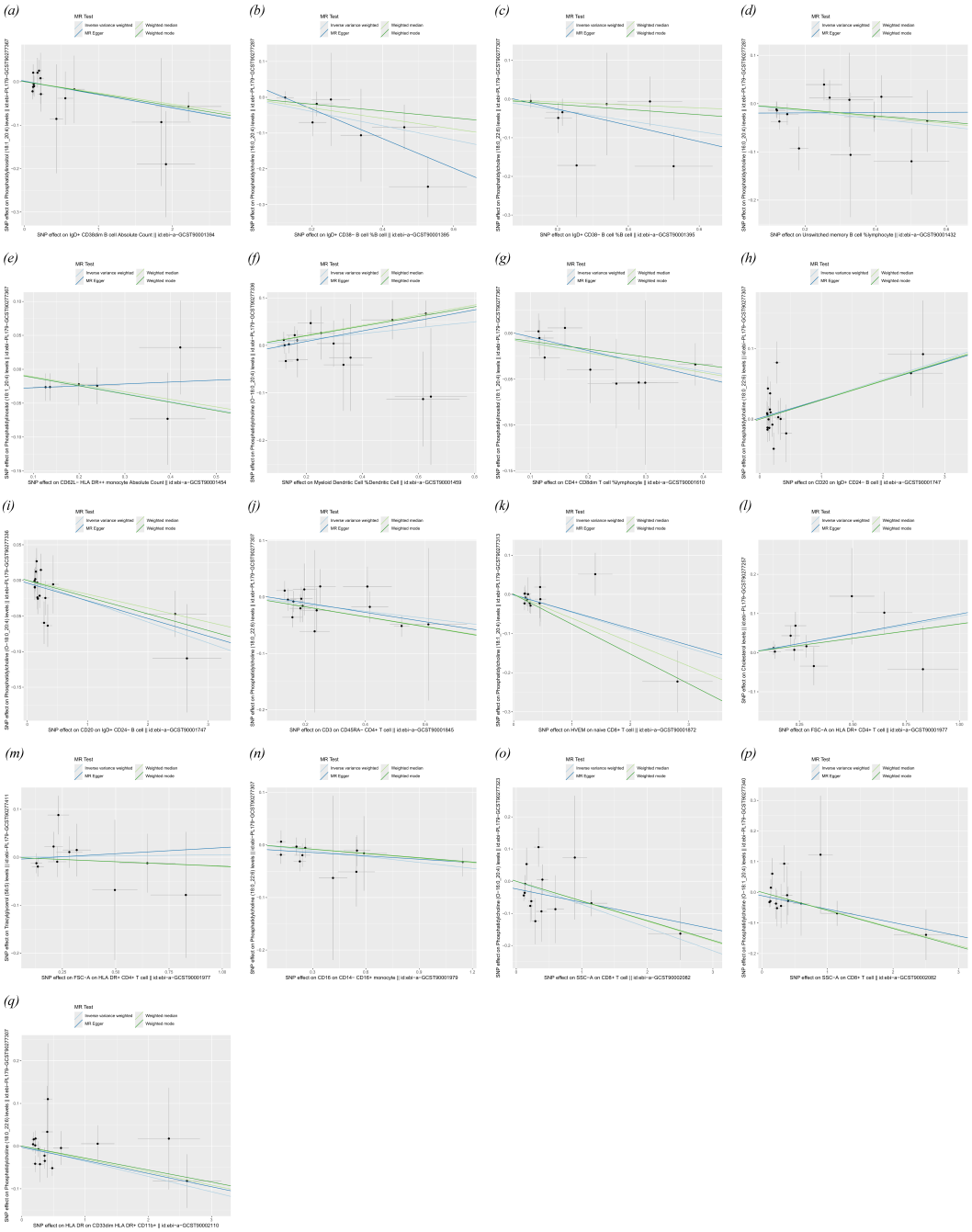
Supplementary Figure S9-S12: Leave-one-out plot of the Mendelian analysis.



Supplementary Figure S1: Scatter plot of Mendelian analysis of the association between immune cell phenotypes and esophageal cancer. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) SNP effect on CD20- B cell %B cell. (d) IgD+ CD38- B cell %lymphocyte. (e) Unswitched memory B cell %lymphocyte. (f) CD20- B cell %lymphocyte. (g) CD62L- HLA DR++ monocyte Absolute Count. (h) Myeloid Dendritic Cell %Dendritic Cell. (i) Naive CD4-CD8- T cell Absolute Count. (j) CD4+ T cell Absolute Count. (k) CD4+ CD8dim T cell %lymphocyte. (l) CD19 on transitional B cell. (m) CD20 on IgD+ CD24- B cell. (n) CD3 on CD45RA- CD4+ T cell. (o) CD3 on HLA DR+ T cell. (p) HVEM on naive CD8+ T cell. (q) CD33 on basophil. (r) FSC-A on HLA DR+ CD4+ T cell. (s) CD16 on CD14- CD16+ monocyte. (t) CD64 on CD14-CD16-. (u) CD80 on granulocyte. (v) SSC-A on CD14+ monocyte. (w) SSC-A on CD8+ T cell. (x) HLA DR onCD33dim HLA DR+ CD11b+.

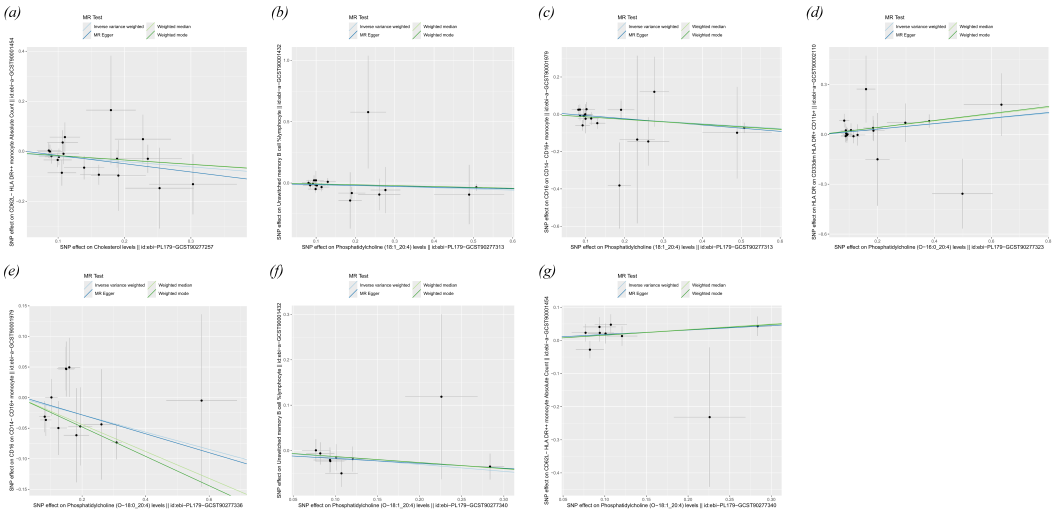


Supplementary Figure S2: Scatter plot of Mendelian analysis of the association between lipids and esophageal cancer. (a) Cholesterol levels. (b) Phosphatidylcholine (15:0_18:2) levels. (c) Phosphatidylcholine (16:0_20:4) levels. (d) Phosphatidylcholine (18:0_22:6) levels. (e) Phosphatidylcholine (18:1_20:4) levels. (f) Phosphatidylcholine (18:2_20:3) levels. (g) Phosphatidylcholine (O-16:0_18:2) levels. (h) Phosphatidylcholine (O-16:0_20:4) levels. (i) Phosphatidylcholine (O-18:0_20:4) levels. (j) Phosphatidylcholine (O-18:1_20:4) levels. (k) Phosphatidylinositol (18:0_20:3) levels. (l) Phosphatidylinositol (18:1_20:4) levels. (m) Sphingomyelin (d34:2) levels. (n) Triacylglycerol (56:5) levels.

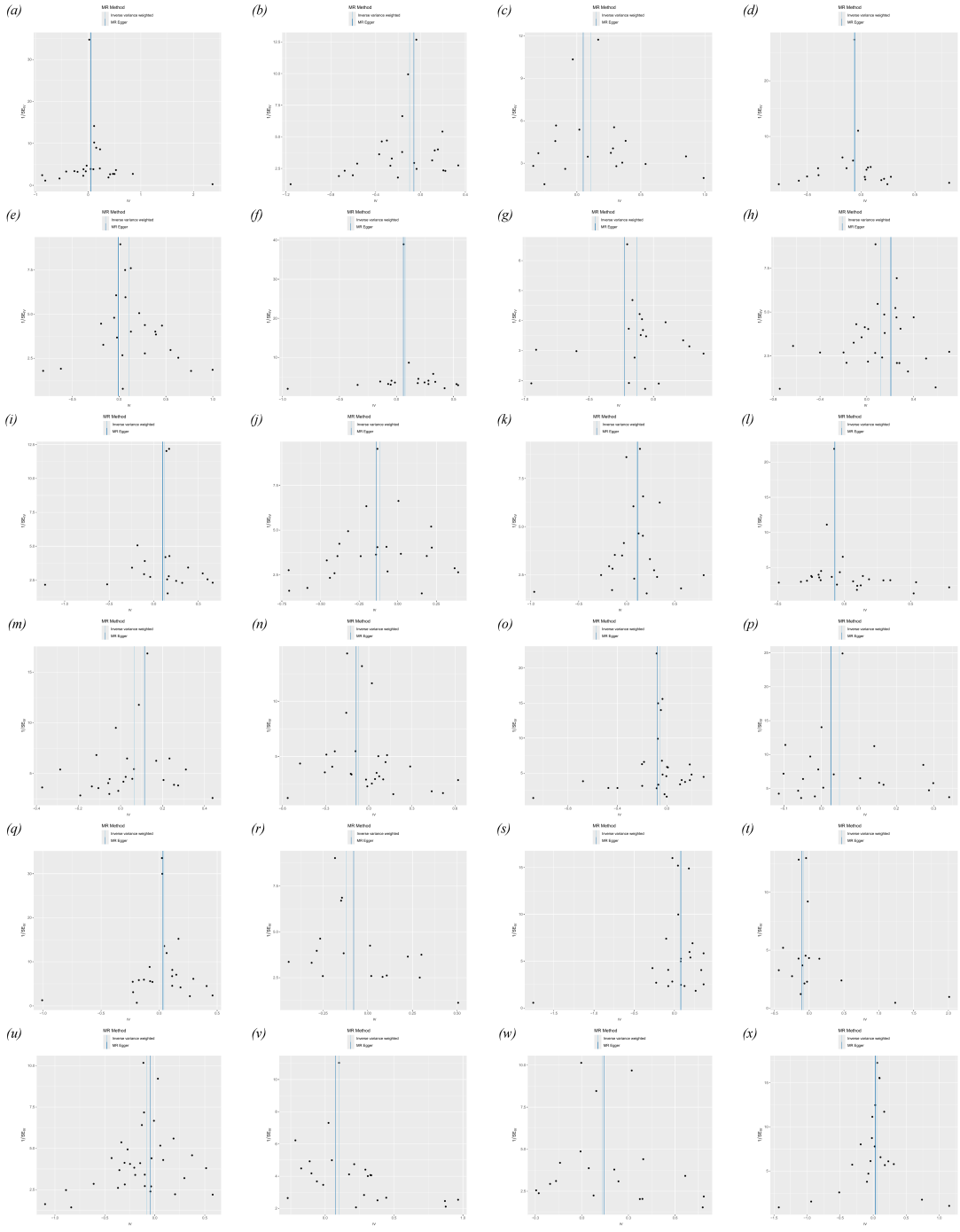


Supplementary Figure S3: Scatter plot of Mendelian analysis of the association between immune cell phenotypes and lipids. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) IgD+ CD38- B cell %B cell. (d) Unswitched memory B cell %lymphocyte. (e) CD62L- HLA DR++ monocyte Absolute Count. (f) Myeloid Dendritic Cell %Dendritic Cell. (g) CD4+ CD8dim T cell %lymphocyte. (h) CD20 on IgD+ CD24- B cell. (i) CD20 on IgD+ CD24- B cell. (j) CD3 on CD45RA- CD4+ T cell. (k) HVEM on naive CD8+ T cell. (l) FSC-A on HLA DR+ CD4+ T

cell. (m) FSC-A on HLA DR+ CD4+ T cell. (n) CD16 on CD14- CD16+ monocyte. (o) SSC-A on CD8+ T cell. (p) SSC-A on CD8+ T cell. (q) HLA DR on CD33dim HLA DR+ CD11b+.

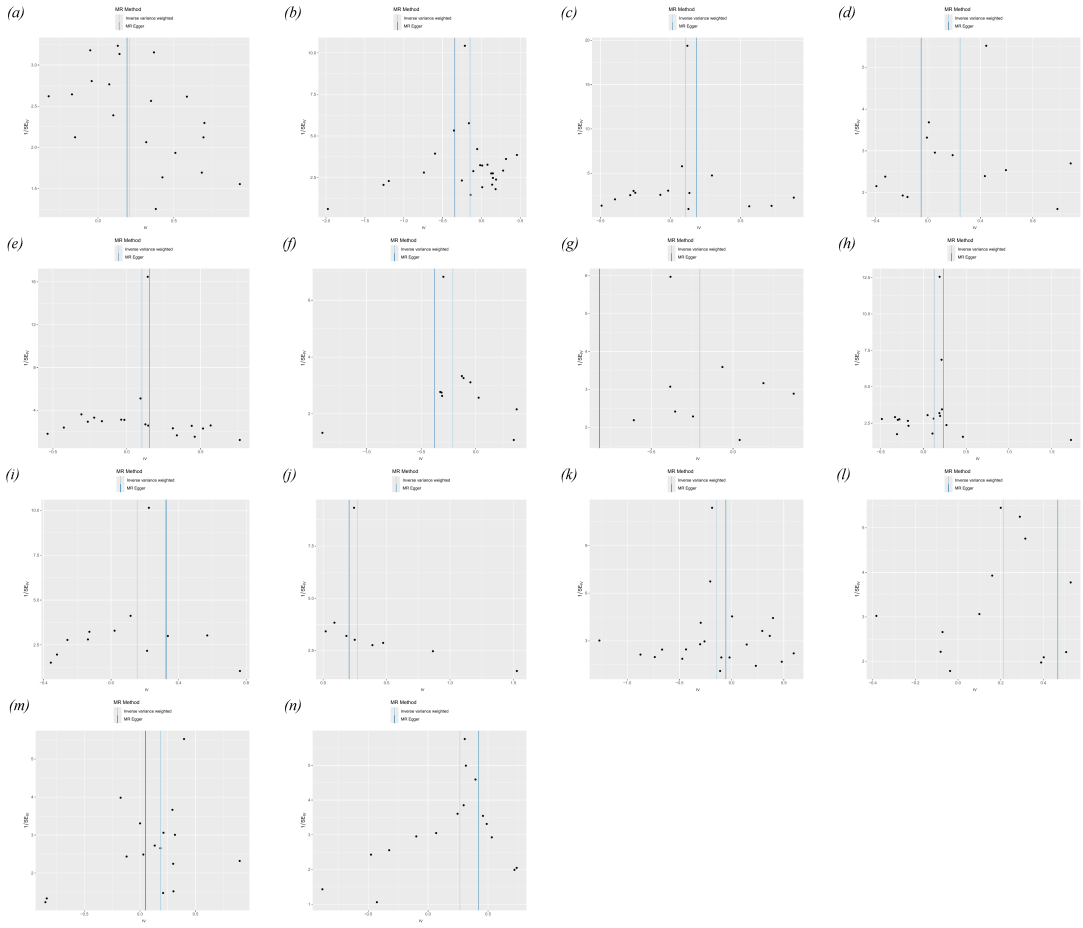


Supplementary Figure S4: Scatter plot of Mendelian analysis of the association between lipids and immune cell phenotypes. (a) Cholesterol levels. (b) Phosphatidylcholine (18:1_20:4) levels. (c) Phosphatidylcholine (18:1_20:4) levels. (d) Phosphatidylcholine (O-16:0_20:4) levels. (e) Phosphatidylcholine (O-18:0_20:4) levels. (f) Phosphatidylcholine(O-18:1_20:4) levels. (g) Phosphatidylcholine (O-18:1_20:4) levels.



Supplementary Figure S5: Funnel plot of Mendelian analysis of the association between immune cell phenotypes and esophageal cancer. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) SNP effect on CD20- B cell %B cell. (d) IgD+ CD38- B cell %lymphocyte. (e) Unswitched memory B cell %lymphocyte. (f) CD20- B cell %lymphocyte. (g) CD62L- HLA DR++ monocyte Absolute Count. (h) Myeloid Dendritic Cell %Dendritic Cell. (i) Naive CD4-CD8- T cell Absolute Count. (j) CD4+ T cell Absolute Count. (k) CD4+ CD8dim T cell %lymphocyte. (l) CD19 on transitional B cell. (m) CD20 on IgD+ CD24- B cell. (n) CD3 on CD45RA- CD4+ T cell.

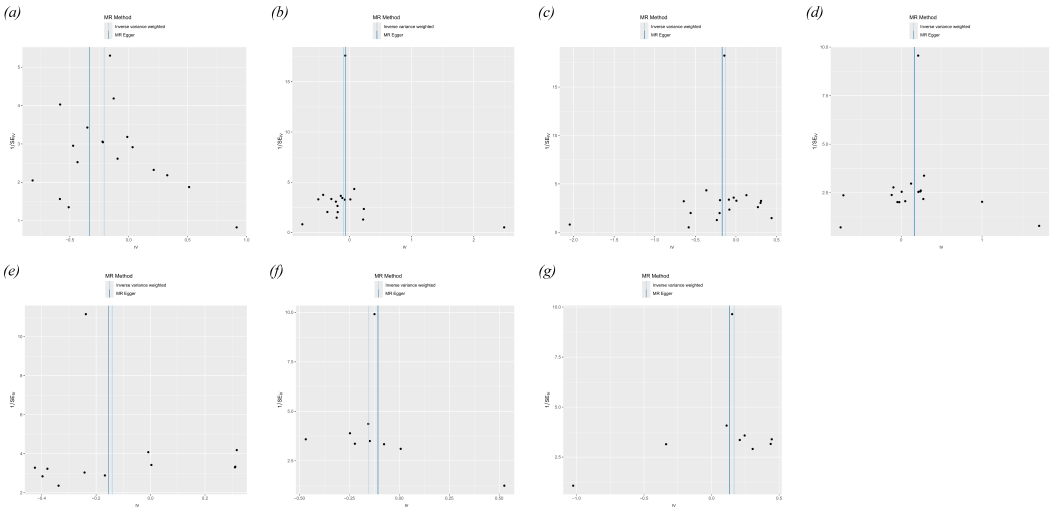
(o) CD3 on HLA DR+ T cell. (p) HVEM on naive CD8+ T cell. (q) CD33 on basophil. (r) FSC-A on HLA DR+ CD4+ T cell. (s) CD16 on CD14- CD16+ monocyte. (t) CD64 on CD14-CD16-. (u) CD80 on granulocyte. (v) SSC-A on CD14+ monocyte. (w) SSC-A on CD8+ T cell. (x) HLA DR onCD33dim HLA DR+ CD11b+.



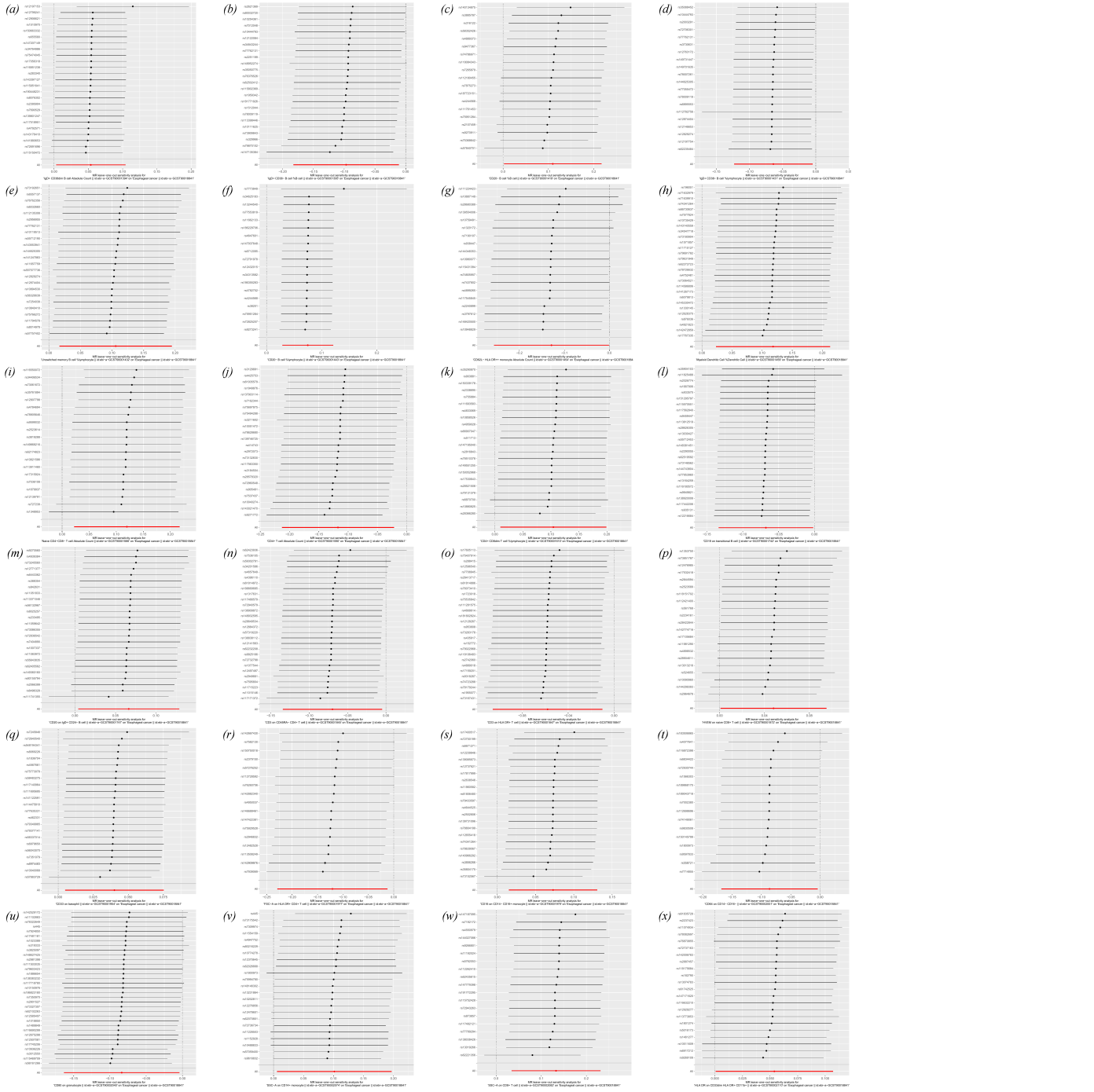
Supplementary Figure S6: Funnel plot of Mendelian analysis of the association between lipids and esophageal cancer. (a) Cholesterol levels. (b) Phosphatidylcholine (15:0_18:2) levels. (c) Phosphatidylcholine (16:0_20:4) levels. (d) Phosphatidylcholine (18:0_22:6) levels. (e) Phosphatidylcholine (18:1_20:4) levels. (f) Phosphatidylcholine (18:2_20:3) levels. (g) Phosphatidylcholine (O-16:0_18:2) levels. (h) Phosphatidylcholine (O-16:0_20:4) levels. (i) Phosphatidylcholine (O-18:0_20:4) levels. (j) Phosphatidylcholine (O-18:1_20:4) levels. (k) Phosphatidylinositol (18:0_20:3) levels. (l) Phosphatidylinositol (18:1_20:4) levels. (m) Sphingomyelin (d34:2) levels. (n) Triacylglycerol (56:5) levels.

Supplementary Figure S7: Funnel plot of Mendelian analysis of the association between immune cell phenotypes and lipids. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) IgD+ CD38- B cell %B cell. (d) Unswitched memory B cell %lymphocyte. (e) CD62L- HLA DR++ monocyte Absolute Count. (f) Myeloid Dendritic Cell %Dendritic Cell. (g) CD4+ CD8dim T cell %lymphocyte. (h) CD20 on IgD+ CD24- B cell. (i) CD20 on IgD+ CD24- B cell. (j) CD3 on CD45RA-CD4+ T cell. (k) HVEM on naive CD8+ T cell. (l) FSC-A on HLA DR+ CD4+ T cell. (m)

FSC-A on HLA DR+ CD4+ T cell. (n) CD16 on CD14- CD16+ monocyte. (o) SSC-A on CD8+ T cell. (p) SSC-A on CD8+ T cell. (q) HLA DR on CD33dim HLA DR+ CD11b+.

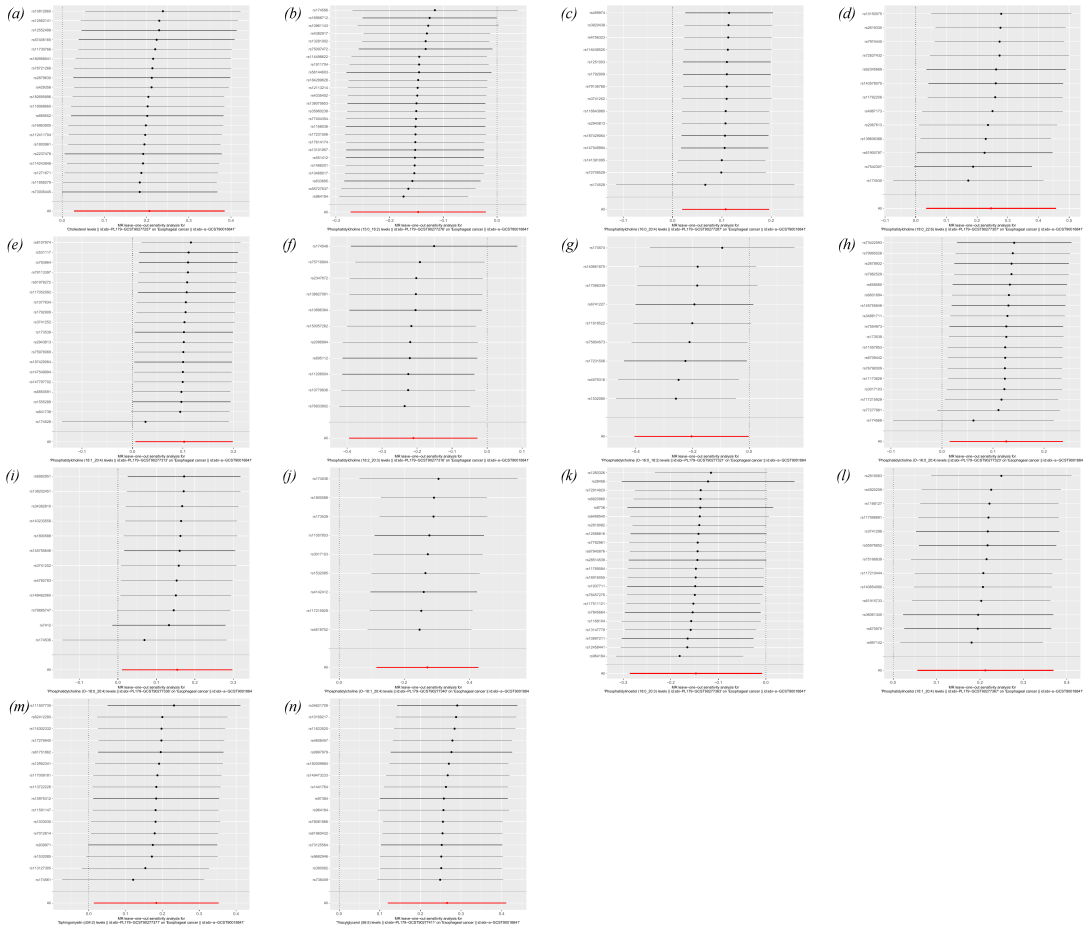


Supplementary Figure S8: Funnel plot of Mendelian analysis of the association between lipids and immune cell phenotypes. (a) Cholesterol levels. (b) Phosphatidylcholine (18:1_20:4) levels. (c) Phosphatidylcholine (18:1_20:4) levels. (d) Phosphatidylcholine (O-16:0_20:4) levels. (e) Phosphatidylcholine (O-18:0_20:4) levels. (f) Phosphatidylcholine(O-18:1_20:4) levels. (g) Phosphatidylcholine (O-18:1_20:4) levels.



Supplementary Figure S9: Leave-one-out plot of Mendelian analysis of the association between immune cell phenotypes and esophageal cancer. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) SNP effect on CD20- B cell %B cell. (d) IgD+ CD38- B cell %lymphocyte. (e) Unswitched memory B cell %lymphocyte. (f) CD20- B cell %lymphocyte. (g) CD62L- HLA DR++ monocyte Absolute Count. (h) Myeloid Dendritic Cell %Dendritic Cell. (i) Naive CD4-CD8- T cell Absolute Count. (j) CD4+ T cell Absolute Count. (k) CD4+ CD8dim T cell %lymphocyte. (l) CD19 on transitional B cell. (m) CD20 on IgD+ CD24- B cell. (n) CD3 on

CD45RA- CD4+ T cell. (o) CD3 on HLA DR+ T cell. (p) HVEM on naive CD8+ T cell. (q) CD33 on basophil. (r) FSC-A on HLA DR+ CD4+ T cell. (s) CD16 on CD14- CD16+ monocyte. (t) CD64 on CD14-CD16-. (u) CD80 on granulocyte. (v) SSC-A on CD14+ monocyte. (w) SSC-A on CD8+ T cell. (x) HLA DR onCD33dim HLA DR+ CD11b+.

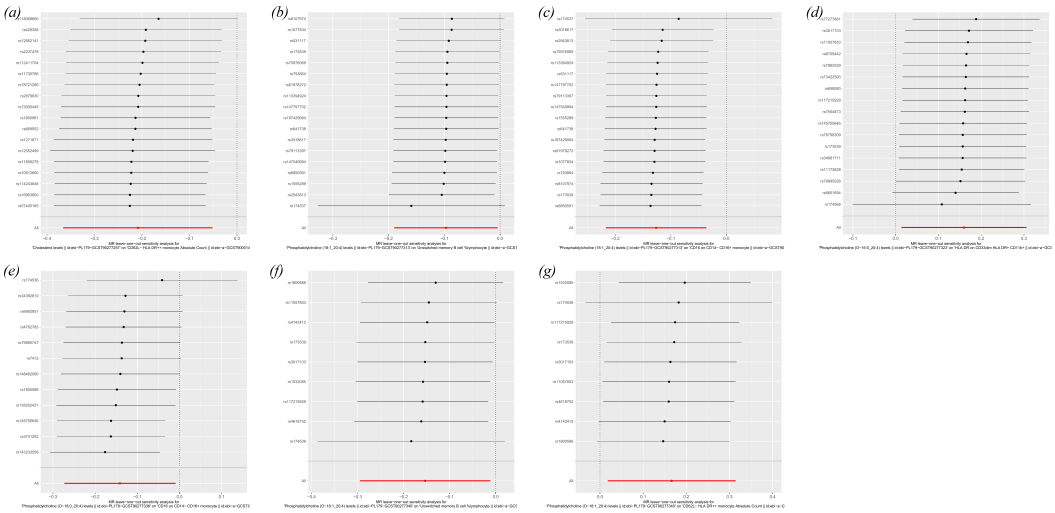


Supplementary Figure S10: Leave-one-out plot of Mendelian analysis of the association between lipids and esophageal cancer. (a) Cholesterol levels. (b) Phosphatidylcholine (15:0_18:2) levels. (c) Phosphatidylcholine (16:0_20:4) levels. (d) Phosphatidylcholine (18:0_22:6) levels. (e) Phosphatidylcholine (18:1_20:4) levels. (f) Phosphatidylcholine (18:2_20:3) levels. (g) Phosphatidylcholine (O-16:0_18:2) levels. (h) Phosphatidylcholine (O-16:0_20:4) levels. (i) Phosphatidylcholine (O-18:0_20:4) levels. (j) Phosphatidylcholine (O-18:1_20:4) levels. (k) Phosphatidylinositol (18:0_20:3) levels. (l) Phosphatidylinositol (18:1_20:4) levels. (m)

Sphingomyelin (d34:2) levels. (n) Triacylglycerol (56:5) levels.

Supplementary Figure S11: Leave-one-out plot of Mendelian analysis of the association between immune cell phenotypes and lipids. (a) IgD+ CD38dim B cell Absolute Count. (b) IgD+ CD38- B cell %B cell. (c) IgD+ CD38- B cell %B cell. (d) Unswitched memory B cell %lymphocyte. (e) CD62L- HLA DR++ monocyte Absolute Count. (f) Myeloid Dendritic Cell %Dendritic Cell. (g) CD4+ CD8dim T cell %lymphocyte. (h) CD20 on IgD+ CD24-B cell. (i) CD20 on IgD+ CD24- B

cell. (j) CD3 on CD45RA-CD4+ T cell. (k) HVEM on naive CD8+ T cell. (l) FSC-A on HLA DR+ CD4+ T cell. (m) FSC-A on HLA DR+ CD4+ T cell. (n) CD16 on CD14- CD16+ monocyte. (o) SSC-A on CD8+ T cell. (p) SSC-A on CD8+ T cell. (q) HLA DR on CD33dim HLA DR+ CD11b+.



Supplementary Figure S12: Leave-one-out plot of Mendelian analysis of the association between lipids and immune cell phenotypes. (a) Cholesterol levels. (b) Phosphatidylcholine (18:1_20:4) levels. (c) Phosphatidylcholine (18:1_20:4) levels. (d) Phosphatidylcholine (O-16:0_20:4) levels. (e) Phosphatidylcholine (O-18:0_20:4) levels. (f) Phosphatidylcholine(O-18:1_20:4) levels. (g) Phosphatidylcholine (O-18:1_20:4) levels.

Supplementary Table 1: MR Estimates of the causal effect of immune cell phenotypes on esophageal cancer.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-a-GCST90001394	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Inverse variance weighted	25	0.053557	0.025838	0.038194	0.002914	0.1042	1.055017	1.002918	1.109822	0.048059
ebi-a-GCST90001394	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	MR Egger	25	0.052389	0.030314	0.097354	-0.00703	0.111803	1.053785	0.992998	1.118293	0.257948
ebi-a-GCST90001394	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Weighted median	25	0.030165	0.029002	0.298296	-0.02668	0.087009	1.030624	0.973674	1.090907	0.347882
ebi-a-GCST90001394	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Weighted mode	25	0.045473	0.025567	0.087985	-0.00464	0.095584	1.046522	0.995372	1.100301	0.263913
ebi-a-GCST90001394	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Robust adjusted profile score (RAPS)	25	0.078815	0.038087	0.038512	0.004165	0.153466	1.082005	1.004174	1.165868	0.068871
ebi-a-GCST90001395	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Inverse variance weighted	24	-0.09686	0.043716	0.026707	-0.18255	-0.01118	0.907679	0.833145	0.988881	0.048059
ebi-a-GCST90001395	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	MR Egger	24	-0.05883	0.058316	0.323995	-0.17314	0.055465	0.942862	0.841024	1.057032	0.457405
ebi-a-GCST90001395	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Weighted median	24	-0.05607	0.066348	0.398034	-0.18612	0.073969	0.94547	0.830177	1.076774	0.41534
ebi-a-GCST90001395	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Weighted mode	24	-0.07639	0.0626	0.234731	-0.19908	0.046308	0.926457	0.819481	1.047397	0.312975
ebi-a-GCST90001395	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Robust adjusted profile score (RAPS)	24	-0.10417	0.049222	0.034324	-0.20064	-0.00769	0.901076	0.818206	0.992339	0.068871
ebi-a-GCST90001419	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %B cell || id:ebi-a-GCST90001419	Inverse variance weighted	19	0.109613	0.054995	0.046247	0.001822	0.217404	1.115846	1.001824	1.242846	0.048059
ebi-a-GCST90001419	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %B cell || id:ebi-a-GCST90001419	MR Egger	19	0.049423	0.097237	0.617795	-0.14116	0.240007	1.050664	0.868349	1.271258	0.644656
ebi-a-GCST90001419	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %B cell || id:ebi-a-GCST90001419	Weighted median	19	0.091911	0.066501	0.16694	-0.03843	0.222253	1.096267	0.962299	1.248887	0.308196
ebi-a-GCST90001419	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %B cell || id:ebi-a-GCST90001419	Weighted mode	19	0.081178	0.074667	0.291296	-0.06517	0.227525	1.084564	0.936908	1.255489	0.358519
ebi-a-GCST90001419	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %B cell || id:ebi-a-GCST90001419	Robust adjusted profile score (RAPS)	19	0.083721	0.069281	0.22688	-0.05207	0.219511	1.087326	0.949263	1.245467	0.22688
ebi-a-GCST90001431	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Inverse variance weighted	20	-0.06391	0.030241	0.034578	-0.12318	-0.00463	0.938092	0.884106	0.995376	0.048059
ebi-a-GCST90001431	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	MR Egger	20	-0.0578	0.036791	0.133572	-0.12991	0.014308	0.943837	0.878172	1.014411	0.267144
ebi-a-GCST90001431	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Weighted median	20	-0.05904	0.041004	0.149885	-0.13941	0.021324	0.942666	0.869871	1.021553	0.308196
ebi-a-GCST90001431	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Weighted mode	20	-0.0545	0.03633	0.149982	-0.12571	0.016702	0.946955	0.88187	1.016843	0.299965
ebi-a-GCST90001431	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Robust adjusted profile score (RAPS)	20	-0.06426	0.035008	0.066408	-0.13288	0.004353	0.937759	0.875573	1.004362	0.079698
ebi-a-GCST90001432	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Inverse variance weighted	24	0.105821	0.045381	0.01971	0.016874	0.194767	1.111623	1.017017	1.215028	0.048059
ebi-a-GCST90001432	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	MR Egger	24	-0.00828	0.081766	0.920276	-0.16854	0.151984	0.991756	0.844897	1.164142	0.920276
ebi-a-GCST90001432	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Weighted median	24	0.064999	0.061679	0.291961	-0.05589	0.18589	1.067158	0.945641	1.20429	0.347882
ebi-a-GCST90001432	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Weighted mode	24	0.050803	0.065914	0.448705	-0.07839	0.179995	1.052116	0.924605	1.197211	0.468214
ebi-a-GCST90001432	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Robust adjusted profile score (RAPS)	24	0.107628	0.049559	0.029877	0.010493	0.204764	1.113634	1.010548	1.227236	0.068871
ebi-a-GCST90001443	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Inverse variance weighted	19	0.07473	0.02349	0.001466	0.02869	0.120769	1.077593	1.029106	1.128365	0.035174
ebi-a-GCST90001443	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	MR Egger	19	0.059496	0.029241	0.057785	0.002184	0.116808	1.061302	1.002186	1.123904	0.257948
ebi-a-GCST90001443	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Weighted median	19	0.06642	0.029554	0.024615	0.008494	0.124346	1.068675	1.00853	1.132408	0.187317
ebi-a-GCST90001443	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Weighted mode	19	0.065744	0.027651	0.028714	0.011548	0.11994	1.067953	1.011615	1.127429	0.227354
ebi-a-GCST90001443	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Robust adjusted profile score (RAPS)	19	0.079791	0.02971	0.007239	0.021559	0.138022	1.08306	1.021793	1.148001	0.068871
ebi-a-GCST90001454	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Inverse variance weighted	19	-0.1288	0.065154	0.048059	-0.2565	-0.0011	0.87915	0.773754	0.998903	0.048059
ebi-a-GCST90001454	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	MR Egger	19	-0.22507	0.175929	0.217969	-0.56989	0.11975	0.79846	0.565587	1.127215	0.373661
ebi-a-GCST90001454	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Weighted median	19	-0.10726	0.087106	0.218189	-0.27799	0.063469	0.898294	0.757308	1.065526	0.347882
ebi-a-GCST90001454	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Weighted mode	19	-0.14118	0.112913	0.227191	-0.36249	0.080131	0.868335	0.695943	1.083429	0.312975
ebi-a-GCST90001454	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Robust adjusted profile score (RAPS)	19	-0.11643	0.070967	0.100884	-0.25552	0.022668	0.890095	0.774512	1.022927	0.105271
ebi-a-GCST90001459	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Inverse variance weighted	28	0.118167	0.048326	0.014476	0.023449	0.212885	1.125432	1.023726	1.237242	0.048059
ebi-a-GCST90001459	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	MR Egger	28	0.205696	0.088145	0.027619	0.032932	0.37846	1.22838	1.033481	1.460035	0.257948
ebi-a-GCST90001459	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Weighted median	28	0.092209	0.070014	0.187837	-0.04502	0.229437	1.096594	0.95598	1.257892	0.322005
ebi-a-GCST90001459	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Weighted mode	28	0.118887	0.084788	0.172257	-0.0473	0.285072	1.126243	0.953804	1.329857	0.312975
ebi-a-GCST90001459	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Robust adjusted profile score (RAPS)	28	0.126129	0.051905	0.015098	0.024396	0.227862	1.134429	1.024696	1.255912	0.068871
ebi-a-GCST90001566	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Inverse variance weighted	20	0.119677	0.04979	0.016233	0.022089	0.217266	1.127133	1.022335	1.242674	0.048059
ebi-a-GCST90001566	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	MR Egger	20	0.101659	0.084418	0.244096	-0.0638	0.267118	1.107006	0.938193	1.306194	0.390553
ebi-a-GCST90001566	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Weighted median	20	0.148795	0.065078	0.022229	0.021243	0.276347	1.160435	1.02147	1.318305	0.187317
ebi-a-GCST90001566	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Weighted mode	20	0.153624	0.065886	0.030877	0.024488	0.282761	1.166052	1.02479	1.326788	0.227354
ebi-a-GCST90001566	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Robust adjusted profile score (RAPS)	20	0.130835	0.051702	0.011388	0.0295	0.232171	1.13978	1.029939	1.261335	0.068871
ebi-a-GCST90001590	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Inverse variance weighted	24	-0.11736	0.04883	0.016245	-0.21306	-0.02165	0.889269	0.808106	0.978583	0.048059
ebi-a-GCST90001590	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	MR Egger	24	-0.13972	0.079895	0.09426	-0.29632	0.016871	0.869598	0.743551	1.017014	0.257948
ebi-a-GCST90001590	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Weighted median	24	-0.13134	0.074649	0.078508	-0.27765	0.014974	0.876921	0.757562	1.015086	0.209354
ebi-a-GCST90001590	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Weighted mode	24	-0.13194	0.078206	0.105096	-0.28523	0.02134	0.87639	0.751843	1.021569	0.263913
ebi-a-GCST90001590	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Robust adjusted profile score (RAPS)	24	-0.12574	0.053603	0.018986	-0.2308	-0.02068	0.881843	0.793897	0.979532	0.068871
ebi-a-GCST90001610	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Inverse variance weighted	22	0.104452	0.048314	0.030622	0.009757	0.199146	1.110102	1.009805	1.22036	0.048059
ebi-a-GCST90001610	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	MR Egger	22	0.11273	0.103021	0.286854	-0.08919	0.314652	1.11933	0.91467	1.369782	0.430281
ebi-a-GCST90001610	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Weighted median	22	0.126932	0.067839	0.061334	-0.00603	0.259896	1.13534	0.993986	1.296795	0.20521
ebi-a-GCST90001610	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Weighted mode	22	0.101485	0.08088	0.223351	-0.05704	0.26001	1.106814	0.944556	1.296944	0.312975
ebi-a-GCST90001610	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Robust adjusted profile score (RAPS)	22	0.102179	0.051982	0.049336	0.000295	0.204064	1.107582	1.000295	1.226376	0.078054
ebi-a-GCST90001742	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD19 on transitional B cell || id:ebi-a-GCST90001742	Inverse variance weighted	26	-0.06773	0.033664	0.044226	-0.13371	-0.00175	0.934513	0.874843	0.998253	0.048059
ebi-a-GCST90001742	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD19 on transitional B cell || id:ebi-a-GCST90001742	MR Egger	26	-0.07388	0.043804	0.104622	-0.15974	0.011972	0.92878	0.852365	1.012044	0.257948
ebi-a-GCST90001742	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD19 on transitional B cell || id:ebi-a-GCST90001742	Weighted median	26	-0.07844	0.048158	0.103337	-0.17283	0.015946	0.924554	0.841278	1.016074	0.248009
ebi-a-GCST90001742	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD19 on transitional B cell || id:ebi-a-GCST90001742	Weighted mode	26	-0.08492	0.040512	0.046352	-0.16432	-0.00552	0.918585	0.848467	0.994499	0.227354
ebi-a-GCST90001742	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD19 on transitional B cell || id:ebi-a-GCST90001742	Robust adjusted profile score (RAPS)	26	-0.07074	0.037397	0.058541	-0.14404	0.002557	0.931703	0.865853	1.00256	0.078054
ebi-a-GCST90001747	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Inverse variance weighted	25	0.066337	0.031811	0.037036	0.003988	0.128686	1.068587	1.003996	1.137333	0.048059
ebi-a-GCST90001747	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	MR Egger	25	0.114205	0.04727	0.024035	0.021555	0.206855	1.120982	1.021789	1.229804	0.257948
ebi-a-GCST90001747	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Weighted median	25	0.086414	0.047419	0.068403	-0.00653	0.179356	1.090258	0.993494	1.196446	0.20521
ebi-a-GCST90001747	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Weighted mode	25	0.089242	0.051805	0.097816	-0.0123	0.19078	1.093345	0.987779	1.210193	0.263913
ebi-a-GCST90001747	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Robust adjusted profile score (RAPS)	25	0.071397	0.034313	0.037456	0.004143	0.13865	1.074007	1.004152	1.148722	0.068871
ebi-a-GCST90001845	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Inverse variance weighted	28	-0.06969	0.032985	0.034617	-0.13434	-0.00504	0.932681	0.87429	0.994972	0.048059
ebi-a-GCST90001845	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	MR Egger	28	-0.08677	0.054285	0.122051	-0.19316	0.019633	0.916892	0.824347	1.019827	0.266294
ebi-a-GCST90001845	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Weighted median	28	-0.06859	0.04849	0.15723	-0.16363	0.026454	0.933713	0.849059	1.026807	0.308196
ebi-a-GCST90001845	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Weighted mode	28	-0.07331	0.04875	0.144255	-0.16886	0.022243	0.929314	0.844628	1.022492	0.299965
ebi-a-GCST90001845	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Robust adjusted profile score (RAPS)	28	-0.06995	0.039024	0.073057	-0.14643	0.006537	0.932442	0.863782	1.006559	0.079698
ebi-a-GCST90001847	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Inverse variance weighted	28	-0.05787	0.024267	0.017089	-0.10543	-0.01031	0.943771	0.899934	0.989745	0.048059
ebi-a-GCST90001847	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	MR Egger	28	-0.07791	0.03538	0.036737	-0.14725	-0.00856	0.925051	0.863077	0.991475	0.257948
ebi-a-GCST90001847	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted median	28	-0.07109	0.03358	0.034261	-0.1369	-0.00527	0.93138	0.872054	0.994742	0.187317
ebi-a-GCST90001847	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted mode	28	-0.06155	0.029621	0.047365	-0.1196	-0.00349	0.94031	0.887273	0.996517	0.227354

ebi-a-GCST90001847	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Robust adjusted profile score (RAPS)	28	-0.05696	0.026583	0.032135	-0.10906	-0.00486	0.944632	0.896675	0.995154	0.068871
ebi-a-GCST90001872	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Inverse variance weighted	21	0.048065	0.02415	0.046559	0.000732	0.095398	1.049238	1.000732	1.100096	0.048059
ebi-a-GCST90001872	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	MR Egger	21	0.025024	0.038608	0.524637	-0.05065	0.100695	1.02534	0.950614	1.105939	0.59916
ebi-a-GCST90001872	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Weighted median	21	0.042362	0.036657	0.247823	-0.02948	0.114209	1.043272	0.970946	1.120987	0.347882
ebi-a-GCST90001872	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Weighted mode	21	0.032271	0.038017	0.405995	-0.04224	0.106784	1.032798	0.958639	1.112694	0.442904
ebi-a-GCST90001872	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Robust adjusted profile score (RAPS)	21	0.048325	0.026398	0.067153	-0.00341	0.100065	1.049512	0.996591	1.105243	0.079698
ebi-a-GCST90001954	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD33 on basophil || id:ebi-a-GCST90001954	Inverse variance weighted	23	0.040086	0.017952	0.025551	0.0049	0.075272	1.0409	1.004912	1.078177	0.048059
ebi-a-GCST90001954	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD33 on basophil || id:ebi-a-GCST90001954	MR Egger	23	0.03261	0.025143	0.208694	-0.01667	0.08189	1.033148	0.983469	1.085336	0.373661
ebi-a-GCST90001954	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD33 on basophil || id:ebi-a-GCST90001954	Weighted median	23	0.026108	0.023539	0.267382	-0.02003	0.072245	1.026452	0.98017	1.074918	0.347882
ebi-a-GCST90001954	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD33 on basophil || id:ebi-a-GCST90001954	Weighted mode	23	0.034444	0.020679	0.109964	-0.00609	0.074975	1.035044	0.993931	1.077857	0.263913
ebi-a-GCST90001954	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD33 on basophil || id:ebi-a-GCST90001954	Robust adjusted profile score (RAPS)	23	0.037017	0.019259	0.054607	-0.00073	0.074765	1.03771	0.999268	1.077631	0.078054
ebi-a-GCST90001977	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Inverse variance weighted	17	-0.12056	0.055316	0.029293	-0.22898	-0.01214	0.886421	0.795341	0.98793	0.048059
ebi-a-GCST90001977	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	MR Egger	17	-0.07854	0.081043	0.347832	-0.23739	0.080301	0.924461	0.788684	1.083613	0.463776
ebi-a-GCST90001977	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Weighted median	17	-0.15003	0.075372	0.046533	-0.29776	-0.0023	0.860682	0.742479	0.997702	0.187317
ebi-a-GCST90001977	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Weighted mode	17	-0.17329	0.079263	0.044003	-0.32865	-0.01793	0.840894	0.719898	0.982226	0.227354
ebi-a-GCST90001977	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Robust adjusted profile score (RAPS)	17	-0.12449	0.06067	0.040175	-0.24341	-0.00558	0.882945	0.783953	0.994437	0.068871
ebi-a-GCST90001979	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Inverse variance weighted	22	0.072904	0.029431	0.013245	0.015219	0.13059	1.075628	1.015336	1.1395	0.048059
ebi-a-GCST90001979	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	MR Egger	22	0.080367	0.043563	0.079921	-0.00502	0.16575	1.083685	0.994996	1.180278	0.257948
ebi-a-GCST90001979	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Weighted median	22	0.046133	0.046284	0.318892	-0.04458	0.136849	1.047213	0.956396	1.146655	0.347882
ebi-a-GCST90001979	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Weighted mode	22	0.039679	0.04195	0.354978	-0.04254	0.121901	1.040477	0.958349	1.129642	0.40569
ebi-a-GCST90001979	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Robust adjusted profile score (RAPS)	22	0.074484	0.031679	0.018712	0.012393	0.136574	1.077328	1.01247	1.146339	0.068871
ebi-a-GCST90002001	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Inverse variance weighted	17	-0.08625	0.041893	0.039523	-0.16836	-0.00413	0.917369	0.845052	0.995874	0.048059
ebi-a-GCST90002001	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	MR Egger	17	-0.10791	0.063029	0.107479	-0.23145	0.015628	0.897709	0.793385	1.015751	0.257948
ebi-a-GCST90002001	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Weighted median	17	-0.04901	0.061204	0.423244	-0.16897	0.070947	0.952169	0.844532	1.073525	0.423244
ebi-a-GCST90002001	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Weighted mode	17	-0.06597	0.052776	0.229281	-0.16941	0.037472	0.93616	0.844163	1.038183	0.312975
ebi-a-GCST90002001	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Robust adjusted profile score (RAPS)	17	-0.08793	0.04636	0.05786	-0.1788	0.002932	0.915822	0.836275	1.002936	0.078054
ebi-a-GCST90002040	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD80 on granulocyte || id:ebi-a-GCST90002040	Inverse variance weighted	33	-0.08371	0.040652	0.039478	-0.16339	-0.00403	0.919699	0.849263	0.995977	0.048059
ebi-a-GCST90002040	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD80 on granulocyte || id:ebi-a-GCST90002040	MR Egger	33	-0.04378	0.072303	0.54923	-0.1855	0.097931	0.957163	0.830693	1.102887	0.59916
ebi-a-GCST90002040	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD80 on granulocyte || id:ebi-a-GCST90002040	Weighted median	33	-0.10879	0.054727	0.046829	-0.21605	-0.00152	0.896919	0.805691	0.998477	0.187317
ebi-a-GCST90002040	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD80 on granulocyte || id:ebi-a-GCST90002040	Weighted mode	33	-0.08206	0.065892	0.222036	-0.21121	0.047088	0.921217	0.809606	1.048214	0.312975
ebi-a-GCST90002040	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	CD80 on granulocyte || id:ebi-a-GCST90002040	Robust adjusted profile score (RAPS)	33	-0.09503	0.042353	0.024851	-0.17804	-0.01202	0.909347	0.836909	0.988056	0.068871
ebi-a-GCST90002074	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Inverse variance weighted	23	0.10125	0.048783	0.037939	0.005635	0.196865	1.106554	1.005651	1.21758	0.048059
ebi-a-GCST90002074	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	MR Egger	23	0.075352	0.09222	0.423049	-0.1054	0.256102	1.078264	0.899966	1.291885	0.534378
ebi-a-GCST90002074	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Weighted median	23	0.07679	0.071022	0.279603	-0.06241	0.215993	1.079815	0.939494	1.241093	0.347882
ebi-a-GCST90002074	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Weighted mode	23	0.077942	0.073237	0.298766	-0.0656	0.221487	1.08106	0.936502	1.247931	0.358519
ebi-a-GCST90002074	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Robust adjusted profile score (RAPS)	23	0.104713	0.049805	0.035513	0.007095	0.202331	1.110392	1.00712	1.224253	0.068871
ebi-a-GCST90002082	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Inverse variance weighted	19	0.132765	0.050358	0.008378	0.034064	0.231466	1.141982	1.034651	1.260446	0.048059
ebi-a-GCST90002082	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	MR Egger	19	0.142799	0.067564	0.049641	0.010373	0.275224	1.153498	1.010427	1.316826	0.257948
ebi-a-GCST90002082	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Weighted median	19	0.077658	0.076584	0.310572	-0.07245	0.227762	1.080753	0.930115	1.255787	0.347882
ebi-a-GCST90002082	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Weighted mode	19	0.055387	0.07949	0.494842	-0.10041	0.211188	1.05695	0.904463	1.235145	0.494842
ebi-a-GCST90002082	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Robust adjusted profile score (RAPS)	19	0.139789	0.07757	0.071529	-0.01225	0.291826	1.150031	0.987827	1.33887	0.079698
ebi-a-GCST90002110	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Inverse variance weighted	22	0.053854	0.027176	0.047518	0.000589	0.10712	1.055331	1.000589	1.113068	0.048059
ebi-a-GCST90002110	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	MR Egger	22	0.034613	0.045718	0.457825	-0.055	0.124221	1.035219	0.94649	1.132266	0.54939
ebi-a-GCST90002110	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Weighted median	22	0.070747	0.033363	0.033962	0.005356	0.136139	1.07331	1.00537	1.145841	0.187317
ebi-a-GCST90002110	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Weighted mode	22	0.067016	0.034596	0.066305	-0.00079	0.134824	1.069312	0.999207	1.144336	0.263913
ebi-a-GCST90002110	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Robust adjusted profile score (RAPS)	22	0.060843	0.026439	0.021379	0.009022	0.112664	1.062732	1.009063	1.119256	0.068871

Supplementary Table 2: MR Estimates of the causal effect of lipids on esophageal cancer.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-PL179-GCST90277257	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Cholesterol levels || id:ebi-PL179-GCST90277257	Inverse variance weighted	20	0.20648	0.09104	0.02333	0.028044	0.38492	1.22934	1.02844	1.46949	0.04039
ebi-PL179-GCST90277257	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Cholesterol levels || id:ebi-PL179-GCST90277257	MR Egger	20	0.19043	0.26028	0.47382	-0.31973	0.70059	1.20977	0.72635	2.01493	0.51027
ebi-PL179-GCST90277257	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Cholesterol levels || id:ebi-PL179-GCST90277257	Weighted median	20	0.1345	0.12572	0.2847	-0.11191	0.38091	1.14397	0.89412	1.46362	0.31886
ebi-PL179-GCST90277257	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Cholesterol levels || id:ebi-PL179-GCST90277257	Weighted mode	20	0.08412	0.18175	0.64872	-0.27211	0.44036	1.08776	0.76177	1.55326	0.68544
ebi-PL179-GCST90277276	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Inverse variance weighted	25	-0.1468	0.06419	0.02222	-0.2726	-0.021	0.86348	0.7614	0.97926	0.04039
ebi-PL179-GCST90277276	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	MR Egger	25	-0.3429	0.13573	0.01887	-0.60889	-0.0768	0.70973	0.54395	0.92604	0.06189
ebi-PL179-GCST90277276	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Weighted median	25	-0.1737	0.07926	0.02844	-0.32902	-0.0183	0.84057	0.71963	0.98184	0.06408
ebi-PL179-GCST90277276	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Weighted mode	25	-0.1828	0.08414	0.03988	-0.34775	-0.0179	0.83291	0.70628	0.98224	0.06767
ebi-PL179-GCST90277287	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Inverse variance weighted	15	0.1078	0.04504	0.01668	0.019531	0.19607	1.11383	1.01972	1.21661	0.04039
ebi-PL179-GCST90277287	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	MR Egger	15	0.18324	0.06761	0.01784	0.050726	0.31576	1.2011	1.05203	1.3713	0.06189
ebi-PL179-GCST90277287	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Weighted median	15	0.1169	0.05038	0.02031	0.018163	0.21564	1.12401	1.01833	1.24065	0.06189
ebi-PL179-GCST90277287	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Weighted mode	15	0.11413	0.0499	0.03825	0.016337	0.21193	1.1209	1.01647	1.23606	0.06767
ebi-PL179-GCST90277307	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Inverse variance weighted	13	0.24569	0.10792	0.02281	0.034165	0.45722	1.27851	1.03476	1.57968	0.04039
ebi-PL179-GCST90277307	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	MR Egger	13	-0.0517	0.30229	0.86733	-0.64417	0.54079	0.94962	0.5251	1.71737	0.86733
ebi-PL179-GCST90277307	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Weighted median	13	0.16453	0.14334	0.25105	-0.11642	0.44548	1.17884	0.8901	1.56124	0.29289
ebi-PL179-GCST90277307	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Weighted mode	13	0.18014	0.18206	0.34198	-0.1767	0.53698	1.19738	0.83803	1.71083	0.37551
ebi-PL179-GCST90277313	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Inverse variance weighted	19	0.10233	0.04925	0.03772	0.005808	0.19886	1.10775	1.00582	1.22001	0.04161
ebi-PL179-GCST90277313	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	MR Egger	19	0.15219	0.07757	0.06636	0.000146	0.30424	1.16438	1.00015	1.35559	0.08643
ebi-PL179-GCST90277313	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Weighted median	19	0.13821	0.05586	0.01335	0.02873	0.2477	1.14822	1.02915	1.28107	0.06189
ebi-PL179-GCST90277313	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Weighted mode	19	0.13099	0.05793	0.03636	0.017453	0.24452	1.13995	1.01761	1.27701	0.06767
ebi-PL179-GCST90277316	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Inverse variance weighted	11	-0.2107	0.09354	0.02431	-0.394	-0.0273	0.81005	0.67435	0.97305	0.04039
ebi-PL179-GCST90277316	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	MR Egger	11	-0.3797	0.24465	0.15506	-0.85922	0.0998	0.68406	0.42349	1.10495	0.18476
ebi-PL179-GCST90277316	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Weighted median	11	-0.2351	0.1199	0.04987	-0.47015	-0.0001	0.79046	0.62491	0.99987	0.07161
ebi-PL179-GCST90277316	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Weighted mode	11	-0.2557	0.12235	0.06313	-0.4955	-0.0159	0.77437	0.60927	0.98422	0.08417
ebi-PL179-GCST90277321	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Inverse variance weighted	9	-0.203	0.10266	0.04797	-0.40423	-0.0018	0.81626	0.66749	0.99819	0.04797
ebi-PL179-GCST90277321	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	MR Egger	9	-0.8171	0.3427	0.04856	-1.48883	-0.1455	0.44169	0.22564	0.86463	0.07157
ebi-PL179-GCST90277321	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Weighted median	9	-0.3602	0.13917	0.00965	-0.63298	-0.0874	0.69753	0.53101	0.91629	0.06189
ebi-PL179-GCST90277321	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Weighted mode	9	-0.362	0.16533	0.05995	-0.68607	-0.038	0.69626	0.50355	0.96273	0.08188
ebi-PL179-GCST90277323	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Inverse variance weighted	18	0.12594	0.05656	0.02596	0.015087	0.23679	1.13421	1.0152	1.26718	0.04039
ebi-PL179-GCST90277323	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	MR Egger	18	0.23701	0.09337	0.02192	0.053996	0.42002	1.26745	1.05548	1.522	0.06189
ebi-PL179-GCST90277323	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Weighted median	18	0.18921	0.07631	0.01316	0.039634	0.33879	1.20829	1.04043	1.40324	0.06189
ebi-PL179-GCST90277323	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Weighted mode	18	0.18961	0.06893	0.01365	0.0545	0.32471	1.20877	1.05601	1.38363	0.06189
ebi-PL179-GCST90277336	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Inverse variance weighted	12	0.1542	0.07315	0.03502	0.010837	0.29757	1.16673	1.0109	1.34658	0.04161
ebi-PL179-GCST90277336	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	MR Egger	12	0.32572	0.1477	0.05197	0.036228	0.6152	1.38502	1.03689	1.85003	0.07276
ebi-PL179-GCST90277336	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Weighted median	12	0.21907	0.08931	0.01417	0.04402	0.39411	1.24491	1.045	1.48306	0.06189
ebi-PL179-GCST90277336	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Weighted mode	12	0.19647	0.08709	0.04543	0.025761	0.36717	1.21709	1.0261	1.44364	0.07157
ebi-PL179-GCST90277340	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Inverse variance weighted	9	0.27067	0.07984	0.0007	0.114183	0.42715	1.31084	1.12096	1.53289	0.00489
ebi-PL179-GCST90277340	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	MR Egger	9	0.20416	0.1743	0.2798	-0.13748	0.5458	1.2265	0.87156	1.72599	0.31886
ebi-PL179-GCST90277340	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Weighted median	9	0.23968	0.09786	0.01431	0.047882	0.43148	1.27084	1.04905	1.53954	0.06189
ebi-PL179-GCST90277340	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Weighted mode	9	0.22783	0.09779	0.04817	0.036166	0.4195	1.25588	1.03683	1.5212	0.07157
ebi-PL179-GCST90277363	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Inverse variance weighted	22	-0.147	0.07108	0.03864	-0.28631	-0.0077	0.8633	0.75103	0.99235	0.04161
ebi-PL179-GCST90277363	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	MR Egger	22	-0.0551	0.14888	0.71509	-0.34692	0.23668	0.94637	0.70686	1.26703	0.74157
ebi-PL179-GCST90277363	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Weighted median	22	-0.1888	0.07657	0.0137	-0.33885	-0.0387	0.82798	0.71259	0.96206	0.06189
ebi-PL179-GCST90277363	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Weighted mode	22	-0.1828	0.07162	0.01856	-0.32318	-0.0424	0.83294	0.72385	0.95848	0.06189
ebi-PL179-GCST90277367	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Inverse variance weighted	13	0.21234	0.07998	0.00793	0.055588	0.36909	1.23657	1.05716	1.44642	0.037
ebi-PL179-GCST90277367	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	MR Egger	13	0.46768	0.19949	0.03888	0.076669	0.85869	1.59628	1.07968	2.36006	0.06767
ebi-PL179-GCST90277367	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Weighted median	13	0.23688	0.10822	0.02861	0.024765	0.44899	1.26729	1.02507	1.56674	0.06408
ebi-PL179-GCST90277367	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Weighted mode	13	0.24786	0.13617	0.09373	-0.01902	0.51474	1.28128	0.98116	1.67321	0.11411
ebi-PL179-GCST90277371	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Inverse variance weighted	16	0.18355	0.08642	0.03367	0.01417	0.35293	1.20148	1.01427	1.42323	0.04161
ebi-PL179-GCST90277371	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	MR Egger	16	0.05107	0.22492	0.82367	-0.38978	0.49192	1.05239	0.6772	1.63545	0.83865
ebi-PL179-GCST90277371	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Weighted median	16	0.22846	0.11548	0.04789	0.002123	0.45481	1.25667	1.00213	1.57587	0.07157
ebi-PL179-GCST90277371	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Weighted mode	16	0.30783	0.15942	0.07262	-0.00464	0.6203	1.36047	0.99537	1.85949	0.09037
ebi-PL179-GCST90277411	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Inverse variance weighted	16	0.26566	0.07438	0.00035	0.119879	0.41144	1.30429	1.12736	1.50899	0.00489
ebi-PL179-GCST90277411	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	MR Egger	16	0.4222	0.21542	0.07022	-2.37E-05	0.84442	1.52531	0.99998	2.32663	0.08938
ebi-PL179-GCST90277411	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Weighted median	16	0.30897	0.10314	0.00274	0.106825	0.51112	1.36202	1.11274	1.66715	0.0511
ebi-PL179-GCST90277411	ebi-a-GCST90018841	Esophageal cancer || id:ebi-a-GCST90018841	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Weighted mode	16	0.34142	0.11301	0.00859	0.119926	0.56291	1.40694	1.12741	1.75578	0.06189

Supplementary Table 3: MR Estimates of the causal effect of immune cell phenotypes on lipids.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-a-GCST90001395	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels	IgD+ CD38- B cell %B cell	Inverse variance weighted	7	-0.1988	0.06821	0.00356	-0.33249	-0.065098	0.81972	0.71713	0.93698	0.02638
ebi-a-GCST90001395	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels	IgD+ CD38- B cell %B cell	Inverse variance weighted	7	-0.14006	0.0689	0.04208	-0.27511	-0.005009	0.86931	0.75949	0.995	0.04969
ebi-a-GCST90001454	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels	CD62L- HLA DR++ monocyte Absolute Count	Inverse variance weighted	6	-0.11943	0.06046	0.04823	-0.23793	-0.000929	0.88743	0.78826	0.99907	0.04969
ebi-a-GCST90001610	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels	CD4+ CD8dim T cell %lymphocyte	Inverse variance weighted	9	-0.10277	0.0411	0.01241	-0.18333	-0.022204	0.90234	0.83249	0.97804	0.02638
ebi-a-GCST90001432	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels	Unswitched memory B cell %lymphocyte	Inverse variance weighted	13	-0.07889	0.03863	0.04113	-0.1546	-0.003177	0.92414	0.85676	0.99683	0.04969
ebi-a-GCST90002082	ebi-PL179-GCST90277323	Phosphatidylcholine (O-16:0_20:4) levels	SSC-A on CD8+ T cell	Inverse variance weighted	14	-0.0721	0.02623	0.00598	-0.1235	-0.020694	0.93044	0.88382	0.97952	0.02638
ebi-a-GCST90001845	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels	CD3 on CD45RA- CD4+ T cell	Inverse variance weighted	15	-0.06276	0.02437	0.01002	-0.11053	-0.014994	0.93917	0.89536	0.98512	0.02638
ebi-a-GCST90002082	ebi-PL179-GCST90277340	Phosphatidylcholine (O-18:1_20:4) levels	SSC-A on CD8+ T cell	Inverse variance weighted	14	-0.05784	0.02201	0.0086	-0.10098	-0.014694	0.9438	0.90395	0.98541	0.02638
ebi-a-GCST90001872	ebi-PL179-GCST90277313	Phosphatidylcholine (18:1_20:4) levels	HVEM on naive CD8+ T cell	Inverse variance weighted	13	-0.04567	0.01776	0.01012	-0.08047	-0.010862	0.95536	0.92268	0.9892	0.02638
ebi-a-GCST90001979	ebi-PL179-GCST90277411	Triacylglycerol (56:5) levels	CD16 on CD14- CD16+ monocyte	Inverse variance weighted	11	-0.0407	0.02074	0.04969	-0.08135	-5.46E-05	0.96011	0.92187	0.99995	0.04969
ebi-a-GCST90001979	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels	CD16 on CD14- CD16+ monocyte	Inverse variance weighted	11	-0.0371	0.01843	0.04406	-0.07322	-0.000986	0.96358	0.9294	0.99901	0.04969
ebi-a-GCST90002110	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels	HLA DR on CD33dim HLA DR+ CD11b+	Inverse variance weighted	16	-0.03572	0.01422	0.01199	-0.06359	-0.007855	0.96491	0.93839	0.99218	0.02638
ebi-a-GCST90001394	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels	IgD+ CD38dim B cell Absolute Count	Inverse variance weighted	15	-0.02961	0.01377	0.0315	-0.05659	-0.002625	0.97083	0.94498	0.99738	0.04462
ebi-a-GCST90001747	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels	CD20 on IgD+ CD24- B cell	Inverse variance weighted	18	-0.02923	0.01096	0.00765	-0.05072	-0.007752	0.97119	0.95055	0.99228	0.02638
ebi-a-GCST90001747	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels	CD20 on IgD+ CD24- B cell	Inverse variance weighted	18	0.02822	0.01297	0.02953	0.0028	0.05364	1.02862	1.00281	1.0551	0.04462
ebi-a-GCST90001459	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels	Myeloid Dendritic Cell %Dendritic Cell	Inverse variance weighted	16	0.0622	0.02839	0.02846	0.00656	0.1178524	1.06418	1.00658	1.12508	0.04462
ebi-a-GCST90001977	ebi-PL179-GCST90277257	Cholesterol levels	FSC-A on HLA DR+ CD4+ T cell	Inverse variance weighted	10	0.09326	0.03973	0.0189	0.01539	0.1711289	1.09775	1.01551	1.18664	0.03571

Supplementary Table 4: MR Estimates of the causal effect of lipids on immune cell phenotypes.

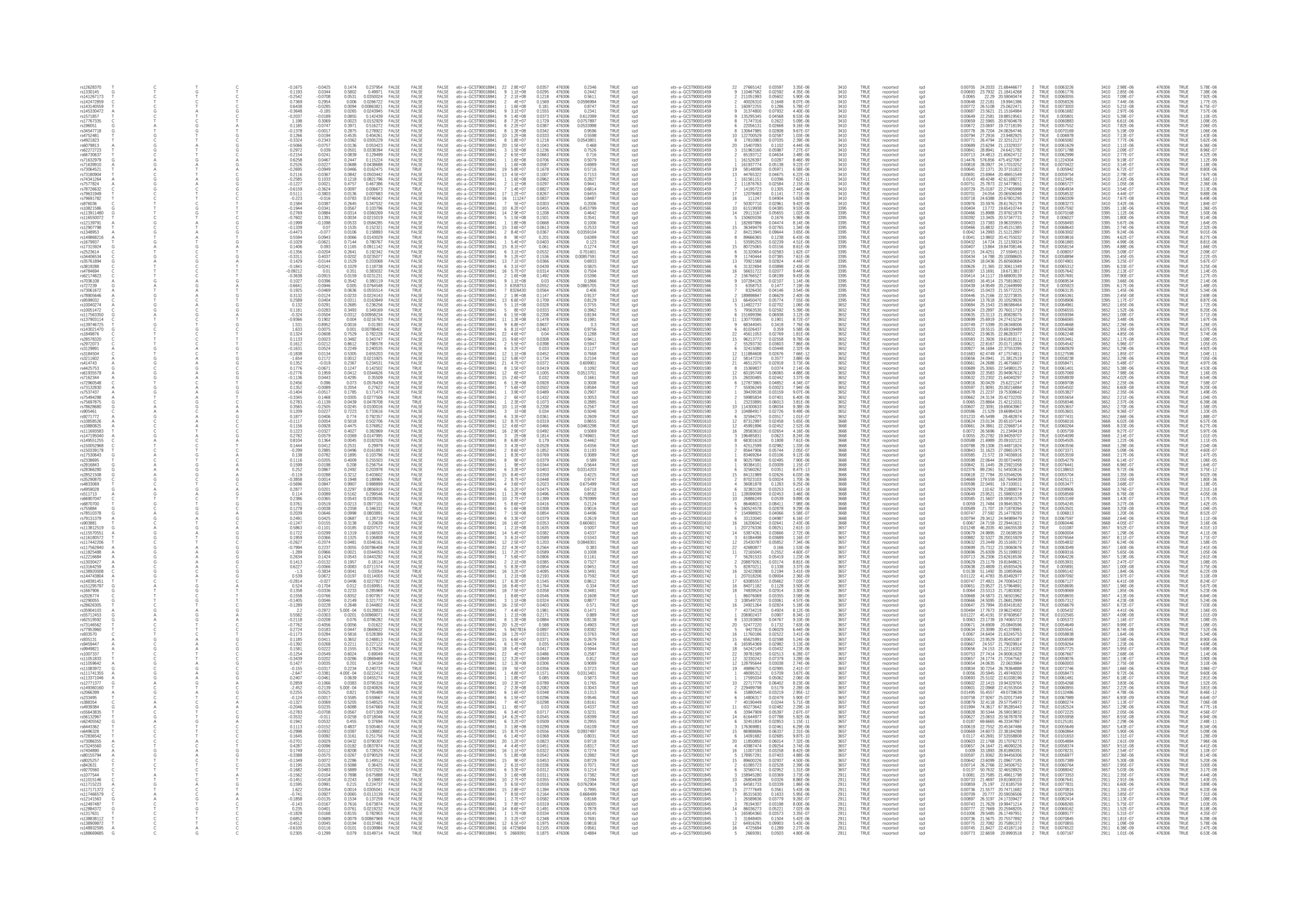
id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-PL179-GCST90277257	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Cholesterol levels || id:ebi-PL179-GCST90277257	Inverse variance weighted	18	-0.2086	0.08017	0.00927	-0.3657	-0.0515	0.81173	0.6937	0.94985	0.03245
ebi-PL179-GCST90277313	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Inverse variance weighted	18	-0.0971	0.04734	0.04028	-0.1899	-0.0043	0.90748	0.82707	0.99571	0.04028
ebi-PL179-GCST90277313	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Inverse variance weighted	18	-0.1265	0.04622	0.00621	-0.2171	-0.0359	0.88118	0.80486	0.96474	0.03245
ebi-PL179-GCST90277323	ebi-a-GCST90002110	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Inverse variance weighted	17	0.15985	0.07468	0.03232	0.01348	0.30623	1.17334	1.01357	1.35829	0.04028
ebi-PL179-GCST90277336	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Inverse variance weighted	12	-0.1412	0.06724	0.03572	-0.273	-0.0094	0.86831	0.7611	0.99062	0.04028
ebi-PL179-GCST90277340	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Inverse variance weighted	9	-0.1532	0.07235	0.03425	-0.295	-0.0114	0.85798	0.74454	0.9887	0.04028
ebi-PL179-GCST90277340	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST90001454	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Inverse variance weighted	9	0.16613	0.07566	0.02811	0.01784	0.31443	1.18073	1.018	1.36948	0.04028

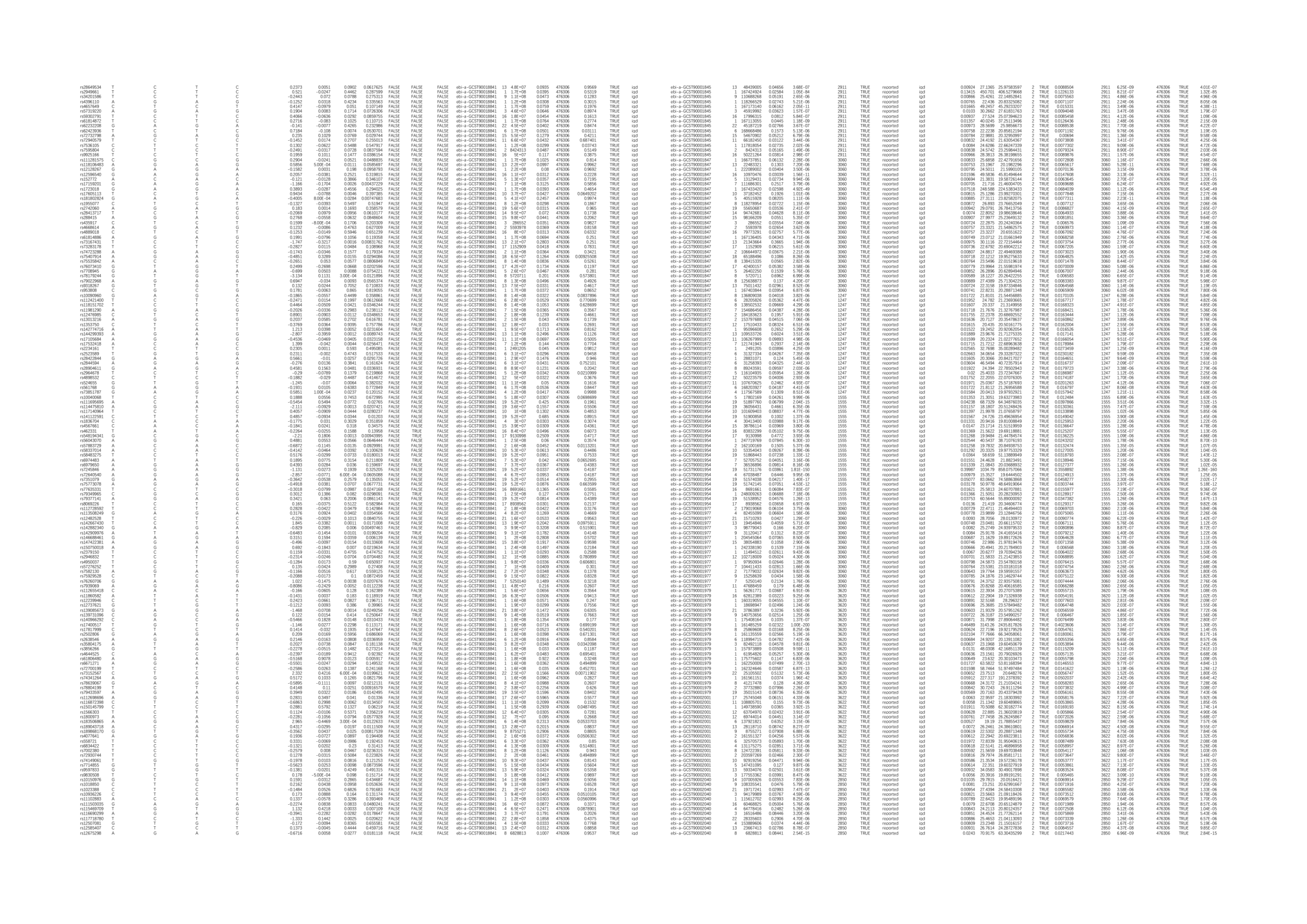
Supplementary Table 5: MR Estimates of the causal effect of immune cell phenotypes/lipids on typical throat/chest pain phenotypes associated with esophageal cancer.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-a-GCST90001847	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Inverse variance weighted	16	-0.0415	0.01591	0.00915	-0.072633	-0.0103	0.95939	0.92994	0.98977	0.03258
ebi-a-GCST90001847	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	MR Egger	16	-0.022	0.02745	0.43594	-0.075818	0.03179	0.97822	0.92698	1.0323	0.43594
ebi-a-GCST90001847	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted median	16	-0.0419	0.02222	0.05925	-0.08548	0.00164	0.95894	0.91807	1.00164	0.079
ebi-a-GCST90001847	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted mode	16	-0.0297	0.02119	0.18192	-0.071207	0.01187	0.97077	0.93127	1.01194	0.20791
ebi-a-GCST90001954	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD33 on basophil || id:ebi-a-GCST90001954	Inverse variance weighted	12	0.02018	0.00873	0.02075	0.0030764	0.03729	1.02039	1.00308	1.03799	0.03954
ebi-a-GCST90001954	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD33 on basophil || id:ebi-a-GCST90001954	MR Egger	12	0.04881	0.01441	0.00693	0.0205599	0.07706	1.05002	1.02077	1.08011	0.03258
ebi-a-GCST90001954	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD33 on basophil || id:ebi-a-GCST90001954	Weighted median	12	0.0236	0.00942	0.01222	0.0051417	0.04207	1.02389	1.00515	1.04296	0.03258
ebi-a-GCST90001954	finn-b-R18_PAIN_THROAT_CHEST	Pain in throat and chest || id:finn-b-R18_PAIN_THROAT_CHEST	CD33 on basophil || id:ebi-a-GCST90001954	Weighted mode	12	0.02618	0.01007	0.02471	0.0064419	0.04593	1.02653	1.00646	1.047	0.03954
ebi-a-GCST90001847	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Inverse variance weighted	16	-0.0031	0.00079	9.71E-05	-0.004599	-0.0015	0.99694	0.99541	0.99848	0.00078
ebi-a-GCST90001847	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	MR Egger	16	-0.0026	0.00146	0.09885	-0.005461	0.00028	0.99741	0.99455	1.00028	0.22201
ebi-a-GCST90001847	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted median	16	-0.0018	0.0011	0.11101	-0.003904	0.0004	0.99825	0.9961	1.0004	0.22201
ebi-a-GCST90001847	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Weighted mode	16	-0.0016	0.00123	0.22197	-0.003993	0.00085	0.99843	0.99601	1.00085	0.28556
ebi-PL179-GCST90277411	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Inverse variance weighted	4	0.00431	0.00197	0.0286	0.0004506	0.00817	1.00432	1.00045	1.0082	0.00715
ebi-PL179-GCST90277411	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	MR Egger	4	0.0111	0.01216	0.45762	-0.012728	0.03493	1.01116	0.98735	1.03554	0.45762
ebi-PL179-GCST90277411	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Weighted median	4	0.00494	0.00236	0.03625	0.0003164	0.00956	1.00495	1.00032	1.00961	0.07249
ebi-PL179-GCST90277411	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Weighted mode	4	0.00562	0.00288	0.14633	-3.00E-05	0.01127	1.00564	0.99997	1.01134	0.19511
ebi-a-GCST90002082	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Inverse variance weighted	14	0.00181	0.00092	0.04953	3.72E-06	0.00362	1.00181	1	1.00362	0.0381
ebi-a-GCST90002082	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	MR Egger	14	0.00103	0.00117	0.39933	-0.001274	0.00333	1.00103	0.99873	1.00333	0.39933
ebi-a-GCST90002082	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Weighted median	14	0.00124	0.00108	0.24986	-0.000873	0.00335	1.00124	0.99913	1.00336	0.28556
ebi-a-GCST90002082	ukb-a-581	Diagnoses - main ICD10: R07 Pain in throat and chest || id:ukb-a-581	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Weighted mode	14	0.00128	0.00088	0.17071	-0.000451	0.00302	1.00128	0.99955	1.00302	0.27313

Supplementary Table 6: SNPs used as instrumental variables in Mendelian Randomization analysis of immune cell phenotypes on esophageal cancer.

SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	eaf.exposure	eaf.outcome	remove	palindromic	ambiguous	id.outcome	chr	pos	se.outcome	samplesize.outcome	pval.outcome	mr_keep.outcome	data_source.outcome	id.exposure	chr.exposure	pos.exposure	se.exposure	pval.exposure	samplesize.exposure	mr_keep.exposure	pval_origin.exposure	data_source.exposure	R2	F	F_pow_beta_s	action	mr_keep	rsq.exposure	effective_n.exposure	rsq.outcome	effective_n.outcome	steiger_dir	steiger_pval
rs115150472	T	C	T	C	2.534	0.2865	4.00E-04	0.0183041	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.5E+08	0.1792	476306	0.11	TRUE	igd	ebi-a-GCST90001394	5	146138788	0.5718	9.63E-06	3656	TRUE	reported	igd	0.00513	18.8597	19.63925093	2	TRUE	0.005346	3656	5.37E-06	476306	TRUE	1.95E-05
rs115951641	T	A	T	A	0.2476	0.0247	0.049	0.162857	FALSE	TRUE	FALSE	ebi-a-GCST90018841	6	5.2E+07	0.0646	476306	0.702301	TRUE	igd	ebi-a-GCST90001394	6	52336715	0.05577	9.25E-06	3656	TRUE	reported	igd	0.00571	20.9974	19.71060668	2	TRUE	0.0053653	3656	3.07E-07	476306	TRUE	1.16E-05
rs116851238	T	C	T	C	-0.4319	0.0402	0.0176	0.0127067	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	3.4E+07	0.1896	476306	0.8319	TRUE	igd	ebi-a-GCST90001394	10	33792014	0.08996	1.64E-06	3656	TRUE	reported	igd	0.00645	23.7234	23.04981874	2	TRUE	0.0062686	3656	9.44E-08	476306	TRUE	1.95E-06
rs117518951	C	T	C	T	0.2458	0.2087	0.049	0.0641028	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	5.5E+07	0.0903	476306	0.0208502	TRUE	igd	ebi-a-GCST90001394	16	55449193	0.0546	6.93E-06	3656	TRUE	reported	igd	0.00563	20.6915	20.26648687	2	TRUE	0.0055158	3656	1.12E-05	476306	TRUE	1.88E-05
rs12197153	A	G	A	G	2.216	0.0461	7.00E-04	0.0592042	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1E+08	0.0638	476306	0.4699	TRUE	igd	ebi-a-GCST90001394	6	100821460	0.4431	5.96E-07	3656	TRUE	reported	igd	0.00687	25.277	25.01128541	2	TRUE	0.0067984	3656	1.10E-06	476306	TRUE	8.98E-07
rs12799241	A	G	A	G	0.13	-0.1135	0.2619	0.221782	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.2E+08	0.0539	476306	0.0353598	TRUE	igd	ebi-a-GCST90001394	11	119980729	0.0273	1.99E-06	3656	TRUE	reported	igd	0.00653	24.0316	22.67573696	2	TRUE	0.0061675	3656	9.31E-06	476306	TRUE	5.25E-06
rs12906621	A	G	A	G	0.1764	-0.0735	0.1091	0.107028	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	3.7E+07	0.0538	476306	0.1722	TRUE	igd	ebi-a-GCST90001394	15	37177413	0.03817	3.91E-06	3656	TRUE	reported	igd	0.00605	22.2374	21.35761934	2	TRUE	0.005811	3656	3.92E-06	476306	TRUE	7.48E-06
rs139801247	C	T	C	T	0.3801	0.1901	0.0208	0.029885	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	1.4E+08	0.1407	476306	0.1769	TRUE	igd	ebi-a-GCST90001394	9	138747854	0.0836	5.63E-06	3656	TRUE	reported	igd	0.00589	21.6318	20.67203275	2	TRUE	0.0056255	3656	3.83E-06	476306	TRUE	1.05E-05
rs141880653	T	C	T	C	1.849	0.2839	0.001	0.0115102	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.7E+08	0.2066	476306	0.1693	TRUE	igd	ebi-a-GCST90001394	5	166970737	0.3979	3.49E-06	3656	TRUE	reported	igd	0.00683	25.1313	21.59364434	2	TRUE	0.0058749	3656	3.96E-06	476306	TRUE	6.67E-06
rs143176410	C	G	C	G	1.912	0.2183	0.001	0.0133306	FALSE	TRUE	FALSE	ebi-a-GCST90018841	16	8.4E+07	0.1874	476306	0.2442	TRUE	igd	ebi-a-GCST90001394	16	84305239	0.3929	1.19E-06	3656	TRUE	reported	igd	0.0073	26.8858	23.68163691	2	TRUE	0.0064393	3656	2.85E-06	476306	TRUE	2.13E-06
rs143397127	C	T	C	T	-0.4549	-1.0748	0.0157	0.001121	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.3E+07	1.7367	476306	0.536	TRUE	igd	ebi-a-GCST90001394	7	12847391	0.09626	2.38E-06	3656	TRUE	reported	igd	0.0064	23.5204	22.33264482	2	TRUE	0.0060747	3656	8.04E-07	476306	TRUE	3.35E-06
rs147207149	G	A	G	A	0.6732	-0.0188	0.0075	0.0236928	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.3E+08	0.1437	476306	0.8961	TRUE	igd	ebi-a-GCST90001394	5	128786753	0.1407	1.78E-06	3656	TRUE	reported	igd	0.00675	24.821	22.89285828	2	TRUE	0.0062261	3656	3.59E-08	476306	TRUE	2.04E-06
rs150663332	T	C	T	C	-0.1942	0.0391	0.084	0.0784945	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	2044843	0.0605	476306	0.518	TRUE	igd	ebi-a-GCST90001394	8	2044843	0.0428	5.88E-06	3656	TRUE	reported	igd	0.0058	21.3304	20.5878461	2	TRUE	0.0056028	3656	8.77E-07	476306	TRUE	8.24E-06
rs1510970	A	G	A	G	-0.1966	0.0513	0.087	0.110376	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.2E+08	0.0583	476306	0.3789	TRUE	igd	ebi-a-GCST90001394	5	118216738	0.04234	3.57E-06	3656	TRUE	reported	igd	0.00614	22.5751	21.56082227	2	TRUE	0.005866	3656	1.63E-06	476306	TRUE	5.53E-06
rs17056318	C	T	C	T	-0.2225	0.0099	0.081	0.0621152	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.6E+08	0.0668	476306	0.8821	TRUE	igd	ebi-a-GCST90001394	5	158285953	0.04431	5.37E-07	3656	TRUE	reported	igd	0.00737	27.1314	25.21485822	2	TRUE	0.0068533	3656	4.61E-08	476306	TRUE	6.26E-07
rs190448231	G	T	G	T	0.327	0.1262	0.028	0.0161493	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	8.8E+07	0.1741	476306	0.4684	TRUE	igd	ebi-a-GCST90001394	7	87868543	0.07351	8.89E-06	3656	TRUE	reported	igd	0.00582	21.3921	19.78803454	2	TRUE	0.0053863	3656	1.10E-06	476306	TRUE	1.28E-05
rs2395904	G	T	G	T	-0.1253	-0.0278	0.2657	0.310107	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	1.3E+08	0.0312	476306	0.3729	TRUE	igd	ebi-a-GCST90001394	8	130617819	0.0268	3.03E-06	3656	TRUE	reported	igd	0.00613	22.5234	21.85911395	2	TRUE	0.0059467	3656	1.67E-06	476306	TRUE	4.77E-06
rs283340	C	T	C	T	0.1175	0.0057	0.5621	0.541946	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	7E+07	0.0302	476306	0.8488	TRUE	igd	ebi-a-GCST90001394	8	70193536	0.02409	1.13E-06	3656	TRUE	reported	igd	0.0068	25.0049	23.79042132	2	TRUE	0.0064687	3656	7.48E-08	476306	TRUE	1.32E-06
rs34764986	C	T	C	T	-0.2175	0.1184	0.0699	0.0293989	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	6E+07	0.1337	476306	0.376	TRUE	igd	ebi-a-GCST90001394	20	59926554	0.04671	3.31E-06	3656	TRUE	reported	igd	0.00615	22.6154	21.68197244	2	TRUE	0.0058988	3656	1.65E-06	476306	TRUE	5.21E-06
rs4792571	T	G	T	G	0.1093	0.0577	0.4699	0.491198	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	1.5E+07	0.0301	476306	0.0551303	TRUE	igd	ebi-a-GCST90001394	17	14931234	0.02377	4.42E-06	3656	TRUE	reported	igd	0.00595	21.8773	21.14374734	2	TRUE	0.0057532	3656	7.71E-06	476306	TRUE	1.04E-05
rs655580	A	G	A	G	0.1183	-0.0105	0.4571	0.36765	FALSE	FALSE	FALSE	ebi-a-GCST90018841	19	5.3E+07	0.0309	476306	0.7327	TRUE	igd	ebi-a-GCST90001394	19	53039110	0.0239	7.70E-07	3656	TRUE	reported	igd	0.00695	25.558	24.50042891	2	TRUE	0.0066604	3656	2.42E-07	476306	TRUE	9.83E-07
rs72691696	T	C	T	C	1.476	0.3337	0.0014	0.0219489	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	1.7E+08	0.1721	476306	0.0525497	TRUE	igd	ebi-a-GCST90001394	1	166598682	0.332	9.05E-06	3656	TRUE	reported	igd	0.00609	22.3947	19.76498766	2	TRUE	0.00538	3656	7.89E-06	476306	TRUE	2.09E-05
rs75474045	A	G	A	G	0.5528	-0.4505	0.0126	0.02197	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	7.2E+07	0.4921	476306	0.3599	TRUE	igd	ebi-a-GCST90001394	13	72428296	0.1063	2.09E-07	3656	TRUE	reported	igd	0.0076	27.9971	27.04391359	2	TRUE	0.0073468	3656	1.76E-06	476306	TRUE	3.51E-07
rs7690529	G	A	G	A	0.5256	0.2476	0.0115	0.00749699	FALSE	FALSE	FALSE	ebi-a-GCST90018841	4	9.1E+07	0.1931	476306	0.1998	TRUE	igd	ebi-a-GCST90001394	4	91412392	0.1173	7.72E-06	3656	TRUE	reported	igd	0.00628	23.0951	20.07773366	2	TRUE	0.0054647	3656	3.45E-06	476306	TRUE	1.38E-05
rs8076302	T	C	T	C	-0.1385	-0.0577	0.185	0.243573	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	7.9E+07	0.0527	476306	0.2742	TRUE	igd	ebi-a-GCST90001394	17	79265701	0.03056	6.01E-06	3656	TRUE	reported	igd	0.00578	21.2592	20.53964093	2	TRUE	0.0055897	3656	2.52E-06	476306	TRUE	1.01E-05
rs10111625	G	A	G	A	-0.1169	-0.0393	0.5384	0.793314	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	8E+07	0.0426	476306	0.3559	TRUE	igd	ebi-a-GCST90001395	8	79595404	0.02611	7.72E-06	3657	TRUE	reported	igd	0.00679	24.9964	20.04542547	2	TRUE	0.0054545	3657	1.79E-06	476306	TRUE	1.21E-05
rs10254361	T	G	T	G	0.1333	-0.0753	0.2404	0.19789	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.2E+08	0.0462	476306	0.103	TRUE	igd	ebi-a-GCST90001395	7	119564205	0.02899	4.40E-06	3657	TRUE	reported	igd	0.00649	23.874	21.14286653	2	TRUE	0.0057514	3657	5.58E-06	476306	TRUE	9.28E-06
rs10444793	A	G	A	G	-0.4608	0.0749	0.018	0.0362487	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	4.5E+07	0.0694	476306	0.2804	TRUE	igd	ebi-a-GCST90001395	15	44517689	0.09102	4.35E-07	3657	TRUE	reported	igd	0.00751	27.6439	25.63015771	2	TRUE	0.0069635	3657	2.45E-06	476306	TRUE	7.71E-07
rs113398446	C	A	C	A	0.1793	0.0186	0.1687	0.210506	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.6E+08	0.057	476306	0.744699	TRUE	igd	ebi-a-GCST90001395	6	161871755	0.03256	3.91E-08	3657	TRUE	reported	igd	0.00902	33.2571	30.32436998	2	TRUE	0.0082284	3657	2.24E-07	476306	TRUE	5.07E-08
rs115802369	G	A	G	A	-0.4129	0.0834	0.0175	0.00836388	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	5380890	0.2312	476306	0.718399	TRUE	igd	ebi-a-GCST90001395	6	5380890	0.0922	7.76E-06	3657	TRUE	reported	igd	0.00586	21.5542	20.05524278	2	TRUE	0.0054571	3657	2.73E-07	476306	TRUE	9.64E-06
rs12122084	A	G	A	G	-0.1408	0.0952	0.1916	0.129885	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	1.1E+08	0.0606	476306	0.1165	TRUE	igd	ebi-a-GCST90001395	1	111914431	0.03104	5.94E-06	3657	TRUE	reported	igd	0.00614	22.585	20.57604421	2	TRUE	0.005598	3657	5.18E-06	476306	TRUE	1.20E-05
rs147135384	C	T	C	T	-2.756	0.1028	4.00E-04	0.0153016	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	4E+07	0.2173	476306	0.6363	TRUE	igd	ebi-a-GCST90001395	15	40195637	0.6192	8.78E-06	3657	TRUE	reported	igd	0.00607	22.3361	19.81054991	2	TRUE	0.0053909	3657	4.70E-07	476306	TRUE	1.14E-05
rs148952274	T	C	T	C	-2.911	0.323	4.00E-04	0.00850175	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	3.8E+07	0.2927	476306	0.2698	TRUE	igd	ebi-a-GCST90001395	9	37982527	0.6469	7.01E-06	3657	TRUE	reported	igd	0.00678	24.9368	20.24930438	2	TRUE	0.0055096	3657	2.56E-06	476306	TRUE	1.18E-05
rs1512044	A	G	A	G	0.202	0.0411	0.1084	0.0737917	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.9E+08	0.0859	476306	0.6324	TRUE	igd	ebi-a-GCST90001395	3	188624425	0.03882	2.07E-07	3657	TRUE	reported	igd	0.00789	29.0575	27.0764471	2	TRUE	0.0073536	3657	4.81E-07	476306	TRUE	2.82E-07
rs181771926	A	G	A	G	-0.5276	0.0185	0.0126	0.0111624	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	5.2E+07	0.2137	476306	0.9309	TRUE	igd	ebi-a-GCST90001395	16	52294553	0.1101	1.73E-06	3657	TRUE	reported	igd	0.00693	25.4923	22.96333364	2	TRUE	0.0062435	3657	1.57E-08	476306	TRUE	1.93E-06
rs1959342	T	A	T	A	0.112	-0.0064	0.3589	0.236301	FALSE	TRUE	FALSE	ebi-a-GCST90018841	14	2.1E+07	0.0381	476306	0.8657	TRUE	igd	ebi-a-GCST90001395	14	20673865	0.02529	9.81E-06	3657	TRUE	reported	igd	0.00577	21.2211	19.61274522	2	TRUE	0.0053374	3657	5.92E-08	476306	TRUE	1.12E-05
rs2251199	G	A	G	A	0.1168	-0.0299	0.628	0.66448	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	1.5E+07	0.0355	476306	0.4003	TRUE	igd	ebi-a-GCST90001395	8	14671281	0.02572	5.74E-06	3657	TRUE	reported	igd	0.00637	23.4468	20.62261609	2	TRUE	0.0056106	3657	1.49E-06	476306	TRUE	8.77E-06
rs2621369	T	C	T	C	0.1498	-0.0518	0.2901	0.304492	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.3E+07	0.0323	476306	0.1085	TRUE	igd	ebi-a-GCST90001395	6	32768285	0.03155	2.13E-06	3657	TRUE	reported	igd	0.00924	34.0972	22.54368459	2	TRUE	0.0061301	3657	5.40E-06	476306	TRUE	4.55E-06
rs329966	G	A	G	A	0.1246	0.0193	0.5425	0.613542	FALSE	FALSE	FALSE	ebi-a-GCST90018841	19	5.3E+07	0.0311	476306	0.5342	TRUE	igd	ebi-a-GCST90001395	19	53070617	0.02445	3.63E-07	3657	TRUE	reported	igd	0.00771	28.386	25.9703832	2	TRUE	0.0070553	3657	8.09E-07	476306	TRUE	5.28E-07
rs34843244	T	A	T	A	0.308	-0.2242	0.033	0.020055	FALSE	TRUE	FALSE	ebi-a-GCST90018841	5	9E+07	0.162	476306	0.1665	TRUE	igd	ebi-a-GCST90001395	5	90267368	0.06835	6.81E-06	3657	TRUE	reported	igd	0.00605	22.2637	20.30600062	2	TRUE	0.005525	3657	4.02E-06	476306	TRUE	1.28E-05
rs35050775	T	G	T	G	0.3463	-0.4011	0.0268	0.00807963	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	8003880	0.2749	476306	0.1446	TRUE	igd	ebi-a-GCST90001395	20	8003880	0.07724	7.54E-06	3657	TRUE	reported	igd	0.00626	23.0083	20.1011291	2	TRUE	0.0054695	3657	4.47E-06	476306	TRUE	1.46E-05
rs62502412	T	A	T	A	0.1209	-0.0198	0.2759	0.314775	FALSE	TRUE	FALSE	ebi-a-GCST90018841	8	2.8E+07	0.0318	476306	0.5332	TRUE	igd	ebi-a-GCST90001395	8	28265475	0.02712	8.58E-06	3657	TRUE	reported	igd	0.00584	21.4716	19.87344839	2	TRUE	0.0054079	3657	8.14E-07	476306	TRUE	1.18E-05
rs7012048	C	T	C	T	0.1407	-0.0519	0.1874	0.169333	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	3E+07	0.0388	476306	0.181	TRUE	igd	ebi-a-GCST90001395	8	29631839	0.0311	6.25E-06	3657	TRUE	reported	igd	0.00603	22.1706	20.46762337	2	TRUE	0.0055687	3657	3.76E-06	476306	TRUE	1.16E-05
rs73909843	C	T	C	T	-0.2138	-0.027	0.0764	0.0885748	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	5E+07	0.0544	476306	0.619599	TRUE	igd	ebi-a-GCST90001395	20	49554764	0.04629	4.01E-06	3657	TRUE	reported	igd	0.00645	23.7313	21.33246492	2	TRUE	0.0058026	3657	5.17E-07	476306	TRUE	5.30E-06
rs76376526	T	C	T	C	0.4948	-0.1331	0.0133	0.0177225	FALSE	FALSE	FALSE	ebi-a-GCST90018841	4	1.1E+08	0.1819	476306	0.4644	TRUE	igd	ebi-a-GCST90001395	4	109408667	0.1101	7.21E-06	3657	TRUE	reported	igd	0.00643	23.6381	20.19690134	2	TRUE	0.0054955	3657	1.12E-06	476306	TRUE	1.04E-05
rs77762131	C	G	C	G	0.3388	-0.2045	0.045	0.016218	FALSE	TRUE	FALSE	ebi-a-GCST90018841	14	9.6E+07	0.1723	476306	0.2352	TRUE	igd	ebi-a-GCST90001395	14	96205838	0.05748	4.10E-09	3657	TRUE	reported	igd	0.00987	36.4188	34.74187748	2	TRUE	0.0094158	3657	2.96E-06	476306	TRUE	8.51E-09
rs78009119	G	T	G	T	-0.4914	-0.1087	0.0137	0.00999677	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.4E+08	0.2125	476306	0.6089	TRUE	igd	ebi-a-GCST90001395	5	136421498	0.1063	3.88E-06	3657	TRUE	reported	igd	0.00653	24.0083	21.36996325	2	TRUE	0.0058128	3657	5.49E-07	476306	TRUE	5.23E-06
rs79870102	G	A	G	A	0.9733	0.1901	0.0033	0.0167433	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	6.6E+07	0.1796	476306	0.2897	TRUE	igd	ebi-a-GCST90001395	12	66341509	0.216	6.84E-06	3657	TRUE	reported	igd	0.00623	22.9194	20.30420289	2	TRUE	0.0055245	3657	2.35E-06	476306	TRUE	1.12E-05
rs80032720	A	G	A	G	0.2539	-0.0762	0.0734	0.0427391	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.2E+07	0.0539	476306	0.1579	TRUE	igd	ebi-a-GCST90001395	6	32384933	0.05434	3.09E-06	3657	TRUE	reported	igd	0.00877	32.3338	21.83162855	2	TRUE	0.0059376	3657	4.20E-06	476306	TRUE	6.01E-06
rs111761453	T	G	T	G	0.2453	0.2431	0.0524	0.0342033	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.4E+08	0.1256	476306	0.0528397	TRUE	igd	ebi-a-GCST90001419	7	137173666	0.05506	8.60E-06	3658	TRUE	reported	igd	0.00598	21.9781	19.84827106	2	TRUE	0.0053996	3658	7.87E-06	476306	TRUE	2.00E-05
rs112180455	T	C	T	C	0.3316	0.1023	0.0299	0.0373181	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	2.2E+08	0.119	476306	0.3902	TRUE	igd	ebi-a-GCST90001419	2	221466858	0.07326	6.20E-06	3658	TRUE	reported	igd	0.00638	23.471	20.48779477	2	TRUE	0.0055727	3658	1.55E-06	476306	TRUE	9.46E-06
rs118084343	G	A	G	A	-0.2663	0.0676	0.0547	0.0189914	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.8E+07	0.1759	476306	0.701	TRUE	igd	ebi-a-GCST90001419	11	17687837	0.0544	1.03E-06	3658	TRUE	reported	igd	0.00733	27.0105	23.96318461	2	TRUE	0.0065118	3658	3.10E-07	476306	TRUE	1.32E-06
rs140134875	A	C	A	C	-1.694	0.0542	0.0011	0.0212209	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	8E+07	0.1639	476306	0.7406	TRUE	igd	ebi-a-GCST90001419	15	80306120	0.3528	1.64E-06	3658	TRUE	reported	igd	0.00631	23.202	23.05524061	2	TRUE	0.0062666	3658	2.30E-07	476306	TRUE	2.05E-06
rs187723151	A	G	A	G	-0.9447	-0.335	0.004	0.00567577	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	2.4E+08	0.3111	476306	0.2815	TRUE	igd	ebi-a-GCST90001419	1	242186219	0.1934	1.08E-06	3658	TRUE	reported	igd	0.00711	26.1844	23.86024459	2	TRUE	0.006484	3658	2.43E-06	476306	TRUE	1.88E-06
rs2107459	A	C	A	C	0.2021	0.0588	0.0853	0.145174	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	7.4E+07	0.0365	476306	0.1077	TRUE	igd	ebi-a-GCST90001419	16	74140113	0.04383	4.18E-06	3658	TRUE	reported	igd	0.00637	23.4517	21.26129365	2	TRUE	0.0057818	3658	5.45E-06	476306	TRUE	8.68E-06
rs316122	C	G	C	G	0.2993	-0.0505	0.0372	0.0749778	FALSE	TRUE	FALSE	ebi-a-GCST90018841	5	9.3E+07	0.0656	476306	0.4414	TRUE	igd	ebi-a-GCST90001419	5	93014071	0.06479	3.97E-06	3658	TRUE	reported	igd	0.00642	23.6115	21.3401503	2	TRUE	0.0058031	3658	1.24E-06	476306	TRUE	5.91E-06
rs3885787	C	A	C	A	0.2407	-0.0392	0.9422	0.903059	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	9.2E+07	0.0425	476306	0.3563	TRUE	igd	ebi-a-GCST90001419	12	92375948	0.05303	5.84E-06	3658	TRUE	reported	igd	0.00631	23.2171	20.60197834	2	TRUE	0.0056035	3658	1.79E-06	476306	TRUE	9.15E-06
rs4244568	G	T	G	T	-0.1233	-0.0348	0.3414	0.447709	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	3.9E+07	0.0305	476306	0.2537	TRUE	igd	ebi-a-GCST90001419	15	39319915	0.02622	2.67E-06	3658	TRUE	reported	igd	0.00684	25.1667	22.11366766	2	TRUE	0.0060122	3658	2.73E-06	476306	TRUE	4.66E-06
rs4889373	G	A	G	A	-0.1372	0.0468	0.7989	0.822577	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	8.2E+07	0.0489	476306	0.3388	TRUE	igd	ebi-a-GCST90001419	16	81747602	0.03051	7.06E-06	3658	TRUE	reported	igd	0.00605	22.2476	20.2219861	2	TRUE	0.0055008	3658	1.92E-06	476306	TRUE	1.13E-05
rs57840701	C	A	C	A	0.4562	0.076	0.015	0.124002	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	4.7E+07	0.0389	476306	0.0509601	TRUE	igd	ebi-a-GCST90001419	20	46686437	0.1004	5.65E-06	3658	TRUE	reported	igd	0.00615	22.6232	20.64634292	2	TRUE	0.0056155	3658	8.01E-06	476306	TRUE	1.35E-05
rs58352426	A	G	A	G	0.1401	-0.0422	0.2246	0.203792	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.5E+08	0.0378	476306	0.2643	TRUE	igd	ebi-a-GCST90001419	3	154090291	0.02947	2.08E-06	3658	TRUE	reported	igd	0.00684	25.1668	22.6003934	2	TRUE	0.0061437	3658	2.62E-06	476306	TRUE	3.61E-06
rs7265879	G	C	G	C	-0.2182	-0.0186	0.0778	0.060842	FALSE	TRUE	FALSE	ebi-a-GCST90018841	20	6103341	0.0631	476306	0.7678	TRUE	igd	ebi-a-GCST90001419	20	6103341	0.04616	2.36E-06	3658	TRUE	reported	igd	0.00683	25.1494	22.34487308	2	TRUE	0.0060747	3658	1.82E-07	476306	TRUE	2.90E-06
rs74786971	C	G	C	G	0.2235	-0.0204	0.0645	0.0745383	FALSE	TRUE	FALSE	ebi-a-GCST90018841	4	9.1E+07	0.0861	476306	0.813	TRUE	igd	ebi-a-GCST90001419	4	90909176	0.04952	6.61E-06	3658	TRUE	reported	igd	0.00603	22.1728	20.37012917	2	TRUE	0.0055408	3658	1.18E-07	476306	TRUE	7.80E-06
rs75368642	T	C	T	C	0.2118	0.1807	0.073	0.0696173	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.5E+08	0.0609	476306	0.002986	TRUE	igd	ebi-a-GCST90001419	7	150969808	0.04687	6.42E-06	3658	TRUE	reported	igd	0.00607	22.3324	20.42029466	2	TRUE	0.0055544	3658	1.85E-05	476306	TRUE	2.26E-05
rs75951284	T	C	T	C	0.3083	0.1656	0.0316	0.0307295	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.9E+08	0.1048	476306	0.1143	TRUE	igd	ebi-a-GCST90001419	3	187638796	0.06752	5.11E-06	3658	TRUE	reported	igd	0.00582	21.3924	20.84885372	2	TRUE	0.0056703	3658	5.24E-06	476306	TRUE	1.05E-05
rs7875273	C	T	C	T	0.1137	0.0302	0.3779	0.409882	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	9023522	0.0305	476306	0.3226	TRUE	igd	ebi-a-GCST90001419	9	9023522	0.02506	5.83E-06	3658	TRUE	reported	igd	0.00608	22.3585	20.58537563	2	TRUE	0.005599	3658	2.06E-06	476306	TRUE	9.49E-06
rs9270911	T	C	T	C	0.1364	0.052	0.6083	0.525361	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.3E+07	0.0298	476306	0.0806195	TRUE	igd	ebi-a-GCST90001419	6	32572202	0.02871	2.10E-06	3658	TRUE	reported	igd	0.00887	32.7042	22.57160053	2	TRUE	0.006136	3658	6.39E-06	476306	TRUE	4.76E-06
rs9477367	C	T	C	T	-0.1917	-0.0037	0.9097	0.826639	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.7E+07	0.0357	476306	0.9169	TRUE	igd	ebi-a-GCST90001419	6	17249496	0.04273	7.46E-06	3658	TRUE	reported	igd	0.00604	22.2073	20.12697189	2	TRUE	0.005475	3658	2.26E-08	476306	TRUE	8.37E-06
rs10444793	A	G	A	G	-0.4323	0.0749	0.0181	0.0362487	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	4.5E+07	0.0694	476306	0.2804	TRUE	igd	ebi-a-GCST90001431	15	44517689	0.09225	2.89E-06	3656	TRUE	reported	igd	0.00664	24.4348	21.96027232	2	TRUE	0.005974	3656	2.45E-06	476306	TRUE	4.90E-06
rs112782756	G	A	G	A	3.09	-0.1946	3.00E-04	0.0145271	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	3.5E+07	0.1129	476306	0.0849005	TRUE	igd	ebi-a-GCST90001431	13	34506073	0.683	6.25E-06	3656	TRUE	reported	igd	0.00573	21.0475	20.46800675	2	TRUE	0.0055703	3656	6.24E-06	476306	TRUE	1.35E-05
rs12146653	C	T	C	T	0.1892	0.012	0.0964	0.144669	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	2.1E+07	0.0428	476306	0.778599	TRUE	igd	ebi-a-GCST90001431	11	21411891	0.04126	4.66E-06	3656	TRUE	reported	igd	0.00624	22.9304	21.02731481	2	TRUE	0.0057217	3656	1.65E-07	476306	TRUE	5.66E-06
rs12197754	C	T	C	T	-0.1427	-0.0127	0.2014	0.289722	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.3E+08	0.0316	476306	0.687	TRUE	igd	ebi-a-GCST90001431	6	130521070	0.03115	4.75E-06	3656	TRUE	reported	igd	0.00655	24.0929	20.98610514	2	TRUE	0.0057105	3656	3.39E-07	476306	TRUE	6.08E-06
rs12763172	C	T	C	T	0.1272	-0.0172	0.7213	0.543873	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	8.5E+07	0.0296	476306	0.5616	TRUE	igd	ebi-a-GCST90001431	10	85447519	0.02784	5.05E-06	3656	TRUE	reported	igd	0.00651	23.9254	20.8754459	2	TRUE	0.0056806	3656	7.09E-07	476306	TRUE	6.93E-06
rs12829274	G	A	G	A	-0.2515	-0.0697	0.0618	0.0666811	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.3E+08	0.0913	476306	0.4453	TRUE	igd	ebi-a-GCST90001431	12	129349167	0.05194	1.34E-06	3656	TRUE	reported	igd	0.00733	26.9995	23.44617964	2	TRUE	0.0063757	3656	1.22E-06	476306	TRUE	2.02E-06
rs12874404	G	A	G	A	0.1714	0.1404	0.3256	0.0481033	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	1.1E+08	0.1025	476306	0.1704	TRUE	igd	ebi-a-GCST90001431	13	108993494	0.02663	1.39E-10	3656	TRUE	reported	igd	0.0129	47.7597	41.42660108	2	TRUE	0.0112102	3656	3.94E-06	476306	TRUE	3.40E-10
rs144625305	T	C	T	C	0.6141	0.0209	0.0086	0.0120017	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	7871676	0.2243	476306	0.9258	TRUE	igd	ebi-a-GCST90001431	7	7871676	0.1364	6.90E-06	3656	TRUE	reported	igd	0.00643	23.6497	20.26979956	2	TRUE	0.0055167	3656	1.82E-08	476306	TRUE	7.74E-06
rs149701635	G	C	G	C	-0.3548	-0.0138	0.0263	0.0194996	FALSE	TRUE	FALSE	ebi-a-GCST90018841	3	4.5E+07	0.156	476306	0.9296	TRUE	igd	ebi-a-GCST90001431	3	44741083	0.07767	5.08E-06	3656	TRUE	reported	igd	0.00645	23.7113	20.86702863	2	TRUE	0.0056783	3656	1.64E-08	476306	TRUE	5.68E-06
rs149731447	T	C	T	C	-0.9621	0.0719	0.0036	0.0167592	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	5.3E+07	0.1697	476306	0.671901	TRUE	igd	ebi-a-GCST90001431	14	52536948	0.2156	8.36E-06	3656	TRUE	reported	igd	0.00664	24.4269	19.91328531	2	TRUE	0.0054202	3656	3.77E-07	476306	TRUE	1.06E-05
rs2003291	T	C	T	C	-0.1589	0.0798	0.1413	0.218598	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	2.2E+07	0.0564	476306	0.1572	TRUE	igd	ebi-a-GCST90001431	13	21566923	0.0357	8.77E-06	3656	TRUE	reported	igd	0.00613	22.5268	19.81122645	2	TRUE	0.0053926	3656	4.20E-06	476306	TRUE	1.66E-05
rs35088452	A	C	A	C	-0.1352	0.0541	0.7471	0.626223	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	8847483	0.0315	476306	0.0863396	TRUE	igd	ebi-a-GCST90001431	3	8847483	0.02849	2.16E-06	3656	TRUE	reported	igd	0.00691	25.415	22.52000511	2	TRUE	0.0061254	3656	6.19E-06	476306	TRUE	4.83E-06
rs3730631	C	T	C	T	-0.1789	0.1369	0.1288	0.0378283	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	6.9E+07	0.1255	476306	0.2754	TRUE	igd	ebi-a-GCST90001431	12	69228178	0.03729	1.66E-06	3656	TRUE	reported	igd	0.00718	26.4353	23.01632145	2	TRUE	0.0062595	3656	2.50E-06	476306	TRUE	2.89E-06
rs62235484	A	G	A	G	0.4662	-0.013	0.0175	0.0918796	FALSE	FALSE	FALSE	ebi-a-GCST90018841	21	4.1E+07	0.0423	476306	0.759401	TRUE	igd	ebi-a-GCST90001431	21	41083050	0.09386	7.14E-07	3656	TRUE	reported	igd	0.00747	27.5151	24.6708117	2	TRUE	0.0067064	3656	1.98E-07	476306	TRUE	8.88E-07
rs6895553	C	T	C	T	-0.199	-0.01	0.0946	0.0772064	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.1E+08	0.0494	476306	0.839	TRUE	igd	ebi-a-GCST90001431	5	114821667	0.04272	3.30E-06	3656	TRUE	reported	igd	0.00678	24.957	21.69919711	2	TRUE	0.0059034	3656	8.60E-08	476306	TRUE	3.88E-06
rs72706301	A	G	A	G	0.448	-0.1774	0.0179	0.0223971	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	9.5E+07	0.1471	476306	0.2277	TRUE	igd	ebi-a-GCST90001431	14	94852219	0.09406	1.98E-06	3656	TRUE	reported	igd	0.00706	25.968	22.68538108	2	TRUE	0.0061701	3656	3.05E-06	476306	TRUE	3.59E-06
rs77055472	A	T	A	T	-0.2682	-0.0504	0.0495	0.0318743	FALSE	TRUE	FALSE	ebi-a-GCST90018841	5	1.6E+08	0.1242	476306	0.6849	TRUE	igd	ebi-a-GCST90001431	5	157655991	0.05762	3.36E-06	3656	TRUE	reported	igd	0.00677	24.9014	21.66561588	2	TRUE	0.0058943	3656	3.46E-07	476306	TRUE	4.30E-06
rs77762131	C	G	C	G	0.3532	-0.2045	0.045	0.016218	FALSE	TRUE	FALSE	ebi-a-GCST90018841	14	9.6E+07	0.1723	476306	0.2352	TRUE	igd	ebi-a-GCST90001431	14	96205838	0.058	1.25E-09	3656	TRUE	reported	igd	0.01072	39.6039	37.08390012	2	TRUE	0.0100469	3656	2.96E-06	476306	TRUE	2.65E-09
rs78007261	T	C	T	C	-0.3003	-0.0734	0.0379	0.0111348	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	4.6E+07	0.2096	476306	0.726099	TRUE	igd	ebi-a-GCST90001431	22	45666517	0.06556	4.81E-06	3656	TRUE	reported	igd	0.00658	24.1899	20.98131841	2	TRUE	0.0057092	3656	2.57E-06	476306	TRUE	5.97E-06
rs78009119	G	T	G	T	-0.5085	-0.1087	0.0137	0.00999677	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.4E+08	0.2125	476306	0.6089	TRUE	igd	ebi-a-GCST90001431	5	136421498	0.1078	2.50E-06	3656	TRUE	reported	igd	0.00699	25.7132	22.25073661	2	TRUE	0.0060526	3656	5.49E-07	476306	TRUE	3.33E-06
rs10119513	A	G	A	G	0.3622	0.0232	0.9784	0.936086	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	1.7E+07	0.0483	476306	0.6317	TRUE	igd	ebi-a-GCST90001432	9	16899526	0.08185	9.91E-06	3656	TRUE	reported	igd	0.00554	20.3742	19.58211174	2	TRUE	0.0053305	3656	4.84E-07	476306	TRUE	1.29E-05
rs10840410	C	T	C	T	-0.1182	-0.0747	0.3087	0.210821	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1E+07	0.0467	476306	0.1097	TRUE	igd	ebi-a-GCST90001432	11	10437096	0.02642	7.88E-06	3656	TRUE	reported	igd	0.00596	21.9197	20.01563287	2	TRUE	0.0054479	3656	5.37E-06	476306	TRUE	1.61E-05
rs10894530	A	C	A	C	-0.1638	-0.0351	0.1296	0.277202	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.3E+08	0.0324	476306	0.2795	TRUE	igd	ebi-a-GCST90001432	11	132159459	0.03684	9.00E-06	3656	TRUE	reported	igd	0.00605	22.2529	19.76917527	2	TRUE	0.0053812	3656	2.46E-06	476306	TRUE	1.49E-05
rs112135308	G	C	G	C	0.416	-0.0704	0.0174	0.0381763	FALSE	TRUE	FALSE	ebi-a-GCST90018841	16	8.7E+07	0.1275	476306	0.581	TRUE	igd	ebi-a-GCST90001432	16	86794463	0.08833	2.57E-06	3656	TRUE	reported	igd	0.00592	21.7515	22.18044221	2	TRUE	0.0060336	3656	6.40E-07	476306	TRUE	3.52E-06
rs11657759	C	A	C	A	-0.1271	-0.016	0.4903	0.419382	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	2715961	0.0317	476306	0.6133	TRUE	igd	ebi-a-GCST90001432	17	2715961	0.02394	1.16E-07	3656	TRUE	reported	igd	0.00807	29.7432	28.18660757	2	TRUE	0.0076549	3656	5.35E-07	476306	TRUE	1.63E-07
rs11794578	G	T	G	T	0.1189	0.0468	0.4521	0.57347	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	808529	0.0309	476306	0.1295	TRUE	igd	ebi-a-GCST90001432	9	808529	0.02437	1.12E-06	3656	TRUE	reported	igd	0.007	25.7721	23.8041485	2	TRUE	0.0064724	3656	4.82E-06	476306	TRUE	2.33E-06
rs12829274	G	A	G	A	-0.2536	-0.0697	0.0618	0.0666811	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.3E+08	0.0913	476306	0.4453	TRUE	igd	ebi-a-GCST90001432	12	129349167	0.0511	7.31E-07	3656	TRUE	reported	igd	0.00746	27.4557	24.62956254	2	TRUE	0.0066953	3656	1.22E-06	476306	TRUE	1.11E-06
rs12874404	G	A	G	A	0.1827	0.1404	0.3256	0.0481033	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	1.1E+08	0.1025	476306	0.1704	TRUE	igd	ebi-a-GCST90001432	13	108993494	0.02625	4.02E-12	3656	TRUE	reported	igd	0.01466	54.3615	48.4416	2	TRUE	0.0130837	3656	3.94E-06	476306	TRUE	1.06E-11
rs141247883	G	A	G	A	-0.3185	-0.0125	0.0319	0.00296897	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	1.4E+08	0.4129	476306	0.9759	TRUE	igd	ebi-a-GCST90001432	8	144986071	0.06842	3.35E-06	3656	TRUE	reported	igd	0.00627	23.0387	21.66969175	2	TRUE	0.0058954	3656	1.92E-09	476306	TRUE	3.67E-06
rs143553941	C	G	C	G	0.501	0.034	0.013	0.024659	FALSE	TRUE	FALSE	ebi-a-GCST90018841	12	1.1E+08	0.0841	476306	0.686099	TRUE	igd	ebi-a-GCST90001432	12	109368119	0.107	2.96E-06	3656	TRUE	reported	igd	0.00644	23.6887	21.92339942	2	TRUE	0.0059641	3656	3.43E-07	476306	TRUE	3.77E-06
rs144625305	T	C	T	C	0.5993	0.0209	0.0086	0.0120017	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	7871676	0.2243	476306	0.9258	TRUE	igd	ebi-a-GCST90001432	7	7871676	0.1343	8.30E-06	3656	TRUE	reported	igd	0.00612	22.5166	19.91299249	2	TRUE	0.0054201	3656	1.82E-08	476306	TRUE	9.31E-06
rs2956955	C	T	C	T	-0.3254	0.2641	0.9661	0.985993	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	1552537	0.1821	476306	0.147	TRUE	igd	ebi-a-GCST90001432	8	1552537	0.06746	1.47E-06	3656	TRUE	reported	igd	0.00694	25.5198	23.26710895	2	TRUE	0.0063273	3656	4.42E-06	476306	TRUE	2.97E-06
rs55712190	T	C	T	C	0.2264	-0.0051	0.074	0.186323	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	2.3E+07	0.0616	476306	0.9344	TRUE	igd	ebi-a-GCST90001432	22	22613458	0.04694	1.47E-06	3656	TRUE	reported	igd	0.00702	25.8497	23.26305109	2	TRUE	0.0063262	3656	1.44E-08	476306	TRUE	1.65E-06
rs557577736	G	A	G	A	1.799	0.2246	0.001	0.0103576	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	4.6E+07	0.2366	476306	0.3424	TRUE	igd	ebi-a-GCST90001432	13	46224092	0.3838	2.86E-06	3656	TRUE	reported	igd	0.00647	23.7817	21.9711296	2	TRUE	0.005977	3656	1.89E-06	476306	TRUE	4.62E-06
rs56326639	G	A	G	A	0.1461	0.1459	0.1761	0.103292	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	3.3E+07	0.0791	476306	0.0652394	TRUE	igd	ebi-a-GCST90001432	3	32512523	0.0323	6.30E-06	3656	TRUE	reported	igd	0.00619	22.7736	20.45951749	2	TRUE	0.005568	3656	7.14E-06	476306	TRUE	1.42E-05
rs57757402	G	A	G	A	-0.1601	-0.0733	0.1435	0.190391	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	3.7E+07	0.0368	476306	0.04655	TRUE	igd	ebi-a-GCST90001432	9	37390411	0.03523	5.68E-06	3656	TRUE	reported	igd	0.0063	23.1689	20.65177465	2	TRUE	0.0056201	3656	8.33E-06	476306	TRUE	1.37E-05
rs6032660	A	G	A	G	-0.1525	0.0081	0.6359	0.714226	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	4.5E+07	0.0318	476306	0.7992	TRUE	igd	ebi-a-GCST90001432	20	44730245	0.02629	7.20E-09	3656	TRUE	reported	igd	0.01077	39.7787	33.64794265	2	TRUE	0.0091245	3656	1.36E-07	476306	TRUE	9.10E-09
rs6557137	T	C	T	C	-0.1494	0.0288	0.1838	0.247238	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.5E+08	0.0335	476306	0.3908	TRUE	igd	ebi-a-GCST90001432	6	150197022	0.03221	3.62E-06	3656	TRUE	reported	igd	0.0067	24.6354	21.51392971	2	TRUE	0.0058533	3656	1.55E-06	476306	TRUE	5.61E-06
rs7254039	A	G	A	G	-0.2695	-0.0741	0.0435	0.0548576	FALSE	FALSE	FALSE	ebi-a-GCST90018841	19	1.5E+07	0.0615	476306	0.2286	TRUE	igd	ebi-a-GCST90001432	19	14993354	0.05778	3.21E-06	3656	TRUE	reported	igd	0.00604	22.2189	21.75516913	2	TRUE	0.0059186	3656	3.05E-06	476306	TRUE	5.73E-06
rs73192651	T	C	T	C	0.5455	0.007	0.02	0.0358895	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	5E+07	0.0609	476306	0.9084	TRUE	igd	ebi-a-GCST90001432	13	50212885	0.08807	6.54E-10	3656	TRUE	reported	igd	0.01166	43.1261	38.36485112	2	TRUE	0.0103903	3656	2.77E-08	476306	TRUE	7.81E-10
rs75766272	T	C	T	C	-0.3961	-0.2175	0.0201	0.0395202	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	8009985	0.1335	476306	0.1033	TRUE	igd	ebi-a-GCST90001432	1	8009985	0.08527	3.52E-06	3656	TRUE	reported	igd	0.00618	22.7237	21.57829663	2	TRUE	0.0058707	3656	5.57E-06	476306	TRUE	7.46E-06
rs76762356	G	A	G	A	-0.3702	0.0118	0.0228	0.0804468	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	1E+07	0.061	476306	0.8472	TRUE	igd	ebi-a-GCST90001432	20	10454080	0.08274	7.92E-06	3656	TRUE	reported	igd	0.00611	22.4517	20.01897309	2	TRUE	0.0054488	3656	7.86E-08	476306	TRUE	9.18E-06
rs77762131	C	G	C	G	0.3287	-0.2045	0.045	0.016218	FALSE	TRUE	FALSE	ebi-a-GCST90018841	14	9.6E+07	0.1723	476306	0.2352	TRUE	igd	ebi-a-GCST90001432	14	96205838	0.05701	8.75E-09	3656	TRUE	reported	igd	0.00929	34.2504	33.24277929	2	TRUE	0.0090156	3656	2.96E-06	476306	TRUE	1.80E-08
rs8014978	C	T	C	T	-0.1203	-0.0465	0.5737	0.42464	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	9.5E+07	0.03	476306	0.1211	TRUE	igd	ebi-a-GCST90001432	14	94936964	0.02463	1.08E-06	3656	TRUE	reported	igd	0.00708	26.0504	23.85626394	2	TRUE	0.0064865	3656	5.04E-06	476306	TRUE	2.31E-06
rs11662133	C	T	C	T	0.1453	-0.0064	0.1705	0.264874	FALSE	FALSE	FALSE	ebi-a-GCST90018841	18	7.4E+07	0.0357	476306	0.857	TRUE	igd	ebi-a-GCST90001443	18	74434633	0.03219	6.52E-06	3657	TRUE	reported	igd	0.00597	21.9579	20.37460863	2	TRUE	0.0055435	3657	6.75E-08	476306	TRUE	7.60E-06
rs12432015	C	T	C	T	-0.1712	-0.0479	0.118	0.11524	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	4.9E+07	0.0533	476306	0.3681	TRUE	igd	ebi-a-GCST90001443	14	49052782	0.0373	4.57E-06	3657	TRUE	reported	igd	0.0061	22.4354	21.06637725	2	TRUE	0.0057307	3657	1.70E-06	476306	TRUE	7.16E-06
rs13244540	T	G	T	G	0.2658	-0.0907	0.0447	0.0727511	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.5E+08	0.0888	476306	0.3073	TRUE	igd	ebi-a-GCST90001443	7	151002534	0.0588	6.38E-06	3657	TRUE	reported	igd	0.00603	22.1872	20.43408996	2	TRUE	0.0055596	3657	2.19E-06	476306	TRUE	1.04E-05
rs147937648	T	C	T	C	-0.7403	0.0103	0.0059	0.0116568	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	8.2E+07	0.206	476306	0.9603	TRUE	igd	ebi-a-GCST90001443	12	82008771	0.1583	3.02E-06	3657	TRUE	reported	igd	0.00643	23.6492	21.87024605	2	TRUE	0.0059481	3657	5.25E-09	476306	TRUE	3.33E-06
rs186229706	T	G	T	G	0.4826	-0.0354	0.0142	0.0278469	FALSE	FALSE	FALSE	ebi-a-GCST90018841	4	2029089	0.1492	476306	0.8126	TRUE	igd	ebi-a-GCST90001443	4	2029089	0.1045	3.97E-06	3657	TRUE	reported	igd	0.00652	23.9889	21.32760331	2	TRUE	0.0058013	3657	1.18E-07	476306	TRUE	4.77E-06
rs186355283	T	C	T	C	0.6312	0.1209	0.0077	0.0189092	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	4.7E+07	0.1389	476306	0.3842	TRUE	igd	ebi-a-GCST90001443	20	46615708	0.1414	8.27E-06	3657	TRUE	reported	igd	0.00609	22.3891	19.92668986	2	TRUE	0.0054223	3657	1.59E-06	476306	TRUE	1.26E-05
rs34313582	A	C	A	C	-0.1598	-0.0393	0.138	0.133863	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	8.5E+07	0.0441	476306	0.3732	TRUE	igd	ebi-a-GCST90001443	8	84919811	0.03507	5.40E-06	3657	TRUE	reported	igd	0.00608	22.3411	20.76261343	2	TRUE	0.0056485	3657	1.67E-06	476306	TRUE	8.33E-06
rs34625183	T	C	T	C	-0.1695	0.1617	0.1154	0.0784638	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.5E+08	0.0847	476306	0.0560402	TRUE	igd	ebi-a-GCST90001443	3	146097919	0.03789	7.91E-06	3657	TRUE	reported	igd	0.00587	21.5657	20.01198619	2	TRUE	0.0054454	3657	7.65E-06	476306	TRUE	1.83E-05
rs38201	A	T	A	T	-0.1242	-0.0422	0.2594	0.254069	FALSE	TRUE	FALSE	ebi-a-GCST90018841	7	1.6E+07	0.0329	476306	0.1994	TRUE	igd	ebi-a-GCST90001443	7	15911408	0.02794	8.97E-06	3657	TRUE	reported	igd	0.00593	21.7919	19.76015688	2	TRUE	0.0053773	3657	3.45E-06	476306	TRUE	1.62E-05
rs4244568	G	T	G	T	-0.1244	-0.0348	0.3414	0.447709	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	3.9E+07	0.0305	476306	0.2537	TRUE	igd	ebi-a-GCST90001443	15	39319915	0.02611	1.99E-06	3657	TRUE	reported	igd	0.00696	25.6139	22.70006062	2	TRUE	0.0061724	3657	2.73E-06	476306	TRUE	3.46E-06
rs4647601	A	C	A	C	0.1097	-0.0056	0.4584	0.40235	FALSE	FALSE	FALSE	ebi-a-GCST90018841	4	1.9E+08	0.0357	476306	0.8762	TRUE	igd	ebi-a-GCST90001443	4	185570032	0.02451	7.83E-06	3657	TRUE	reported	igd	0.00598	21.9714	20.03210706	2	TRUE	0.0054509	3657	5.17E-08	476306	TRUE	8.98E-06
rs4782702	G	A	G	A	0.4085	0.0441	0.9802	0.923781	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	8.5E+07	0.0471	476306	0.3491	TRUE	igd	ebi-a-GCST90001443	16	85477299	0.0875	3.15E-06	3657	TRUE	reported	igd	0.00648	23.8289	21.79555918	2	TRUE	0.0059279	3657	1.84E-06	476306	TRUE	5.02E-06
rs6712095	T	G	T	G	0.3643	0.0678	0.0246	0.0221345	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	2.1E+08	0.1056	476306	0.5211	TRUE	igd	ebi-a-GCST90001443	2	205623497	0.07946	4.71E-06	3657	TRUE	reported	igd	0.00637	23.4276	21.01944386	2	TRUE	0.005718	3657	8.65E-07	476306	TRUE	6.60E-06
rs72791978	T	A	T	A	0.5621	0.2369	0.01	0.00741486	FALSE	TRUE	FALSE	ebi-a-GCST90018841	5	1.1E+08	0.2614	476306	0.3649	TRUE	igd	ebi-a-GCST90001443	5	108070072	0.1256	7.85E-06	3657	TRUE	reported	igd	0.00626	23.0094	20.02847542	2	TRUE	0.0054499	3657	1.72E-06	476306	TRUE	1.22E-05
rs72825207	A	T	A	T	0.513	0.2697	0.0149	0.0194918	FALSE	TRUE	FALSE	ebi-a-GCST90018841	10	6.3E+07	0.1603	476306	0.0924294	TRUE	igd	ebi-a-GCST90001443	10	62909955	0.1061	1.38E-06	3657	TRUE	reported	igd	0.00773	28.4569	23.37781742	2	TRUE	0.0063555	3657	5.94E-06	476306	TRUE	3.10E-06
rs75951284	T	C	T	C	0.3067	0.1656	0.0316	0.0307295	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.9E+08	0.1048	476306	0.1143	TRUE	igd	ebi-a-GCST90001443	3	187638796	0.06772	6.12E-06	3657	TRUE	reported	igd	0.00576	21.1638	20.51132203	2	TRUE	0.0055805	3657	5.24E-06	476306	TRUE	1.25E-05
rs77553819	C	G	C	G	-0.1257	0.018	0.2863	0.251279	FALSE	TRUE	FALSE	ebi-a-GCST90018841	13	2.5E+07	0.0326	476306	0.5806	TRUE	igd	ebi-a-GCST90001443	13	24882401	0.02688	3.00E-06	3657	TRUE	reported	igd	0.00646	23.7541	21.86814912	2	TRUE	0.0059475	3657	6.40E-07	476306	TRUE	4.12E-06
rs7773849	G	A	G	A	1.534	0.095	0.0018	0.117848	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.3E+08	0.0394	476306	0.0159199	TRUE	igd	ebi-a-GCST90001443	6	128553518	0.2821	5.81E-08	3657	TRUE	reported	igd	0.00846	31.1707	29.56953853	2	TRUE	0.0080252	3657	1.22E-05	476306	TRUE	2.01E-07
rs9273241	T	C	T	C	0.179	0.0576	0.5975	0.582546	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.3E+07	0.0308	476306	0.0612604	TRUE	igd	ebi-a-GCST90001443	6	32614025	0.0341	1.61E-07	3657	TRUE	reported	igd	0.01541	57.2101	27.55480259	2	TRUE	0.0074825	3657	7.34E-06	476306	TRUE	4.22E-07
rs10759491	T	C	T	C	-0.1197	0.023	0.4032	0.353839	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	1.1E+08	0.0321	476306	0.4732	TRUE	igd	ebi-a-GCST90001454	9	113852341	0.02688	8.75E-06	3018	TRUE	reported	igd	0.0069	20.9413	19.83032227	2	TRUE	0.0065321	3018	1.08E-06	476306	TRUE	1.20E-05
rs10887149	A	G	A	G	0.1276	-0.0764	0.3101	0.243964	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	1.2E+08	0.0428	476306	0.0746294	TRUE	igd	ebi-a-GCST90001454	10	124167004	0.02858	8.36E-06	3018	TRUE	reported	igd	0.00697	21.1586	19.93319429	2	TRUE	0.0065658	3018	6.69E-06	476306	TRUE	1.68E-05
rs10948829	G	A	G	A	-0.2094	-0.0815	0.0911	0.0502073	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	5.4E+07	0.0722	476306	0.2589	TRUE	igd	ebi-a-GCST90001454	6	54476928	0.0463	6.35E-06	3018	TRUE	reported	igd	0.00726	22.0604	20.45461797	2	TRUE	0.0067363	3018	2.68E-06	476306	TRUE	1.02E-05
rs10980077	A	G	A	G	-0.1284	0.0127	0.3118	0.309033	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	1.1E+08	0.0365	476306	0.727301	TRUE	igd	ebi-a-GCST90001454	9	112600304	0.0283	5.90E-06	3018	TRUE	reported	igd	0.00708	21.4915	20.58529886	2	TRUE	0.0067791	3018	2.54E-07	476306	TRUE	7.14E-06
rs111224423	G	C	G	C	-0.2927	0.267	0.0409	0.0581892	FALSE	TRUE	FALSE	ebi-a-GCST90018841	4	1531162	0.0967	476306	0.00576302	TRUE	igd	ebi-a-GCST90001454	4	1531162	0.06581	8.98E-06	3018	TRUE	reported	igd	0.00672	20.4091	19.78161127	2	TRUE	0.0065162	3018	1.60E-05	476306	TRUE	2.56E-05
rs115431394	C	A	C	A	0.5986	-0.0644	0.0096	0.0256601	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1641354	0.1419	476306	0.649901	TRUE	igd	ebi-a-GCST90001454	3	1641354	0.134	8.27E-06	3018	TRUE	reported	igd	0.00681	20.6912	19.9555558	2	TRUE	0.0065731	3018	4.32E-07	476306	TRUE	1.03E-05
rs117545845	T	C	T	C	0.1995	-0.0114	0.1209	0.0905023	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	2.6E+07	0.0574	476306	0.8422	TRUE	igd	ebi-a-GCST90001454	22	25622885	0.03962	5.05E-07	3018	TRUE	reported	igd	0.00846	25.7337	25.3546055	2	TRUE	0.0083366	3018	8.28E-08	476306	TRUE	5.86E-07
rs1320172	T	C	T	C	0.1401	-0.0229	0.2179	0.404704	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	6.2E+07	0.0299	476306	0.4437	TRUE	igd	ebi-a-GCST90001454	3	61569753	0.03165	9.92E-06	3018	TRUE	reported	igd	0.00669	20.3129	19.59425889	2	TRUE	0.0064548	3018	1.23E-06	476306	TRUE	1.38E-05
rs139554006	A	G	A	G	0.3934	-0.3735	0.0255	0.0141329	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	5.4E+07	0.2063	476306	0.0701601	TRUE	igd	ebi-a-GCST90001454	14	53831558	0.08287	2.17E-06	3018	TRUE	reported	igd	0.00769	23.3779	22.53585468	2	TRUE	0.0074167	3018	6.88E-06	476306	TRUE	4.61E-06
rs144348353	T	G	T	G	0.3569	-0.0232	0.0295	0.0115945	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	8.8E+07	0.2068	476306	0.9108	TRUE	igd	ebi-a-GCST90001454	15	88341038	0.07891	6.31E-06	3018	TRUE	reported	igd	0.00729	22.1591	20.45639067	2	TRUE	0.0067369	3018	2.64E-08	476306	TRUE	6.99E-06
rs148420500	A	G	A	G	-0.4212	-0.0972	0.0209	0.0309838	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	7.6E+07	0.126	476306	0.4404	TRUE	igd	ebi-a-GCST90001454	13	76034172	0.08981	2.86E-06	3018	TRUE	reported	igd	0.00726	22.0585	21.99517047	2	TRUE	0.00724	3018	1.25E-06	476306	TRUE	4.08E-06
rs2240899	C	G	C	G	-0.1231	-0.0116	0.6678	0.613411	FALSE	TRUE	FALSE	ebi-a-GCST90018841	18	3595011	0.0312	476306	0.7092	TRUE	igd	ebi-a-GCST90001454	18	3595011	0.02767	8.89E-06	3018	TRUE	reported	igd	0.00672	20.4152	19.79236938	2	TRUE	0.0065197	3018	2.90E-07	476306	TRUE	1.08E-05
rs28680389	A	G	A	G	0.2396	-0.0489	0.0747	0.154822	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.3E+08	0.0366	476306	0.1813	TRUE	igd	ebi-a-GCST90001454	11	134566275	0.04966	1.47E-06	3018	TRUE	reported	igd	0.00794	24.1267	23.27877898	2	TRUE	0.0076593	3018	3.75E-06	476306	TRUE	2.64E-06
rs3797612	C	T	C	T	0.1137	0.0317	0.4606	0.406837	FALSE	FALSE	FALSE	ebi-a-GCST90018841	5	1.8E+08	0.0362	476306	0.381	TRUE	igd	ebi-a-GCST90001454	5	178631699	0.02564	9.53E-06	3018	TRUE	reported	igd	0.00642	19.4992	19.66458963	2	TRUE	0.0064779	3018	1.61E-06	476306	TRUE	1.39E-05
rs4899265	C	A	C	A	0.1267	-0.0113	0.3474	0.37273	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	6.9E+07	0.0313	476306	0.717	TRUE	igd	ebi-a-GCST90001454	14	69321561	0.02759	4.53E-06	3018	TRUE	reported	igd	0.00728	22.1138	21.08870097	2	TRUE	0.0069437	3018	2.74E-07	476306	TRUE	5.54E-06
rs7190107	A	T	A	T	-0.1416	0.027	0.2169	0.101619	FALSE	TRUE	FALSE	ebi-a-GCST90018841	16	5E+07	0.0738	476306	0.7146	TRUE	igd	ebi-a-GCST90001454	16	50273295	0.03148	7.06E-06	3018	TRUE	reported	igd	0.00681	20.6839	20.23284988	2	TRUE	0.0066638	3018	2.81E-07	476306	TRUE	8.62E-06
rs7437802	T	C	T	C	-0.1209	0.0099	0.6269	0.496561	FALSE	FALSE	FALSE	ebi-a-GCST90018841	4	1.5E+08	0.0328	476306	0.763199	TRUE	igd	ebi-a-GCST90001454	4	148180897	0.02713	8.65E-06	3018	TRUE	reported	igd	0.00684	20.7643	19.85880056	2	TRUE	0.0065414	3018	1.91E-07	476306	TRUE	1.02E-05
rs74805957	T	C	T	C	0.3042	0.0125	0.0396	0.0183365	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	1.1E+08	0.1601	476306	0.9379	TRUE	igd	ebi-a-GCST90001454	2	112941273	0.06703	5.91E-06	3018	TRUE	reported	igd	0.00704	21.3794	20.59586235	2	TRUE	0.0067825	3018	1.28E-08	476306	TRUE	6.43E-06
rs938447	C	T	C	T	0.1364	-0.02	0.6473	0.701245	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.1E+08	0.0493	476306	0.6844	TRUE	igd	ebi-a-GCST90001454	12	108746427	0.02743	6.94E-07	3018	TRUE	reported	igd	0.0085	25.8408	24.72732434	2	TRUE	0.008132	3018	3.46E-07	476306	TRUE	8.78E-07
rs10735429	G	A	G	A	-0.1364	0.0271	0.7411	0.795011	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.1E+08	0.0507	476306	0.592199	TRUE	igd	ebi-a-GCST90001459	12	108726677	0.02991	5.31E-06	3410	TRUE	reported	igd	0.00714	24.5064	20.79677123	2	TRUE	0.0060653	3410	6.00E-07	476306	TRUE	7.00E-06
rs114586806	T	C	T	C	0.3577	0.0921	0.0292	0.0161605	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.6E+07	0.1711	476306	0.5904	TRUE	igd	ebi-a-GCST90001459	6	36323614	0.07639	2.93E-06	3410	TRUE	reported	igd	0.00725	24.9024	21.92627518	2	TRUE	0.0063926	3410	6.08E-07	476306	TRUE	3.93E-06
rs11715127	C	G	C	G	-0.1682	-0.0017	0.1276	0.0591614	FALSE	TRUE	FALSE	ebi-a-GCST90018841	3	384169	0.0775	476306	0.9822	TRUE	igd	ebi-a-GCST90001459	3	384169	0.03678	5.00E-06	3410	TRUE	reported	igd	0.0063	21.6019	20.91358728	2	TRUE	0.0060992	3410	1.01E-09	476306	TRUE	5.37E-06

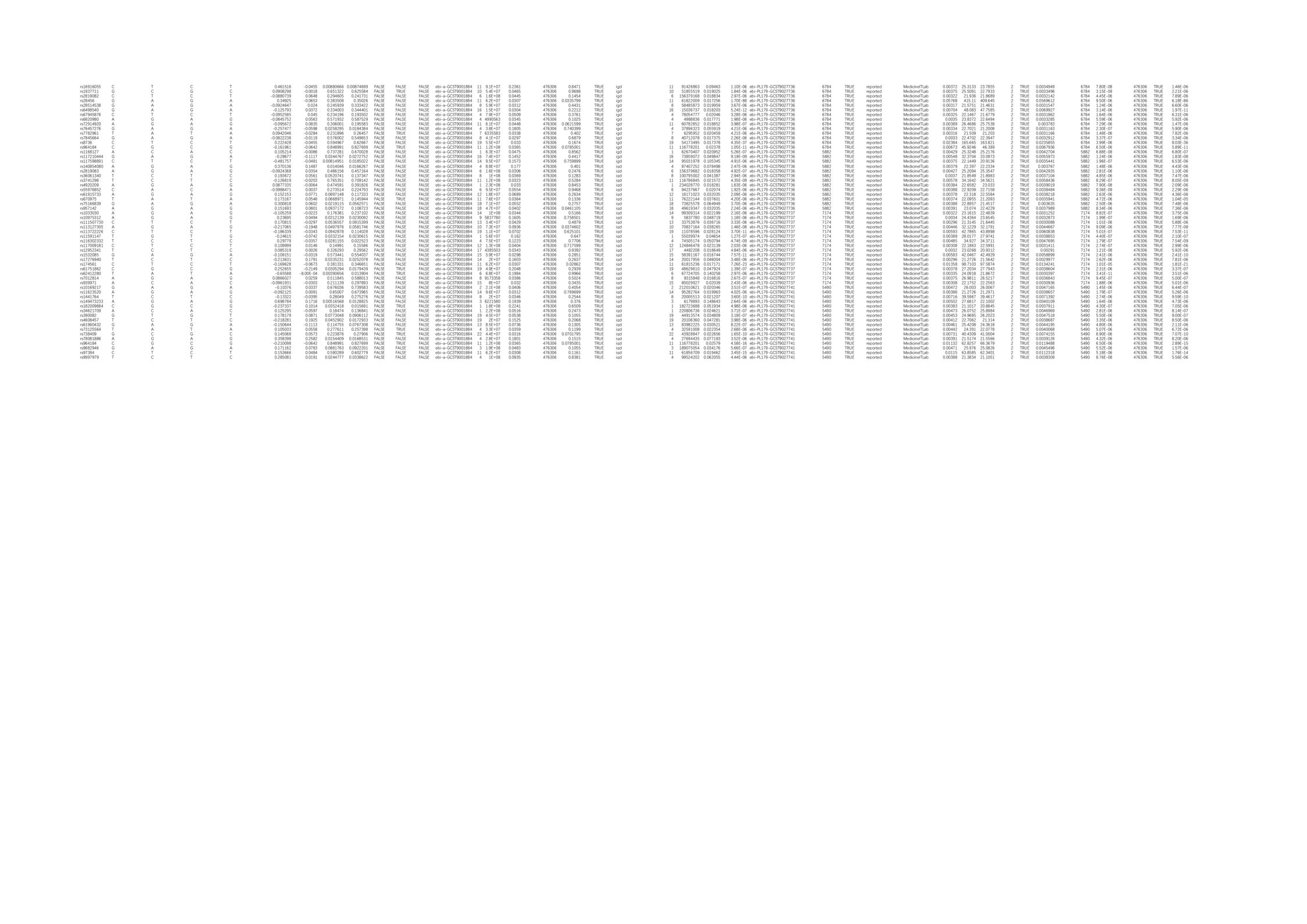




rs138383232	C	A	C	A	-0.296	0.2476	0.0523	0.0122937	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	8.7E+07	0.2071	476306	0.232	TRUE	igd	ebi-a-GCST90002040	9	86761155	0.06364	3.46E-06	2850	TRUE	reported	igd	0.00869	24.9525	21.63331531	2	TRUE	0.0075387	2850	3.00E-06	476306	TRUE	5.67E-06
rs142529172	G	C	G	C	-0.6605	0.2212	0.0102	0.0393609	FALSE	TRUE	FALSE	ebi-a-GCST90018841	19	4814248	0.1231	476306	0.0723602	TRUE	igd	ebi-a-GCST90002040	19	4814248	0.1462	6.47E-06	2850	TRUE	reported	igd	0.00881	25.3108	20.41037099	2	TRUE	0.0071156	2850	6.78E-06	476306	TRUE	1.30E-05
rs148627425	C	T	C	T	-0.5182	0.5689	0.0181	0.00370482	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	6.3E+07	0.3187	476306	0.0742198	TRUE	igd	ebi-a-GCST90002040	3	62649750	0.1077	1.59E-06	2850	TRUE	reported	igd	0.00954	27.4458	23.15066181	2	TRUE	0.0080632	2850	6.69E-06	476306	TRUE	3.28E-06
rs1489849	C	A	C	A	0.1469	0.0123	0.3874	0.24865	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	7.9E+07	0.0342	476306	0.719701	TRUE	igd	ebi-a-GCST90002040	3	79404844	0.02874	3.43E-07	2850	TRUE	reported	igd	0.01024	29.4728	26.12582804	2	TRUE	0.00909	2850	2.72E-07	476306	TRUE	4.20E-07
rs17481181	G	T	G	T	-0.2838	0.086	0.0567	0.0874606	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	2.4E+07	0.0688	476306	0.2116	TRUE	igd	ebi-a-GCST90002040	12	24172546	0.06033	2.67E-06	2850	TRUE	reported	igd	0.00862	24.7506	22.12881365	2	TRUE	0.00771	2850	3.28E-06	476306	TRUE	4.50E-06
rs17745206	C	G	C	G	0.1286	0.038	0.3493	0.262788	FALSE	TRUE	FALSE	ebi-a-GCST90018841	3	9321015	0.0402	476306	0.3449	TRUE	igd	ebi-a-GCST90002040	3	9321015	0.02844	6.34E-06	2850	TRUE	reported	igd	0.00752	21.5729	20.44667778	2	TRUE	0.0071281	2850	1.88E-06	476306	TRUE	9.45E-06
rs186823180	G	A	G	A	-0.41	0.0601	0.0279	0.061624	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	2.3E+07	0.0999	476306	0.5472	TRUE	igd	ebi-a-GCST90002040	11	22731651	0.08625	2.10E-06	2850	TRUE	reported	igd	0.00912	26.2078	22.59693342	2	TRUE	0.0078719	2850	7.60E-07	476306	TRUE	2.79E-06
rs1886654	C	T	C	T	-0.2078	0.0624	0.8374	0.898869	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	2.4E+08	0.0738	476306	0.3976	TRUE	igd	ebi-a-GCST90002040	1	236105910	0.03753	3.36E-08	2850	TRUE	reported	igd	0.01176	33.8885	30.6573038	2	TRUE	0.0106499	2850	1.50E-06	476306	TRUE	5.20E-08
rs2801527	T	C	T	C	-0.1429	0.0143	0.3444	0.290356	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	9.1E+07	0.0526	476306	0.786001	TRUE	igd	ebi-a-GCST90002040	10	90904076	0.02956	1.41E-06	2850	TRUE	reported	igd	0.00922	26.507	23.36983242	2	TRUE	0.0081389	2850	1.55E-07	476306	TRUE	1.66E-06
rs2981398	G	A	G	A	-0.2231	0.0289	0.3354	0.349493	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	6801712	0.0348	476306	0.4069	TRUE	igd	ebi-a-GCST90002040	8	6801712	0.02895	1.77E-14	2850	TRUE	reported	igd	0.02219	64.6306	59.38845189	2	TRUE	0.0204267	2850	1.45E-06	476306	TRUE	3.16E-14
rs3012550	C	T	C	T	0.2523	0.0473	0.9233	0.853087	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	7.5E+07	0.0451	476306	0.2946	TRUE	igd	ebi-a-GCST90002040	6	74567610	0.05323	2.25E-06	2850	TRUE	reported	igd	0.00902	25.9105	22.46578347	2	TRUE	0.0078265	2850	2.31E-06	476306	TRUE	3.52E-06
rs319333	C	T	C	T	0.4599	-0.0526	0.0212	0.0678398	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	9.6E+07	0.0452	476306	0.2442	TRUE	igd	ebi-a-GCST90002040	7	95543624	0.09611	1.79E-06	2850	TRUE	reported	igd	0.00878	25.2206	22.8975842	2	TRUE	0.0079758	2850	2.84E-06	476306	TRUE	2.95E-06
rs3825097	G	A	G	A	0.1298	-0.0322	0.5437	0.552215	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.2E+08	0.032	476306	0.3136	TRUE	igd	ebi-a-GCST90002040	12	122804034	0.02821	4.35E-06	2850	TRUE	reported	igd	0.00836	24.0091	21.17108972	2	TRUE	0.0073788	2850	2.13E-06	476306	TRUE	6.68E-06
rs445	T	C	T	C	0.1817	-0.0495	0.1975	0.140992	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	9.2E+07	0.0368	476306	0.1783	TRUE	igd	ebi-a-GCST90002040	7	92408370	0.03455	1.55E-07	2850	TRUE	reported	igd	0.01047	30.1204	27.65755287	2	TRUE	0.0096178	2850	3.80E-06	476306	TRUE	2.89E-07
rs56161266	G	A	G	A	-1.293	-0.0399	0.0023	0.0287845	FALSE	FALSE	FALSE	ebi-a-GCST90018841	19	5.9E+07	0.1403	476306	0.7759	TRUE	igd	ebi-a-GCST90002040	19	58816642	0.2859	6.41E-06	2850	TRUE	reported	igd	0.00767	22.0211	20.45355199	2	TRUE	0.0071305	2850	1.70E-07	476306	TRUE	7.43E-06
rs62102263	A	C	A	C	0.1551	-0.0058	0.2325	0.191711	FALSE	FALSE	FALSE	ebi-a-GCST90018841	18	4.7E+07	0.0575	476306	0.92	TRUE	igd	ebi-a-GCST90002040	18	46540942	0.03294	2.59E-06	2850	TRUE	reported	igd	0.00859	24.6626	22.17054688	2	TRUE	0.0077245	2850	2.14E-08	476306	TRUE	2.87E-06
rs73327307	G	A	G	A	-0.2197	0.0097	0.0905	0.0601459	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	1.1E+08	0.0919	476306	0.9159	TRUE	igd	ebi-a-GCST90002040	8	111918474	0.04931	8.67E-06	2850	TRUE	reported	igd	0.00795	22.8111	19.85135285	2	TRUE	0.006922	2850	2.34E-08	476306	TRUE	9.50E-06
rs7350970	A	G	A	G	0.2018	-0.0203	0.1132	0.171541	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	6.8E+07	0.0592	476306	0.731799	TRUE	igd	ebi-a-GCST90002040	17	67933411	0.04383	4.30E-06	2850	TRUE	reported	igd	0.00818	23.4774	21.19821939	2	TRUE	0.0073882	2850	2.47E-07	476306	TRUE	5.18E-06
rs78322649	T	G	T	G	-0.4458	0.3961	0.0191	0.0140623	FALSE	FALSE	FALSE	ebi-a-GCST90018841	8	6762655	0.1801	476306	0.0278202	TRUE	igd	ebi-a-GCST90002040	8	6762655	0.09944	7.65E-06	2850	TRUE	reported	igd	0.00745	21.3675	20.09823394	2	TRUE	0.0070075	2850	1.02E-05	476306	TRUE	1.75E-05
rs7924850	A	G	A	G	0.1326	-0.0811	0.5472	0.259467	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.3E+08	0.0465	476306	0.0813804	TRUE	igd	ebi-a-GCST90002040	11	127055116	0.02828	2.86E-06	2850	TRUE	reported	igd	0.00871	25.0328	21.9850895	2	TRUE	0.0076603	2850	6.39E-06	476306	TRUE	5.80E-06
rs79603423	T	C	T	C	-0.6314	0.1298	0.0114	0.0166219	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.1E+08	0.1649	476306	0.4311	TRUE	igd	ebi-a-GCST90002040	12	113919973	0.1313	1.61E-06	2850	TRUE	reported	igd	0.00899	25.8241	23.12489146	2	TRUE	0.0080543	2850	1.30E-06	476306	TRUE	2.28E-06
rs10202811	A	G	A	G	-0.2937	-0.1116	0.0408	0.0222177	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	2.2E+08	0.1174	476306	0.3418	TRUE	igd	ebi-a-GCST90002074	2	218930120	0.06578	8.29E-06	3112	TRUE	reported	igd	0.00675	21.1402	19.9351797	2	TRUE	0.0063692	3112	1.90E-06	476306	TRUE	1.25E-05
rs10488833	G	C	G	C	-0.2117	-0.0709	0.1043	0.0670658	FALSE	TRUE	FALSE	ebi-a-GCST90018841	4	9.8E+07	0.0522	476306	0.1747	TRUE	igd	ebi-a-GCST90002074	4	97953756	0.04376	1.39E-06	3112	TRUE	reported	igd	0.00837	26.2622	23.40383833	2	TRUE	0.0074691	3112	3.87E-06	476306	TRUE	2.53E-06
rs10774278	T	C	T	C	-0.1283	0.0077	0.6157	0.721164	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	629655	0.0349	476306	0.8253	TRUE	igd	ebi-a-GCST90002074	12	629655	0.02705	2.22E-06	3112	TRUE	reported	igd	0.00779	24.4163	22.49669777	2	TRUE	0.0071817	3112	1.02E-07	476306	TRUE	2.56E-06
rs11228503	T	C	T	C	-0.1555	-0.0454	0.2172	0.253522	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	6.9E+07	0.0353	476306	0.1975	TRUE	igd	ebi-a-GCST90002074	11	68879044	0.03171	9.84E-07	3112	TRUE	reported	igd	0.00822	25.7838	24.0474097	2	TRUE	0.007673	3112	3.47E-06	476306	TRUE	1.78E-06
rs1152928	G	A	G	A	-0.7519	-0.2469	0.0165	0.0178622	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	6.9E+07	0.1848	476306	0.1816	TRUE	igd	ebi-a-GCST90002074	12	69247557	0.1023	2.48E-13	3112	TRUE	reported	igd	0.01835	58.1315	54.02178153	2	TRUE	0.0170738	3112	3.75E-06	476306	TRUE	6.19E-13
rs11554159	A	G	A	G	-0.2988	-0.0073	0.2995	0.218944	FALSE	FALSE	FALSE	ebi-a-GCST90018841	19	1.8E+07	0.0409	476306	0.8587	TRUE	igd	ebi-a-GCST90002074	19	18285944	0.0284	1.82E-25	3112	TRUE	reported	igd	0.03746	121.043	110.6941083	2	TRUE	0.0343696	3112	6.69E-08	476306	TRUE	2.24E-25
rs12276856	T	C	T	C	0.1441	0.0639	0.2542	0.141069	FALSE	FALSE	FALSE	ebi-a-GCST90018841	11	1.2E+08	0.0541	476306	0.2377	TRUE	igd	ebi-a-GCST90002074	11	122628500	0.03031	2.09E-06	3112	TRUE	reported	igd	0.00787	24.6802	22.60247975	2	TRUE	0.0072152	3112	2.93E-06	476306	TRUE	3.53E-06
rs12370645	G	A	G	A	-0.6901	0.0099	0.0079	0.014426	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	2E+07	0.1994	476306	0.9603	TRUE	igd	ebi-a-GCST90002074	12	19824999	0.1507	4.82E-06	3112	TRUE	reported	igd	0.00747	23.3911	20.9699575	2	TRUE	0.0066976	3112	5.18E-09	476306	TRUE	5.25E-06
rs12478601	T	C	T	C	-0.1442	-0.0304	0.4735	0.510635	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	4.4E+07	0.0304	476306	0.3175	TRUE	igd	ebi-a-GCST90002074	2	43721508	0.02805	2.90E-07	3112	TRUE	reported	igd	0.01037	32.5811	26.42802991	2	TRUE	0.0084262	3112	2.10E-06	476306	TRUE	4.76E-07
rs13231864	C	T	C	T	0.1286	0.0363	0.3303	0.459559	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.5E+07	0.0454	476306	0.4229	TRUE	igd	ebi-a-GCST90002074	7	14761122	0.02868	7.60E-06	3112	TRUE	reported	igd	0.00732	22.9219	20.10590579	2	TRUE	0.0064234	3112	1.34E-06	476306	TRUE	1.09E-05
rs148146302	C	G	C	G	-0.8012	-0.139	0.023	0.0120524	FALSE	TRUE	FALSE	ebi-a-GCST90018841	12	7E+07	0.1948	476306	0.4754	TRUE	igd	ebi-a-GCST90002074	12	70360198	0.08571	1.65E-20	3112	TRUE	reported	igd	0.02885	92.3864	87.38137836	2	TRUE	0.027329	3112	1.07E-06	476306	TRUE	3.10E-20
rs1800973	A	C	A	C	-1.048	-0.1056	0.0845	0.0577928	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	7E+07	0.095	476306	0.2668	TRUE	igd	ebi-a-GCST90002074	12	69744014	0.04423	3.30E-114	3112	TRUE	reported	igd	0.16993	636.668	561.4210428	2	TRUE	0.1529166	3112	2.59E-06	476306	TRUE	1.02E-115
rs445	T	C	T	C	0.229	-0.0495	0.1968	0.140992	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	9.2E+07	0.0368	476306	0.1783	TRUE	igd	ebi-a-GCST90002074	7	92408370	0.03302	4.94E-12	3112	TRUE	reported	igd	0.01658	52.4289	48.09687134	2	TRUE	0.0152297	3112	3.80E-06	476306	TRUE	1.16E-11
rs4947752	C	T	C	T	0.1395	-0.0139	0.3824	0.318384	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	5.3E+07	0.0334	476306	0.677699	TRUE	igd	ebi-a-GCST90002074	7	52979778	0.02761	4.63E-07	3112	TRUE	reported	igd	0.00919	28.8519	25.5279301	2	TRUE	0.0081415	3112	3.64E-07	476306	TRUE	5.89E-07
rs57059400	T	A	T	A	0.1834	0.1595	0.12	0.0967914	FALSE	TRUE	FALSE	ebi-a-GCST90018841	12	2E+07	0.0746	476306	0.03249	TRUE	igd	ebi-a-GCST90002074	12	19933239	0.04104	8.15E-06	3112	TRUE	reported	igd	0.0071	22.251	19.970271	2	TRUE	0.0063803	3112	9.60E-06	476306	TRUE	1.90E-05
rs62026668	T	C	T	C	-0.1542	-0.0075	0.1832	0.357521	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	8E+07	0.0309	476306	0.8077	TRUE	igd	ebi-a-GCST90002074	15	79868517	0.03467	8.97E-06	3112	TRUE	reported	igd	0.00712	22.2896	19.78158398	2	TRUE	0.0063204	3112	1.24E-07	476306	TRUE	1.04E-05
rs62070801	C	T	C	T	0.1178	0.0365	0.5227	0.44883	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	5.1E+07	0.0294	476306	0.2147	TRUE	igd	ebi-a-GCST90002074	17	50801881	0.02646	8.83E-06	3112	TRUE	reported	igd	0.00692	21.6842	19.82033092	2	TRUE	0.0063327	3112	3.24E-06	476306	TRUE	1.48E-05
rs72736734	T	C	T	C	0.3008	0.2633	0.0471	0.0288127	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	2.2E+08	0.1425	476306	0.0645996	TRUE	igd	ebi-a-GCST90002074	1	219869305	0.06466	3.44E-06	3112	TRUE	reported	igd	0.00812	25.4657	21.64134574	2	TRUE	0.0069105	3112	7.17E-06	476306	TRUE	7.39E-06
rs7309974	A	G	A	G	0.191	-0.0215	0.1223	0.123	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	9.4E+07	0.0388	476306	0.579499	TRUE	igd	ebi-a-GCST90002074	12	93519967	0.04069	2.80E-06	3112	TRUE	reported	igd	0.00783	24.5496	22.03389902	2	TRUE	0.007035	3112	6.45E-07	476306	TRUE	3.69E-06
rs73175542	A	G	A	G	0.2957	-0.0515	0.0553	0.0452363	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	4.7E+07	0.066	476306	0.435	TRUE	igd	ebi-a-GCST90002074	13	47478865	0.05709	2.36E-07	3112	TRUE	reported	igd	0.00914	28.6746	26.82764575	2	TRUE	0.0085525	3112	1.28E-06	476306	TRUE	3.55E-07
rs75994780	A	G	A	G	-0.3607	-0.0807	0.0625	0.0198272	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	7.1E+07	0.1747	476306	0.6443	TRUE	igd	ebi-a-GCST90002074	12	70949085	0.05457	4.48E-11	3112	TRUE	reported	igd	0.01525	48.1511	43.69023464	2	TRUE	0.0138537	3112	4.48E-07	476306	TRUE	6.37E-11
rs80216229	C	T	C	T	-0.4355	0.1184	0.0223	0.0223298	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	6.8E+07	0.1648	476306	0.4724	TRUE	igd	ebi-a-GCST90002074	12	67839087	0.09132	1.94E-06	3112	TRUE	reported	igd	0.00827	25.9349	22.74283042	2	TRUE	0.0072597	3112	1.08E-06	476306	TRUE	2.74E-06
rs9616832	C	T	C	T	-0.2208	-0.2131	0.1105	0.0732429	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	5.1E+07	0.087	476306	0.0142801	TRUE	igd	ebi-a-GCST90002074	22	51219387	0.04608	1.73E-06	3112	TRUE	reported	igd	0.00958	30.0939	22.96006944	2	TRUE	0.0073286	3112	1.26E-05	476306	TRUE	4.83E-06
rs11192024	T	A	T	A	-0.34	0.0567	0.0267	0.022897	FALSE	TRUE	FALSE	ebi-a-GCST90018841	10	1.1E+08	0.1094	476306	0.6047	TRUE	igd	ebi-a-GCST90002082	10	106126407	0.07321	3.55E-06	3113	TRUE	reported	igd	0.00601	18.8046	21.56835486	2	TRUE	0.0068852	3113	5.64E-07	476306	TRUE	4.62E-06
rs112262410	T	C	T	C	-0.2303	0.064	0.0641	0.0514407	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.3E+08	0.0967	476306	0.5082	TRUE	igd	ebi-a-GCST90002082	3	134400604	0.04813	1.79E-06	3113	TRUE	reported	igd	0.00636	19.9241	22.89581739	2	TRUE	0.0073059	3113	9.20E-07	476306	TRUE	2.48E-06
rs115752428	A	G	A	G	0.3845	0.1434	0.0226	0.0140558	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	2.1E+08	0.1889	476306	0.4477	TRUE	igd	ebi-a-GCST90002082	1	205560814	0.07935	1.33E-06	3113	TRUE	reported	igd	0.00653	20.4526	23.48003966	2	TRUE	0.0074909	3113	1.21E-06	476306	TRUE	1.92E-06
rs117482121	A	G	A	G	-0.2912	-0.2265	0.041	0.0145759	FALSE	FALSE	FALSE	ebi-a-GCST90018841	18	7.5E+07	0.189	476306	0.2307	TRUE	igd	ebi-a-GCST90002082	18	75269360	0.0588	7.68E-07	3113	TRUE	reported	igd	0.00667	20.8843	24.5260771	2	TRUE	0.007822	3113	3.02E-06	476306	TRUE	1.35E-06
rs13019266	C	T	C	T	-0.1075	-0.0715	0.5798	0.699857	FALSE	FALSE	FALSE	ebi-a-GCST90018841	2	1.1E+08	0.0315	476306	0.0234401	TRUE	igd	ebi-a-GCST90002082	2	111604642	0.02422	9.35E-06	3113	TRUE	reported	igd	0.00563	17.6171	19.70010999	2	TRUE	0.0062926	3113	1.08E-05	476306	TRUE	2.28E-05
rs138038426	C	T	C	T	-0.8939	-0.3529	0.0039	0.0108092	FALSE	FALSE	FALSE	ebi-a-GCST90018841	17	4.3E+07	0.2029	476306	0.0820692	TRUE	igd	ebi-a-GCST90002082	17	42576434	0.1877	2.01E-06	3113	TRUE	reported	igd	0.00621	19.4348	22.68032791	2	TRUE	0.0072376	3113	6.35E-06	476306	TRUE	4.22E-06
rs144027086	A	G	A	G	2.503	0.2311	5.00E-04	0.00739956	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.5E+07	0.2959	476306	0.4348	TRUE	igd	ebi-a-GCST90002082	7	15148913	0.4929	4.02E-07	3113	TRUE	reported	igd	0.00626	19.6035	25.78719254	2	TRUE	0.0082209	3113	1.28E-06	476306	TRUE	6.01E-07
rs147187095	C	T	C	T	2.037	-0.0089	6.00E-04	0.00822516	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	9454654	0.201	476306	0.9647	TRUE	igd	ebi-a-GCST90002082	10	9454654	0.4602	9.95E-06	3113	TRUE	reported	igd	0.00498	15.5586	19.59245371	2	TRUE	0.0062584	3113	4.12E-09	476306	TRUE	1.07E-05
rs147779398	C	T	C	T	-0.5031	-0.0378	0.0122	0.0125611	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	4.3E+07	0.2238	476306	0.8657	TRUE	igd	ebi-a-GCST90002082	7	42610990	0.1119	7.13E-06	3113	TRUE	reported	igd	0.0061	19.0952	20.21382314	2	TRUE	0.0064556	3113	5.99E-08	476306	TRUE	8.11E-06
rs191772295	C	T	C	T	0.5976	0.1406	0.0088	0.014672	FALSE	FALSE	FALSE	ebi-a-GCST90018841	18	2.1E+07	0.1935	476306	0.4673	TRUE	igd	ebi-a-GCST90002082	18	21222946	0.1293	3.94E-06	3113	TRUE	reported	igd	0.00623	19.5034	21.36112532	2	TRUE	0.0068195	3113	1.11E-06	476306	TRUE	5.57E-06
rs4550979	G	C	G	C	0.1465	-0.0013	0.1597	0.373981	FALSE	TRUE	FALSE	ebi-a-GCST90018841	4	1.9E+08	0.0301	476306	0.9652	TRUE	igd	ebi-a-GCST90002082	4	189591165	0.03268	7.60E-06	3113	TRUE	reported	igd	0.00576	18.0241	20.09607087	2	TRUE	0.0064182	3113	3.92E-09	476306	TRUE	8.22E-06
rs5762053	A	G	A	G	-0.1361	0.0401	0.2122	0.109858	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	2.8E+07	0.0533	476306	0.4511	TRUE	igd	ebi-a-GCST90002082	22	27675461	0.02917	3.22E-06	3113	TRUE	reported	igd	0.00619	19.3868	21.76924626	2	TRUE	0.0069489	3113	1.19E-06	476306	TRUE	4.57E-06
rs62221356	A	G	A	G	1.147	0.3679	0.0022	0.0465977	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	5E+07	0.1185	476306	0.00190999	TRUE	igd	ebi-a-GCST90002082	22	49522943	0.2432	2.54E-06	3113	TRUE	reported	igd	0.00578	18.0734	22.24332434	2	TRUE	0.0070991	3113	2.02E-05	476306	TRUE	8.81E-06
rs62435615	T	C	T	C	-0.1293	-0.0057	0.2353	0.260924	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1.5E+08	0.0334	476306	0.8647	TRUE	igd	ebi-a-GCST90002082	6	147532536	0.02822	4.79E-06	3113	TRUE	reported	igd	0.00602	18.8305	20.99341209	2	TRUE	0.0067029	3113	6.11E-08	476306	TRUE	5.43E-06
rs7192172	A	G	A	G	0.1588	-0.0224	0.1343	0.139338	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	5.7E+07	0.0379	476306	0.5547	TRUE	igd	ebi-a-GCST90002082	16	57127753	0.03498	5.88E-06	3113	TRUE	reported	igd	0.00586	18.3497	20.60921196	2	TRUE	0.006581	3113	7.33E-07	476306	TRUE	7.76E-06
rs72943263	T	C	T	C	0.3991	0.1555	0.0186	0.0197775	FALSE	FALSE	FALSE	ebi-a-GCST90018841	18	5.4E+07	0.1953	476306	0.4258	TRUE	igd	ebi-a-GCST90002082	18	54275565	0.08697	4.64E-06	3113	TRUE	reported	igd	0.00582	18.1964	21.05835853	2	TRUE	0.0067235	3113	1.33E-06	476306	TRUE	6.67E-06
rs77789294	C	T	C	T	0.214	0.1679	0.0957	0.0310885	FALSE	FALSE	FALSE	ebi-a-GCST90018841	14	2.9E+07	0.0978	476306	0.0858598	TRUE	igd	ebi-a-GCST90002082	14	29178686	0.04048	1.32E-07	3113	TRUE	reported	igd	0.00793	24.8564	27.94773001	2	TRUE	0.0089035	3113	6.19E-06	476306	TRUE	3.02E-07
rs873857	C	G	C	G	-0.1148	-0.0239	0.6094	0.6332	FALSE	TRUE	FALSE	ebi-a-GCST90018841	16	8.5E+07	0.0303	476306	0.4297	TRUE	igd	ebi-a-GCST90002082	16	84697706	0.0244	2.63E-06	3113	TRUE	reported	igd	0.00627	19.6418	22.1362537	2	TRUE	0.0070652	3113	1.31E-06	476306	TRUE	3.84E-06
rs9266801	A	G	A	G	-0.1576	0.0323	0.2624	0.0579205	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.1E+07	0.0537	476306	0.5478	TRUE	igd	ebi-a-GCST90002082	6	31376051	0.03101	3.97E-07	3113	TRUE	reported	igd	0.00961	30.2011	25.82907741	2	TRUE	0.0082341	3113	7.60E-07	476306	TRUE	5.46E-07
rs10511609	G	A	G	A	-0.6195	-0.0586	0.0236	0.106243	FALSE	FALSE	FALSE	ebi-a-GCST90018841	9	1.5E+07	0.0398	476306	0.1415	TRUE	igd	ebi-a-GCST90002110	9	15335996	0.1223	4.57E-07	1634	TRUE	reported	igd	0.01769	29.3848	25.65840804	2	TRUE	0.0154787	1634	4.55E-06	476306	TRUE	7.19E-07
rs11074934	T	C	T	C	-0.3589	0.0046	0.2194	0.377841	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	1.1E+07	0.0322	476306	0.8853	TRUE	igd	ebi-a-GCST90002110	16	10979440	0.04157	1.36E-17	1634	TRUE	reported	igd	0.04412	75.3285	74.53956735	2	TRUE	0.0436788	1634	4.28E-08	476306	TRUE	1.30E-17
rs113773853	C	T	C	T	2.611	0.1594	9.00E-04	0.0227401	FALSE	FALSE	FALSE	ebi-a-GCST90018841	22	4E+07	0.1512	476306	0.2918	TRUE	igd	ebi-a-GCST90002110	22	39607103	0.5424	1.61E-06	1634	TRUE	reported	igd	0.01226	20.2569	23.17257956	2	TRUE	0.0140001	1634	2.33E-06	476306	TRUE	2.23E-06
rs116632210	G	A	G	A	-0.4023	-0.2971	0.0483	0.00974105	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.8E+07	0.2306	476306	0.1977	TRUE	igd	ebi-a-GCST90002110	6	37856213	0.0854	2.68E-06	1634	TRUE	reported	igd	0.01488	24.6495	22.19138069	2	TRUE	0.0134152	1634	3.48E-06	476306	TRUE	3.92E-06
rs118175684	T	C	T	C	-0.326	0.306	0.0652	0.0120753	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	1.2E+08	0.2127	476306	0.1501	TRUE	igd	ebi-a-GCST90002110	7	121443863	0.07288	8.24E-06	1634	TRUE	reported	igd	0.01295	21.4198	20.00868155	2	TRUE	0.0121117	1634	4.35E-06	476306	TRUE	1.24E-05
rs12929277	C	T	C	T	0.2107	0.0234	0.2166	0.323038	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	1.1E+07	0.0321	476306	0.4666	TRUE	igd	ebi-a-GCST90002110	16	10700928	0.04373	1.59E-06	1634	TRUE	reported	igd	0.01507	24.964	23.21507636	2	TRUE	0.0140254	1634	1.12E-06	476306	TRUE	1.99E-06
rs13074783	C	T	C	T	0.2592	0.0059	0.1108	0.211122	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	4037838	0.0333	476306	0.8598	TRUE	igd	ebi-a-GCST90002110	3	4037838	0.05746	6.89E-06	1634	TRUE	reported	igd	0.01324	21.8951	20.34879755	2	TRUE	0.0123151	1634	6.59E-08	476306	TRUE	7.39E-06
rs142006783	C	T	C	T	-1.2	0.0489	0.0064	0.019032	FALSE	FALSE	FALSE	ebi-a-GCST90018841	16	7.5E+07	0.1959	476306	0.8029	TRUE	igd	ebi-a-GCST90002110	16	74651733	0.2618	4.97E-06	1634	TRUE	reported	igd	0.01831	30.4461	21.00986238	2	TRUE	0.0127101	1634	1.31E-07	476306	TRUE	5.36E-06
rs1461277	G	A	G	A	0.1774	0.0554	0.4988	0.45404	FALSE	FALSE	FALSE	ebi-a-GCST90018841	3	1.7E+08	0.0307	476306	0.0711492	TRUE	igd	ebi-a-GCST90002110	3	174918975	0.03589	8.56E-07	1634	TRUE	reported	igd	0.01574	26.0905	24.43207283	2	TRUE	0.0147498	1634	6.84E-06	476306	TRUE	1.47E-06
rs147171620	T	C	T	C	-0.5906	-0.6795	0.0193	0.01586	FALSE	FALSE	FALSE	ebi-a-GCST90018841	13	4.7E+07	0.5674	476306	0.2311	TRUE	igd	ebi-a-GCST90002110	13	46828483	0.131	6.97E-06	1634	TRUE	reported	igd	0.0132	21.8375	20.32564303	2	TRUE	0.0123012	1634	3.01E-06	476306	TRUE	9.87E-06
rs1801274	G	A	G	A	-0.1876	-0.0331	0.3302	0.442851	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	1.6E+08	0.0331	476306	0.317	TRUE	igd	ebi-a-GCST90002110	1	161479745	0.03907	1.70E-06	1634	TRUE	reported	igd	0.01557	25.8079	23.0557283	2	TRUE	0.0139305	1634	2.10E-06	476306	TRUE	2.33E-06
rs182790	A	G	A	G	-0.2044	0.0192	0.1961	0.226893	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	1E+08	0.0541	476306	0.723	TRUE	igd	ebi-a-GCST90002110	6	100053560	0.04587	8.87E-06	1634	TRUE	reported	igd	0.01317	21.7846	19.85657327	2	TRUE	0.0120208	1634	2.64E-07	476306	TRUE	9.99E-06
rs2237423	C	T	C	T	-0.2115	0.0671	0.2243	0.248506	FALSE	FALSE	FALSE	ebi-a-GCST90018841	7	4.2E+07	0.037	476306	0.0695601	TRUE	igd	ebi-a-GCST90002110	7	42100425	0.04338	1.18E-06	1634	TRUE	reported	igd	0.01557	25.8052	23.77068232	2	TRUE	0.0143563	1634	6.90E-06	476306	TRUE	2.05E-06
rs2887457	A	T	A	T	0.1775	-0.0129	0.6576	0.767872	FALSE	TRUE	FALSE	ebi-a-GCST90018841	2	1.9E+08	0.0378	476306	0.7334	TRUE	igd	ebi-a-GCST90002110	2	185272346	0.03899	5.69E-06	1634	TRUE	reported	igd	0.01419	23.4881	20.72479505	2	TRUE	0.0125398	1634	2.45E-07	476306	TRUE	6.37E-06
rs5016173	C	T	C	T	-0.2169	-0.0497	0.8158	0.741621	FALSE	FALSE	FALSE	ebi-a-GCST90018841	20	4.9E+07	0.0356	476306	0.1622	TRUE	igd	ebi-a-GCST90002110	20	49233671	0.04631	3.05E-06	1634	TRUE	reported	igd	0.01414	23.406	21.93661141	2	TRUE	0.0132633	1634	4.09E-06	476306	TRUE	4.60E-06
rs61742525	A	G	A	G	0.4117	-0.5881	0.0918	0.00247808	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.3E+07	0.4725	476306	0.2132	TRUE	igd	ebi-a-GCST90002110	6	33072522	0.06776	1.54E-09	1634	TRUE	reported	igd	0.02826	47.4665	36.91602567	2	TRUE	0.0221198	1634	3.25E-06	476306	TRUE	2.40E-09
rs61835728	T	C	T	C	-0.9321	0.176	0.008	0.0449613	FALSE	FALSE	FALSE	ebi-a-GCST90018841	10	1.1E+07	0.1162	476306	0.13	TRUE	igd	ebi-a-GCST90002110	10	10550265	0.2085	8.31E-06	1634	TRUE	reported	igd	0.01379	22.8196	19.98540241	2	TRUE	0.0120978	1634	4.82E-06	476306	TRUE	1.28E-05
rs6917212	G	C	G	C	-0.4813	-0.0465	0.7641	0.628742	FALSE	TRUE	FALSE	ebi-a-GCST90018841	6	3.3E+07	0.031	476306	0.1337	TRUE	igd	ebi-a-GCST90002110	6	32583005	0.04452	2.31E-26	1634	TRUE	reported	igd	0.08351	148.707	116.874943	2	TRUE	0.0668286	1634	4.72E-06	476306	TRUE	3.82E-26
rs72737163	C	T	C	T	-0.2867	0.1473	0.101	0.0418694	FALSE	FALSE	FALSE	ebi-a-GCST90018841	15	3.9E+07	0.1116	476306	0.1866	TRUE	igd	ebi-a-GCST90002110	15	39300811	0.06035	2.21E-06	1634	TRUE	reported	igd	0.01493	24.7297	22.56840345	2	TRUE	0.0136401	1634	3.66E-06	476306	TRUE	3.27E-06
rs76870855	C	T	C	T	2.325	0.0719	0.0012	0.0132748	FALSE	FALSE	FALSE	ebi-a-GCST90018841	1	1.8E+08	0.1864	476306	0.6996	TRUE	igd	ebi-a-GCST90002110	1	183457090	0.4921	2.50E-06	1634	TRUE	reported	igd	0.01296	21.425	22.32231253	2	TRUE	0.0134933	1634	3.12E-07	476306	TRUE	2.84E-06
rs78082697	A	G	A	G	-1.181	0.0224	0.0043	0.0278753	FALSE	FALSE	FALSE	ebi-a-GCST90018841	12	1.3E+08	0.1352	476306	0.8685	TRUE	igd	ebi-a-GCST90002110	12	133777338	0.2637	8.05E-06	1634	TRUE	reported	igd	0.01194	19.7272	20.0576263	2	TRUE	0.012141	1634	5.76E-08	476306	TRUE	8.56E-06
rs9269109	C	T	C	T	0.3633	0.0607	0.3574	0.672106	FALSE	FALSE	FALSE	ebi-a-GCST90018841	6	3.2E+07	0.031	476306	0.0504905	TRUE	igd	ebi-a-GCST90002110	6	32443266	0.04076	1.28E-18	1634	TRUE	reported	igd	0.06063	105.326	79.44424555	2	TRUE	0.0464194	1634	8.05E-06	476306	TRUE	3.03E-18

Supplementary Table 7: SNPs used as instrumental variables in Mendelian Randomization analysis of lipids on esophageal cancer.

SNP	effect_allele.exposure	other_allele.exposure	effect_allele.outcome	other_allele.outcome	beta.exposure	beta.outcome	eaf.exposure	eaf.outcome	remove	palindromic	ambiguous	id.outcome	chr	pos	se.outcom	samplesize.outcom	pval.outcom	mr_keep.outcome	data_source.outcom	chr.exposur	pos.exposure	se.exposur	pval.exposure	id.exposure	samplesize.exposure	mr_keep.exposure	pval_origin.exposure	data_source.exposur	R2	F	F_pow_be	action	mr_keep	rsq.exposure	effective_n.exposur	rsq.outcome	effective_n.outcom	steiger_di	steiger_pval
rs10812660	A	T	A	T	0.0859508	-0.028	0.375095	0.358672	FALSE	TRUE	FALSE	ebi-a-GCST9001884	9	2.8E+07	0.0328	476306	0.393	TRUE	igd	9	27742537	0.017883	1.57E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00346	24.897	23.1001	2	TRUE	0.0032141	7166	1.53E-06	476306	TRUE	3.11E-06
rs112411704	G	A	G	A	0.303163	0.1545	0.0175182	0.020088	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	2958367	0.1568	476306	0.3243	TRUE	igd	9	2958367	0.06605	4.51E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00316	22.7367	21.0675	2	TRUE	0.0029321	7166	2.04E-06	476306	TRUE	9.28E-06
rs114243848	C	A	C	A	-0.227789	-0.2129	0.0423232	0.0284702	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	5E+07	0.1465	476306	0.1461	TRUE	igd	19	49823108	0.042242	7.17E-08	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00421	30.2607	29.0792	2	TRUE	0.0040427	7166	4.43E-06	476306	TRUE	2.32E-07
rs11730766	T	C	T	C	0.252852	-0.0384	0.0287398	0.0358613	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	7.3E+07	0.1191	476306	0.747001	TRUE	igd	4	72366511	0.051578	9.67E-07	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00357	25.662	24.0329	2	TRUE	0.0033435	7166	2.18E-07	476306	TRUE	1.41E-06
rs118068660	T	C	T	C	-0.161378	-0.0512	0.0946153	0.100374	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	1.1E+07	0.0782	476306	0.5128	TRUE	igd	19	11079868	0.028253	1.16E-08	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00446	32.1078	32.6248	2	TRUE	0.0045333	7166	9.00E-07	476306	TRUE	2.34E-08
rs11858279	C	T	C	T	0.0877418	0.0615	0.302589	0.259935	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0382	476306	0.1076	TRUE	igd	15	58420774	0.018188	1.43E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00325	23.3536	23.2735	2	TRUE	0.0032382	7166	5.44E-06	476306	TRUE	4.44E-06
rs12552499	G	A	G	A	-0.188787	0.0325	0.0474496	0.099397	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	1.2E+08	0.0714	476306	0.6489	TRUE	igd	9	121135217	0.040069	2.50E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00322	23.1554	22.1992	2	TRUE	0.0030891	7166	4.35E-07	476306	TRUE	3.87E-06
rs12562141	C	T	C	T	-0.139218	0.0072	0.0832304	0.108008	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	1.8E+08	0.0438	476306	0.8695	TRUE	igd	1	181952433	0.030335	4.52E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00296	21.2523	21.0617	2	TRUE	0.0029313	7166	5.67E-08	476306	TRUE	5.83E-06
rs1271671	A	G	A	G	0.23516	0.1634	0.0278953	0.0263947	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	3.2E+07	0.1108	476306	0.1402	TRUE	igd	12	31810895	0.051325	4.70E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.003	21.5507	20.9931	2	TRUE	0.0029218	7166	4.57E-06	476306	TRUE	1.27E-05
rs16963800	C	T	C	T	0.110271	0.0385	0.160235	0.13245	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	1.5E+07	0.043	476306	0.3715	TRUE	igd	16	14576910	0.022806	1.36E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00327	23.5205	23.3797	2	TRUE	0.0032529	7166	1.68E-06	476306	TRUE	2.77E-06
rs1800961	T	C	T	C	-0.179574	-0.1228	0.0524109	0.0289781	FALSE	FALSE	FALSE	ebi-a-GCST9001884	20	4.3E+07	0.106	476306	0.2466	TRUE	igd	20	44413724	0.037366	1.57E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.0032	23.0201	23.0958	2	TRUE	0.0032135	7166	2.82E-06	476306	TRUE	3.72E-06
rs180958041	T	C	T	C	-0.365314	-0.0269	0.0124096	0.030767	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	1.7E+08	0.1321	476306	0.8384	TRUE	igd	2	170149397	0.077131	2.22E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00327	23.5113	22.4326	2	TRUE	0.0031215	7166	8.71E-08	476306	TRUE	2.96E-06
rs182695896	C	A	C	A	0.268217	0.1021	0.025305	0.0144048	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	7.5E+07	0.2141	476306	0.633501	TRUE	igd	4	73947510	0.053325	5.02E-07	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00355	25.5139	25.2997	2	TRUE	0.0035191	7166	4.77E-07	476306	TRUE	8.17E-07
rs2237478	T	C	T	C	-0.0993409	-0.0366	0.198499	0.286003	FALSE	FALSE	FALSE	ebi-a-GCST9001884	7	5.1E+07	0.0315	476306	0.2454	TRUE	igd	7	50678097	0.021089	2.52E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00314	22.5668	22.1902	2	TRUE	0.0030879	7166	2.83E-06	476306	TRUE	5.86E-06
rs2879630	A	G	A	G	-0.101233	-0.0143	0.188973	0.259507	FALSE	FALSE	FALSE	ebi-a-GCST9001884	10	5.4E+07	0.0323	476306	0.6579	TRUE	igd	10	51918584	0.021186	1.80E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00314	22.5752	22.8328	2	TRUE	0.003177	7166	4.12E-07	476306	TRUE	2.78E-06
rs429358	C	T	C	T	0.105625	0.0106	0.189202	0.148178	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	4.5E+07	0.0442	476306	0.8104	TRUE	igd	19	44908684	0.021509	9.26E-07	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00342	24.6063	24.1164	2	TRUE	0.003355	7166	1.21E-07	476306	TRUE	1.28E-06
rs57405165	T	C	T	C	-0.106878	0.0045	0.154935	0.183449	FALSE	FALSE	FALSE	ebi-a-GCST9001884	20	3.9E+07	0.0381	476306	0.9063	TRUE	igd	20	40665923	0.023028	3.52E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00299	21.4933	21.5419	2	TRUE	0.0029979	7166	2.93E-08	476306	TRUE	4.44E-06
rs669552	G	A	G	A	-0.108173	-0.0459	0.156026	0.0937466	FALSE	FALSE	FALSE	ebi-a-GCST9001884	3	1.7E+08	0.0661	476306	0.487401	TRUE	igd	3	172335874	0.023272	3.40E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00308	22.1457	21.606	2	TRUE	0.0030068	7166	1.01E-06	476306	TRUE	6.00E-06
rs73005445	G	A	G	A	-0.090004	-0.0527	0.253445	0.249483	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	1.6E+07	0.0344	476306	0.1261	TRUE	igd	19	15830645	0.019237	2.94E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00307	22.0287	21.8902	2	TRUE	0.0030463	7166	4.93E-06	476306	TRUE	8.40E-06
rs78721266	G	A	G	A	0.190781	0.0248	0.0439974	0.0453216	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	9.9E+07	0.059	476306	0.674	TRUE	igd	9	96213656	0.04129	3.90E-06	ebi-PL179-GCST9027725	7166	TRUE	reported	MedicineITLab	0.00306	22.0026	21.3492	2	TRUE	0.0029712	7166	3.71E-07	476306	TRUE	5.83E-06
rs10468017	T	C	T	C	0.111867	0.0086	0.337526	0.282616	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0342	476306	0.8006	TRUE	igd	15	58386313	0.018143	7.41E-10	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.0056	37.3525	38.0198	2	TRUE	0.0056958	6639	1.33E-07	476306	TRUE	1.15E-09
rs10961143	G	A	G	A	0.203506	-0.0721	0.0482686	0.186578	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	1.4E+07	0.0382	476306	0.0588898	TRUE	igd	9	13564220	0.040055	3.86E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00381	25.3508	25.8134	2	TRUE	0.0038743	6639	7.48E-06	476306	TRUE	1.43E-06
rs114498622	C	A	C	A	0.3472	-0.6864	0.0155838	0.01495	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	2.1E+08	0.5728	476306	0.2308	TRUE	igd	2	213698079	0.075488	4.32E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.0037	24.639	21.1544	2	TRUE	0.0031772	6639	3.01E-06	476306	TRUE	9.67E-06
rs1168036	G	A	G	A	0.106914	0.001	0.737927	0.697591	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	6.3E+07	0.0332	476306	0.977	TRUE	igd	1	62497063	0.019562	4.78E-08	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00442	29.4735	29.8708	2	TRUE	0.0044805	6639	1.90E-09	476306	TRUE	5.97E-08
rs12113214	A	T	A	T	0.0931266	-0.0098	0.322946	0.299815	FALSE	TRUE	FALSE	ebi-a-GCST9001884	7	6569774	0.0323	476306	0.7624	TRUE	igd	7	6530143	0.018788	7.34E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00379	25.2669	24.57	2	TRUE	0.0036883	6639	1.93E-07	476306	TRUE	1.04E-06
rs13101957	A	C	A	C	-0.121723	-0.0228	0.130141	0.135501	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	1.7E+08	0.0512	476306	0.655399	TRUE	igd	4	169278135	0.025996	2.89E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00335	22.3393	21.924	2	TRUE	0.0032924	6639	4.16E-07	476306	TRUE	4.33E-06
rs13281002	A	G	A	G	-0.26163	0.3299	0.0268241	0.030631	FALSE	FALSE	FALSE	ebi-a-GCST9001884	8	6.7E+07	0.1272	476306	0.0095069	TRUE	igd	8	65661212	0.053347	9.59E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00357	23.8039	24.0527	2	TRUE	0.0036109	6639	1.41E-05	476306	TRUE	5.04E-06
rs139075653	C	T	C	T	0.645584	0.1172	0.00441822	0.00465582	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	1.1E+08	0.3588	476306	0.744	TRUE	igd	6	114209369	0.138186	3.04E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00367	24.4246	21.8262	2	TRUE	0.0032778	6639	2.24E-07	476306	TRUE	4.26E-06
rs1488201	G	T	G	T	0.0846874	0.0124	0.349732	0.386583	FALSE	FALSE	FALSE	ebi-a-GCST9001884	3	2.7E+07	0.0308	476306	0.6875	TRUE	igd	3	26848389	0.018264	3.60E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00326	21.7213	21.5013	2	TRUE	0.0032292	6639	3.40E-07	476306	TRUE	5.24E-06
rs16968712	C	T	C	T	-0.13193	0.0789	0.119175	0.213284	FALSE	FALSE	FALSE	ebi-a-GCST9001884	13	1.1E+08	0.0335	476306	0.01837	TRUE	igd	13	106475436	0.02806	2.63E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00365	24.3419	22.1062	2	TRUE	0.0033197	6639	1.16E-05	476306	TRUE	1.13E-05
rs17231506	T	C	T	C	0.142778	-0.0079	0.27829	0.286315	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	5.7E+07	0.0339	476306	0.8155	TRUE	igd	16	56960616	0.019212	1.20E-13	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00819	54.7969	55.2297	2	TRUE	0.0082528	6639	1.14E-07	476306	TRUE	2.10E-13
rs174566	G	A	G	A	0.316974	-0.0678	0.408433	0.375138	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.02559	TRUE	igd	11	61824890	0.017255	1.46E-73	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.04855	338.679	337.472	2	TRUE	0.0483867	6639	1.04E-05	476306	TRUE	4.15E-71
rs17614174	C	T	C	T	-0.187387	-0.0276	0.0523856	0.0919928	FALSE	FALSE	FALSE	ebi-a-GCST9001884	5	1.7E+07	0.0758	476306	0.716199	TRUE	igd	5	16862310	0.040485	3.75E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00349	23.2189	21.4237	2	TRUE	0.0032175	6639	2.78E-07	476306	TRUE	5.33E-06
rs184289628	G	T	G	T	0.298947	-0.0423	0.0181655	0.0142861	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	1.4E+08	0.2053	476306	0.8367	TRUE	igd	6	139585552	0.064527	3.67E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00319	21.2257	21.4635	2	TRUE	0.0032235	6639	8.91E-08	476306	TRUE	4.79E-06
rs1911704	C	G	C	G	-0.0835307	0.0211	0.349079	0.408866	FALSE	TRUE	FALSE	ebi-a-GCST9001884	2	4.2E+07	0.036	476306	0.5572	TRUE	igd	2	41471833	0.018224	4.65E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00317	21.1118	21.0101	2	TRUE	0.0031556	6639	7.21E-07	476306	TRUE	7.44E-06
rs35960238	G	A	G	A	-0.130981	-0.018	0.12659	0.0901059	FALSE	FALSE	FALSE	ebi-a-GCST9001884	10	2.7E+07	0.0633	476306	0.7756	TRUE	igd	10	26331627	0.026106	5.37E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00379	25.2747	25.174	2	TRUE	0.0037786	6639	1.70E-07	476306	TRUE	7.58E-07
rs4335452	A	G	A	G	-0.103485	-0.001	0.800119	0.756673	FALSE	FALSE	FALSE	ebi-a-GCST9001884	10	5914799	0.054	476306	0.9848	TRUE	igd	10	5872836	0.022391	3.88E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00343	22.8125	21.3601	2	TRUE	0.003208	6639	7.20E-10	476306	TRUE	4.54E-06
rs4382917	A	G	A	G	-0.10076	0.1202	0.255777	0.196075	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.044	476306	0.006353	TRUE	igd	11	62454004	0.020567	9.84E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00387	25.7528	24.0017	2	TRUE	0.0036033	6639	1.57E-05	476306	TRUE	5.58E-06
rs551412	T	A	T	A	0.0884124	0.0111	0.286012	0.294374	FALSE	TRUE	FALSE	ebi-a-GCST9001884	9	1.4E+08	0.0322	476306	0.731499	TRUE	igd	9	132450788	0.019287	4.64E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00319	21.2565	21.0126	2	TRUE	0.003156	6639	2.49E-07	476306	TRUE	6.51E-06
rs55727637	T	C	T	C	0.110967	0.035	0.298983	0.330448	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	1.5E+07	0.0307	476306	0.2538	TRUE	igd	16	15051395	0.018977	5.22E-09	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00516	34.4359	34.1944	2	TRUE	0.0051257	6639	2.73E-06	476306	TRUE	1.44E-08
rs56144603	A	G	A	G	0.247378	-0.04	0.0315362	0.0905716	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	7.4E+07	0.0429	476306	0.3505	TRUE	igd	6	73220880	0.051256	1.42E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00374	24.9025	23.2937	2	TRUE	0.0034974	6639	1.83E-06	476306	TRUE	2.86E-06
rs633695	G	A	G	A	0.0930243	0.0259	0.313941	0.393765	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0319	476306	0.4157	TRUE	igd	15	58433640	0.018943	9.28E-07	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00373	24.8328	24.116	2	TRUE	0.0036204	6639	1.38E-06	476306	TRUE	1.77E-06
rs75097472	A	G	A	G	-0.382925	0.2837	0.0114815	0.0252912	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	1.3E+08	0.1368	476306	0.0381101	TRUE	igd	12	130443132	0.083542	4.65E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00333	22.1646	21.0094	2	TRUE	0.0031555	6639	9.03E-06	476306	TRUE	1.66E-05
rs77404354	T	C	T	C	-0.478427	0.0082	0.00845274	0.021693	FALSE	FALSE	FALSE	ebi-a-GCST9001884	8	6.6E+07	0.1476	476306	0.9559	TRUE	igd	8	64641039	0.100212	1.84E-06	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00384	25.5631	22.7925	2	TRUE	0.0034224	6639	6.48E-09	476306	TRUE	2.23E-06
rs964184	C	G	C	G	-0.140695	-0.0642	0.848991	0.827699	FALSE	TRUE	FALSE	ebi-a-GCST9001884	11	1.2E+08	0.0365	476306	0.0785001	TRUE	igd	11	116778201	0.024077	5.34E-09	ebi-PL179-GCST9027727	6639	TRUE	reported	MedicineITLab	0.00508	33.8591	34.1481	2	TRUE	0.0051188	6639	6.50E-06	476306	TRUE	2.25E-08
rs113394924	G	T	G	T	0.213662	-0.0062	0.0873313	0.0483035	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.1164	476306	0.9572	TRUE	igd	11	62314821	0.029626	6.09E-13	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00728	52.5751	52.0126	2	TRUE	0.0072	7174	5.96E-09	476306	TRUE	9.15E-13
rs116438525	T	C	T	C	-0.47024	0.1864	0.00708978	0.00995443	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	1.8E+08	0.2299	476306	0.4174	TRUE	igd	4	181645150	0.101956	4.05E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00311	22.3978	21.2723	2	TRUE	0.0029572	7174	1.38E-06	476306	TRUE	7.59E-06
rs116643980	T	G	T	G	0.16746	0.0215	0.0555543	0.0251174	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	4907719	0.1748	476306	0.9019	TRUE	igd	1	4847659	0.036604	4.84E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00294	21.1674	20.9296	2	TRUE	0.0029097	7174	3.18E-08	476306	TRUE	6.09E-06
rs1251003	A	T	A	T	-0.143925	0.0104	0.0898883	0.0811455	FALSE	TRUE	FALSE	ebi-a-GCST9001884	8	8711606	0.0563	476306	0.8535	TRUE	igd	8	8854096	0.029646	1.23E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00339	24.3902	23.5685	2	TRUE	0.0032754	7174	7.16E-08	476306	TRUE	1.64E-06
rs141391095	G	A	G	A	-0.28091	-0.2474	0.0208715	0.0330331	FALSE	FALSE	FALSE	ebi-a-GCST9001884	17	1.1E+07	0.1254	476306	0.0485199	TRUE	igd	17	10763022	0.059703	2.58E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00323	23.206	22.138	2	TRUE	0.0030772	7174	8.17E-06	476306	TRUE	9.55E-06
rs147549994	T	G	T	G	0.246269	0.1778	0.035936	0.0200299	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	1989265	0.1881	476306	0.3446	TRUE	igd	16	1939264	0.045276	5.51E-08	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.0042	30.2659	29.5865	2	TRUE	0.0041083	7174	1.88E-06	476306	TRUE	1.29E-07
rs174533	A	G	A	G	-0.597747	-0.0699	0.408601	0.373142	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.02146	TRUE	igd	11	61781553	0.015531	1.00E-200	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.17268	1496.97	1481.3	2	TRUE	0.1711828	7174	1.11E-05	476306	TRUE	4.61E-295
rs187429064	G	A	G	A	-0.226182	-0.1272	0.0535314	0.0241167	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	1.9E+07	0.1798	476306	0.4792	TRUE	igd	19	19269704	0.037687	2.04E-09	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00518	37.373	36.0193	2	TRUE	0.0049971	7174	1.05E-06	476306	TRUE	4.48E-09
rs2943813	C	T	C	T	-0.139019	-0.0188	0.782953	0.830563	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.1E+07	0.0503	476306	0.7082	TRUE	igd	11	61490996	0.020392	9.96E-12	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00657	47.4209	46.4769	2	TRUE	0.0064386	7174	2.93E-07	476306	TRUE	1.90E-11
rs3018617	G	A	G	A	-0.108239	0.0364	0.301508	0.40179	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0327	476306	0.2658	TRUE	igd	11	62435462	0.018783	8.62E-09	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00493	35.5669	33.2083	2	TRUE	0.0046089	7174	2.60E-06	476306	TRUE	2.41E-08
rs3820438	C	G	C	G	0.0890593	-0.0224	0.290801	0.292665	FALSE	TRUE	FALSE	ebi-a-GCST9001884	1	2E+08	0.032	476306	0.4851	TRUE	igd	1	201955621	0.01829	1.15E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00327	23.5405	23.7092	2	TRUE	0.0032949	7174	1.03E-06	476306	TRUE	2.09E-06
rs4756323	T	C	T	C	-0.0775758	0.0223	0.455803	0.516878	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	3.6E+07	0.0308	476306	0.4694	TRUE	igd	11	36469520	0.016647	3.22E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00299	21.4761	21.7155	2	TRUE	0.0030187	7174	1.10E-06	476306	TRUE	5.77E-06
rs499974	A	C	A	C	-0.102702	0.0271	0.232313	0.211641	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	7.5E+07	0.0343	476306	0.4298	TRUE	igd	11	75743976	0.019819	2.26E-07	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00376	27.0846	26.8526	2	TRUE	0.0037301	7174	1.31E-06	476306	TRUE	4.57E-07
rs72709529	A	C	A	C	-0.272456	-0.0807	0.0233496	0.0661663	FALSE	FALSE	FALSE	ebi-a-GCST9001884	14	1E+08	0.0575	476306	0.1609	TRUE	igd	14	101397558	0.055918	1.13E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00339	24.3643	23.7403	2	TRUE	0.0032992	7174	4.14E-06	476306	TRUE	3.13E-06
rs74754540	A	G	A	G	-0.17857	0.1483	0.0491712	0.0322639	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.138	476306	0.2826	TRUE	igd	11	61948885	0.038776	4.19E-06	ebi-PL179-GCST9027728	7174	TRUE	reported	MedicineITLab	0.00298	21.4485	21.2075	2	TRUE	0.0029483	7174	2.42E-06	476306	TRUE	9.10E-06
rs10150075	T	C	T	C	-0.186342	-0.0014	0.0530446	0.0892049	FALSE	FALSE	FALSE	ebi-a-GCST9001884	14	7.3E+07	0.0506	476306	0.9784	TRUE	igd	14	72571809	0.038758	1.56E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00349	24.5111	23.1155	2	TRUE	0.0032904	7004	1.61E-09	476306	TRUE	1.87E-06
rs11792256	G	T	G	T	-0.132598	0.0206	0.103047	0.115228	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	874977	0.07	476306	0.767901	TRUE	igd	9	874977	0.027705	1.73E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00325	22.8321	22.9069	2	TRUE	0.0032608	7004	1.82E-07	476306	TRUE	2.44E-06
rs139606388	T	C	T	C	-0.24407	-0.2409	0.0291319	0.023776	FALSE	FALSE	FALSE	ebi-a-GCST9001884	5	1.3E+08	0.1519	476306	0.1128	TRUE	igd	5	134851174	0.049923	1.04E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00337	23.6742	23.9018	2	TRUE	0.003402	7004	5.28E-06	476306	TRUE	3.17E-06
rs143578075	A	G	A	G	-0.177456	0.034	0.049905	0.0615107	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	4.7E+07	0.092	476306	0.7114	TRUE	igd	12	46987694	0.038418	3.92E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00299	20.9722	21.3355	2	TRUE	0.0030378	7004	2.87E-07	476306	TRUE	5.67E-06
rs174530	G	A	G	A	-0.167131	-0.0743	0.414119	0.389717	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0303	476306	0.0141299	TRUE	igd	11	61779120	0.017116	2.21E-22	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.01355	96.2116	95.3475	2	TRUE	0.0134342	7004	1.26E-05	476306	TRUE	6.86E-21
rs2067613	C	T	C	T	-0.0895605	-0.0389	0.706892	0.578365	FALSE	FALSE	FALSE	ebi-a-GCST9001884	3	1.8E+08	0.0374	476306	0.298	TRUE	igd	3	176189554	0.018682	1.67E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00332	23.3513	22.9819	2	TRUE	0.0032715	7004	2.27E-06	476306	TRUE	3.64E-06
rs2619330	T	G	T	G	0.125986	-0.0409	0.111661	0.107965	FALSE	FALSE	FALSE	ebi-a-GCST9001884	3	1.2E+08	0.0529	476306	0.4392	TRUE	igd	3	124802671	0.02705	3.26E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00315	22.118	21.692	2	TRUE	0.0030884	7004	1.26E-06	476306	TRUE	5.96E-06
rs4987173	A	G	A	G	0.102216	0.0193	0.393394	0.359982	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	4.3E+07	0.0353	476306	0.585	TRUE	igd	6	42963486	0.017282	3.48E-09	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00499	35.091	34.9836	2	TRUE	0.0049714	7004	6.28E-07	476306	TRUE	6.61E-09
rs61900787	C	T	C	T	0.0786755	0.0468	0.414617	0.415982	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	4.3E+07	0.031	476306	0.131	TRUE	igd	11	42654689	0.017111	4.34E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.003	21.1021	21.1404	2	TRUE	0.0030101	7004	4.79E-06	476306	TRUE	1.19E-05
rs62345669	A	G	A	G	-0.472208	-0.0252	0.00798403	0.020629	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	1.5E+08	0.1597	476306	0.8747	TRUE	igd	4	147476374	0.099964	2.36E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00353	24.8197	22.3143	2	TRUE	0.0031767	7004	5.23E-08	476306	TRUE	3.05E-06
rs72827432	T	G	T	G	0.111439	-8.00E-04	0.180542	0.231969	FALSE	FALSE	FALSE	ebi-a-GCST9001884	17	1.8E+07	0.0336	476306	0.9814	TRUE	igd	17	18166314	0.021828	3.38E-07	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00367	25.8244	26.0653	2	TRUE	0.0037087	7004	1.19E-09	476306	TRUE	4.15E-07
rs7542307	T	C	T	C	0.0844564	0.0919	0.347003	0.381044	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	2.2E+08	0.0313	476306	0.003352	TRUE	igd	1	222093891	0.017739	1.96E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.00323	22.7074	22.6666	2	TRUE	0.0032267	7004	1.81E-05	476306	TRUE	1.24E-05
rs7974440	A	G	A	G	-0.116279	0.0456	0.137326	0.115593	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	5.9E+07	0.054	476306	0.3985	TRUE	igd	12	59019021	0.024707	2.57E-06	ebi-PL179-GCST9027730	7004	TRUE	reported	MedicineITLab	0.0032	22.5034	22.1494	2	TRUE	0.0031533	7004	1.50E-06	476306	TRUE	4.93E-06
rs1077834	C	T	C	T	0.0986416	-0.0037	0.266328	0.301179	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0315	476306	0.9075	TRUE	igd	15	58431280	0.019206	2.88E-07	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.0038	27.3718	26.3777	2	TRUE	0.0036649	7173	2.90E-08	476306	TRUE	3.78E-07
rs113394924	G	T	G	T	0.18654	-0.0062	0.0873313	0.0483035	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.1164	476306	0.9572	TRUE	igd	11	62314821	0.029691	3.52E-10	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00555	39.9993	39.473	2	TRUE	0.0054744	7173	5.96E-09	476306	TRUE	4.87E-10
rs147549994	T	G	T	G	0.232307	0.1778	0.035936	0.0200299	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	1989265	0.1881	476306	0.3446	TRUE	igd	16	1939264	0.045386	3.16E-07	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00374	26.9152	26.1984	2	TRUE	0.0036401	7173	1.88E-06	476306	TRUE	6.98E-07
rs147797702	C	T	C	T	-0.489187	-0.1527	0.00935496	0.0118889	FALSE	FALSE	FALSE	ebi-a-GCST9001884	18	5E+07	0.2105	476306	0.4683	TRUE	igd	18	52743009	0.089017	4.03E-08	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00444	31.9485	30.1999	2	TRUE	0.0041937	7173	1.10E-06	476306	TRUE	8.23E-08
rs1555289	C	T	C	T	0.0947847	0.0417	0.768322	0.79941	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	2.3E+08	0.0371	476306	0.2613	TRUE	igd	1	230156752	0.019575	1.31E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.0032	23.0094	23.446	2	TRUE	0.0032589	7173	2.65E-06	476306	TRUE	3.07E-06
rs173539	T	C	T	C	0.0848865	0.0107	0.282691	0.317009	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	5.7E+07	0.0315	476306	0.7348	TRUE	igd	16	56954132	0.018448	4.26E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00292	21.0173	21.1728	2	TRUE	0.0029439	7173	2.42E-07	476306	TRUE	6.09E-06
rs174537	T	G	T	G	-0.507503	-0.0711	0.407753	0.371986	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.0192402	TRUE	igd	11	61785208	0.015992	1.00E-200	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.1244	1018.78	1007.1	2	TRUE	0.1231457	7173	1.15E-05	476306	TRUE	1.53E-204
rs187429064	G	A	G	A	-0.276291	-0.1272	0.0535314	0.0241167	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	1.9E+07	0.1798	476306	0.4792	TRUE	igd	19	19269704	0.037729	2.68E-13	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00774	55.9024	53.6261	2	TRUE	0.0074227	7173	1.05E-06	476306	TRUE	7.35E-13
rs2943813	C	T	C	T	-0.129638	-0.0188	0.782953	0.830563	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.1E+07	0.0503	476306	0.7082	TRUE	igd	11	61490996	0.020413	2.26E-10	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00571	41.1957	40.3337	2	TRUE	0.0055931	7173	2.93E-07	476306	TRUE	4.06E-10
rs3018617	G	A	G	A	-0.0918283	0.0364	0.301508	0.40179	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0327	476306	0.2658	TRUE	igd	11	62435462	0.018818	1.08E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00355	25.5604	23.8133	2	TRUE	0.0033098	7173	2.60E-06	476306	TRUE	2.54E-06
rs531117	T	C	T	C	-0.113887	0.0251	0.232379	0.212028	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	7.5E+07	0.0343	476306	0.4647	TRUE	igd	11	75745089	0.019845	9.96E-09	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00463	33.3362	32.9331	2	TRUE	0.0045715	7173	1.12E-06	476306	TRUE	2.12E-08
rs61978272	T	C	T	C	-0.0981277	0.0165	0.282398	0.361059	FALSE	FALSE	FALSE	ebi-a-GCST9001884	14	9.5E+07	0.0328	476306	0.6141	TRUE	igd	14	94523321	0.018625	1.41E-07	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.0039	28.0955	27.757	2	TRUE	0.0038558	7173	5.31E-07	476306	TRUE	2.41E-07
rs641738	C	T	C	T	-0.0851942	-0.0484	0.592842	0.625115	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	5.5E+07	0.0329	476306	0.1408	TRUE	igd	19	54173068	0.017047	5.94E-07	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.0035	25.2148	24.9755	2	TRUE	0.0034708	7173	4.54E-06	476306	TRUE	1.77E-06
rs6850591	C	T	C	T	-0.0807281	-0.0417	0.541315	0.44467	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	1.4E+08	0.035	476306	0.234	TRUE	igd	4	140028398	0.016828	1.64E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00324	23.2826	23.013	2	TRUE	0.0031989	7173	2.98E-06	476306	TRUE	3.96E-06
rs75976069	C	T	C	T	-0.260712	-0.0885	0.0262383	0.0231181	FALSE	FALSE	FALSE	ebi-a-GCST9001884	14	8E+07	0.1564	476306	0.5713	TRUE	igd	14	79220260	0.053834	1.31E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00347	24.9937	23.4536	2	TRUE	0.0032599	7173	6.72E-07	476306	TRUE	2.19E-06
rs79113397	C	T	C	T	0.0995155	-0.0424	0.228567	0.150425	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	1E+08	0.0416	476306	0.3079	TRUE	igd	2	101570369	0.020105	7.59E-07	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00349	25.1317	24.5002	2	TRUE	0.0034049	7173	2.18E-06	476306	TRUE	1.70E-06
rs793864	C	G	C	G	-0.101981	0.0269	0.817577	0.77982	FALSE	TRUE	FALSE	ebi-a-GCST9001884	19	7617375	0.0347	476306	0.4387	TRUE	igd	19	7552489	0.021803	2.95E-06	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.0031	22.3155	21.8787	2	TRUE	0.0030417	7173	1.26E-06	476306	TRUE	5.48E-06
rs8107974	T	A	T	A	-0.190759	0.0586	0.0624678	0.0777196	FALSE	TRUE	FALSE	ebi-a-GCST9001884	19	1.9E+07	0.0526	476306	0.2649	TRUE	igd	19	19277691	0.034384	3.00E-08	ebi-PL179-GCST9027731	7173	TRUE	reported	MedicineITLab	0.00426	30.6957	30.7796	2	TRUE	0.0042739	7173	2.61E-06	476306	TRUE	8.02E-08
rs10779836	T	C	T	C	0.103551	-0.0051	0.77689	0.755763	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	2.3E+08	0.0333	476306	0.8781	TRUE	igd	1	230167404	0.020799	6.56E-07	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00372	24.6736	24.787	2	TRUE	0.0037342	6615	4.92E-08	476306	TRUE	8.52E-07
rs10896384	A	G	A	G	0.0878765	-0.0271	0.382181	0.29838	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.9E+07	0.0334	476306	0.4181	TRUE	igd	11	68952542	0.017892	9.23E-07	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00365	24.2042	24.1231	2	TRUE	0.0036346	6615	1.38E-06	476306	TRUE	1.76E-06
rs11208004	A	G	A	G	-0.0924266	-0.0024	0.261773	0.27918	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	6.3E+07	0.036	476306	0.9474	TRUE	igd	1	62679768	0.019804	3.11E-06	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.0033	21.9065	21.7815	2	TRUE	0.0032829	6615	9.33E-09	476306	TRUE	3.76E-06
rs138827081	A	G	A	G	-0.582763	0.1825	0.00492728	0.0103759	FALSE	FALSE	FALSE	ebi-a-GCST9001884	5	9.9E+07	0.212	476306	0.3895	TRUE	igd	5	99176070	0.122406	1.97E-06	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00333	22.0965	22.6662	2	TRUE	0.0034158	6615	1.56E-06	476306	TRUE	3.76E-06
rs150057262	G	C	G	C	-0.204129	-0.071	0.0521856	0.0229954	FALSE	TRUE	FALSE	ebi-a-GCST9001884	19	1.9E+07	0.1891	476306	0.707499	TRUE	igd	19	19210016	0.040604	5.10E-07	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00412	27.372	25.2744	2	TRUE	0.0038074	6615	2.96E-07	476306	TRUE	7.60E-07
rs174548	G	C	G	C	0.209516	-0.0622	0.383631	0.349867	FALSE	TRUE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0307	476306	0.04246	TRUE	igd	11	61803876	0.017827	1.40E-31	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.02076	140.194	138.128	2	TRUE	0.02046	6615	8.62E-06	476306	TRUE	4.49E-30
rs2096994	A	C	A	C	-0.105224	0.0134	0.232442	0.277535	FALSE	FALSE	FALSE	ebi-a-GCST9001884	18	5E+07	0.0316	476306	0.6712	TRUE	igd	18	52821119	0.020847	4.59E-07	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00395	26.2303	25.4767	2	TRUE	0.0038377	6615	3.78E-07	476306	TRUE	7.07E-07
rs2347672	C	A	C	A	-0.0933703	0.0304	0.674294	0.634542	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	4.4E+07	0.0337	476306	0.367	TRUE	igd	4	43914879	0.01848	4.46E-07	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00383	25.4207	25.5289	2	TRUE	0.0038456	6615	1.71E-06	476306	TRUE	9.17E-07
rs695112	T	A	T	A	-0.109465	0.0123	0.240793	0.224227	FALSE	TRUE	FALSE	ebi-a-GCST9001884	11	7.5E+07	0.0336	476306	0.715501	TRUE	igd	11	75745535	0.020492	9.51E-08	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00438	29.0998	28.5358	2	TRUE	0.0042966	6615	2.81E-07	476306	TRUE	1.46E-07
rs75719904	G	A	G	A	0.209155	-0.2937	0.0434307	0.0245281	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	2.6E+07	0.1571	476306	0.0616098	TRUE	igd	12	26133418	0.044153	2.21E-06	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00363	24.1246	22.4401	2	TRUE	0.0033818	6615	7.34E-06	476306	TRUE	7.37E-06
rs76833802	T	C	T	C	-0.154114	-0.0577	0.0836745	0.110138	FALSE	FALSE	FALSE	ebi-a-GCST9001884	7	1.6E+08	0.0714	476306	0.4188	TRUE	igd	7	155488156	0.032752	2.58E-06	ebi-PL179-GCST9027731	6615	TRUE	reported	MedicineITLab	0.00364	24.1735	22.1414	2	TRUE	0.003337	6615	1.37E-06	476306	TRUE	4.75E-06
rs11918522	A	G	A	G	0.105823	-0.0259	0.158871	0.144948	FALSE	FALSE	FALSE	ebi-a-GCST9001884	3	1.1E+08	0.0463	476306	0.5755	TRUE	igd	3	112816210	0.022958	4.10E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00299	21.4817	21.2469	2	TRUE	0.0029603	7158	6.57E-07	476306	TRUE	6.65E-06
rs140661870	T	C	T	C	-0.320837	0.1946	0.015071	0.024021	FALSE	FALSE	FALSE	ebi-a-GCST9001884	22	3.3E+07	0.1467	476306	0.1847	TRUE	igd	22	32427941	0.070129	4.84E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00306	21.9354	20.9304	2	TRUE	0.0029164	7158	3.69E-06	476306	TRUE	1.20E-05
rs1532085	G	A	G	A	-0.0860138	-0.0319	0.573441	0.554037	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0298	476306	0.2851	TRUE	igd	15	58391167	0.01685	3.40E-07	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00362	25.9944	26.058	2	TRUE	0.0036282	7158	2.41E-06	476306	TRUE	8.09E-07
rs17086339	C	G	C	G	-0.116679	0.0448	0.130197	0.143095	FALSE	TRUE	FALSE	ebi-a-GCST9001884	5	9.6E+07	0.038	476306	0.2388	TRUE	igd	5	96599571	0.024834	2.67E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00308	22.1334	22.0738	2	TRUE	0.0030752	7158	2.92E-06	476306	TRUE	6.27E-06
rs17231506	T	C	T	C	0.121663	-0.0079	0.27829	0.286315	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	5.7E+07	0.0339	476306	0.8155	TRUE	igd	16	56960616	0.018569	6.06E-11	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00595	42.8023	42.9293	2	TRUE	0.0059633	7158	1.14E-07	476306	TRUE	9.92E-11
rs174574	C	A	C	A	-0.181467	0.0694	0.590933	0.623478	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.02225	TRUE	igd	11	61832870	0.016954	1.55E-26	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.01592	115.771	114.567	2	TRUE	0.0157577	7158	1.09E-05	476306	TRUE	5.87E-25
rs4579316	C	T	C	T	-0.107562	-0.02	0.833502	0.794382	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	7.6E+07	0.034	476306	0.5567	TRUE	igd	6	75047845	0.022434	1.66E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00321	23.0532	22.9876	2	TRUE	0.0032021	7158	7.26E-07	476306	TRUE	2.81E-06
rs6741227	T	C	T	C	0.0847624	-0.03	0.328871	0.260623	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	2.1E+08	0.0351	476306	0.3929	TRUE	igd	2	207017121	0.018072	2.78E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00317	22.7676	21.9993	2	TRUE	0.0030648	7158	1.53E-06	476306	TRUE	5.39E-06
rs75804573	A	G	A	G	0.108886	0.0044	0.149757	0.0894371	FALSE	FALSE	FALSE	ebi-a-GCST9001884	20	4.3E+07	0.0654	476306	0.9468	TRUE	igd	20	44186250	0.023725	4.52E-06	ebi-PL179-GCST9027732	7158	TRUE	reported	MedicineITLab	0.00302	21.6714	21.0634	2	TRUE	0.0029348	7158	9.50E-09	476306	TRUE	5.50E-06
rs11057853	C	T	C	T	-0.0880746	-0.0172	0.453524	0.454809	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	1.3E+08	0.0294	476306	0.5592	TRUE	igd	12	124844767	0.016822	1.69E-07	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00385	27.6832	27.4127	2	TRUE	0.0038076	7174	7.19E-07	476306	TRUE	3.03E-07
rs11173828	A	G	A	G	-0.159577	-0.0737	0.0688206	0.0546902	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	6.2E+07	0.1021	476306	0.4703	TRUE	igd	12	61209189	0.032804	1.17E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00326	23.4846	23.6647	2	TRUE	0.0032887	7174	1.09E-06	476306	TRUE	2.16E-06
rs117215929	C	T	C	T	-0.199889	-0.345	0.0415855	0.0274913	FALSE	FALSE	FALSE	ebi-a-GCST9001884	18	2.5E+07	0.1485	476306	0.0202199	TRUE	igd	18	27258198	0.042927	3.27E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00318	22.9155	21.6834	2	TRUE	0.0030142	7174	1.13E-05	476306	TRUE	1.45E-05
rs145755646	G	C	G	C	0.184261	-0.057	0.0645671	0.0512882	FALSE	TRUE	FALSE	ebi-a-GCST9001884	17	5.7E+07	0.1056	476306	0.5894	TRUE	igd	17	59341291	0.034181	7.23E-08	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.0041	29.5356	29.061	2	TRUE	0.0040357	7174	6.12E-07	476306	TRUE	1.28E-07
rs173539	T	C	T	C	0.0885727	0.0107	0.282691	0.317009	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	5.7E+07	0.0315	476306	0.7348	TRUE	igd	16	56954132	0.018461	1.63E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00318	22.8914	23.0197	2	TRUE	0.0031994	7174	2.42E-07	476306	TRUE	2.38E-06
rs174568	T	C	T	C	-0.381503	-0.0722	0.40512	0.371641	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.0175699	TRUE	igd	11	61826344	0.016461	1.16E-114	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.07015	541.087	537.148	2	TRUE	0.0696767	7174	1.18E-05	476306	TRUE	1.78E-111
rs2678932	C	T	C	T	-0.0813195	0.0244	0.467719	0.412411	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	1.8E+08	0.0298	476306	0.4138	TRUE	igd	2	180057085	0.016662	1.08E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00329	23.6929	23.8202	2	TRUE	0.0033103	7174	1.41E-06	476306	TRUE	2.12E-06
rs3017103	G	A	G	A	0.115568	0.0251	0.803552	0.773459	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0335	476306	0.453	TRUE	igd	11	62406721	0.021159	4.87E-08	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00422	30.3698	29.8313	2	TRUE	0.0041422	7174	1.18E-06	476306	TRUE	1.01E-07
rs34881711	A	G	A	G	0.10677	0.0052	0.229048	0.225091	FALSE	FALSE	FALSE	ebi-a-GCST9001884	5	1.5E+08	0.035	476306	0.8813	TRUE	igd	5	154465674	0.01977	6.84E-08	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00403	28.9918	29.1677	2	TRUE	0.0040504	7174	4.63E-08	476306	TRUE	9.38E-08
rs658580	A	C	A	C	0.0897797	-0.0163	0.72727	0.70619	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	1.2E+08	0.0338	476306	0.6294	TRUE	igd	9	113637327	0.019256	3.18E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.0032	23.0063	21.7391	2	TRUE	0.003022	7174	4.88E-07	476306	TRUE	4.96E-06
rs6601694	A	G	A	G	0.0830397	-0.0145	0.333736	0.26323	FALSE	FALSE	FALSE	ebi-a-GCST9001884	8	8248058	0.0358	476306	0.686099	TRUE	igd	8	8390548	0.017775	3.04E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00307	22.061	21.8249	2	TRUE	0.0030338	7174	3.44E-07	476306	TRUE	4.54E-06
rs6709442	A	G	A	G	0.0946652	0.0177	0.41602	0.46692	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	1.2E+08	0.0297	476306	0.5512	TRUE	igd	2	123584690	0.017066	3.00E-08	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00435	31.3659	30.7704	2	TRUE	0.004272	7174	7.46E-07	476306	TRUE	5.67E-08
rs73422593	G	A	G	A	-0.129808	0.0631	0.11182	0.110748	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	2.2E+07	0.0466	476306	0.1763	TRUE	igd	9	21616162	0.027088	1.68E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00335	24.0852	22.9644	2	TRUE	0.0031917	7174	3.85E-06	476306	TRUE	4.46E-06
rs7554873	C	T	C	T	0.185651	0.0197	0.050428	0.0529149	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	1.6E+08	0.1038	476306	0.8497	TRUE	igd	1	161642443	0.039129	2.13E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.0033	23.752	22.5113	2	TRUE	0.003129	7174	7.56E-08	476306	TRUE	2.82E-06
rs76798309	A	G	A	G	0.297581	0.0803	0.0167524	0.0309092	FALSE	FALSE	FALSE	ebi-a-GCST9001884	7	1.1E+08	0.1256	476306	0.522701	TRUE	igd	7	110642820	0.064734	4.36E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00292	20.9841	21.1324	2	TRUE	0.0029379	7174	8.58E-07	476306	TRUE	7.38E-06
rs77277881	A	G	A	G	-0.498255	-0.1057	0.00735119	0.0317147	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	2E+07	0.0727	476306	0.146	TRUE	igd	1	19722845	0.106419	2.89E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00362	26.0797	21.9212	2	TRUE	0.0030472	7174	4.44E-06	476306	TRUE	7.92E-06
rs7982529	C	T	C	T	0.0924672	-0.026	0.214419	0.242395	FALSE	FALSE	FALSE	ebi-a-GCST9001884	13	4.1E+07	0.0334	476306	0.4359	TRUE	igd	13	40337326	0.020103	4.30E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00288	20.7182	21.157	2	TRUE	0.0029413	7174	1.27E-06	476306	TRUE	7.89E-06
rs79995028	T	G	T	G	-0.635088	0.2113	0.00443818	0.00953849	FALSE	FALSE	FALSE	ebi-a-GCST9001884	14	4.2E+07	0.2178	476306	0.3319	TRUE	igd	14	41287117	0.132312	1.62E-06	ebi-PL179-GCST9027732	7174	TRUE	reported	MedicineITLab	0.00356	25.6544	23.0393	2	TRUE	0.0032021	7174	1.98E-06	476306	TRUE	3.43E-06
rs138202451	A	G	A	G	-0.576104	0.0742	0.00616368	0.0107135	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	6.7E+07	0.1783	476306	0.6771	TRUE	igd	2	66991489	0.111296	2.32E-07	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00407	28.3917	26.7943	2	TRUE	0.0038383	6956	3.64E-07	476306	TRUE	3.67E-07
rs143233558	A	G	A	G	0.149352	-0.0479	0.102158	0.099216	FALSE	FALSE	FALSE	ebi-a-GCST9001884	7	6.4E+07	0.0761	476306	0.5292	TRUE	igd	7	64330243	0.028436	1.55E-07	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00409	28.5719	27.5854	2	TRUE	0.0039512	6956	8.32E-07	476306	TRUE	2.82E-07
rs145755646	G	C	G	C	0.159599	-0.057	0.0645671	0.0512882	FALSE	TRUE	FALSE	ebi-a-GCST9001884	17	5.7E+07	0.1056	476306	0.5894	TRUE	igd	17	59341291	0.034662	4.21E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00308	21.4628	21.2011	2	TRUE	0.0030395	6956	6.12E-07	476306	TRUE	6.67E-06
rs148462060	G	A	G	A	-0.260798	-0.1991	0.0242972	0.0119699	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	1.3E+08	0.249	476306	0.4239	TRUE	igd	2	130169813	0.056029	3.30E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00322	22.4983	21.6666	2	TRUE	0.003106	6956	1.34E-06	476306	TRUE	6.11E-06
rs174536	C	A	C	A	-0.308417	-0.069	0.408477	0.374283	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.0230802	TRUE	igd	11	61784455	0.016945	2.28E-72	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.04597	335.056	331.279	2	TRUE	0.0454723	6956	1.08E-05	476306	TRUE	9.21E-70
rs1800588	T	C	T	C	0.103393	0.0021	0.258046	0.296181	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0314	476306	0.9475	TRUE	igd	15	58431476	0.019692	1.56E-07	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00409	28.5826	27.5678	2	TRUE	0.0039487	6956	9.39E-09	476306	TRUE	1.98E-07
rs34382810	C	A	C	A	0.0858406	-0.0118	0.364635	0.394779	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	2340798	0.0306	476306	0.7001	TRUE	igd	12	2231632	0.017612	1.12E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00341	23.8241	23.7563	2	TRUE	0.0034046	6956	3.12E-07	476306	TRUE	1.67E-06
rs3741252	T	C	T	C	0.150025	0.0173	0.133653	0.160627	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0364	476306	0.634	TRUE	igd	11	61744026	0.024979	1.99E-09	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00521	36.4361	36.0714	2	TRUE	0.0051604	6956	4.74E-07	476306	TRUE	3.63E-09
rs4782783	C	T	C	T	0.125319	0.0267	0.887952	0.906787	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	8.3E+07	0.0577	476306	0.643501	TRUE	igd	16	83381927	0.02704	3.64E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00313	21.7997	21.4788	2	TRUE	0.0030792	6956	4.50E-07	476306	TRUE	5.55E-06
rs6992951	A	C	A	C	-0.0822485	0.0213	0.389948	0.41871	FALSE	FALSE	FALSE	ebi-a-GCST9001884	8	1.8E+07	0.0296	476306	0.4716	TRUE	igd	8	18172468	0.017307	2.05E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00322	22.454	22.5859	2	TRUE	0.0032374	6956	1.09E-06	476306	TRUE	3.68E-06
rs7412	T	C	T	C	0.194136	0.1106	0.053066	0.0647036	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	4.5E+07	0.0641	476306	0.0843199	TRUE	igd	19	44908822	0.037821	2.93E-07	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00379	26.44	26.3474	2	TRUE	0.0037745	6956	6.25E-06	476306	TRUE	1.03E-06
rs79885747	T	C	T	C	0.182052	0.0612	0.049751	0.0432851	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	8.2E+07	0.0607	476306	0.3138	TRUE	igd	9	79739961	0.039679	4.55E-06	ebi-PL179-GCST9027733	6956	TRUE	reported	MedicineITLab	0.00313	21.8604	21.0514	2	TRUE	0.0030181	6956	2.13E-06	476306	TRUE	9.36E-06
rs11057853	C	T	C	T	-0.0940054	-0.0172	0.453524	0.454809	FALSE	FALSE	FALSE	ebi-a-GCST9001884	12	1.3E+08	0.0294	476306	0.5592	TRUE	igd	12	124844767	0.016839	2.45E-08	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00438	31.5496	31.1639	2	TRUE	0.004327	7173	7.19E-07	476306	TRUE	4.62E-08
rs117215929	C	T	C	T	-0.225895	-0.345	0.0415855	0.0274913	FALSE	FALSE	FALSE	ebi-a-GCST9001884	18	2.5E+07	0.1485	476306	0.0202199	TRUE	igd	18	27258198	0.042983	1.52E-07	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00407	29.2879	27.62	2	TRUE	0.0038368	7173	1.13E-05	476306	TRUE	8.23E-07
rs1532085	G	A	G	A	-0.0821576	-0.0319	0.573441	0.554037	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0298	476306	0.2851	TRUE	igd	15	58391167	0.016813	1.05E-06	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.0033	23.758	23.8798	2	TRUE	0.003319	7173	2.41E-06	476306	TRUE	2.39E-06
rs173539	T	C	T	C	0.120675	0.0107	0.282691	0.317009	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	5.7E+07	0.0315	476306	0.7348	TRUE	igd	16	56954132	0.018459	6.68E-11	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00591	42.6025	42.7375	2	TRUE	0.0059245	7173	2.42E-07	476306	TRUE	1.19E-10
rs174536	C	A	C	A	-0.283584	-0.069	0.408477	0.374283	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0304	476306	0.0230802	TRUE	igd	11	61784455	0.016741	3.74E-63	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.03886	289.953	286.96	2	TRUE	0.038477	7173	1.08E-05	476306	TRUE	1.24E-60
rs1800588	T	C	T	C	0.107292	0.0021	0.258046	0.296181	FALSE	FALSE	FALSE	ebi-a-GCST9001884	15	5.9E+07	0.0314	476306	0.9475	TRUE	igd	15	58431476	0.01936	3.09E-08	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00441	31.7495	30.7144	2	TRUE	0.0042649	7173	9.39E-09	476306	TRUE	4.06E-08
rs3017103	G	A	G	A	0.100949	0.0251	0.803552	0.773459	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.0335	476306	0.453	TRUE	igd	11	62406721	0.021177	1.91E-06	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00322	23.1459	22.7229	2	TRUE	0.0031587	7173	1.18E-06	476306	TRUE	3.53E-06
rs4142412	A	G	A	G	0.0936665	0.0443	0.762409	0.667005	FALSE	FALSE	FALSE	ebi-a-GCST9001884	6	3.4E+07	0.0327	476306	0.1754	TRUE	igd	6	34451115	0.019533	1.66E-06	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00318	22.8654	22.9953	2	TRUE	0.0031965	7173	3.85E-06	476306	TRUE	4.39E-06
rs4618752	T	G	T	G	0.0769547	0.0666	0.505896	0.485576	FALSE	FALSE	FALSE	ebi-a-GCST9001884	9	1294441	0.0312	476306	0.0329102	TRUE	igd	9	1294441	0.01659	3.57E-06	ebi-PL179-GCST9027734	7173	TRUE	reported	MedicineITLab	0.00296	21.2935	21.5168	2	TRUE	0.0029916	7173	9.57E-06	476306	TRUE	1.41E-05
rs10897211	A	G	A	G	0.0993843	0.0363	0.335088	0.39927	FALSE	FALSE	FALSE	ebi-a-GCST9001884	11	6.2E+07	0.03	476306	0.227	TRUE	igd	11	62056104	0.018304	5.84E-08	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.0044	29.9821	29.4817	2	TRUE	0.0043282	6784	3.07E-06	476306	TRUE	1.57E-07
rs1168104	G	A	G	A	0.151178	7.00E-04	0.737655	0.697292	FALSE	FALSE	FALSE	ebi-a-GCST9001884	1	6.3E+07	0.0333	476306	0.9836	TRUE	igd	1	62662654	0.019359	6.66E-15	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00885	60.5271	60.9808	2	TRUE	0.0089114	6784	9.28E-10	476306	TRUE	9.99E-15
rs117511121	T	C	T	C	-0.365443	-0.1755	0.0123821	0.0114815	FALSE	FALSE	FALSE	ebi-a-GCST9001884	19	1.8E+07	0.2169	476306	0.4184	TRUE	igd	19	18072285	0.077247	2.28E-06	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00327	22.2245	22.3809	2	TRUE	0.0032892	6784	1.37E-06	476306	TRUE	4.25E-06
rs11769084	A	G	A	G	0.129884	-0.0143	0.104751	0.0523008	FALSE	FALSE	FALSE	ebi-a-GCST9001884	7	7.2E+07	0.1177	476306	0.9034	TRUE	igd	7	72363703	0.028133	3.96E-06	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00316	21.5267	21.3152	2	TRUE	0.0031331	6784	3.10E-08	476306	TRUE	4.94E-06
rs12458441	C	A	C	A	0.146694	0.0431	0.093436	0.108072	FALSE	FALSE	FALSE	ebi-a-GCST9001884	18	4.7E+07	0.0405	476306	0.2875	TRUE	igd	18	49595788	0.029801	8.74E-07	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00365	24.8148	24.2299	2	TRUE	0.00356	6784	2.38E-06	476306	TRUE	1.95E-06
rs12598816	T	G	T	G	-0.0905172	0.0395	0.268016	0.248111	FALSE	FALSE	FALSE	ebi-a-GCST9001884	16	8E+07	0.0368	476306	0.2824	TRUE	igd	16	80253481	0.019397	3.12E-06	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00321	21.8731	21.7776	2	TRUE	0.0032008	6784	2.42E-06	476306	TRUE	6.68E-06
rs1260326	C	T	C	T	-0.0900294	0.114	0.650878	0.574231	FALSE	FALSE	FALSE	ebi-a-GCST9001884	2	2.8E+07	0.0298	476306	0.0001273	TRUE	igd	2	27508073	0.017951	5.42E-07	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00368	25.0747	25.1528	2	TRUE	0.0036951	6784	3.07E-05	476306	TRUE	6.09E-06
rs13147779	C	T	C	T	-0.104445	-0.0621	0.189447	0.181812	FALSE	FALSE	FALSE	ebi-a-GCST9001884	4	1.7E+08	0.0472	476306	0.1884	TRUE	igd	4	169287018	0.021966	2.03E-06	ebi-PL179-GCST9027736	6784	TRUE	reported	MedicineITLab	0.00335	22.7976	22.608	2	TRUE	0.0033224	6784	3.63E-06	476306	TRUE	5.06E-06



Supplementary Table 8: Two-step mediation MR analysis of lipid metabolites in the Immune Cell Phenotypes–EC risk pathways.

Types or markers of immune cells	intermediate metabolite	Indirect Effect(β [95% CI])	Direct Effect(β [95% CI])	Total Effect(β [95% CI])	% of Total Effect[95% CI]
HLA DR on CD33dim HLA DR+ CD11b+	Phosphatidylcholine (18:0_22:6) levels	-0.0238 [-0.0478, 0.0001]	0.0528 [0.0042, 0.1014]	0.0290 [-0.0133, 0.0713]	-0.8215 [-1.6472, 0.0043]
SSC-A on CD8+ T cell	Phosphatidylcholine (O-18:1_20:4) levels	-0.0130 [-0.0261, 0.0001]	0.1384 [0.0465, 0.2303]	0.1254 [0.0344, 0.2163]	-0.1038 [-0.2084, 0.0009]

Supplementary Table 9: Inverse MR Analysis was used to evaluate the estimation of the causal effect of esophageal cancer on immune cell phenotypes.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-a-GCST90018841	ebi-a-GCST90001394	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	0.00164	0.04674	0.97201	-0.09	0.09324	1.00164	0.91397	1.09773	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001395	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	16	0.00983	0.03411	0.77311	-0.057	0.07669	1.00988	0.94457	1.07971	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001419	CD20- B cell %B cell || id:ebi-a-GCST90001419	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	16	0.00379	0.03668	0.91777	-0.0681	0.07568	1.00379	0.93416	1.07861	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001431	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	0.02017	0.03919	0.60675	-0.0566	0.09699	1.02038	0.94493	1.10185	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	0.01439	0.02878	0.61692	-0.042	0.0708	1.0145	0.95886	1.07336	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001443	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	0.00044	0.03366	0.98966	-0.0655	0.06642	1.00044	0.93656	1.06867	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST900014	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	-0.0161	0.02836	0.57029	-0.0717	0.03949	0.98403	0.93082	1.04028	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001459	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	-0.0227	0.04786	0.63542	-0.1165	0.07112	0.97756	0.89002	1.07371	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001566	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	-0.0007	0.02334	0.9751	-0.0465	0.04502	0.99927	0.95459	1.04605	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001590	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	0.00048	0.02753	0.98612	-0.0535	0.05444	1.00048	0.94792	1.05595	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001610	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	-0.0088	0.03104	0.77595	-0.0697	0.05201	0.9912	0.93269	1.05339	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001742	CD19 on transitional B cell || id:ebi-a-GCST90001742	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	-0.002	0.03659	0.95616	-0.0737	0.0697	0.99799	0.92893	1.07218	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001747	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	12	-0.0082	0.02978	0.78315	-0.0666	0.05017	0.99184	0.93561	1.05145	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001845	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	0.00303	0.03368	0.9282	-0.063	0.06904	1.00304	0.93897	1.07148	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001847	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	-0.0076	0.04978	0.87865	-0.1052	0.08997	0.99243	0.90017	1.09415	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001872	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	10	0.00121	0.06725	0.98564	-0.1306	0.13301	1.00121	0.87758	1.14226	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001954	CD33 on basophil || id:ebi-a-GCST90001954	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	0.01291	0.04282	0.76297	-0.071	0.09684	1.013	0.93145	1.10168	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001977	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	0.01887	0.03957	0.63348	-0.0587	0.09643	1.01905	0.943	1.10123	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	-0.014	0.02819	0.61911	-0.0693	0.04124	0.98608	0.93307	1.04211	0.98966
ebi-a-GCST90018841	ebi-a-GCST90002001	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	0.00132	0.04082	0.97417	-0.0787	0.08132	1.00132	0.92433	1.08472	0.98966
ebi-a-GCST90018841	ebi-a-GCST90002040	CD80 on granulocyte || id:ebi-a-GCST90002040	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	-0.0255	0.04604	0.57982	-0.1157	0.06475	0.97483	0.89071	1.06689	0.98966
ebi-a-GCST90018841	ebi-a-GCST90002074	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	13	0.00529	0.03363	0.87497	-0.0606	0.07121	1.00531	0.94118	1.0738	0.98966
ebi-a-GCST90018841	ebi-a-GCST90002082	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	18	-0.0118	0.02733	0.66486	-0.0654	0.04173	0.98823	0.93668	1.04262	0.98966
ebi-a-GCST90018841	ebi-a-GCST90002110	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	12	-0.0273	0.04989	0.58454	-0.1251	0.0705	0.97309	0.88245	1.07304	0.98966
ebi-a-GCST90018841	ebi-a-GCST90001394	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	0.02696	0.09588	0.78798	-0.161	0.21489	1.02733	0.85133	1.23972	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001395	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	16	-0.0021	0.05994	0.97271	-0.1196	0.11539	0.99791	0.8873	1.12232	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001419	CD20- B cell %B cell || id:ebi-a-GCST90001419	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	16	0.03408	0.07113	0.63924	-0.1053	0.17349	1.03467	0.90003	1.18945	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001431	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	0.04882	0.07826	0.55256	-0.1046	0.20221	1.05003	0.90071	1.2241	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	0.02245	0.04588	0.63428	-0.0675	0.11237	1.0227	0.93475	1.11892	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001443	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	0.02284	0.06035	0.71233	-0.0955	0.14112	1.0231	0.90896	1.15157	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST900014	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	-0.0145	0.03876	0.71603	-0.0904	0.0615	0.98564	0.91353	1.06343	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001459	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	-0.0306	0.08239	0.72159	-0.1921	0.13092	0.96989	0.82526	1.13987	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001566	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	0.00322	0.03041	0.91861	-0.0564	0.06283	1.00323	0.94517	1.06484	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001590	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	-0.0156	0.03889	0.70223	-0.0918	0.06062	0.98452	0.91228	1.06249	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001610	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	-0.0064	0.04809	0.8968	-0.1006	0.08788	0.99364	0.90426	1.09185	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001742	CD19 on transitional B cell || id:ebi-a-GCST90001742	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	0.00533	0.07357	0.94357	-0.1389	0.14953	1.00534	0.87034	1.16128	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001747	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	12	-0.0152	0.04518	0.74416	-0.1037	0.0734	0.98495	0.90148	1.07616	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001845	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	0.01661	0.051	0.75217	-0.0834	0.11657	1.01674	0.92002	1.12363	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001847	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	0.00568	0.19266	0.97711	-0.3719	0.3833	1.0057	0.6894	1.46711	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001872	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	10	0.00404	0.16433	0.98099	-0.318	0.32613	1.00405	0.72757	1.38559	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001954	CD33 on basophil || id:ebi-a-GCST90001954	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	0.01249	0.05625	0.82929	-0.0978	0.12274	1.01256	0.90686	1.1306	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001977	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	0.04937	0.07432	0.52019	-0.0963	0.19504	1.05061	0.90819	1.21536	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	-0.0029	0.03623	0.93899	-0.0739	0.06815	0.99715	0.9288	1.07053	0.99246
ebi-a-GCST90018841	ebi-a-GCST90002001	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	0.00087	0.08954	0.99246	-0.1746	0.17636	1.00087	0.83978	1.19287	0.99246
ebi-a-GCST90018841	ebi-a-GCST90002040	CD80 on granulocyte || id:ebi-a-GCST90002040	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	-0.0599	0.10232	0.56995	-0.2605	0.14063	0.94184	0.77069	1.151	0.99246
ebi-a-GCST90018841	ebi-a-GCST90002074	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	13	0.00292	0.05339	0.95738	-0.1017	0.10756	1.00292	0.90328	1.11356	0.99246
ebi-a-GCST90018841	ebi-a-GCST90002082	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	18	-0.0055	0.04271	0.89895	-0.0892	0.0782	0.9945	0.91464	1.08134	0.99246
ebi-a-GCST90018841	ebi-a-GCST90002110	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	12	-0.019	0.10984	0.86639	-0.2342	0.19633	0.98122	0.79116	1.21692	0.99246
ebi-a-GCST90018841	ebi-a-GCST90001394	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	0.00753	0.05716	0.89524	-0.1045	0.11956	1.00756	0.90077	1.12701	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001395	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	16	0.00632	0.0422	0.88091	-0.0764	0.08904	1.00634	0.92645	1.09312	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001419	CD20- B cell %B cell || id:ebi-a-GCST90001419	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	16	0.00513	0.04431	0.90783	-0.0817	0.09197	1.00514	0.92154	1.09633	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001431	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	0.02057	0.05075	0.68522	-0.0789	0.12004	1.02078	0.92414	1.12754	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	0.01192	0.04008	0.76608	-0.0666	0.09048	1.012	0.93554	1.0947	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001443	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	-0.0264	0.04366	0.54546	-0.112	0.05917	0.97395	0.89408	1.06096	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST900014	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	-0.0051	0.03702	0.89047	-0.0777	0.06746	0.99491	0.92528	1.06979	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001459	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	-0.0173	0.05953	0.77146	-0.134	0.09939	0.98286	0.87461	1.1045	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001566	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	-0.0056	0.02802	0.84096	-0.0605	0.04929	0.99439	0.94126	1.05053	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001590	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	-0.0022	0.03427	0.94771	-0.0694	0.06492	0.99776	0.93294	1.06707	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001610	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	-0.0124	0.04289	0.77265	-0.0964	0.07167	0.98769	0.90806	1.0743	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001742	CD19 on transitional B cell || id:ebi-a-GCST90001742	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	0.00549	0.0454	0.90368	-0.0835	0.09448	1.00551	0.9199	1.09909	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001747	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	12	-0.0098	0.03764	0.79465	-0.0836	0.06397	0.99025	0.91983	1.06606	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001845	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	0.00748	0.0424	0.86006	-0.0756	0.09059	1.0075	0.92715	1.09482	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001847	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	0.00191	0.05966	0.97444	-0.115	0.11884	1.00191	0.89135	1.12619	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001872	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	10	-0.0176	0.08469	0.8355	-0.1836	0.14841	0.98257	0.83228	1.15999	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001954	CD33 on basophil || id:ebi-a-GCST90001954	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	0.00362	0.05872	0.9509	-0.1115	0.1187	1.00362	0.89452	1.12603	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001977	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	0.0055	0.0501	0.91261	-0.0927	0.10369	1.00551	0.91148	1.10925	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	-0.0073	0.03639	0.84019	-0.0787	0.06399	0.99269	0.92434	1.06609	0.97444
ebi-a-GCST90018841	ebi-a-GCST90002001	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	-0.0069	0.05054	0.89106	-0.106	0.09213	0.9931	0.89945	1.09651	0.97444
ebi-a-GCST90018841	ebi-a-GCST90002040	CD80 on granulocyte || id:ebi-a-GCST90002040	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	-0.0328	0.05987	0.58408	-0.1501	0.08457	0.96776	0.8606	1.08825	0.97444
ebi-a-GCST90018841	ebi-a-GCST90002074	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	13	0.01211	0.04621	0.79334	-0.0785	0.10268	1.01218	0.92453	1.10814	0.97444

ebi-a-GCST90018841	ebi-a-GCST90002082	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	18	-0.0082	0.0367	0.82361	-0.0801	0.06375	0.99185	0.92301	1.06583	0.97444
ebi-a-GCST90018841	ebi-a-GCST90002110	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	12	-0.0256	0.06242	0.68176	-0.1479	0.09675	0.97473	0.86248	1.10158	0.97444
ebi-a-GCST90018841	ebi-a-GCST90001394	IgD+ CD38dim B cell Absolute Count || id:ebi-a-GCST90001394	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	0.01444	0.05937	0.81476	-0.1019	0.13082	1.01455	0.90309	1.13976	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001395	IgD+ CD38- B cell %B cell || id:ebi-a-GCST90001395	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	16	0.00904	0.05038	0.86004	-0.0897	0.10779	1.00908	0.9142	1.11381	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001419	CD20- B cell %B cell || id:ebi-a-GCST90001419	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	16	0.00825	0.04996	0.87099	-0.0897	0.10618	1.00829	0.91423	1.11202	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001431	IgD+ CD38- B cell %lymphocyte || id:ebi-a-GCST90001431	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	0.00755	0.0662	0.91198	-0.1222	0.13731	1.00758	0.88497	1.14718	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001432	Unswitched memory B cell %lymphocyte || id:ebi-a-GCST90001432	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	0.01292	0.04236	0.76566	-0.0701	0.09594	1.013	0.9323	1.10069	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001443	CD20- B cell %lymphocyte || id:ebi-a-GCST90001443	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	-0.0319	0.05797	0.59266	-0.1455	0.08177	0.96864	0.8646	1.0852	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001454	CD62L- HLA DR++ monocyte Absolute Count || id:ebi-a-GCST900014	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	-0.0055	0.03996	0.89253	-0.0838	0.07281	0.9945	0.91957	1.07553	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001459	Myeloid Dendritic Cell %Dendritic Cell || id:ebi-a-GCST90001459	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	-0.0147	0.0586	0.80782	-0.1296	0.10012	0.98538	0.87846	1.1053	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001566	Naive CD4-CD8- T cell Absolute Count || id:ebi-a-GCST90001566	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	-0.0063	0.02827	0.82906	-0.0617	0.04911	0.99371	0.94014	1.05033	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001590	CD4+ T cell Absolute Count || id:ebi-a-GCST90001590	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	-0.0052	0.03648	0.89144	-0.0767	0.06633	0.99485	0.92621	1.06858	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001610	CD4+ CD8dim T cell %lymphocyte || id:ebi-a-GCST90001610	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	-0.0104	0.0387	0.79218	-0.0863	0.06543	0.98963	0.91733	1.06762	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001742	CD19 on transitional B cell || id:ebi-a-GCST90001742	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	0.00838	0.05164	0.87375	-0.0928	0.1096	1.00842	0.91135	1.11583	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001747	CD20 on IgD+ CD24- B cell || id:ebi-a-GCST90001747	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	12	-0.0134	0.0405	0.74662	-0.0928	0.06596	0.98667	0.91138	1.06819	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001845	CD3 on CD45RA- CD4+ T cell || id:ebi-a-GCST90001845	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	0.00995	0.04236	0.81909	-0.0731	0.09298	1.01	0.92953	1.09743	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001847	CD3 on HLA DR+ T cell || id:ebi-a-GCST90001847	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	0.01251	0.06606	0.85358	-0.117	0.14199	1.01259	0.88961	1.15256	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001872	HVEM on naive CD8+ T cell || id:ebi-a-GCST90001872	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	10	-0.0149	0.09817	0.88236	-0.2074	0.17747	0.98517	0.81273	1.19419	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001954	CD33 on basophil || id:ebi-a-GCST90001954	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	0.00076	0.05348	0.98889	-0.1041	0.10559	1.00076	0.90117	1.11136	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001977	FSC-A on HLA DR+ CD4+ T cell || id:ebi-a-GCST90001977	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	-0.002	0.06254	0.9753	-0.1246	0.12061	0.99802	0.88288	1.12818	0.98889
ebi-a-GCST90018841	ebi-a-GCST90001979	CD16 on CD14- CD16+ monocyte || id:ebi-a-GCST90001979	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	-0.001	0.03643	0.97833	-0.0724	0.07038	0.99899	0.93015	1.07292	0.98889
ebi-a-GCST90018841	ebi-a-GCST90002001	CD64 on CD14- CD16- || id:ebi-a-GCST90002001	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	0.0128	0.06296	0.84302	-0.1106	0.1362	1.01288	0.89529	1.14591	0.98889
ebi-a-GCST90018841	ebi-a-GCST90002040	CD80 on granulocyte || id:ebi-a-GCST90002040	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	-0.0453	0.0615	0.4751	-0.1659	0.0752	0.95567	0.84714	1.0781	0.98889
ebi-a-GCST90018841	ebi-a-GCST90002074	SSC-A on CD14+ monocyte || id:ebi-a-GCST90002074	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	13	0.00928	0.04289	0.83229	-0.0748	0.09334	1.00933	0.92795	1.09783	0.98889
ebi-a-GCST90018841	ebi-a-GCST90002082	SSC-A on CD8+ T cell || id:ebi-a-GCST90002082	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	18	0.01216	0.04193	0.77532	-0.07	0.09434	1.01223	0.93238	1.09893	0.98889
ebi-a-GCST90018841	ebi-a-GCST90002110	HLA DR on CD33dim HLA DR+ CD11b+ || id:ebi-a-GCST90002110	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	12	-0.0387	0.0794	0.63559	-0.1943	0.11693	0.96204	0.82339	1.12404	0.98889

Supplementary Table 10: Inverse MR Analysis was used to evaluate the estimation of the causal effect of esophageal cancer on lipids.

id.exposure	id.outcome	outcome	exposure	method	nsnp	b	se	pval	lo_ci	up_ci	or	or_lci95	or_uci95	p_fdr
ebi-a-GCST90018841	ebi-PL179-GCST90277257	Cholesterol levels || id:ebi-PL179-GCST90277257	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	12	-0.0133897	0.029225	0.646832	-0.07067	0.04389	0.9867	0.93177	1.044868	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277276	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	-0.012479	0.03546	0.724903	-0.08198	0.057024	0.987599	0.921289	1.058681	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	-0.015289	0.025593	0.550244	-0.06545	0.034873	0.984827	0.936645	1.035488	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	0.00979251	0.043226	0.82078	-0.07493	0.094515	1.009841	0.927808	1.099126	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277313	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	16	-0.0039616	0.02486	0.87339	-0.05269	0.044765	0.996046	0.948676	1.045782	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277316	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	6	-0.0280941	0.05542	0.612201	-0.13672	0.080528	0.972297	0.872217	1.08386	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277321	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	-0.0045057	0.046398	0.922639	-0.09545	0.086434	0.995504	0.908968	1.09028	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277323	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	12	-8.76E-05	0.030978	0.997744	-0.0608	0.060629	0.999912	0.941008	1.062504	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	0.02450937	0.035767	0.493186	-0.04559	0.094613	1.024812	0.95543	1.099233	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277340	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	0.01369346	0.035634	0.70077	-0.05615	0.083536	1.013788	0.945398	1.087124	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277363	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	9	-0.0316742	0.038665	0.412676	-0.10746	0.044109	0.968822	0.898114	1.045097	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	4	-0.0321263	0.076588	0.674874	-0.18224	0.117987	0.968384	0.833402	1.125229	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277371	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	8	0.01843481	0.0346	0.594171	-0.04938	0.08625	1.018606	0.951819	1.090079	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277411	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Esophageal cancer || id:ebi-a-GCST90018841	Inverse variance weighted	11	0.00071723	0.036026	0.984116	-0.06989	0.071329	1.000717	0.932492	1.073934	0.997744
ebi-a-GCST90018841	ebi-PL179-GCST90277257	Cholesterol levels || id:ebi-PL179-GCST90277257	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	12	-0.0116561	0.052531	0.828867	-0.11462	0.091306	0.988412	0.891707	1.095604	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277276	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	-0.0448885	0.061364	0.492033	-0.16516	0.075384	0.956104	0.847757	1.078298	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	-0.0261617	0.050448	0.616554	-0.12504	0.072716	0.974178	0.882462	1.075425	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	0.04121193	0.17024	0.816779	-0.29246	0.374882	1.042073	0.746427	1.45482	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277313	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	16	-0.0127285	0.044311	0.778126	-0.09958	0.074121	0.987352	0.905219	1.076937	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277316	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	6	-0.319629	0.235806	0.246749	-0.78181	0.14255	0.726418	0.457578	1.153211	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277321	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	-0.103127	0.142946	0.497774	-0.3833	0.177046	0.902012	0.681608	1.193686	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277323	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	12	0.03921737	0.063543	0.550912	-0.08533	0.163762	1.039997	0.918212	1.177934	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	0.02620531	0.073581	0.732227	-0.11801	0.170425	1.026552	0.888684	1.185808	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277340	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	0.04000588	0.083167	0.645165	-0.123	0.203013	1.040817	0.884263	1.225088	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277363	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	9	-0.0181313	0.074151	0.813842	-0.16347	0.127204	0.982032	0.849194	1.135649	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	4	-0.1199507	0.22296	0.644441	-0.55695	0.31705	0.886964	0.572953	1.373071	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277371	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	8	-0.0268325	0.071785	0.721413	-0.16753	0.113866	0.973524	0.84575	1.120602	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277411	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Esophageal cancer || id:ebi-a-GCST90018841	MR Egger	11	0.02870702	0.074836	0.71018	-0.11797	0.175385	1.029123	0.888722	1.191705	0.828867
ebi-a-GCST90018841	ebi-PL179-GCST90277257	Cholesterol levels || id:ebi-PL179-GCST90277257	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	12	-0.0148934	0.036275	0.681388	-0.08599	0.056206	0.985217	0.917601	1.057815	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277276	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	-0.0157917	0.042642	0.711136	-0.09937	0.067787	0.984332	0.905407	1.070138	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	-0.0269187	0.031028	0.385634	-0.08773	0.033896	0.97344	0.916005	1.034477	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	0.01205391	0.051918	0.816405	-0.08971	0.113813	1.012127	0.9142	1.120543	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277313	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	16	-0.0082055	0.030108	0.785207	-0.06722	0.050805	0.991828	0.934993	1.052118	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277316	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	6	-0.0094308	0.06941	0.891924	-0.14547	0.126613	0.990614	0.864612	1.134978	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277321	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	5.30E-05	0.056957	0.999257	-0.11158	0.111688	1.000053	0.894418	1.118164	0.999257
ebi-a-GCST90018841	ebi-PL179-GCST90277323	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	12	-0.011275	0.03985	0.777228	-0.08938	0.066832	0.988788	0.914496	1.069116	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	0.03512701	0.040354	0.384048	-0.04397	0.114222	1.035751	0.956985	1.121001	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277340	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	0.01857539	0.046001	0.686359	-0.07159	0.108738	1.018749	0.930915	1.11487	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277363	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	9	-0.0256229	0.047473	0.589382	-0.11867	0.067425	0.974703	0.8881	1.06975	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	4	-0.0569602	0.088056	0.517722	-0.22955	0.11563	0.944632	0.794891	1.122581	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277371	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	8	0.01189584	0.042685	0.780482	-0.07177	0.095558	1.011967	0.930748	1.100273	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277411	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Esophageal cancer || id:ebi-a-GCST90018841	Weighted median	11	0.00504114	0.045701	0.912166	-0.08453	0.094615	1.005054	0.918942	1.099236	0.982332
ebi-a-GCST90018841	ebi-PL179-GCST90277257	Cholesterol levels || id:ebi-PL179-GCST90277257	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	12	-0.0164141	0.042198	0.704717	-0.09912	0.066294	0.98372	0.905632	1.068541	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277276	Phosphatidylcholine (15:0_18:2) levels || id:ebi-PL179-GCST90277276	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	-0.024678	0.050826	0.642119	-0.1243	0.07494	0.975624	0.883118	1.077819	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277287	Phosphatidylcholine (16:0_20:4) levels || id:ebi-PL179-GCST90277287	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	-0.0268057	0.040458	0.522594	-0.1061	0.052493	0.97355	0.899331	1.053895	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277307	Phosphatidylcholine (18:0_22:6) levels || id:ebi-PL179-GCST90277307	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	0.01652713	0.059535	0.789338	-0.10016	0.133217	1.016664	0.90469	1.142498	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277313	Phosphatidylcholine (18:1_20:4) levels || id:ebi-PL179-GCST90277313	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	16	-0.0066672	0.037708	0.862022	-0.08057	0.067241	0.993355	0.922586	1.069553	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277316	Phosphatidylcholine (18:2_20:3) levels || id:ebi-PL179-GCST90277316	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	6	-0.0016304	0.068344	0.98189	-0.13558	0.132323	0.998371	0.873206	1.141477	0.98189
ebi-a-GCST90018841	ebi-PL179-GCST90277321	Phosphatidylcholine (O-16:0_18:2) levels || id:ebi-PL179-GCST90277321	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	-0.039572	0.070211	0.590608	-0.17719	0.098042	0.961201	0.837624	1.10301	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277323	Phosphatidylcholine (O-16:0_20:4) levels || id:ebi-PL179-GCST90277323	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	12	-0.0058767	0.042176	0.891702	-0.08854	0.076789	0.994141	0.915265	1.079814	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277336	Phosphatidylcholine (O-18:0_20:4) levels || id:ebi-PL179-GCST90277336	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	0.03896224	0.051961	0.474821	-0.06288	0.140805	1.039731	0.939056	1.1512	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277340	Phosphatidylcholine (O-18:1_20:4) levels || id:ebi-PL179-GCST90277340	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	0.01804851	0.046959	0.710736	-0.07399	0.110088	1.018212	0.92868	1.116376	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277363	Phosphatidylinositol (18:0_20:3) levels || id:ebi-PL179-GCST90277363	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	9	-0.0320304	0.049923	0.539077	-0.12988	0.065818	0.968477	0.878202	1.068032	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277367	Phosphatidylinositol (18:1_20:4) levels || id:ebi-PL179-GCST90277367	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	4	-0.0597688	0.097997	0.585017	-0.25184	0.132305	0.941982	0.777367	1.141456	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277371	Sphingomyelin (d34:2) levels || id:ebi-PL179-GCST90277371	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	8	0.0143825	0.047474	0.770728	-0.07867	0.107431	1.014486	0.924348	1.113414	0.960294
ebi-a-GCST90018841	ebi-PL179-GCST90277411	Triacylglycerol (56:5) levels || id:ebi-PL179-GCST90277411	Esophageal cancer || id:ebi-a-GCST90018841	Weighted mode	11	0.00730014	0.048913	0.884326	-0.08857	0.10317	1.007327	0.915239	1.10868	0.960294