Supplementary file1

This table displays the associations between 4,123 proteins and gastric cancer, with the remaining proteins having no significant SNPs under the screening threshold of 5e-8.

protein	method	nsnp	b	se	FDR
OLFM1	Inverse variance weighted	4	-0.518216169	0.083986985	2.81142E-06
THSD1	Inverse variance weighted	12	-0.175793006	0.033951609	0.00046285
KDR	Inverse variance weighted	18	-0.158569982	0.031762824	0.000669049
MLN	Inverse variance weighted	20	-0.209586029	0.042119707	0.000669049
EPHB4	Inverse variance weighted	7	-0.21405279	0.049498978	0.012609679
CDH1	Inverse variance weighted	3	-0.559468807	0.130911965	0.013212338
IGF1R	Inverse variance weighted	7	-0.210207841	0.050924354	0.021562701
EPHA4	Inverse variance weighted	12	-0.126813278	0.031315475	0.024629489
LIFR	Inverse variance weighted	13	-0.15073939	0.037324866	0.024629489
C1GALT1C1	Inverse variance weighted	6	0.165144076	0.041387242	0.025285162
CHST15	Inverse variance weighted	8	-0.17425547	0.043727694	0.025285162
SEMA6B	Inverse variance weighted	12	-0.138231664	0.035211134	0.029693532
MICA	Inverse variance weighted	13	0.123111673	0.032956221	0.059375453
DLL1	Inverse variance weighted	6	-0.449744328	0.121893583	0.066118406
TAPBP	Inverse variance weighted	7	-0.113795365	0.03121715	0.073398267
TXNDC15	Inverse variance weighted	15	-0.129609824	0.037474903	0.139900088
NGRN	Wald ratio	1	-0.689295039	0.204525674	0.182120059
METTL24	Inverse variance weighted	5	0.178456218	0.05483823	0.260373334
MMP10	Inverse variance weighted	9	0.211964672	0.065671568	0.270777802
AIFM1	Inverse variance weighted	5	-0.465939746	0.146932106	0.312964826
EEF2K	Inverse variance weighted	3	0.180372271	0.059236501	0.45679195
TMPRSS11A	Inverse variance weighted	2	-0.475110653	0.157190511	0.469690255
VOPP1	Inverse variance weighted	10	-0.236522697	0.078725691	0.476922146
AGRN	Inverse variance weighted	7	0.281457437	0.09490733	0.518840336
AZGP1	Inverse variance weighted	4	0.218745741	0.075108837	0.528031038
LRRTM2	Inverse variance weighted	4	-0.42786955	0.146733769	0.528031038
TIMP4	Inverse variance weighted	9	0.255740071	0.086768152	0.528031038
TMEM38B	Inverse variance weighted	3	-0.286929191	0.097915489	0.528031038
TEK	Inverse variance weighted	10	-0.358902337	0.124489187	0.559891736
INHBB	Inverse variance weighted	12	0.120750319	0.043134246	0.703440325
L1CAM	Inverse variance weighted	8	-0.189409831	0.068013034	0.711954848
ICAM4	Inverse variance weighted	18	-0.114914593	0.041436481	0.714856189
EPB41	Inverse variance weighted	2	0.600939218	0.218611159	0.746912125
KIR2DS2	Inverse variance weighted	13	0.136188961	0.050245249	0.78861849
KRT18	Wald ratio	1	3.848977136	1.422984356	0.78861849
PRSS27	Inverse variance weighted	7	0.172860086	0.063969292	0.78861849
ARFIP2	Inverse variance weighted	2	-1.029761335	0.383072755	0.79928228
LPO	Inverse variance weighted	14	0.141270116	0.052976942	0.79928228
PDGFRA	Inverse variance weighted	18	0.131675073	0.049342416	0.79928228
PIP4K2B	Wald ratio	1	0.348894349	0.131040131	0.79928228
REG4	Wald ratio	1	0.497376705	0.187827912	0.813932347
DSG2	Inverse variance weighted	10	-0.129635817	0.049804988	0.846819151
NELL1	Inverse variance weighted	22	0.105624266	0.040305824	0.846819151
SELP	Inverse variance weighted	6	-0.242111704	0.092784193	0.846819151
VIM	Inverse variance weighted	2	1.348481726	0.517943034	0.846819151

MAPK12	Wald ratio	1	-0.493193717	0.190575916	0.865258167
ALCAM	Inverse variance weighted	7	-0.305734518	0.119263616	0.889811818
VBP1	Inverse variance weighted	11	-0.142717049	0.0556006	0.889811818
F2	Inverse variance weighted	17	-0.09343584	0.037004049	0.944740893
FAM20B	Inverse variance weighted	8	0.246229523	0.098436256	0.944740893
FKBP1B	Inverse variance weighted	4	-0.410785268	0.163990412	0.944740893
ITM2C	Inverse variance weighted	2	-0.52366227	0.20808935	0.944740893
MRC1	Inverse variance weighted	15	0.177813572	0.071090648	0.944740893
PCBD2	Inverse variance weighted	3	-0.437369513	0.174709827	0.944740893
GFRAL	Inverse variance weighted	9	-0.189098412	0.076690827	0.97984136
MAX	Inverse variance weighted	2	0.236564925	0.09602544	0.97984136
PLA2G2C	Inverse variance weighted	3	-0.543846843	0.220178744	0.97984136
SUN3	Inverse variance weighted	6	-0.225824733	0.091695768	0.97984136
MTAP	Inverse variance weighted	9	0.114588472	0.046706287	0.988714432
FURIN	Wald ratio	1	0.775793651	0.317460317	0.998588506
10-Sep	Inverse variance weighted	8	0.030809287	0.159087273	0.999731116
11-Sep	Inverse variance weighted	3	0.214248485	0.164648194	0.999731116
3-Sep	Inverse variance weighted	4	0.090613964	0.13182926	0.999731116
6-Sep	Wald ratio	1	-0.180397727	0.384943182	0.999731116
A1BG	Inverse variance weighted	3	-0.058562914	0.034158819	0.999731116
A1CF	Inverse variance weighted	2	0.076403749	0.053101371	0.999731116
A2M	Inverse variance weighted	7	-0.008550236	0.052297319	0.999731116
A4GALT	Inverse variance weighted	14	-0.038308171	0.036260344	0.999731116
A4GNT	Inverse variance weighted	2	0.000894574	0.13146909	0.999731116
AAGAB	Inverse variance weighted	5	0.062069381	0.083566226	0.999731116
AASDHPPT	Inverse variance weighted	4	-0.186571714	0.238818541	0.999731116
ABCC6	Inverse variance weighted	2	0.01920029	0.263123089	0.999731116
ABHD10	Wald ratio	1	0.544698545	0.37006237	0.999731116
ABHD12	Inverse variance weighted	2	0.184481951	0.348675556	0.999731116
ABHD14A	Wald ratio	1	-0.225978648	0.291814947	0.999731116
ABHD14B	Wald ratio	1	-0.194539249	0.462457338	0.999731116
ABL1	Wald ratio	1	-0.252988048	0.539840637	0.999731116
ABL2	Inverse variance weighted	5	-0.032218262	0.136570087	0.999731116
ABLIM3	Wald ratio	1	0.315332326	0.497356495	0.999731116
ABO	Inverse variance weighted	12	0.034553818	0.023699226	0.999731116
ACAA1	Inverse variance weighted	12	0.17750874	0.142061647	0.999731116
ACAD8	Inverse variance weighted	2	-0.145874721	0.307612415	0.999731116
ACADL	Inverse variance weighted	2	0.019875943	0.186815621	0.999731116
ACADM	Wald ratio	1	0.010199557	0.150776053	0.999731116
ACADS	Inverse variance weighted	7	0.036842212	0.067784371	0.999731116
ACADSB	Inverse variance weighted	4	-0.023848777	0.194535178	0.999731116
ACAN	Inverse variance weighted	3	0.124475709	0.193565279	0.999731116
ACAP2	Inverse variance weighted	2	-0.541252256	0.315169162	0.999731116
ACAT1	Inverse variance weighted	2	0.073513572	0.06926192	0.999731116
ACAT2	Inverse variance weighted	4	-0.036467795	0.072441157	0.999731116
ACBD6	Inverse variance weighted	5	-0.083662897	0.047008943	0.999731116
ACBD7	Wald ratio	1	-0.177126918	0.377963738	0.999731116
ACE	Inverse variance weighted	13	-0.006434877	0.031714763	0.999731116
ACHE	Inverse variance weighted	2	-0.125949597	0.250116197	0.999731116
ACLY	Inverse variance weighted	2	0.002555057	0.18474728	0.999731116

ACOT13	Inverse variance weighted	2	0.049693094	0.220874366	0.999731116
ACOT8	Inverse variance weighted	8	-0.175811479	0.143061587	0.999731116
ACP1	Inverse variance weighted	10	-0.0347866	0.047116377	0.999731116
ACP2	Inverse variance weighted	5	-0.051668632	0.041692565	0.999731116
ACP5	Inverse variance weighted	4	-0.226275342	0.200046592	0.999731116
ACP6	Inverse variance weighted	18	0.030664824	0.034770654	0.999731116
ACPL2	Inverse variance weighted	5	0.020723875	0.09481152	0.999731116
ACPP	Wald ratio	1	-0.162162162	0.385490754	0.999731116
ACRV1	Inverse variance weighted	3	-0.005881204	0.244201614	0.999731116
ACTN1	Wald ratio	1	-0.402148372	0.819066801	0.999731116
ACTN2	Inverse variance weighted	11	-0.090004195	0.132296974	0.999731116
ACVR1B	Inverse variance weighted	2	0.01025738	0.510637799	0.999731116
ACVR2A	Inverse variance weighted	3	0.046151657	0.090191877	0.999731116
ACVR2B	Inverse variance weighted	3	0.097418318	0.200339954	0.999731116
ACVRL1	Wald ratio	1	0.100507292	0.070703868	0.999731116
ACY1	Inverse variance weighted	7	0.04258797	0.12186551	0.999731116
ACYP2	Inverse variance weighted	4	-0.077200889	0.226609497	0.999731116
ADAM10	Inverse variance weighted	6	0.044757146	0.093188617	0.999731116
ADAM11	Inverse variance weighted	7	0.054662852	0.063196973	0.999731116
ADAM12	Wald ratio	1	-0.166666667	0.355643045	0.999731116
ADAM15	Inverse variance weighted	4	0.033376501	0.168418926	0.999731116
ADAM17	Inverse variance weighted	4	0.101280394	0.132159976	0.999731116
ADAM19	Wald ratio	1	-0.053961749	0.444672131	0.999731116
ADAM22	Inverse variance weighted	6	0.186223659	0.129144441	0.999731116
ADAM23	Inverse variance weighted	13	-0.056260943	0.049426293	0.999731116
ADAM29	Inverse variance weighted	4	0.046869256	0.145069493	0.999731116
ADAM30	Inverse variance weighted	2	0.043798174	0.378619119	0.999731116
ADAM32	Wald ratio	1	0.155757286	0.355470616	0.999731116
ADAM7	Inverse variance weighted	2	0.138957205	0.25144986	0.999731116
ADAM9	Wald ratio	1	-0.837048424	1.208301307	0.999731116
ADAMDEC1	Inverse variance weighted	2	0.023369327	0.182719432	0.999731116
ADAMTS1	Wald ratio	1	0.013626834	0.186582809	0.999731116
ADAMTS13	Inverse variance weighted	7	-0.003466972	0.039912344	0.999731116
ADAMTS15	Wald ratio	1	-0.181169757	0.386590585	0.999731116
ADAMTS3	Inverse variance weighted	2	0.022491148	0.240571747	0.999731116
ADAMTS4	Wald ratio	1	-0.183791606	0.392185239	0.999731116
ADAMTS5	Inverse variance weighted	3	-0.008695314	0.039202805	0.999731116
ADAMTS6	Wald ratio	1	-0.115123195	0.118521665	0.999731116
ADAMTSL1	Inverse variance weighted	10	-0.042522574	0.040401999	0.999731116
ADAMTSL2	Inverse variance weighted	3	0.165827288	0.247011777	0.999731116
ADCK4	Wald ratio	1	-0.1984375	0.4234375	0.999731116
ADCYAP1	Inverse variance weighted	2	0.03272363	0.213120189	0.999731116
ADGRE2	Inverse variance weighted	8	-0.131060254	0.066590088	0.999731116
ADGRF1	Inverse variance weighted	2	0.045126861	0.186916304	0.999731116
ADGRF5	Inverse variance weighted	23	-0.009208779	0.021700571	0.999731116
ADGRG5	Inverse variance weighted	3	-0.084443685	0.136412793	0.999731116
ADH1A	Inverse variance weighted	3	0.00656255	0.189637103	0.999731116
ADH1B	Wald ratio	1	0.017289073	0.0472568	0.999731116
ADH1C	Wald ratio	1	0.206411259	0.220484754	0.999731116
ADH4	Inverse variance weighted	3	0.078462643	0.162338786	0.999731116

ADH5	Inverse variance weighted	5	-0.137439203	0.249779467	0.999731116
ADH6	Inverse variance weighted	6	-0.021508916	0.272002429	0.999731116
ADH7	Inverse variance weighted	2	0.039797705	0.167216811	0.999731116
ADI1	Inverse variance weighted	2	0.127191087	0.334069381	0.999731116
ADIPOQ	Inverse variance weighted	11	-0.059759293	0.060026459	0.999731116
ADK	Inverse variance weighted	4	-0.339491151	0.225897236	0.999731116
ADM	Inverse variance weighted	5	0.006704654	0.10939464	0.999731116
ADM2	Wald ratio	1	-0.02885906	0.12147651	0.999731116
ADPGK	Inverse variance weighted	3	-0.137108103	0.434148538	0.999731116
ADPRH	Inverse variance weighted	3	0.041082074	0.063404822	0.999731116
ADPRHL2	Inverse variance weighted	6	0.048105385	0.191945438	0.999731116
ADRBK1	Inverse variance weighted	2	-0.769489475	0.326824797	0.999731116
ADSS	Wald ratio	1	-0.293072824	0.293072824	0.999731116
ADSSL1	Inverse variance weighted	4	-0.113493929	0.094826059	0.999731116
AES	Inverse variance weighted	4	0.084257104	0.125846188	0.999731116
AFM	Inverse variance weighted	6	0.086775823	0.093799475	0.999731116
AFP	Inverse variance weighted	2	0.083088053	0.235625989	0.999731116
AGA	Inverse variance weighted	4	-0.000879746	0.119491877	0.999731116
AGAP2	Inverse variance weighted	2	-0.180973009	0.329837534	0.999731116
AGAP3	Inverse variance weighted	3	-0.007516875	0.177292794	0.999731116
AGER	Inverse variance weighted	46	-0.001968497	0.032368009	0.999731116
AGFG1	Inverse variance weighted	2	0.027837864	0.223648342	0.999731116
AGGF1	Inverse variance weighted	3	0.153353233	0.208032546	0.999731116
AGO1	Wald ratio	1	0.479690522	0.311411992	0.999731116
AGR2	Inverse variance weighted	3	0.039858841	0.153625278	0.999731116
AGR3	Inverse variance weighted	5	0.015195593	0.140460362	0.999731116
AGRP	Inverse variance weighted	4	-0.151997976	0.160178348	0.999731116
AGT	Inverse variance weighted	3	0.018092332	0.070764402	0.999731116
AHCYL1	Wald ratio	1	-0.33	0.33	0.999731116
AHSA1	Inverse variance weighted	2	-0.17663071	0.219840305	0.999731116
AHSG	Inverse variance weighted	5	0.067579073	0.053912339	0.999731116
AHSP	Inverse variance weighted	4	0.065699851	0.09030133	0.999731116
AIDA	Wald ratio	1	0.037950664	0.299810247	0.999731116
AIF1	Wald ratio	1	-0.130122951	0.277663934	0.999731116
AIF1L	Inverse variance weighted	4	-0.011706054	0.042145516	0.999731116
AIMP1	Inverse variance weighted	3	-0.029190398	0.162941354	0.999731116
AIP	Wald ratio	1	0.037664783	0.297551789	0.999731116
AK4	Inverse variance weighted	6	0.004548101	0.070477775	0.999731116
AK5	Inverse variance weighted	3	-0.090509419	0.164559759	0.999731116
AKAP7	Inverse variance weighted	5	0.042766255	0.075844643	0.999731116
AKR1A1	Inverse variance weighted	7	-0.054239771	0.096978074	0.999731116
AKR1B1	Inverse variance weighted	3	-0.044920929	0.242129969	0.999731116
AKR1B10	Inverse variance weighted	7	0.084390832	0.073432982	0.999731116
AKR1C1	Inverse variance weighted	3	-0.167691163	0.259607965	0.999731116
AKR1C3	Inverse variance weighted	12	0.091945104	0.060607549	0.999731116
AKR1C4	Inverse variance weighted	11	-0.068708674	0.036851604	0.999731116
AKR7A2	Inverse variance weighted	4	0.056914362	0.129676711	0.999731116
AKR7A3	Inverse variance weighted	8	-0.026269954	0.071203026	0.999731116
AKT1	Inverse variance weighted	2	0.035081628	0.251500508	0.999731116
AKT2	Inverse variance weighted	3	-0.232100438	0.220087524	0.999731116

ALAD	Inverse variance weighted	4	0.093883089	0.134446234	0.999731116
ALB	Inverse variance weighted	8	0.028287691	0.05108936	0.999731116
ALDH1A1	Wald ratio	1	0.051207729	0.153623188	0.999731116
ALDH1A3	Inverse variance weighted	5	0.061492209	0.095300709	0.999731116
ALDH2	Inverse variance weighted	5	-0.230569149	0.134445982	0.999731116
ALDH3B1	Inverse variance weighted	2	-0.157674141	0.164763157	0.999731116
ALDH5A1	Inverse variance weighted	15	-0.04519701	0.039123166	0.999731116
ALDH6A1	Inverse variance weighted	3	-0.040054869	0.246398825	0.999731116
ALDOA	Wald ratio	1	0.038022814	0.300380228	0.999731116
ALDOB	Inverse variance weighted	6	-0.064296212	0.092350496	0.999731116
ALDOC	Inverse variance weighted	3	-0.039441827	0.22950591	0.999731116
ALK	Inverse variance weighted	2	0.145652791	0.307526211	0.999731116
ALKBH2	Inverse variance weighted	2	-0.176680577	0.458725504	0.999731116
ALKBH3	Inverse variance weighted	4	-0.004530041	0.075486306	0.999731116
ALPI	Inverse variance weighted	7	-0.066962101	0.092687325	0.999731116
ALPL	Inverse variance weighted	7	-0.033804742	0.054912136	0.999731116
ALPPL2	Inverse variance weighted	4	0.171561623	0.104550602	0.999731116
AMBP	Inverse variance weighted	6	0.084528459	0.126061564	0.999731116
AMH	Inverse variance weighted	9	0.121702046	0.085341816	0.999731116
AMICA1	Wald ratio	1	-0.186490455	0.3979442	0.999731116
AMIGO1	Wald ratio	1	1.242530756	1.622144112	0.999731116
AMIGO2	Inverse variance weighted	10	-0.122787081	0.109809467	0.999731116
AMN	Wald ratio	1	-0.203852327	0.434991974	0.999731116
AMPD2	Wald ratio	1	-0.689719626	0.330841121	0.999731116
AMY1A	Inverse variance weighted	22	0.015904327	0.033416008	0.999731116
AMY2A	Inverse variance weighted	13	-0.118042935	0.07742536	0.999731116
AMY2B	Inverse variance weighted	13	-0.032009962	0.076352042	0.999731116
ANG	Inverse variance weighted	10	-0.038601195	0.041126026	0.999731116
ANGPT1	Inverse variance weighted	7	0.030595613	0.103988784	0.999731116
ANGPT2	Inverse variance weighted	7	0.055908319	0.070270723	0.999731116
ANGPT4	Inverse variance weighted	2	0.157373545	0.254909435	0.999731116
ANGPTL1	Inverse variance weighted	12	-0.039204203	0.053482643	0.999731116
ANGPTL3	Inverse variance weighted	12	0.025597673	0.037235601	0.999731116
ANGPTL4	Inverse variance weighted	6	0.02999877	0.058207784	0.999731116
ANK2	Inverse variance weighted	9	-0.073523196	0.032226504	0.999731116
ANKRD1	Inverse variance weighted	2	-0.192777913	0.362267376	0.999731116
ANKRD27	Inverse variance weighted	2	0.093824143	0.18656376	0.999731116
ANKRD46	Inverse variance weighted	3	0.062852397	0.180162855	0.999731116
ANKRD54	Inverse variance weighted	4	0.08064165	0.12353253	0.999731116
ANP32A	Inverse variance weighted	4	-0.025306842	0.215247694	0.999731116
ANP32B	Wald ratio	1	-0.256830601	0.981785064	0.999731116
ANPEP	Wald ratio	1	0.114606742	0.364044944	0.999731116
ANTXR1	Inverse variance weighted	5	-0.061814075	0.131787336	0.999731116
ANTXR2	Inverse variance weighted	8	-0.143249337	0.105141804	0.999731116
ANXA1	Wald ratio	1	-0.002078385	0.070071259	0.999731116
ANXA10	Inverse variance weighted	2	-0.00728446	0.177299091	0.999731116
ANXA11	Inverse variance weighted	3	0.020359205	0.100106962	0.999731116
ANXA13	Wald ratio	1	-0.14958775	0.319199058	0.999731116
ANXA2	Inverse variance weighted	12	0.049457133	0.039347613	0.999731116
ANXA3	Inverse variance weighted	2	-0.107031349	0.206492439	0.999731116

ANXA4	Inverse variance weighted	3	0.000711484	0.062836427	0.999731116
ANXA5	Inverse variance weighted	4	-0.039888874	0.145739917	0.999731116
ANXA6	Inverse variance weighted	4	-0.008510773	0.088145144	0.999731116
ANXA7	Inverse variance weighted	3	0.110408865	0.281449971	0.999731116
ANXA8	Inverse variance weighted	3	0.053765966	0.103048147	0.999731116
ANXA9	Wald ratio	1	-0.146028037	0.316588785	0.999731116
AOC1	Inverse variance weighted	13	0.005299662	0.052298853	0.999731116
AP1G2	Inverse variance weighted	3	-0.037575908	0.129311953	0.999731116
AP1S2	Inverse variance weighted	3	0.06641109	0.190498046	0.999731116
AP2A2	Wald ratio	1	-0.059724349	0.300153139	0.999731116
APAF1	Wald ratio	1	0.23540146	0.386861314	0.999731116
APBB1	Inverse variance weighted	3	-0.071637945	0.090601855	0.999731116
APBB3	Inverse variance weighted	4	0.059734405	0.173632488	0.999731116
APCDD1	Inverse variance weighted	3	0.150142804	0.183218461	0.999731116
APCS	Inverse variance weighted	6	0.160919367	0.086178509	0.999731116
APEX1	Inverse variance weighted	2	0.14081341	0.220435428	0.999731116
APLN	Inverse variance weighted	2	0.045162258	0.180302399	0.999731116
APLP1	Inverse variance weighted	3	0.079638133	0.233715219	0.999731116
APLP2	Inverse variance weighted	3	-0.081033991	0.068615291	0.999731116
APMAP	Inverse variance weighted	3	-0.100344093	0.121387292	0.999731116
APOA1	Inverse variance weighted	7	0.125228507	0.143829915	0.999731116
APOA2	Inverse variance weighted	6	0.054260573	0.070636788	0.999731116
APOA4	Inverse variance weighted	4	0.039593346	0.258170133	0.999731116
APOA5	Inverse variance weighted	16	0.038015766	0.067475614	0.999731116
APOB	Inverse variance weighted	5	-0.074140521	0.087302846	0.999731116
APOBEC3G	Inverse variance weighted	3	0.138283671	0.141007383	0.999731116
APOC1	Inverse variance weighted	7	0.006885079	0.103948741	0.999731116
APOC2	Wald ratio	1	-0.18902439	0.161585366	0.999731116
APOC3	Inverse variance weighted	17	-0.076324593	0.058454921	0.999731116
APOD	Inverse variance weighted	3	0.007694607	0.098168357	0.999731116
APOE	Inverse variance weighted	7	0.002005809	0.068335818	0.999731116
APOF	Inverse variance weighted	8	0.023451495	0.078479595	0.999731116
APOH	Inverse variance weighted	4	-0.023050831	0.143620739	0.999731116
APOL1	Inverse variance weighted	27	0.00115409	0.02081826	0.999731116
APOL3	Inverse variance weighted	10	-0.01146264	0.051488488	0.999731116
APOM	Inverse variance weighted	7	0.118968819	0.079729435	0.999731116
APP	Inverse variance weighted	4	0.087054922	0.080716831	0.999731116
APRT	Wald ratio	1	-0.096404494	0.110786517	0.999731116
APTX	Inverse variance weighted	2	-0.409906058	0.298443298	0.999731116
AQP4	Inverse variance weighted	3	-0.212377821	0.345618363	0.999731116
ARAF	Inverse variance weighted	3	0.131293236	0.126718679	0.999731116
AREG	Wald ratio	1	-0.312087912	0.373626374	0.999731116
ARF1	Inverse variance weighted	4	-0.061971801	0.187037392	0.999731116
ARF4	Inverse variance weighted	5	0.008287868	0.110262392	0.999731116
ARF5	Inverse variance weighted	5	0.02509782	0.136262348	0.999731116
ARF6	Inverse variance weighted	2	0.088964531	0.162334622	0.999731116
ARFGAP1	Inverse variance weighted	3	-0.093816029	0.179041314	0.999731116
ARFGAP2	Wald ratio	1	-0.258215962	0.258215962	0.999731116
ARFIP1	Inverse variance weighted	3	0.006819398	0.068414554	0.999731116
ARG1	Inverse variance weighted	6	-0.047172323	0.083525887	0.999731116

Gene	Method	N	Beta	SE	P-value
ARG2	Inverse variance weighted	3	0.105775397	0.231565973	0.999731116
ARHGAP1	Inverse variance weighted	6	0.055800874	0.096517332	0.999731116
ARHGAP25	Inverse variance weighted	2	0.07622093	0.085444548	0.999731116
ARHGAP30	Inverse variance weighted	2	-0.067399945	0.166200661	0.999731116
ARHGAP36	Inverse variance weighted	3	-0.143928274	0.127968041	0.999731116
ARHGAP5	Inverse variance weighted	2	-0.034148217	0.241700532	0.999731116
ARHGDIB	Wald ratio	1	0.037383178	0.295327103	0.999731116
ARHGEF1	Inverse variance weighted	2	-0.337926632	0.406370356	0.999731116
ARHGEF10	Inverse variance weighted	2	-0.156898007	0.290062161	0.999731116
ARHGEF2	Wald ratio	1	-0.01682243	0.394392523	0.999731116
ARHGEF25	Inverse variance weighted	5	0.009555648	0.129892812	0.999731116
ARHGEF7	Inverse variance weighted	3	-0.018077931	0.094608872	0.999731116
ARID1A	Inverse variance weighted	2	-0.096809689	0.179306687	0.999731116
ARID3A	Wald ratio	1	-0.302771855	0.362473348	0.999731116
ARL1	Inverse variance weighted	3	0.113788264	0.156435422	0.999731116
ARL11	Inverse variance weighted	6	-0.088599957	0.077207705	0.999731116
ARL14	Inverse variance weighted	4	0.096222967	0.119309257	0.999731116
ARL15	Wald ratio	1	-0.182130584	0.19862543	0.999731116
ARL2	Inverse variance weighted	10	-0.087535553	0.05019154	0.999731116
ARL3	Inverse variance weighted	2	-0.020812555	0.140477276	0.999731116
ARL5A	Inverse variance weighted	3	0.160471508	0.185382369	0.999731116
ARL5B	Inverse variance weighted	9	-0.22529584	0.139658961	0.999731116
ARL6	Wald ratio	1	-0.056776557	0.32967033	0.999731116
ARL8B	Inverse variance weighted	3	0.095121046	0.244773719	0.999731116
ARL9	Wald ratio	1	0.097087379	0.286407767	0.999731116
ARMC10	Wald ratio	1	0.191642651	0.305475504	0.999731116
ARMC5	Inverse variance weighted	4	0.050061208	0.108075953	0.999731116
ARPC3	Inverse variance weighted	2	0.006963785	0.188739068	0.999731116
ARPC5	Wald ratio	1	0.035842294	0.283154122	0.999731116
ARPP19	Wald ratio	1	0.037878788	0.299242424	0.999731116
ARSB	Inverse variance weighted	2	-0.114844441	0.110140134	0.999731116
ARSK	Inverse variance weighted	8	0.087986267	0.077410068	0.999731116
ART3	Inverse variance weighted	12	0.00437808	0.053052754	0.999731116
ART4	Inverse variance weighted	11	0.012864201	0.040814492	0.999731116
ARTN	Inverse variance weighted	3	-0.094449293	0.178511622	0.999731116
AS3MT	Inverse variance weighted	5	0.124016685	0.149649763	0.999731116
ASAH1	Inverse variance weighted	3	0.090810538	0.16190802	0.999731116
ASAH2	Inverse variance weighted	11	-0.01714841	0.024901361	0.999731116
ASAP2	Inverse variance weighted	5	0.103449739	0.089322952	0.999731116
ASB9	Inverse variance weighted	2	-0.190365228	0.118743729	0.999731116
ASCC1	Wald ratio	1	-0.073937153	0.303142329	0.999731116
ASF1A	Inverse variance weighted	3	-0.35191244	0.348529494	0.999731116
ASGR1	Inverse variance weighted	2	0.059916488	0.296017363	0.999731116
ASGR2	Wald ratio	1	-0.278508772	0.594298246	0.999731116
ASH1L	Wald ratio	1	-0.288636364	0.615909091	0.999731116
ASH2L	Wald ratio	1	-0.832957111	0.399548533	0.999731116
ASIC4	Inverse variance weighted	3	0.159381317	0.178233619	0.999731116
ASIP	Inverse variance weighted	5	-0.117833298	0.128570342	0.999731116
ASL	Inverse variance weighted	6	0.120666882	0.190163749	0.999731116
ASMTL	Inverse variance weighted	3	-0.175493912	0.262566767	0.999731116

ASNA1	Inverse variance weighted	5	0.046630501	0.093868857	0.999731116
ASPA	Inverse variance weighted	3	-0.028387764	0.10667439	0.999731116
ASPH	Inverse variance weighted	3	-0.047079043	0.329318995	0.999731116
ASPN	Inverse variance weighted	10	0.023029747	0.045804577	0.999731116
ASPRV1	Inverse variance weighted	4	0.186344243	0.247512897	0.999731116
ASRGL1	Inverse variance weighted	4	-0.005475261	0.073034336	0.999731116
ASTL	Inverse variance weighted	2	0.005436897	0.208662475	0.999731116
ATAD1	Wald ratio	1	-0.237700059	0.110847659	0.999731116
ATAD2	Wald ratio	1	-0.012693935	0.297602257	0.999731116
ATF6	Inverse variance weighted	6	-0.039714899	0.118179611	0.999731116
ATF6B	Inverse variance weighted	4	0.164382943	0.285585502	0.999731116
ATG3	Inverse variance weighted	2	-0.115746458	0.263802622	0.999731116
ATG4B	Wald ratio	1	0.352517986	1.764388489	0.999731116
ATOX1	Wald ratio	1	-1.268722467	0.800293686	0.999731116
ATP13A1	Inverse variance weighted	6	0.184471752	0.141788919	0.999731116
ATP1B1	Inverse variance weighted	7	0.076637349	0.073344087	0.999731116
ATP1B2	Inverse variance weighted	9	-0.121490443	0.087670272	0.999731116
ATP1B3	Inverse variance weighted	5	0.04944044	0.082646293	0.999731116
ATP2A3	Inverse variance weighted	4	0.066823795	0.159706594	0.999731116
ATP4B	Inverse variance weighted	7	0.095569541	0.122428955	0.999731116
ATP5B	Inverse variance weighted	3	0.059538032	0.125687131	0.999731116
ATP5J2	Inverse variance weighted	2	-0.309169013	0.381655208	0.999731116
ATRN	Inverse variance weighted	7	-0.133139704	0.08511699	0.999731116
ATXN3	Inverse variance weighted	3	0.052341232	0.063227343	0.999731116
AURKA	Inverse variance weighted	2	0.010405593	0.141168157	0.999731116
AURKB	Inverse variance weighted	3	-0.04954283	0.090411741	0.999731116
AXIN2	Inverse variance weighted	12	0.029318892	0.094918355	0.999731116
AXL	Inverse variance weighted	3	-0.094882998	0.121512096	0.999731116
AZU1	Wald ratio	1	-0.143737166	0.342915811	0.999731116
B2M	Inverse variance weighted	3	-0.063805809	0.178224541	0.999731116
B3GALT1	Inverse variance weighted	2	-0.006977015	0.821966283	0.999731116
B3GALT2	Wald ratio	1	0.038834951	0.263754045	0.999731116
B3GALT6	Inverse variance weighted	4	-0.129646733	0.151914746	0.999731116
B3GALTL	Inverse variance weighted	2	-0.066327357	0.067498514	0.999731116
B3GAT3	Inverse variance weighted	5	0.018132846	0.098855468	0.999731116
B3GNT2	Inverse variance weighted	15	0.060875006	0.045332502	0.999731116
B3GNT4	Inverse variance weighted	5	0.189239666	0.141133599	0.999731116
B3GNT6	Inverse variance weighted	2	0.006052449	0.128243964	0.999731116
B3GNT8	Inverse variance weighted	9	0.042245042	0.03294947	0.999731116
B4GALNT1	Wald ratio	1	-0.174311927	0.414373089	0.999731116
B4GALT1	Inverse variance weighted	9	0.030082596	0.058830115	0.999731116
B4GALT2	Inverse variance weighted	9	-0.004640615	0.038998171	0.999731116
B4GALT3	Inverse variance weighted	3	0.104520012	0.183372351	0.999731116
B4GALT5	Inverse variance weighted	2	0.028644626	0.204779941	0.999731116
B4GALT6	Inverse variance weighted	7	-0.165585967	0.103006558	0.999731116
B4GALT7	Inverse variance weighted	10	0.007349399	0.033604723	0.999731116
BACH1	Inverse variance weighted	2	0.053314579	0.126783835	0.999731116
BACH2	Inverse variance weighted	3	0.15778174	0.153212822	0.999731116
BAD	Inverse variance weighted	2	-0.29736816	0.387701917	0.999731116
BAG1	Inverse variance weighted	2	-0.313154501	0.427964415	0.999731116

BAG2	Wald ratio	1	0.66609589	0.395547945	0.999731116
BAG3	Inverse variance weighted	4	0.039441976	0.109157721	0.999731116
BAG5	Wald ratio	1	0.159914712	0.685501066	0.999731116
BAGE3	Inverse variance weighted	5	-0.034705144	0.056433825	0.999731116
BAI3	Wald ratio	1	-0.265726681	0.181127983	0.999731116
BAMBI	Wald ratio	1	-0.216730038	0.515209125	0.999731116
BARD1	Inverse variance weighted	4	-0.018313285	0.177170177	0.999731116
BATF	Inverse variance weighted	4	0.102389416	0.139680373	0.999731116
BATF3	Inverse variance weighted	2	-0.072889193	0.114486343	0.999731116
BCAM	Inverse variance weighted	5	0.012640079	0.053892318	0.999731116
BCAP29	Inverse variance weighted	2	-0.27964493	0.340593977	0.999731116
BCAR3	Inverse variance weighted	5	-0.103683092	0.148728496	0.999731116
BCCIP	Inverse variance weighted	3	0.094987731	0.165670965	0.999731116
BCHE	Inverse variance weighted	18	-0.01200897	0.040649038	0.999731116
BCL10	Wald ratio	1	-0.012433393	0.847246892	0.999731116
BCL2	Wald ratio	1	-0.829213483	0.397752809	0.999731116
BCL2A1	Inverse variance weighted	3	0.020293983	0.124420283	0.999731116
BCL2L1	Inverse variance weighted	4	-0.011207705	0.089207682	0.999731116
BCL2L10	Inverse variance weighted	2	-0.078288975	0.153138253	0.999731116
BCL2L11	Inverse variance weighted	4	0.153758467	0.118401661	0.999731116
BCL2L2	Inverse variance weighted	5	0.034613515	0.108988582	0.999731116
BCL6	Inverse variance weighted	4	0.04000519	0.10182887	0.999731116
BDH2	Inverse variance weighted	3	-0.00762572	0.078128138	0.999731116
BDNF	Inverse variance weighted	9	0.03554236	0.079972657	0.999731116
BDP1	Inverse variance weighted	3	0.106767608	0.145351404	0.999731116
BECN1	Inverse variance weighted	2	0.08010938	0.173444264	0.999731116
BET1L	Wald ratio	1	-0.368204283	0.426688633	0.999731116
BGLAP	Wald ratio	1	0.113284434	0.161369193	0.999731116
BGN	Inverse variance weighted	14	0.053654633	0.059959301	0.999731116
BHMT2	Inverse variance weighted	5	-0.10673449	0.081043345	0.999731116
BID	Inverse variance weighted	2	0.308581316	0.297699102	0.999731116
BIN1	Inverse variance weighted	4	-0.194988523	0.164016689	0.999731116
BIRC2	Inverse variance weighted	3	0.048499404	0.139763698	0.999731116
BIRC3	Wald ratio	1	-0.211314476	0.450915141	0.999731116
BIRC5	Inverse variance weighted	2	-0.056350933	0.108260699	0.999731116
BIRC7	Inverse variance weighted	3	0.036344304	0.063514282	0.999731116
BLMH	Inverse variance weighted	3	-0.030209178	0.226377345	0.999731116
BLNK	Wald ratio	1	-0.143396226	0.340880503	0.999731116
BLVRA	Wald ratio	1	0.852439024	0.973170732	0.999731116
BLVRB	Inverse variance weighted	4	0.081753382	0.16463602	0.999731116
BMP1	Inverse variance weighted	3	-0.283479768	0.178251262	0.999731116
BMP10	Inverse variance weighted	3	0.025262191	0.094253093	0.999731116
BMP15	Inverse variance weighted	3	-0.160132781	0.237450646	0.999731116
BMP3	Inverse variance weighted	6	0.170420794	0.116067995	0.999731116
BMP4	Inverse variance weighted	10	0.035354054	0.099131929	0.999731116
BMP6	Inverse variance weighted	4	0.110316037	0.231387815	0.999731116
BMP7	Inverse variance weighted	3	0.346472694	0.188844096	0.999731116
BMP8B	Inverse variance weighted	6	0.117153291	0.080746228	0.999731116
BMPER	Inverse variance weighted	2	-0.172053483	0.170083386	0.999731116
BMPR1B	Inverse variance weighted	2	-0.213944716	0.294108665	0.999731116

BMPR2	Inverse variance weighted	2	0.011758594	0.167375022	0.999731116
BMX	Wald ratio	1	-0.240075614	0.512287335	0.999731116
BNIP3	Wald ratio	1	-0.250988142	0.535573123	0.999731116
BOC	Inverse variance weighted	10	-0.034129443	0.089595784	0.999731116
BOLA1	Inverse variance weighted	5	0.067075724	0.042988773	0.999731116
BOLA3	Wald ratio	1	0.062610229	0.154320988	0.999731116
BPGM	Wald ratio	1	0.055873926	0.280802292	0.999731116
BPHL	Inverse variance weighted	4	-0.013584801	0.08272157	0.999731116
BPI	Inverse variance weighted	10	0.022411112	0.037642299	0.999731116
BPIFA1	Inverse variance weighted	4	0.029158822	0.248376492	0.999731116
BPIFA2	Inverse variance weighted	8	0.040499878	0.057829019	0.999731116
BPIFB1	Inverse variance weighted	12	-0.015371714	0.112497405	0.999731116
BPNT1	Inverse variance weighted	2	-0.407948136	0.407425778	0.999731116
BPTF	Inverse variance weighted	2	0.099235461	0.201936118	0.999731116
BRAF	Inverse variance weighted	3	-0.172995126	0.234603791	0.999731116
BRD2	Inverse variance weighted	3	0.084988944	0.198956824	0.999731116
BRD4	Wald ratio	1	-0.154891304	0.368206522	0.999731116
BRDT	Wald ratio	1	-0.015957447	0.374113475	0.999731116
BRF1	Inverse variance weighted	9	-0.158864036	0.15400269	0.999731116
BRICD5	Inverse variance weighted	3	0.266546366	0.155662882	0.999731116
BRPF1	Inverse variance weighted	2	-0.24800142	0.30399578	0.999731116
BRSK2	Inverse variance weighted	5	0.032691873	0.081709089	0.999731116
BSG	Inverse variance weighted	3	0.082267921	0.125182488	0.999731116
BST1	Inverse variance weighted	18	0.001662808	0.014084975	0.999731116
BST2	Wald ratio	1	-0.208409506	0.495429616	0.999731116
BTC	Inverse variance weighted	3	-0.225851977	0.157925539	0.999731116
BTD	Inverse variance weighted	11	-0.024778021	0.074082106	0.999731116
BTG2	Inverse variance weighted	4	0.100386628	0.347333293	0.999731116
BTLA	Inverse variance weighted	3	0.340159203	0.218860143	0.999731116
BTN2A1	Wald ratio	1	-0.21043771	0.456228956	0.999731116
BTN3A1	Inverse variance weighted	4	0.057273253	0.166030752	0.999731116
BTN3A3	Inverse variance weighted	17	0.047663569	0.030432273	0.999731116
BTNL3	Inverse variance weighted	2	-0.176947634	0.315297525	0.999731116
BTNL8	Inverse variance weighted	2	0.009038132	0.339352498	0.999731116
BTNL9	Inverse variance weighted	2	-0.123224374	0.247852136	0.999731116
BUB1	Inverse variance weighted	2	-0.136487115	0.419780249	0.999731116
C10orf35	Inverse variance weighted	8	-0.032544176	0.049634909	0.999731116
C10orf54	Inverse variance weighted	10	-0.081348869	0.054488687	0.999731116
C11orf68	Wald ratio	1	-0.791845494	0.379828326	0.999731116
C11orf73	Inverse variance weighted	3	0.003627179	0.178347468	0.999731116
C11orf87	Inverse variance weighted	3	0.106474448	0.096410137	0.999731116
C11orf94	Inverse variance weighted	2	0.123694332	0.18957357	0.999731116
C14orf93	Inverse variance weighted	5	-0.016187914	0.065718921	0.999731116
C16orf54	Wald ratio	1	0.040816327	0.37755102	0.999731116
C17orf78	Wald ratio	1	-0.179378531	0.382768362	0.999731116
C17orf89	Wald ratio	1	-0.251533742	0.463190184	0.999731116
C18orf32	Wald ratio	1	-0.1225	0.524	0.999731116
C19orf18	Wald ratio	1	-0.23388582	0.49907919	0.999731116
C19orf80	Wald ratio	1	0.2375	0.378571429	0.999731116
C1D	Inverse variance weighted	3	0.051414641	0.160500845	0.999731116

C1orf115	Inverse variance weighted	2	0.090843629	0.203027062	0.999731116
C1orf162	Inverse variance weighted	9	0.041772869	0.076136261	0.999731116
C1orf185	Wald ratio	1	0.065717415	0.657174151	0.999731116
C1orf186	Inverse variance weighted	2	0.089506411	0.284558377	0.999731116
C1orf198	Inverse variance weighted	2	0.077889931	0.322247495	0.999731116
C1orf210	Inverse variance weighted	2	0.329590555	0.315312663	0.999731116
C1orf226	Inverse variance weighted	6	-0.183383863	0.142585451	0.999731116
C1orf43	Inverse variance weighted	2	-0.188834457	0.360840314	0.999731116
C1QBP	Inverse variance weighted	3	0.033523491	0.143426705	0.999731116
C1QC	Inverse variance weighted	17	0.011727683	0.04344636	0.999731116
C1QL1	Inverse variance weighted	6	-0.001179681	0.076667265	0.999731116
C1QL2	Inverse variance weighted	6	0.095229284	0.087085151	0.999731116
C1QL4	Inverse variance weighted	3	-0.367743276	0.223198949	0.999731116
C1QTNF1	Inverse variance weighted	9	-0.103460352	0.101855647	0.999731116
C1QTNF3	Inverse variance weighted	7	-0.06432895	0.135870487	0.999731116
C1QTNF5	Inverse variance weighted	12	-0.045537899	0.067868136	0.999731116
C1QTNF9	Wald ratio	1	0.006698565	0.080382775	0.999731116
C1R	Inverse variance weighted	4	-0.146306785	0.170404476	0.999731116
C1RL	Inverse variance weighted	7	0.016533496	0.072786473	0.999731116
C1S	Inverse variance weighted	4	-0.007020538	0.123493799	0.999731116
C2	Inverse variance weighted	11	0.123342373	0.101955105	0.999731116
C20orf173	Inverse variance weighted	8	0.004925874	0.057433325	0.999731116
C21orf33	Inverse variance weighted	6	0.037000405	0.085460265	0.999731116
C2orf40	Inverse variance weighted	8	0.235477299	0.23500298	0.999731116
C2orf66	Wald ratio	1	0.018364929	0.106635071	0.999731116
C3	Inverse variance weighted	2	-0.145109256	0.177505321	0.999731116
C3orf18	Inverse variance weighted	7	0.015897636	0.081516571	0.999731116
C4BPA	Inverse variance weighted	7	0.072660027	0.037074089	0.999731116
C4BPB	Wald ratio	1	0.214862682	0.342487884	0.999731116
C4orf32	Inverse variance weighted	9	-0.165812488	0.110589069	0.999731116
C5	Inverse variance weighted	5	-0.226906523	0.12004455	0.999731116
C5orf38	Inverse variance weighted	10	-0.054481632	0.066413928	0.999731116
C5orf46	Inverse variance weighted	3	0.050017487	0.120193008	0.999731116
C5orf63	Inverse variance weighted	4	0.043388693	0.098629036	0.999731116
C6	Inverse variance weighted	7	0.043443687	0.054034956	0.999731116
C6orf89	Inverse variance weighted	3	0.071786867	0.193346425	0.999731116
C7	Inverse variance weighted	13	-0.059903199	0.042639562	0.999731116
C7orf69	Wald ratio	1	0.025031289	0.197747184	0.999731116
C7orf73	Wald ratio	1	-0.193220339	0.459322034	0.999731116
C8G	Inverse variance weighted	7	0.010361401	0.033433945	0.999731116
C9	Inverse variance weighted	3	0.234336495	0.465009317	0.999731116
C9orf89	Inverse variance weighted	4	0.07911452	0.140060129	0.999731116
CA1	Inverse variance weighted	6	-0.008311802	0.117153628	0.999731116
CA10	Inverse variance weighted	12	-0.091928973	0.067985803	0.999731116
CA11	Inverse variance weighted	3	-0.067564438	0.087129177	0.999731116
CA12	Inverse variance weighted	2	-0.375381803	0.312023165	0.999731116
CA13	Inverse variance weighted	5	0.076971338	0.130421007	0.999731116
CA3	Inverse variance weighted	10	0.026529079	0.069749571	0.999731116
CA4	Inverse variance weighted	4	-0.26176819	0.200833225	0.999731116
CA5A	Wald ratio	1	0.308957952	0.305301645	0.999731116

CA5B	Inverse variance weighted	4	0.067421368	0.084854171	0.999731116
CA6	Inverse variance weighted	10	-0.016047597	0.034531953	0.999731116
CA7	Inverse variance weighted	3	0.066919611	0.178677319	0.999731116
CA8	Inverse variance weighted	8	0.04882266	0.04268514	0.999731116
CA9	Inverse variance weighted	3	0.006379729	0.107325938	0.999731116
CABP7	Inverse variance weighted	6	-0.016641186	0.095472119	0.999731116
CACNA2D3	Inverse variance weighted	16	0.013378665	0.061882947	0.999731116
CACNB4	Inverse variance weighted	4	-0.23309682	0.20271242	0.999731116
CACYBP	Inverse variance weighted	4	-0.026411327	0.139457646	0.999731116
CADM1	Inverse variance weighted	5	-0.043819242	0.092398364	0.999731116
CADM2	Inverse variance weighted	3	0.112962916	0.195783513	0.999731116
CADM3	Wald ratio	1	-0.370257967	0.248861912	0.999731116
CALB1	Inverse variance weighted	4	-0.015124011	0.072885042	0.999731116
CALB2	Wald ratio	1	0.331154684	0.346405229	0.999731116
CALCB	Inverse variance weighted	3	-0.095848719	0.071741305	0.999731116
CALCOCO2	Inverse variance weighted	2	0.105659763	0.250053291	0.999731116
CALN1	Inverse variance weighted	2	-0.254794731	0.324722932	0.999731116
CALR	Wald ratio	1	-0.245647969	0.52417795	0.999731116
CALY	Wald ratio	1	-0.215500945	0.512287335	0.999731116
CAMK1	Inverse variance weighted	11	0.046562532	0.089036827	0.999731116
CAMK1D	Inverse variance weighted	3	-0.063607932	0.099653364	0.999731116
CAMK2D	Wald ratio	1	-0.521640091	0.362186788	0.999731116
CAMK4	Inverse variance weighted	2	0.021074675	0.263416802	0.999731116
CAMKK1	Wald ratio	1	-0.266247379	0.568134172	0.999731116
CAMP	Inverse variance weighted	42	-0.022749551	0.039595312	0.999731116
CANT1	Inverse variance weighted	3	0.67733277	0.445120009	0.999731116
CANX	Wald ratio	1	-0.182108626	0.432907348	0.999731116
CAPG	Inverse variance weighted	8	-0.020996515	0.102705646	0.999731116
CAPN2	Inverse variance weighted	2	0.018429564	0.17761734	0.999731116
CAPN3	Wald ratio	1	-0.421636616	0.310679612	0.999731116
CAPNS1	Inverse variance weighted	5	0.047071735	0.089457016	0.999731116
CARD17	Wald ratio	1	-0.128813559	0.306214689	0.999731116
CARD18	Inverse variance weighted	4	-0.030509758	0.101761418	0.999731116
CARD9	Inverse variance weighted	2	-0.23089096	0.333513283	0.999731116
CARHSP1	Inverse variance weighted	2	0.133480587	0.332700581	0.999731116
CARS	Wald ratio	1	0.041322314	0.326446281	0.999731116
CARTPT	Wald ratio	1	-0.2	0.426771654	0.999731116
CASC4	Inverse variance weighted	11	-0.044614005	0.061309933	0.999731116
CASK	Inverse variance weighted	3	0.2213539	0.176274392	0.999731116
CASP10	Inverse variance weighted	2	0.100835825	0.205402108	0.999731116
CASP3	Inverse variance weighted	4	0.023979877	0.179040084	0.999731116
CASP8	Inverse variance weighted	2	-0.073844331	0.143534957	0.999731116
CASQ1	Wald ratio	1	-0.056417489	0.231311707	0.999731116
CASQ2	Wald ratio	1	-0.13118527	0.311852704	0.999731116
CASS4	Inverse variance weighted	3	0.326381177	0.39395218	0.999731116
CAST	Inverse variance weighted	8	-0.272941189	0.181043214	0.999731116
CAT	Inverse variance weighted	3	-0.021099975	0.089831329	0.999731116
CAV2	Inverse variance weighted	5	0.032610292	0.104033302	0.999731116
CAV3	Wald ratio	1	1.780650542	1.039199333	0.999731116
CBFB	Inverse variance weighted	3	0.079097184	0.197455941	0.999731116

CBL	Wald ratio	1	0.03815893	0.082612116	0.999731116
CBLN1	Inverse variance weighted	32	-0.05693132	0.046163959	0.999731116
CBLN4	Inverse variance weighted	8	-0.11026618	0.070683886	0.999731116
CBR1	Inverse variance weighted	4	0.008836124	0.185102339	0.999731116
CBR3	Inverse variance weighted	6	-0.082129668	0.045823936	0.999731116
CBS	Wald ratio	1	-0.396449704	0.383431953	0.999731116
CBX1	Wald ratio	1	0.015761821	0.561295972	0.999731116
CBX5	Inverse variance weighted	5	-0.104895788	0.106225031	0.999731116
CCBL1	Inverse variance weighted	6	0.040177306	0.070517015	0.999731116
CCBL2	Inverse variance weighted	8	-0.035365626	0.132194048	0.999731116
CCDC126	Inverse variance weighted	10	0.012477703	0.055786883	0.999731116
CCDC134	Wald ratio	1	0.210200927	0.248840804	0.999731116
CCDC167	Inverse variance weighted	4	0.056995845	0.115417026	0.999731116
CCDC25	Wald ratio	1	-0.139194139	0.330891331	0.999731116
CCDC50	Wald ratio	1	0.14379085	0.291503268	0.999731116
CCDC51	Wald ratio	1	0.093312597	0.275272162	0.999731116
CCDC64	Inverse variance weighted	2	0.019838708	0.205772944	0.999731116
CCDC80	Inverse variance weighted	4	-0.098616231	0.291650355	0.999731116
CCDC90B	Inverse variance weighted	3	0.103485254	0.170605079	0.999731116
CCK	Inverse variance weighted	4	0.036729473	0.169123389	0.999731116
CCL1	Inverse variance weighted	5	-0.135208461	0.101519609	0.999731116
CCL11	Inverse variance weighted	11	0.112165785	0.114586771	0.999731116
CCL14	Inverse variance weighted	4	0.014364574	0.02618214	0.999731116
CCL15	Inverse variance weighted	13	0.010477504	0.038629872	0.999731116
CCL16	Inverse variance weighted	7	0.048214288	0.039601649	0.999731116
CCL17	Inverse variance weighted	19	0.00590335	0.046712554	0.999731116
CCL18	Inverse variance weighted	5	0.012197541	0.054379179	0.999731116
CCL19	Inverse variance weighted	4	-0.195234387	0.108772953	0.999731116
CCL2	Inverse variance weighted	2	0.119153068	0.242570166	0.999731116
CCL20	Wald ratio	1	0.063559322	0.1875	0.999731116
CCL21	Inverse variance weighted	9	0.028844426	0.063799946	0.999731116
CCL22	Inverse variance weighted	13	0.039456086	0.073421151	0.999731116
CCL23	Inverse variance weighted	3	0.041185387	0.022672383	0.999731116
CCL24	Inverse variance weighted	4	-0.011608079	0.145756464	0.999731116
CCL25	Inverse variance weighted	5	0.134249181	0.082694628	0.999731116
CCL26	Inverse variance weighted	3	0.035048069	0.13818927	0.999731116
CCL27	Wald ratio	1	-0.262396694	0.559917355	0.999731116
CCL28	Inverse variance weighted	9	0.001443676	0.0664045	0.999731116
CCL3	Inverse variance weighted	2	0.042078097	0.116273614	0.999731116
CCL3L1	Inverse variance weighted	3	-0.149790287	0.152931821	0.999731116
CCL4L1	Wald ratio	1	-0.191324555	0.201394268	0.999731116
CCL5	Inverse variance weighted	8	0.005752755	0.053742897	0.999731116
CCL7	Inverse variance weighted	6	0.023895698	0.035305303	0.999731116
CCL8	Inverse variance weighted	12	-0.010102311	0.021806129	0.999731116
CCM2	Inverse variance weighted	2	0.08500828	0.175848339	0.999731116
CCNA1	Wald ratio	1	0.085348506	0.251778094	0.999731116
CCNA2	Wald ratio	1	0.060728745	0.179149798	0.999731116
CCNB1	Inverse variance weighted	3	-0.002383594	0.158031078	0.999731116
CCNB2	Inverse variance weighted	3	-0.04217594	0.078418414	0.999731116
CCNH	Wald ratio	1	-0.370716511	0.272066459	0.999731116

CCS	Inverse variance weighted	3	0.157431983	0.125201291	0.999731116
CCT5	Wald ratio	1	-0.205328135	0.500324886	0.999731116
CCT7	Inverse variance weighted	4	0.045772697	0.101651361	0.999731116
CD109	Inverse variance weighted	20	0.029641404	0.02548517	0.999731116
CD14	Inverse variance weighted	17	-0.020152028	0.061629092	0.999731116
CD160	Inverse variance weighted	5	0.213477213	0.154934588	0.999731116
CD163	Inverse variance weighted	19	-0.005395991	0.048019205	0.999731116
CD164L2	Inverse variance weighted	5	0.040906153	0.149791625	0.999731116
CD177	Inverse variance weighted	12	0.064583778	0.050097691	0.999731116
CD1A	Inverse variance weighted	5	0.070865666	0.301775315	0.999731116
CD1D	Inverse variance weighted	4	0.060795739	0.14065357	0.999731116
CD200	Inverse variance weighted	6	0.067298782	0.113457623	0.999731116
CD200R1	Inverse variance weighted	5	0.020397195	0.194626663	0.999731116
CD200R1L	Wald ratio	1	0.308375635	0.244923858	0.999731116
CD207	Wald ratio	1	-0.1155596	0.246587807	0.999731116
CD209	Inverse variance weighted	10	0.016031034	0.028977177	0.999731116
CD226	Inverse variance weighted	4	-0.036347173	0.206578452	0.999731116
CD244	Wald ratio	1	1.218809981	0.865642994	0.999731116
CD247	Wald ratio	1	-1.059119497	1.796226415	0.999731116
CD248	Inverse variance weighted	2	0.052452166	0.186912213	0.999731116
CD27	Inverse variance weighted	4	0.007347166	0.028607693	0.999731116
CD274	Inverse variance weighted	2	-0.037622665	0.084847728	0.999731116
CD300A	Inverse variance weighted	15	0.061958441	0.035392548	0.999731116
CD300C	Inverse variance weighted	12	0.100921378	0.059496707	0.999731116
CD300E	Inverse variance weighted	2	-0.256160175	0.392113082	0.999731116
CD300LF	Inverse variance weighted	2	-0.101336037	0.404560458	0.999731116
CD33	Inverse variance weighted	6	-0.065258098	0.101768359	0.999731116
CD36	Inverse variance weighted	12	0.043207863	0.039149017	0.999731116
CD37	Inverse variance weighted	3	-0.15761233	0.304346476	0.999731116
CD38	Inverse variance weighted	2	-0.193038895	0.284061348	0.999731116
CD3E	Inverse variance weighted	22	0.023801007	0.046511662	0.999731116
CD3G	Inverse variance weighted	2	0.008616544	0.241205362	0.999731116
CD4	Inverse variance weighted	2	-0.040094408	0.331871674	0.999731116
CD40LG	Inverse variance weighted	2	0.172277407	0.300805733	0.999731116
CD44	Wald ratio	1	0.195828505	0.252607184	0.999731116
CD46	Inverse variance weighted	5	0.059848991	0.083307171	0.999731116
CD47	Inverse variance weighted	2	-0.551487181	0.274564348	0.999731116
CD48	Inverse variance weighted	6	-0.0779703	0.151292235	0.999731116
CD5	Inverse variance weighted	24	0.02723691	0.036584438	0.999731116
CD55	Inverse variance weighted	10	-0.014807307	0.057518329	0.999731116
CD58	Inverse variance weighted	3	0.064447876	0.12633435	0.999731116
CD59	Inverse variance weighted	3	-0.166093105	0.096279681	0.999731116
CD5L	Inverse variance weighted	5	-0.752433033	0.425744346	0.999731116
CD63	Wald ratio	1	-0.151913876	0.324162679	0.999731116
CD68	Inverse variance weighted	7	0.071417079	0.125634578	0.999731116
CD69	Inverse variance weighted	3	-0.067343093	0.157218946	0.999731116
CD7	Inverse variance weighted	5	0.345236705	0.24661267	0.999731116
CD70	Inverse variance weighted	3	0.054511813	0.231329433	0.999731116
CD72	Inverse variance weighted	6	0.035621969	0.141403639	0.999731116
CD74	Inverse variance weighted	3	0.081004337	0.200730341	0.999731116

CD79A	Inverse variance weighted	4	0.09082106	0.199383588	0.999731116
CD79B	Wald ratio	1	-0.063795853	0.261562998	0.999731116
CD80	Inverse variance weighted	2	-0.145764686	0.282706193	0.999731116
CD81	Inverse variance weighted	2	-0.258334078	0.455029923	0.999731116
CD86	Inverse variance weighted	3	-0.14655497	0.343351878	0.999731116
CD8A	Inverse variance weighted	8	-0.07612103	0.097403601	0.999731116
CD8B	Inverse variance weighted	6	0.014815901	0.071890803	0.999731116
CD9	Inverse variance weighted	4	0.064463628	0.079408371	0.999731116
CD93	Inverse variance weighted	5	-0.017385629	0.151119468	0.999731116
CD96	Inverse variance weighted	3	-0.095981494	0.181308743	0.999731116
CD97	Inverse variance weighted	7	0.222827653	0.227241243	0.999731116
CD99L2	Inverse variance weighted	5	0.07431655	0.109834659	0.999731116
CDC2	Inverse variance weighted	2	-0.043112351	0.216693868	0.999731116
CDC25B	Inverse variance weighted	2	0.074027042	0.153936542	0.999731116
CDC42	Inverse variance weighted	2	-0.227184553	0.345876308	0.999731116
CDC42BPA	Inverse variance weighted	3	0.07379506	0.263449829	0.999731116
CDC42BPB	Inverse variance weighted	4	0.093935722	0.146044353	0.999731116
CDCP1	Inverse variance weighted	12	0.10151325	0.068513039	0.999731116
CDH11	Inverse variance weighted	18	-0.030226103	0.056187932	0.999731116
CDH12	Wald ratio	1	1.144705882	0.736470588	0.999731116
CDH15	Inverse variance weighted	7	0.085379896	0.109482098	0.999731116
CDH17	Inverse variance weighted	14	-0.090507881	0.039369446	0.999731116
CDH2	Inverse variance weighted	3	0.092402088	0.152037215	0.999731116
CDH3	Inverse variance weighted	8	-0.043443446	0.057533995	0.999731116
CDH5	Inverse variance weighted	6	0.025229424	0.023033413	0.999731116
CDH6	Inverse variance weighted	4	0.168595538	0.129462563	0.999731116
CDH7	Inverse variance weighted	10	0.054301331	0.051778028	0.999731116
CDH8	Inverse variance weighted	6	0.09629175	0.071751435	0.999731116
CDHR1	Inverse variance weighted	3	0.020125138	0.18420659	0.999731116
CDHR3	Inverse variance weighted	4	-0.060777437	0.213085374	0.999731116
CDHR5	Inverse variance weighted	5	0.065228589	0.091838259	0.999731116
CDK2AP1	Wald ratio	1	-0.251485149	0.536633663	0.999731116
CDK2AP2	Wald ratio	1	-0.251485149	0.536633663	0.999731116
CDKN1A	Wald ratio	1	-0.22983871	0.546370968	0.999731116
CDKN1B	Inverse variance weighted	3	0.008990162	0.189905173	0.999731116
CDKN2B	Inverse variance weighted	4	-0.00924634	0.146719484	0.999731116
CDKN2C	Inverse variance weighted	4	0.027697179	0.105697449	0.999731116
CDKN2D	Inverse variance weighted	4	-0.173468628	0.138632163	0.999731116
CDNF	Inverse variance weighted	2	-0.119208936	0.142957225	0.999731116
CDON	Inverse variance weighted	2	0.003010779	0.038480822	0.999731116
CDSN	Inverse variance weighted	10	-0.007643184	0.057212491	0.999731116
CDY1	Wald ratio	1	-0.260780287	0.556468172	0.999731116
CDYL2	Wald ratio	1	0.116751269	0.214467005	0.999731116
CEACAM19	Inverse variance weighted	4	0.022898754	0.166343944	0.999731116
CEACAM20	Inverse variance weighted	2	0.042327354	0.188233503	0.999731116
CEACAM3	Inverse variance weighted	3	0.115575107	0.141280292	0.999731116
CEACAM4	Wald ratio	1	-0.065359477	0.267973856	0.999731116
CEACAM7	Inverse variance weighted	3	0.007634297	0.04676209	0.999731116
CEACAM8	Inverse variance weighted	17	-0.025861762	0.062513783	0.999731116
CEBPA	Wald ratio	1	-0.20483871	0.437096774	0.999731116

CEBPB	Inverse variance weighted	6	0.111743864	0.078234677	0.999731116
CEBPG	Inverse variance weighted	2	-0.001101994	0.215157188	0.999731116
CECR1	Inverse variance weighted	13	0.022804785	0.05196212	0.999731116
CEL	Inverse variance weighted	10	0.009273466	0.029005359	0.999731116
CELA1	Inverse variance weighted	18	-0.010464628	0.030456617	0.999731116
CELA2A	Inverse variance weighted	14	0.037095036	0.08056385	0.999731116
CELA3B	Wald ratio	1	-0.0625	0.25625	0.999731116
CELF2	Wald ratio	1	-0.260245902	0.555327869	0.999731116
CENPV	Inverse variance weighted	2	0.130758261	0.195373864	0.999731116
CENPW	Inverse variance weighted	4	-0.153661231	0.225801132	0.999731116
CER1	Wald ratio	1	-0.223591549	0.477112676	0.999731116
CERS5	Wald ratio	1	-0.1613723	0.344345616	0.999731116
CES1	Inverse variance weighted	5	-0.063775269	0.12222931	0.999731116
CETN2	Wald ratio	1	0.133534137	0.212851406	0.999731116
CETN3	Inverse variance weighted	4	0.070706366	0.148457443	0.999731116
CFAP45	Inverse variance weighted	3	-0.204953714	0.481794994	0.999731116
CFB	Inverse variance weighted	11	-0.074611972	0.077708279	0.999731116
CFD	Inverse variance weighted	7	-0.156090724	0.109369211	0.999731116
CFH	Inverse variance weighted	3	0.001029046	0.378471967	0.999731116
CFHR1	Inverse variance weighted	13	-0.031574551	0.053416257	0.999731116
CFHR2	Inverse variance weighted	19	-0.062649927	0.068938441	0.999731116
CFHR3	Wald ratio	1	-0.117592593	0.250925926	0.999731116
CFHR4	Inverse variance weighted	21	-0.028330326	0.034258762	0.999731116
CFHR5	Inverse variance weighted	5	0.029472772	0.199870341	0.999731116
CFI	Inverse variance weighted	2	-0.093092642	0.167055171	0.999731116
CFL1	Inverse variance weighted	3	0.095508801	0.150329504	0.999731116
CFL2	Wald ratio	1	-0.123537061	0.139141743	0.999731116
CFP	Wald ratio	1	-0.18989899	0.319191919	0.999731116
CGA	Inverse variance weighted	3	-0.021367586	0.170007409	0.999731116
CGB2	Inverse variance weighted	2	-0.016987609	0.227313969	0.999731116
CGREF1	Inverse variance weighted	12	0.05071817	0.088981677	0.999731116
CHAD	Inverse variance weighted	7	-0.175656312	0.159061426	0.999731116
CHCHD10	Wald ratio	1	-0.067114094	0.275167785	0.999731116
CHD7	Wald ratio	1	-0.168141593	0.399705015	0.999731116
CHEK1	Inverse variance weighted	3	-0.192719125	0.18514516	0.999731116
CHEK2	Wald ratio	1	-0.174846626	0.415644172	0.999731116
CHFR	Inverse variance weighted	2	-0.092249728	0.228780809	0.999731116
CHGA	Inverse variance weighted	5	0.245241708	0.366971977	0.999731116
CHGB	Inverse variance weighted	9	-0.122089952	0.104101677	0.999731116
CHI3L1	Inverse variance weighted	4	0.008309028	0.024939059	0.999731116
CHI3L2	Inverse variance weighted	9	-0.015678972	0.080384158	0.999731116
CHIA	Inverse variance weighted	4	0.191387726	0.144773657	0.999731116
CHIT1	Inverse variance weighted	7	-0.000946215	0.018292775	0.999731116
CHKB	Inverse variance weighted	5	0.247782101	0.305322313	0.999731116
CHL1	Inverse variance weighted	8	0.013499437	0.061684168	0.999731116
CHMP2A	Wald ratio	1	0.036363636	0.287272727	0.999731116
CHMP2B	Inverse variance weighted	4	-0.019847001	0.062939227	0.999731116
CHP1	Inverse variance weighted	2	0.250916805	0.155451763	0.999731116
CHRD	Wald ratio	1	0.442430704	0.710021322	0.999731116
CHRDL1	Inverse variance weighted	3	-0.074918748	0.419276225	0.999731116

CHRDL2	Inverse variance weighted	8	-0.041870649	0.080341445	0.999731116
CHST1	Inverse variance weighted	2	0.134971982	0.319508263	0.999731116
CHST11	Inverse variance weighted	7	0.041658705	0.051815895	0.999731116
CHST12	Inverse variance weighted	6	-0.106137096	0.069032808	0.999731116
CHST14	Inverse variance weighted	2	0.002147639	0.244066686	0.999731116
CHST2	Inverse variance weighted	3	0.166534942	0.21034385	0.999731116
CHST3	Inverse variance weighted	3	-0.310108812	0.191357371	0.999731116
CHST4	Inverse variance weighted	2	0.417204449	0.27657201	0.999731116
CHST6	Wald ratio	1	-0.154689403	0.330085262	0.999731116
CHST9	Inverse variance weighted	6	0.015391323	0.084462788	0.999731116
CILP	Wald ratio	1	0.60960334	0.849686848	0.999731116
CILP2	Wald ratio	1	0.194542254	0.547535211	0.999731116
CINP	Wald ratio	1	0.041237113	0.325773196	0.999731116
CIRBP	Inverse variance weighted	2	-0.19807068	0.173716722	0.999731116
CISD1	Inverse variance weighted	2	-0.088184992	0.175328762	0.999731116
CISD2	Inverse variance weighted	2	0.17184936	0.337908681	0.999731116
CKAP2	Inverse variance weighted	9	0.031436476	0.074933766	0.999731116
CKAP4	Inverse variance weighted	3	-0.282192008	0.170852101	0.999731116
CKB	Wald ratio	1	-0.076109937	0.568710359	0.999731116
CKMT1A	Inverse variance weighted	6	0.2102316	0.15700785	0.999731116
CKMT2	Inverse variance weighted	3	-0.030733627	0.160096339	0.999731116
CKS1B	Inverse variance weighted	3	0.112411216	0.080406865	0.999731116
CLC	Inverse variance weighted	2	-0.121470778	0.284503111	0.999731116
CLCA1	Wald ratio	1	-0.465250965	0.432432432	0.999731116
CLCA2	Inverse variance weighted	6	0.082500555	0.139002631	0.999731116
CLEC10A	Inverse variance weighted	2	0.128971119	0.254873171	0.999731116
CLEC11A	Inverse variance weighted	19	0.092115464	0.070991394	0.999731116
CLEC12A	Inverse variance weighted	7	-0.057222999	0.078213847	0.999731116
CLEC1B	Inverse variance weighted	5	0.080915782	0.087976659	0.999731116
CLEC2A	Inverse variance weighted	6	-0.138021978	0.109879794	0.999731116
CLEC2B	Inverse variance weighted	2	0.17811666	0.353883478	0.999731116
CLEC2D	Inverse variance weighted	3	0.108919008	0.139034685	0.999731116
CLEC2L	Wald ratio	1	-0.242366412	0.517175573	0.999731116
CLEC3B	Inverse variance weighted	4	-0.085713753	0.107346822	0.999731116
CLEC4A	Inverse variance weighted	7	0.004412432	0.097276613	0.999731116
CLEC4C	Inverse variance weighted	19	-0.03700894	0.046677951	0.999731116
CLEC4D	Inverse variance weighted	3	-0.033972761	0.112080212	0.999731116
CLEC4G	Inverse variance weighted	2	0.003596507	0.118328706	0.999731116
CLEC4M	Inverse variance weighted	3	-0.19795062	0.193841098	0.999731116
CLEC7A	Inverse variance weighted	2	0.036785355	0.123815138	0.999731116
CLGN	Inverse variance weighted	10	0.00433713	0.035949776	0.999731116
CLIC1	Inverse variance weighted	2	0.110882478	0.210429451	0.999731116
CLIC2	Inverse variance weighted	2	0.357343271	0.30306126	0.999731116
CLIC5	Inverse variance weighted	12	-0.010433114	0.049771616	0.999731116
CLK2	Inverse variance weighted	7	0.112744346	0.204940713	0.999731116
CLMP	Inverse variance weighted	4	-0.010807661	0.073151498	0.999731116
CLN5	Inverse variance weighted	4	-0.030078446	0.094942199	0.999731116
CLPS	Inverse variance weighted	2	0.059563592	0.067913559	0.999731116
CLPSL1	Inverse variance weighted	9	-0.046249775	0.048862616	0.999731116
CLPSL2	Inverse variance weighted	2	-0.073008609	0.141110932	0.999731116

CLSTN1	Inverse variance weighted	7	-0.070542736	0.144510621	0.999731116
CLSTN2	Inverse variance weighted	11	-0.046430833	0.099945675	0.999731116
CLSTN3	Wald ratio	1	0.755371901	1.080991736	0.999731116
CLTA	Inverse variance weighted	3	0.042976203	0.213302131	0.999731116
CLTC	Inverse variance weighted	2	0.007328484	0.15247508	0.999731116
CLU	Inverse variance weighted	4	-0.092296267	0.119697102	0.999731116
CMA1	Inverse variance weighted	2	-0.079219032	0.152496135	0.999731116
CMBL	Wald ratio	1	-0.812596006	1.270353303	0.999731116
CMPK1	Inverse variance weighted	2	0.095695733	0.289496271	0.999731116
CNDP1	Inverse variance weighted	11	0.107813234	0.050272821	0.999731116
CNDP2	Inverse variance weighted	3	-0.173031069	0.18182408	0.999731116
CNEP1R1	Inverse variance weighted	2	-0.127009958	0.255990914	0.999731116
CNN1	Inverse variance weighted	13	0.015719883	0.099676203	0.999731116
CNN2	Wald ratio	1	-0.417799211	0.34896975	0.999731116
CNOT1	Wald ratio	1	0.607538803	1.00886918	0.999731116
CNP	Inverse variance weighted	3	-0.102307167	0.33084355	0.999731116
CNPY3	Inverse variance weighted	2	0.136028001	0.074909297	0.999731116
CNRIP1	Inverse variance weighted	10	-0.014388145	0.069358987	0.999731116
CNTF	Inverse variance weighted	3	-0.099077248	0.195562016	0.999731116
CNTFR	Inverse variance weighted	10	0.066867393	0.034003993	0.999731116
CNTN1	Inverse variance weighted	8	0.033441717	0.03648703	0.999731116
CNTN2	Inverse variance weighted	10	-0.039178246	0.047394991	0.999731116
CNTN4	Inverse variance weighted	12	0.080041303	0.043851614	0.999731116
CNTN5	Inverse variance weighted	3	0.132436107	0.209535387	0.999731116
CNTNAP2	Inverse variance weighted	11	-0.031406124	0.041959726	0.999731116
CNTNAP5	Inverse variance weighted	4	0.078596639	0.123294865	0.999731116
COA3	Inverse variance weighted	6	0.050321702	0.091967728	0.999731116
COCH	Inverse variance weighted	23	0.009128046	0.039642027	0.999731116
COG8	Wald ratio	1	-0.283482143	0.604910714	0.999731116
COL10A1	Inverse variance weighted	5	0.043529692	0.162161528	0.999731116
COL11A2	Inverse variance weighted	7	-0.125629022	0.124672131	0.999731116
COL13A1	Inverse variance weighted	2	-0.339268112	0.244515098	0.999731116
COL15A1	Inverse variance weighted	7	0.057176776	0.055989471	0.999731116
COL18A1	Inverse variance weighted	6	-0.010039228	0.102933368	0.999731116
COL1A1	Inverse variance weighted	10	0.069697986	0.097317399	0.999731116
COL20A1	Inverse variance weighted	2	-0.744151115	0.726244157	0.999731116
COL23A1	Inverse variance weighted	2	-0.253911142	0.352028531	0.999731116
COL25A1	Inverse variance weighted	2	0.151450318	0.3083431	0.999731116
COL2A1	Inverse variance weighted	20	0.041532123	0.033520692	0.999731116
COL3A1	Inverse variance weighted	6	0.0900678	0.079142286	0.999731116
COL4A3BP	Inverse variance weighted	4	-0.087726786	0.164170754	0.999731116
COL6A1	Inverse variance weighted	18	-0.07808447	0.070942625	0.999731116
COL6A2	Inverse variance weighted	2	-0.187568352	0.225250655	0.999731116
COL6A3	Inverse variance weighted	3	0.167264767	0.127905692	0.999731116
COL9A1	Inverse variance weighted	4	-0.009432462	0.18713936	0.999731116
COLEC10	Inverse variance weighted	9	0.029026774	0.064295969	0.999731116
COLEC11	Inverse variance weighted	14	0.003441222	0.020884006	0.999731116
COLEC12	Inverse variance weighted	10	-0.038085512	0.035129067	0.999731116
COLGALT1	Inverse variance weighted	7	-0.086636416	0.064020657	0.999731116
COLGALT2	Inverse variance weighted	3	-0.029734156	0.169450651	0.999731116

COMMD1	Inverse variance weighted	2	0.542382305	1.313450106	0.999731116
COMMD7	Inverse variance weighted	3	-0.007938712	0.152935288	0.999731116
COMMD9	Wald ratio	1	0.06189968	0.173959445	0.999731116
COMP	Inverse variance weighted	10	-0.04388974	0.102162613	0.999731116
COMT	Inverse variance weighted	3	-0.364047944	0.175644198	0.999731116
COPE	Inverse variance weighted	4	0.119025594	0.082755241	0.999731116
COPS2	Inverse variance weighted	7	0.00177246	0.064886771	0.999731116
COPS7B	Inverse variance weighted	16	0.025942408	0.058247855	0.999731116
COTL1	Inverse variance weighted	2	0.101741449	0.170297611	0.999731116
COX4I2	Inverse variance weighted	11	0.030430213	0.062443032	0.999731116
COX5A	Wald ratio	1	0.365384615	0.274358974	0.999731116
COX5B	Wald ratio	1	-0.239171375	0.510357815	0.999731116
COX6A2	Wald ratio	1	0.227868852	0.324590164	0.999731116
COX6C	Inverse variance weighted	14	0.01391322	0.054540218	0.999731116
COX7A1	Inverse variance weighted	3	0.262513788	0.251426616	0.999731116
COX7A2L	Inverse variance weighted	4	0.174167305	0.251021228	0.999731116
CP	Inverse variance weighted	11	0.037977969	0.053689223	0.999731116
CPA2	Inverse variance weighted	7	0.036799359	0.094508088	0.999731116
CPA4	Inverse variance weighted	20	0.003116903	0.039110102	0.999731116
CPB1	Inverse variance weighted	14	0.047636056	0.056538056	0.999731116
CPB2	Inverse variance weighted	6	-0.067827258	0.042437703	0.999731116
CPD	Inverse variance weighted	4	0.042103895	0.124582714	0.999731116
CPE	Inverse variance weighted	6	0.002343956	0.098463308	0.999731116
CPLX1	Inverse variance weighted	2	0.195106365	0.2932855	0.999731116
CPLX2	Wald ratio	1	0.038863976	0.288490284	0.999731116
CPM	Inverse variance weighted	13	0.085382084	0.071827165	0.999731116
CPN1	Inverse variance weighted	3	-0.252931719	0.185098233	0.999731116
CPN2	Inverse variance weighted	15	-0.005926898	0.031258519	0.999731116
CPNE1	Inverse variance weighted	10	-0.034868931	0.02442532	0.999731116
CPOX	Inverse variance weighted	11	-0.126388332	0.07868059	0.999731116
CPQ	Inverse variance weighted	20	-0.031767544	0.04114906	0.999731116
CPT1B	Inverse variance weighted	13	0.02710062	0.049142825	0.999731116
CPVL	Inverse variance weighted	2	-0.018844139	0.516292401	0.999731116
CPXM1	Inverse variance weighted	4	-0.007468706	0.054103508	0.999731116
CPZ	Wald ratio	1	-0.172619048	0.263392857	0.999731116
CR1	Inverse variance weighted	16	-0.016914615	0.034332413	0.999731116
CR2	Inverse variance weighted	19	0.052029534	0.059311585	0.999731116
CRABP1	Inverse variance weighted	3	0.041921927	0.119592328	0.999731116
CRABP2	Inverse variance weighted	2	0.042177259	0.058471401	0.999731116
CRADD	Wald ratio	1	-0.721030043	0.557939914	0.999731116
CRAT	Wald ratio	1	0.366602687	0.322456814	0.999731116
CRCP	Inverse variance weighted	4	0.009133697	0.113377713	0.999731116
CREB3L1	Wald ratio	1	-0.070671378	0.28975265	0.999731116
CREB3L2	Wald ratio	1	-0.284116331	0.606263982	0.999731116
CREB3L4	Inverse variance weighted	6	0.036194207	0.091995287	0.999731116
CREBBP	Inverse variance weighted	9	-0.209719529	0.131808406	0.999731116
CREG1	Inverse variance weighted	14	-0.02974714	0.05250455	0.999731116
CRELD1	Inverse variance weighted	13	0.011081094	0.032886638	0.999731116
CRH	Inverse variance weighted	3	0.140709754	0.17995793	0.999731116
CRHBP	Inverse variance weighted	10	-0.018404875	0.03642306	0.999731116

CRIM1	Inverse variance weighted	4	0.054717281	0.158797882	0.999731116
CRIP1	Inverse variance weighted	11	-0.025199167	0.073089906	0.999731116
CRIP2	Inverse variance weighted	2	-0.084255574	0.348518835	0.999731116
CRIPT	Inverse variance weighted	4	0.025903362	0.077672502	0.999731116
CRISP2	Inverse variance weighted	29	0.019871539	0.032414916	0.999731116
CRISP3	Wald ratio	1	-0.155256724	0.331295844	0.999731116
CRISPLD2	Inverse variance weighted	13	0.01290077	0.049074718	0.999731116
CRKL	Inverse variance weighted	2	-0.288334016	0.401681521	0.999731116
CRLF1	Wald ratio	1	-0.010227273	0.060984848	0.999731116
CRLF2	Wald ratio	1	-0.240384615	0.521153846	0.999731116
CRMP1	Wald ratio	1	-0.182692308	0.434294872	0.999731116
CRNN	Inverse variance weighted	4	-0.132199886	0.191825269	0.999731116
CROT	Inverse variance weighted	10	0.05914271	0.039455416	0.999731116
CRP	Inverse variance weighted	8	0.069214882	0.060584116	0.999731116
CRTAC1	Inverse variance weighted	12	0.045285323	0.034725575	0.999731116
CRTAM	Inverse variance weighted	8	0.030224845	0.061970744	0.999731116
CRYAA	Wald ratio	1	-0.233128834	0.554192229	0.999731116
CRYBB1	Inverse variance weighted	8	0.008400332	0.061585177	0.999731116
CRYBB2	Inverse variance weighted	3	-0.064370693	0.229047393	0.999731116
CRYGD	Inverse variance weighted	2	-0.088483294	0.143707915	0.999731116
CRYGS	Inverse variance weighted	2	-0.117574707	0.418410929	0.999731116
CRYZ	Inverse variance weighted	12	0.011849084	0.063991669	0.999731116
CRYZL1	Inverse variance weighted	8	0.084835809	0.071228667	0.999731116
CSAG1	Inverse variance weighted	2	0.053706458	0.051067465	0.999731116
CSDC2	Inverse variance weighted	3	0.132817391	0.134598473	0.999731116
CSDE1	Wald ratio	1	-0.355603448	0.355603448	0.999731116
CSF1	Inverse variance weighted	2	0.0331904	0.114934131	0.999731116
CSF1R	Inverse variance weighted	20	0.0094824	0.05575434	0.999731116
CSF2RA	Inverse variance weighted	2	-0.32050955	0.43388703	0.999731116
CSF2RB	Inverse variance weighted	9	-0.046936518	0.054689709	0.999731116
CSF3	Inverse variance weighted	4	0.023119904	0.081097136	0.999731116
CSF3R	Inverse variance weighted	3	0.002371232	0.095499782	0.999731116
CSGALNACT2	Inverse variance weighted	4	-0.037008626	0.119427581	0.999731116
CSK	Wald ratio	1	0.267647059	0.233823529	0.999731116
CSMD2	Inverse variance weighted	2	0.399456121	0.54103931	0.999731116
CSN2	Inverse variance weighted	5	0.185009605	0.128384927	0.999731116
CSNK1G2	Inverse variance weighted	3	-0.001504504	0.207606258	0.999731116
CSNK2A1	Inverse variance weighted	2	-0.168599644	0.42303889	0.999731116
CSNK2A2	Inverse variance weighted	2	-0.003561792	0.119960691	0.999731116
CSNK2B	Inverse variance weighted	3	0.086766328	0.099437218	0.999731116
CSPG4	Inverse variance weighted	3	0.108135927	0.151640891	0.999731116
CSRP2	Wald ratio	1	-0.017175573	0.402671756	0.999731116
CSRP3	Inverse variance weighted	2	-0.00218481	0.199702306	0.999731116
CST1	Inverse variance weighted	9	-0.05939516	0.052160004	0.999731116
CST2	Inverse variance weighted	17	-0.043507819	0.043962838	0.999731116
CST3	Inverse variance weighted	6	-0.043135923	0.072611823	0.999731116
CST4	Inverse variance weighted	14	0.032102305	0.050723763	0.999731116
CST5	Inverse variance weighted	23	0.036785925	0.036703715	0.999731116
CST6	Inverse variance weighted	5	-0.082978053	0.137251314	0.999731116
CST7	Inverse variance weighted	16	0.009678067	0.056294617	0.999731116

CST8	Inverse variance weighted	6	0.048755176	0.07217483	0.999731116
CSTL1	Wald ratio	1	0.762852405	0.36318408	0.999731116
CT55	Inverse variance weighted	4	0.034967488	0.124793263	0.999731116
CTCF	Wald ratio	1	-0.947131609	1.606299213	0.999731116
CTF1	Inverse variance weighted	3	0.04803651	0.205770229	0.999731116
CTHRC1	Inverse variance weighted	5	-0.029370268	0.114437283	0.999731116
CTNNA2	Inverse variance weighted	2	0.014689072	0.143093105	0.999731116
CTNNB1	Inverse variance weighted	18	-0.000306456	0.034856009	0.999731116
CTRB1	Inverse variance weighted	10	-0.294209627	0.128490788	0.999731116
CTRB2	Inverse variance weighted	15	0.039156294	0.080426911	0.999731116
CTRC	Inverse variance weighted	3	0.096288509	0.145883365	0.999731116
CTRL	Inverse variance weighted	5	0.063016928	0.089907161	0.999731116
CTSA	Inverse variance weighted	8	-0.050273408	0.069731582	0.999731116
CTSB	Inverse variance weighted	14	-0.019089812	0.076332427	0.999731116
CTSC	Inverse variance weighted	3	-0.183413746	0.192965795	0.999731116
CTSD	Inverse variance weighted	10	0.047459549	0.068437315	0.999731116
CTSE	Inverse variance weighted	4	-0.316329625	0.188062126	0.999731116
CTSF	Inverse variance weighted	11	-0.040258974	0.046396241	0.999731116
CTSG	Inverse variance weighted	3	-0.018716571	0.162319592	0.999731116
CTSH	Inverse variance weighted	17	0.025194182	0.02718961	0.999731116
CTSK	Wald ratio	1	0.071266968	0.816742081	0.999731116
CTSL	Inverse variance weighted	7	-0.002796406	0.029815644	0.999731116
CTSO	Inverse variance weighted	9	0.000167777	0.07195438	0.999731116
CTSS	Inverse variance weighted	9	0.037890385	0.086494886	0.999731116
CTSV	Inverse variance weighted	13	-0.008541844	0.070302559	0.999731116
CTSZ	Inverse variance weighted	9	-0.002603826	0.051769832	0.999731116
CUBN	Wald ratio	1	-0.017857143	0.418650794	0.999731116
CUL1	Inverse variance weighted	2	0.006338926	0.151339209	0.999731116
CUL3	Wald ratio	1	-0.061601643	0.18275154	0.999731116
CUL9	Inverse variance weighted	2	0.072885796	0.172672316	0.999731116
CUTC	Inverse variance weighted	3	-0.107065211	0.290263921	0.999731116
CUZD1	Inverse variance weighted	4	-0.137186399	0.153181884	0.999731116
CX3CL1	Inverse variance weighted	4	-0.122851252	0.131513169	0.999731116
CXCL1	Inverse variance weighted	10	-0.067427405	0.040416886	0.999731116
CXCL10	Inverse variance weighted	2	0.020735746	0.049441158	0.999731116
CXCL11	Inverse variance weighted	9	0.05658463	0.082442732	0.999731116
CXCL12	Inverse variance weighted	10	0.140408333	0.107216784	0.999731116
CXCL13	Inverse variance weighted	2	0.461427571	0.349020756	0.999731116
CXCL14	Wald ratio	1	-0.205501618	0.438511327	0.999731116
CXCL16	Inverse variance weighted	11	-0.030822675	0.081307328	0.999731116
CXCL17	Inverse variance weighted	3	-0.201845759	0.157728476	0.999731116
CXCL5	Inverse variance weighted	3	0.049534096	0.136237075	0.999731116
CXCL6	Inverse variance weighted	10	-0.030798404	0.032420585	0.999731116
CXCL8	Inverse variance weighted	2	-0.098282068	0.188987995	0.999731116
CXCL9	Inverse variance weighted	2	-0.010260102	0.183813487	0.999731116
CYB561D1	Inverse variance weighted	7	0.034604341	0.071529058	0.999731116
CYB5A	Inverse variance weighted	2	0.346552405	0.218130935	0.999731116
CYB5D2	Inverse variance weighted	4	0.068099495	0.138665181	0.999731116
CYB5R1	Inverse variance weighted	5	0.096931971	0.127886124	0.999731116
CYB5R2	Inverse variance weighted	7	-0.004243218	0.062905336	0.999731116

CYB5R3	Wald ratio	1	-0.316007088	0.5499114	0.999731116
CYGB	Inverse variance weighted	2	-0.116950226	0.295001589	0.999731116
CYP3A4	Inverse variance weighted	11	0.026174521	0.101478846	0.999731116
CYR61	Wald ratio	1	1.617154812	0.943514644	0.999731116
CYTH2	Inverse variance weighted	2	0.079833613	0.171252866	0.999731116
CYTH4	Inverse variance weighted	2	0.292278089	0.279550077	0.999731116
CYTIP	Wald ratio	1	-0.196850394	0.426771654	0.999731116
CYTL1	Inverse variance weighted	4	0.111477893	0.100348558	0.999731116
DAG1	Wald ratio	1	-0.012484395	0.423220974	0.999731116
DAO	Wald ratio	1	-0.279735683	0.5969163	0.999731116
DAP	Inverse variance weighted	13	0.000834506	0.035193871	0.999731116
DAPK1	Inverse variance weighted	4	-0.023567469	0.150430242	0.999731116
DAPK2	Inverse variance weighted	3	-0.060368636	0.14070667	0.999731116
DAPP1	Inverse variance weighted	3	-0.005348275	0.285311641	0.999731116
DARS	Inverse variance weighted	2	-0.134550085	0.13560264	0.999731116
DARS2	Wald ratio	1	0.200869565	0.188695652	0.999731116
DBI	Inverse variance weighted	3	-0.093247702	0.060415739	0.999731116
DBNL	Inverse variance weighted	3	-0.06759635	0.118727607	0.999731116
DCAF5	Inverse variance weighted	2	-0.241528475	0.311843053	0.999731116
DCBLD1	Wald ratio	1	-0.172554348	0.368206522	0.999731116
DCI	Inverse variance weighted	3	0.370959237	0.25594383	0.999731116
DCK	Inverse variance weighted	2	0.321606257	0.202941466	0.999731116
DCLK1	Inverse variance weighted	7	-0.009996033	0.082209677	0.999731116
DCP1A	Inverse variance weighted	9	-0.006454281	0.083111469	0.999731116
DCP1B	Inverse variance weighted	6	-0.068139081	0.349471684	0.999731116
DCTD	Inverse variance weighted	3	-0.019786261	0.156407907	0.999731116
DCTN2	Inverse variance weighted	2	-0.416457612	0.31986125	0.999731116
DCTN6	Inverse variance weighted	3	-0.255233169	0.19369568	0.999731116
DCTPP1	Inverse variance weighted	5	0.116502626	0.594272494	0.999731116
DCUN1D1	Inverse variance weighted	4	0.016480935	0.069137442	0.999731116
DCUN1D2	Wald ratio	1	-0.146313364	0.312211982	0.999731116
DCUN1D3	Wald ratio	1	0.36453202	0.336617406	0.999731116
DCUN1D5	Inverse variance weighted	8	-0.134709519	0.098419278	0.999731116
DCXR	Inverse variance weighted	2	0.19919047	0.192310054	0.999731116
DDAH1	Inverse variance weighted	12	0.041186811	0.045547599	0.999731116
DDIT3	Wald ratio	1	-0.224778761	0.479646018	0.999731116
DDIT4	Inverse variance weighted	2	-0.008922122	0.164835339	0.999731116
DDOST	Wald ratio	1	0.79064588	0.546929685	0.999731116
DDR1	Wald ratio	1	-0.235621521	0.502782931	0.999731116
DDT	Inverse variance weighted	13	0.087418868	0.082024475	0.999731116
DDX19A	Wald ratio	1	0.029455081	0.23269514	0.999731116
DDX19B	Inverse variance weighted	3	-0.151476263	0.255641396	0.999731116
DDX23	Inverse variance weighted	4	-0.016310903	0.100807181	0.999731116
DDX25	Inverse variance weighted	3	-0.006850247	0.146688818	0.999731116
DDX39B	Wald ratio	1	0.028409091	0.224431818	0.999731116
DDX46	Inverse variance weighted	9	-0.050420838	0.06065121	0.999731116
DDX58	Inverse variance weighted	2	-0.047333021	0.150440135	0.999731116
DDX6	Inverse variance weighted	3	-0.359342033	0.170020496	0.999731116
DEAF1	Inverse variance weighted	2	-0.019370936	0.163431246	0.999731116
DECR1	Inverse variance weighted	3	-0.098983104	0.233600663	0.999731116

DECR2	Inverse variance weighted	6	0.019644386	0.036534818	0.999731116
DEF6	Inverse variance weighted	2	0.128084442	0.196426936	0.999731116
DEFA1	Inverse variance weighted	4	0.375816383	0.35783945	0.999731116
DEFA5	Inverse variance weighted	17	-0.087110345	0.07873519	0.999731116
DEFB1	Inverse variance weighted	13	-0.088982226	0.052734524	0.999731116
DEFB103A	Inverse variance weighted	2	-0.020284398	0.326300224	0.999731116
DEFB104A	Inverse variance weighted	4	0.249941092	0.27673585	0.999731116
DEFB106A	Inverse variance weighted	3	0.119969293	0.158491132	0.999731116
DEFB107A	Wald ratio	1	0.09569378	0.282296651	0.999731116
DEFB110	Inverse variance weighted	2	0.408322721	0.310733244	0.999731116
DEFB112	Inverse variance weighted	7	0.049352925	0.154545654	0.999731116
DEFB113	Inverse variance weighted	3	0.119151351	0.076001343	0.999731116
DEFB115	Wald ratio	1	-0.236940299	0.505597015	0.999731116
DEFB116	Wald ratio	1	-1.034026465	0.480151229	0.999731116
DEFB118	Inverse variance weighted	2	0.00256995	0.171228181	0.999731116
DEFB119	Wald ratio	1	-0.212020033	0.452420701	0.999731116
DEFB121	Inverse variance weighted	2	0.031046455	0.226586384	0.999731116
DEFB125	Wald ratio	1	-0.21858864	0.466437177	0.999731116
DEFB128	Inverse variance weighted	3	-0.01921561	0.267934382	0.999731116
DEFB129	Inverse variance weighted	2	0.023459665	0.236061608	0.999731116
DEFB132	Inverse variance weighted	8	0.046009711	0.060848484	0.999731116
DEFB135	Inverse variance weighted	4	0.489998461	0.454663451	0.999731116
DEFB136	Wald ratio	1	-0.228828829	0.488288288	0.999731116
DEFB4A	Inverse variance weighted	8	-0.460240688	0.220335463	0.999731116
DEPP	Inverse variance weighted	11	0.003961102	0.027060293	0.999731116
DES	Inverse variance weighted	6	0.096610695	0.110836678	0.999731116
DGCR14	Wald ratio	1	-0.255029908	0.181076672	0.999731116
DGCR2	Inverse variance weighted	2	0.010874623	0.247739441	0.999731116
DGCR6	Inverse variance weighted	4	0.023955372	0.113418596	0.999731116
DGKB	Inverse variance weighted	5	0.174142778	0.105493018	0.999731116
DHFR	Inverse variance weighted	7	0.028659851	0.044631485	0.999731116
DHH	Wald ratio	1	-0.696226415	0.333962264	0.999731116
DHPS	Inverse variance weighted	2	-0.004628809	0.225799878	0.999731116
DHRS9	Inverse variance weighted	4	0.107207118	0.065203448	0.999731116
DHX38	Inverse variance weighted	2	-0.008671563	0.118070536	0.999731116
DHX58	Inverse variance weighted	4	-0.020086737	0.082745578	0.999731116
DHX8	Inverse variance weighted	2	-0.016363003	0.047465299	0.999731116
DHX9	Inverse variance weighted	3	0.038038698	0.13530022	0.999731116
DIABLO	Inverse variance weighted	2	-0.041968954	0.14185418	0.999731116
DIDO1	Wald ratio	1	-0.154689403	0.330085262	0.999731116
DIMT1	Wald ratio	1	0.478559177	0.351629503	0.999731116
DIXDC1	Inverse variance weighted	4	0.05228966	0.136587749	0.999731116
DKK1	Inverse variance weighted	13	0.038907569	0.074565386	0.999731116
DKK2	Inverse variance weighted	12	0.036736765	0.079714089	0.999731116
DKK3	Inverse variance weighted	10	-0.098030424	0.067910033	0.999731116
DKK4	Inverse variance weighted	13	0.034102383	0.064618887	0.999731116
DKKL1	Inverse variance weighted	6	0.099800405	0.079077168	0.999731116
DLG2	Inverse variance weighted	4	-0.18208837	0.213676273	0.999731116
DLG3	Inverse variance weighted	7	-0.114543624	0.11102137	0.999731116
DLG4	Inverse variance weighted	2	-0.487210518	0.243387362	0.999731116

DLK1	Inverse variance weighted	9	-0.067453464	0.136588034	0.999731116
DLK2	Inverse variance weighted	4	0.056977147	0.102624892	0.999731116
DLL3	Inverse variance weighted	10	-0.005924079	0.049274777	0.999731116
DLL4	Inverse variance weighted	3	0.048768834	0.056607282	0.999731116
DLX3	Wald ratio	1	0.681440443	0.751800554	0.999731116
DLX4	Inverse variance weighted	3	-0.109497121	0.247759617	0.999731116
DMKN	Inverse variance weighted	11	0.075681008	0.066625422	0.999731116
DNAI1	Inverse variance weighted	2	-0.224645541	0.292015774	0.999731116
DNAJA4	Wald ratio	1	0.028490028	0.225071225	0.999731116
DNAJB1	Inverse variance weighted	4	0.085570584	0.136536604	0.999731116
DNAJB11	Inverse variance weighted	8	-0.073431953	0.111304554	0.999731116
DNAJB12	Inverse variance weighted	3	0.07758747	0.107849175	0.999731116
DNAJB14	Wald ratio	1	0.146603099	0.227651967	0.999731116
DNAJB2	Wald ratio	1	-0.35637149	0.35637149	0.999731116
DNAJB4	Inverse variance weighted	8	0.024356746	0.068014009	0.999731116
DNAJB9	Inverse variance weighted	6	0.149752999	0.209694241	0.999731116
DNAJC10	Inverse variance weighted	6	0.494587763	0.338987028	0.999731116
DNAJC11	Inverse variance weighted	4	0.08217725	0.12551493	0.999731116
DNAJC15	Wald ratio	1	0.064210526	0.414736842	0.999731116
DNAJC16	Inverse variance weighted	2	0.058295972	0.258286614	0.999731116
DNAJC17	Inverse variance weighted	2	0.251363299	0.412057148	0.999731116
DNAJC18	Wald ratio	1	0.067596567	0.774678112	0.999731116
DNAJC19	Wald ratio	1	-0.170469799	0.363758389	0.999731116
DNAJC27	Wald ratio	1	-1.675555556	1.047407407	0.999731116
DNAJC30	Inverse variance weighted	2	-0.061869031	0.051320707	0.999731116
DNAJC4	Inverse variance weighted	7	0.02389107	0.081465413	0.999731116
DNASE1L2	Wald ratio	1	0.338709677	0.958781362	0.999731116
DNASE2B	Wald ratio	1	-0.281596452	0.600886918	0.999731116
DNER	Inverse variance weighted	7	-0.103283965	0.085582582	0.999731116
DNMT3L	Wald ratio	1	-0.170149254	0.404477612	0.999731116
DOC2B	Wald ratio	1	0.012820513	0.683760684	0.999731116
DOCK9	Inverse variance weighted	2	-0.159811591	0.30617797	0.999731116
DOK1	Wald ratio	1	-0.778481013	0.373417722	0.999731116
DOK2	Inverse variance weighted	4	-0.117676016	0.216460729	0.999731116
DOS	Inverse variance weighted	2	0.011490171	0.187645505	0.999731116
DOT1L	Wald ratio	1	-0.124818226	0.338826951	0.999731116
DPEP1	Inverse variance weighted	8	-0.020480842	0.070277454	0.999731116
DPEP2	Inverse variance weighted	8	0.020288375	0.098756086	0.999731116
DPP10	Inverse variance weighted	2	-0.002562959	0.240196572	0.999731116
DPP4	Inverse variance weighted	4	-0.049612717	0.158992467	0.999731116
DPP7	Inverse variance weighted	3	0.047385763	0.035346539	0.999731116
DPT	Inverse variance weighted	2	-0.267249022	0.1639286	0.999731116
DPY30	Inverse variance weighted	5	-0.102849944	0.181735343	0.999731116
DPYSL3	Wald ratio	1	0.656612529	0.617633411	0.999731116
DPYSL5	Inverse variance weighted	2	-0.296255123	0.368823904	0.999731116
DRG1	Wald ratio	1	-0.791845494	0.379828326	0.999731116
DRGX	Inverse variance weighted	6	0.020353834	0.047051268	0.999731116
DSC1	Inverse variance weighted	3	0.018428047	0.244959101	0.999731116
DSC2	Inverse variance weighted	4	-0.088190755	0.074439192	0.999731116
DSC3	Wald ratio	1	-0.211314476	0.450915141	0.999731116

DSCAM	Inverse variance weighted	3	0.045724897	0.164155001	0.999731116
DSCAML1	Inverse variance weighted	2	0.233517813	0.423948948	0.999731116
DSG1	Inverse variance weighted	3	-0.134107878	0.13873408	0.999731116
DSG3	Inverse variance weighted	5	0.015469728	0.098755265	0.999731116
DTD1	Inverse variance weighted	3	-0.080291109	0.094213394	0.999731116
DTD2	Inverse variance weighted	2	0.105662757	0.111082466	0.999731116
DTX1	Inverse variance weighted	4	0.022648204	0.174847465	0.999731116
DTX3L	Wald ratio	1	-0.908008336	0.465912474	0.999731116
DTYMK	Inverse variance weighted	6	-0.223438411	0.199415419	0.999731116
DUS2	Inverse variance weighted	4	0.030556603	0.083359259	0.999731116
DUSP13	Inverse variance weighted	5	0.004974758	0.117618428	0.999731116
DUSP16	Inverse variance weighted	3	-0.105057106	0.250355889	0.999731116
DUSP23	Wald ratio	1	-0.157178218	0.33539604	0.999731116
DUSP26	Inverse variance weighted	3	0.106340025	0.137476037	0.999731116
DUSP28	Inverse variance weighted	7	0.003496827	0.117958977	0.999731116
DUSP3	Wald ratio	1	0.135401975	0.221438646	0.999731116
DUSP4	Inverse variance weighted	6	0.057265195	0.116523669	0.999731116
DUSP6	Inverse variance weighted	2	0.067338535	0.251739748	0.999731116
DUT	Inverse variance weighted	2	-0.037142686	0.210047944	0.999731116
DVL2	Inverse variance weighted	6	-0.056456241	0.11966134	0.999731116
DYNLL1	Wald ratio	1	0.110820244	0.236474695	0.999731116
DYNLRB1	Inverse variance weighted	7	-0.015043504	0.042134147	0.999731116
DYNLRB2	Inverse variance weighted	2	-0.157015637	0.393769698	0.999731116
DYNLT1	Inverse variance weighted	3	-0.088416435	0.109780292	0.999731116
DYNLT3	Wald ratio	1	-1.328502415	1.014492754	0.999731116
DYRK3	Inverse variance weighted	4	-0.140841659	0.150302804	0.999731116
EBAG9	Inverse variance weighted	4	-0.008822625	0.246926935	0.999731116
EBI3	Inverse variance weighted	11	-0.021703778	0.020501672	0.999731116
ECE1	Inverse variance weighted	8	0.024255275	0.067876744	0.999731116
ECEL1	Wald ratio	1	-0.129065041	0.275406504	0.999731116
ECH1	Wald ratio	1	0.037395513	0.092388913	0.999731116
ECHS1	Wald ratio	1	0.218430034	0.419795222	0.999731116
ECI2	Inverse variance weighted	3	0.052194333	0.06288284	0.999731116
ECM1	Inverse variance weighted	10	-0.003454884	0.036922101	0.999731116
EDA	Inverse variance weighted	7	-0.11545369	0.116197895	0.999731116
EDA2R	Inverse variance weighted	2	-0.010206141	0.143898808	0.999731116
EDAR	Inverse variance weighted	15	-0.031365342	0.03563931	0.999731116
EDC4	Inverse variance weighted	13	0.053779189	0.078633052	0.999731116
EDDM3A	Inverse variance weighted	2	0.167776587	0.246505844	0.999731116
EDDM3B	Inverse variance weighted	3	0.149865777	0.194231209	0.999731116
EDF1	Inverse variance weighted	2	0.069668568	0.150667714	0.999731116
EDIL3	Inverse variance weighted	6	-0.15732262	0.117332308	0.999731116
EDN3	Inverse variance weighted	2	-0.038301396	0.136009354	0.999731116
EEA1	Inverse variance weighted	4	0.010994982	0.104248835	0.999731116
EEF1B2	Wald ratio	1	-0.78343949	0.375796178	0.999731116
EEF1D	Inverse variance weighted	3	0.005295466	0.148467736	0.999731116
EFEMP1	Inverse variance weighted	4	0.137895856	0.168455422	0.999731116
EFHA1	Inverse variance weighted	2	-0.045094905	0.296076181	0.999731116
EFHD1	Inverse variance weighted	6	0.018616177	0.110545489	0.999731116
EFNA2	Inverse variance weighted	2	0.59282049	1.114959445	0.999731116

EFNA3	Inverse variance weighted	5	0.25497764	0.400238974	0.999731116
EFNA4	Wald ratio	1	-0.214165261	0.456998314	0.999731116
EFNA5	Inverse variance weighted	2	0.121834117	0.190639346	0.999731116
EFNB2	Inverse variance weighted	10	-0.171253233	0.120891764	0.999731116
EFNB3	Inverse variance weighted	2	0.029670695	0.130424355	0.999731116
EFS	Inverse variance weighted	3	0.268298898	0.445417092	0.999731116
EGF	Inverse variance weighted	6	0.117606268	0.190031385	0.999731116
EGFL6	Inverse variance weighted	7	0.045751898	0.058790333	0.999731116
EGFLAM	Inverse variance weighted	6	0.050251966	0.075783138	0.999731116
EGFR	Inverse variance weighted	5	-0.059149938	0.098456564	0.999731116
EGLN1	Inverse variance weighted	9	-0.042048792	0.11485348	0.999731116
EHBP1	Inverse variance weighted	2	0.456230935	0.423888522	0.999731116
EHD4	Wald ratio	1	0.006246096	0.170518426	0.999731116
EHF	Wald ratio	1	-0.213445378	0.455462185	0.999731116
EHMT2	Inverse variance weighted	16	-0.076192332	0.05587212	0.999731116
EID3	Wald ratio	1	-0.203852327	0.434991974	0.999731116
EIF1AD	Inverse variance weighted	6	-0.05730828	0.163760495	0.999731116
EIF1AX	Wald ratio	1	0.103986135	0.306759099	0.999731116
EIF1AY	Inverse variance weighted	2	-0.261515347	0.200327008	0.999731116
EIF1B	Inverse variance weighted	2	-0.127189736	0.202679757	0.999731116
EIF2B1	Inverse variance weighted	2	0.135659082	0.290531152	0.999731116
EIF2S1	Inverse variance weighted	4	-0.206680971	0.182205274	0.999731116
EIF3G	Inverse variance weighted	2	-0.276870533	0.172371931	0.999731116
EIF3J	Wald ratio	1	-0.263578275	0.263578275	0.999731116
EIF4A1	Wald ratio	1	0.026737968	0.211229947	0.999731116
EIF4A2	Wald ratio	1	0.03164557	0.25	0.999731116
EIF4E2	Inverse variance weighted	2	-0.068530677	0.203778517	0.999731116
EIF4EBP1	Wald ratio	1	-0.206504065	0.440650407	0.999731116
EIF4EBP2	Wald ratio	1	0.257046223	0.193912063	0.999731116
EIF4EBP3	Wald ratio	1	-0.192716237	0.411229135	0.999731116
EIF4G2	Wald ratio	1	0.023781213	0.187871581	0.999731116
EIF4G3	Inverse variance weighted	4	-0.025534418	0.150183846	0.999731116
EIF4H	Inverse variance weighted	3	-0.181450887	0.215052264	0.999731116
EIF5	Inverse variance weighted	3	-0.070570443	0.171851997	0.999731116
EIF5A	Wald ratio	1	0.031948882	0.252396166	0.999731116
EIF5A2	Wald ratio	1	-0.3125	0.3125	0.999731116
ELANE	Inverse variance weighted	11	-0.088726493	0.086614978	0.999731116
ELAVL1	Wald ratio	1	-0.224184783	0.224184783	0.999731116
ELK3	Inverse variance weighted	3	0.087263037	0.17404261	0.999731116
ELL	Inverse variance weighted	3	0.074649074	0.470870153	0.999731116
ELMO1	Inverse variance weighted	3	-0.100100183	0.134260567	0.999731116
EMC4	Inverse variance weighted	9	-0.062067847	0.057633262	0.999731116
EMC8	Inverse variance weighted	4	0.0294151	0.116522759	0.999731116
EMID1	Wald ratio	1	-0.211314476	0.450915141	0.999731116
EMILIN3	Inverse variance weighted	6	0.02006798	0.06332192	0.999731116
ENDOU	Wald ratio	1	0.064661654	0.258646617	0.999731116
ENG	Inverse variance weighted	11	0.014194946	0.021978959	0.999731116
ENGASE	Inverse variance weighted	6	-0.035498878	0.033671866	0.999731116
ENO2	Inverse variance weighted	3	-0.02432471	0.076887186	0.999731116
ENO3	Inverse variance weighted	3	0.090918439	0.063828735	0.999731116

ENOX1	Inverse variance weighted	6	0.074282245	0.100675249	0.999731116
ENOX2	Inverse variance weighted	5	0.069436725	0.123764907	0.999731116
ENPEP	Inverse variance weighted	5	0.121957326	0.181613487	0.999731116
ENPP2	Inverse variance weighted	5	-0.092389513	0.149407052	0.999731116
ENPP5	Inverse variance weighted	20	-0.006515476	0.047689769	0.999731116
ENPP6	Inverse variance weighted	4	0.008646084	0.14026212	0.999731116
ENPP7	Inverse variance weighted	13	-0.013039368	0.045808977	0.999731116
ENTHD2	Inverse variance weighted	2	0.173607539	0.323089749	0.999731116
ENTPD1	Inverse variance weighted	13	-0.173282904	0.094409958	0.999731116
ENTPD2	Wald ratio	1	-0.153196622	0.326899879	0.999731116
ENTPD3	Inverse variance weighted	5	-0.052174732	0.115637059	0.999731116
ENTPD5	Inverse variance weighted	20	-0.016527721	0.022469573	0.999731116
ENTPD6	Inverse variance weighted	5	0.126517742	0.154689213	0.999731116
EPB41L1	Inverse variance weighted	3	0.320021508	0.185229957	0.999731116
EPDR1	Inverse variance weighted	2	0.011106127	0.21693966	0.999731116
EPHA1	Inverse variance weighted	13	-0.002736861	0.055353474	0.999731116
EPHA10	Wald ratio	1	-0.128205128	0.444871795	0.999731116
EPHA2	Inverse variance weighted	4	0.008183039	0.106264041	0.999731116
EPHA3	Inverse variance weighted	2	0.053761135	0.264295794	0.999731116
EPHA5	Inverse variance weighted	4	-0.015898257	0.127127514	0.999731116
EPHA7	Inverse variance weighted	3	0.108251622	0.193889507	0.999731116
EPHB1	Inverse variance weighted	3	-0.026485677	0.064774367	0.999731116
EPHB2	Inverse variance weighted	6	0.182872655	0.13018427	0.999731116
EPHB3	Inverse variance weighted	3	-0.128337537	0.100434508	0.999731116
EPHB6	Inverse variance weighted	5	0.059744903	0.097963263	0.999731116
EPO	Inverse variance weighted	9	0.026118722	0.067646765	0.999731116
EPS15L1	Inverse variance weighted	3	-0.115575941	0.220321624	0.999731116
EPYC	Inverse variance weighted	8	-0.035419845	0.076162442	0.999731116
EQTN	Wald ratio	1	0.317351598	0.452054795	0.999731116
ERAP1	Inverse variance weighted	32	0.042172048	0.019562886	0.999731116
ERAP2	Inverse variance weighted	33	-0.038609191	0.029526221	0.999731116
ERBB2	Inverse variance weighted	2	0.009160014	0.184650755	0.999731116
ERBB3	Inverse variance weighted	3	-0.077291668	0.113015239	0.999731116
ERBB4	Inverse variance weighted	2	-0.172576857	0.404508163	0.999731116
ERCC1	Inverse variance weighted	3	-0.169300339	0.296562372	0.999731116
ERCC4	Wald ratio	1	-0.223198594	0.476274165	0.999731116
EREG	Wald ratio	1	0.031446541	0.248427673	0.999731116
ERLEC1	Wald ratio	1	0.191699605	0.543478261	0.999731116
ERLIN1	Inverse variance weighted	6	0.035190459	0.08898083	0.999731116
ERMAP	Inverse variance weighted	3	0.068002019	0.11442429	0.999731116
ERO1L	Inverse variance weighted	3	0.115666511	0.150822756	0.999731116
ERO1LB	Inverse variance weighted	2	0.007493288	1.350528191	0.999731116
ERP27	Wald ratio	1	-0.180911681	0.386039886	0.999731116
ERP29	Wald ratio	1	0.428087986	0.280879865	0.999731116
ERP44	Inverse variance weighted	2	0.02126699	0.12704807	0.999731116
ERVV	Inverse variance weighted	2	0.077478321	0.172714621	0.999731116
ESAM	Inverse variance weighted	6	-0.026054296	0.108119735	0.999731116
ESD	Inverse variance weighted	4	-0.04888588	0.046377985	0.999731116
ESM1	Inverse variance weighted	8	-0.14840464	0.164990163	0.999731116
ESRP1	Inverse variance weighted	3	0.103577418	0.147293737	0.999731116

ESRRA	Inverse variance weighted	2	0.016774531	0.192311267	0.999731116
ETFA	Inverse variance weighted	13	-0.012499312	0.064540497	0.999731116
ETHE1	Wald ratio	1	0.063337393	0.205846529	0.999731116
ETNK1	Inverse variance weighted	2	0.174661866	0.319210666	0.999731116
ETS2	Inverse variance weighted	7	0.0115718	0.068993233	0.999731116
ETV5	Wald ratio	1	-0.212020033	0.452420701	0.999731116
EVA1B	Inverse variance weighted	2	-0.088167018	0.170540476	0.999731116
EVA1C	Inverse variance weighted	4	-0.013858767	0.193970482	0.999731116
EVL	Inverse variance weighted	3	0.114379585	0.524611187	0.999731116
EVPL	Wald ratio	1	-0.263279446	0.625866051	0.999731116
EXOSC1	Inverse variance weighted	2	0.001361228	0.221975106	0.999731116
EXOSC3	Inverse variance weighted	2	0.282398309	0.219840817	0.999731116
EXOSC8	Wald ratio	1	-0.009700176	0.199294533	0.999731116
EXTL2	Inverse variance weighted	6	0.043582184	0.089881232	0.999731116
EYS	Inverse variance weighted	3	0.058074776	0.213607021	0.999731116
EZR	Inverse variance weighted	2	0.034797823	0.257375148	0.999731116
F10	Inverse variance weighted	8	0.049132406	0.065273925	0.999731116
F11	Inverse variance weighted	7	-0.02888733	0.039431733	0.999731116
F13B	Inverse variance weighted	7	0.023564199	0.05387907	0.999731116
F3	Wald ratio	1	-0.049142857	0.261714286	0.999731116
F5	Inverse variance weighted	6	0.114593645	0.070471486	0.999731116
F7	Inverse variance weighted	10	-0.000799769	0.080340533	0.999731116
F8	Inverse variance weighted	14	0.005132589	0.03069808	0.999731116
F9	Wald ratio	1	-0.126077586	0.170258621	0.999731116
FABP1	Inverse variance weighted	2	-0.116592621	0.268541732	0.999731116
FABP12	Inverse variance weighted	4	0.089266785	0.135681856	0.999731116
FABP2	Inverse variance weighted	9	-0.008977329	0.031695385	0.999731116
FABP3	Inverse variance weighted	4	0.023473414	0.168760854	0.999731116
FABP4	Inverse variance weighted	2	0.098382023	0.218273257	0.999731116
FABP5	Wald ratio	1	-0.253493014	0.540918164	0.999731116
FABP9	Inverse variance weighted	3	-0.043538873	0.08060803	0.999731116
FADD	Inverse variance weighted	10	0.030268605	0.040136448	0.999731116
FAF2	Inverse variance weighted	3	0.085011375	0.221624199	0.999731116
FAH	Inverse variance weighted	8	0.129683614	0.087187051	0.999731116
FAHD1	Inverse variance weighted	3	-0.020505561	0.080987341	0.999731116
FAIM	Inverse variance weighted	10	-0.001478158	0.092299181	0.999731116
FAIM3	Inverse variance weighted	14	-0.045828664	0.099335487	0.999731116
FAM107A	Inverse variance weighted	3	-0.219395961	0.202798175	0.999731116
FAM134B	Inverse variance weighted	2	-0.336965388	0.195805842	0.999731116
FAM151A	Inverse variance weighted	12	-0.077812554	0.047435956	0.999731116
FAM159A	Inverse variance weighted	2	0.352294075	0.388132986	0.999731116
FAM162A	Wald ratio	1	0.098199673	0.289689034	0.999731116
FAM162B	Inverse variance weighted	3	-0.162492339	0.27539163	0.999731116
FAM163B	Inverse variance weighted	3	-0.114264176	0.070221791	0.999731116
FAM171A2	Inverse variance weighted	4	0.069206458	0.146555479	0.999731116
FAM171B	Inverse variance weighted	5	0.178266055	0.182063237	0.999731116
FAM173A	Inverse variance weighted	2	0.192127747	0.346339466	0.999731116
FAM174A	Inverse variance weighted	14	0.04290253	0.049760742	0.999731116
FAM175A	Inverse variance weighted	2	0.187241981	0.378655625	0.999731116
FAM175B	Inverse variance weighted	2	-0.018240964	0.164161067	0.999731116

FAM177A1	Inverse variance weighted	12	-0.012020902	0.040695278	0.999731116
FAM189A2	Inverse variance weighted	3	0.058550863	0.219955775	0.999731116
FAM19A1	Inverse variance weighted	3	0.035289467	0.206556521	0.999731116
FAM19A2	Wald ratio	1	0.326315789	0.278947368	0.999731116
FAM19A5	Inverse variance weighted	2	0.056520349	0.42917883	0.999731116
FAM20A	Inverse variance weighted	6	0.062359328	0.060868237	0.999731116
FAM210A	Inverse variance weighted	2	-0.012809556	0.180306025	0.999731116
FAM213A	Inverse variance weighted	7	-0.012498456	0.104865011	0.999731116
FAM24B	Wald ratio	1	-0.161702128	0.384397163	0.999731116
FAM3B	Inverse variance weighted	14	0.190229947	0.087203489	0.999731116
FAM3D	Inverse variance weighted	11	-0.014536717	0.050207192	0.999731116
FAM49B	Wald ratio	1	0.150712831	0.346232179	0.999731116
FAM69C	Inverse variance weighted	9	0.048555692	0.110339131	0.999731116
FANCF	Inverse variance weighted	2	0.26014882	0.198521869	0.999731116
FANCL	Inverse variance weighted	3	0.071426221	0.184392761	0.999731116
FAP	Inverse variance weighted	7	0.008502465	0.078749453	0.999731116
FARS2	Inverse variance weighted	4	-0.001197811	0.114407271	0.999731116
FAS	Inverse variance weighted	8	-0.07731041	0.057288661	0.999731116
FASLG	Inverse variance weighted	12	0.023988459	0.051480633	0.999731116
FASN	Inverse variance weighted	3	-0.211158807	0.267431828	0.999731116
FATE1	Inverse variance weighted	2	0.006524101	0.176389064	0.999731116
FAXDC2	Inverse variance weighted	4	0.13841489	0.164040709	0.999731116
FBL	Inverse variance weighted	4	0.011428226	0.105158918	0.999731116
FBLN1	Inverse variance weighted	5	0.093278907	0.124411675	0.999731116
FBLN5	Inverse variance weighted	2	0.259604327	0.292775498	0.999731116
FBP1	Inverse variance weighted	6	-0.057083292	0.132657166	0.999731116
FBP2	Inverse variance weighted	4	-0.018229904	0.087467265	0.999731116
FBXL4	Inverse variance weighted	4	-0.075141918	0.097165104	0.999731116
FBXO3	Wald ratio	1	-1.044530494	0.909970958	0.999731116
FCAMR	Inverse variance weighted	2	-0.153808312	0.221534762	0.999731116
FCAR	Wald ratio	1	-0.139101862	0.296823658	0.999731116
FCER1A	Inverse variance weighted	6	0.022115481	0.079106659	0.999731116
FCER2	Inverse variance weighted	9	0.058212051	0.063084469	0.999731116
FCGR1A	Wald ratio	1	0.011284722	0.154513889	0.999731116
FCGR2A	Inverse variance weighted	12	0.029398799	0.03192909	0.999731116
FCGR2B	Inverse variance weighted	12	0.017478986	0.03957121	0.999731116
FCGR3A	Inverse variance weighted	15	-0.002941822	0.021182466	0.999731116
FCGR3B	Inverse variance weighted	16	0.065473497	0.066856167	0.999731116
FCN1	Inverse variance weighted	2	-0.003125972	0.069796991	0.999731116
FCN2	Inverse variance weighted	14	-0.019001904	0.022200316	0.999731116
FCN3	Inverse variance weighted	19	-0.015728263	0.057513942	0.999731116
FCRL1	Inverse variance weighted	21	0.019089515	0.046127332	0.999731116
FCRL3	Inverse variance weighted	5	0.090530664	0.048261204	0.999731116
FCRL4	Inverse variance weighted	21	0.087539389	0.048079904	0.999731116
FCRL5	Wald ratio	1	0.011594203	0.239130435	0.999731116
FCRL6	Inverse variance weighted	6	0.003397019	0.080999342	0.999731116
FCRLB	Inverse variance weighted	2	-0.046576219	0.068719895	0.999731116
FDCSP	Inverse variance weighted	2	0.022128296	0.35787848	0.999731116
FEN1	Inverse variance weighted	2	-0.326676441	0.417948961	0.999731116
FER	Inverse variance weighted	3	-0.128053941	0.195086747	0.999731116

FETUB	Inverse variance weighted	12	0.048135923	0.044684614	0.999731116
FEV	Inverse variance weighted	2	-0.110015031	0.20435443	0.999731116
FGB	Inverse variance weighted	9	0.041299177	0.064768273	0.999731116
FGF1	Wald ratio	1	-0.130658436	0.278806584	0.999731116
FGF10	Wald ratio	1	0.037243948	0.109869646	0.999731116
FGF12	Wald ratio	1	-0.221254355	0.472125436	0.999731116
FGF16	Wald ratio	1	-0.701520913	0.336501901	0.999731116
FGF17	Inverse variance weighted	2	-0.084210624	0.162283043	0.999731116
FGF18	Wald ratio	1	-0.223591549	0.477112676	0.999731116
FGF19	Inverse variance weighted	7	0.10925454	0.123457621	0.999731116
FGF2	Inverse variance weighted	7	-0.131172582	0.094495771	0.999731116
FGF20	Inverse variance weighted	2	0.253187675	0.315657083	0.999731116
FGF22	Wald ratio	1	-0.615702479	1.084710744	0.999731116
FGF23	Wald ratio	1	-0.271367521	0.579059829	0.999731116
FGF3	Inverse variance weighted	2	0.017196104	0.156447107	0.999731116
FGF5	Inverse variance weighted	2	-0.007502231	0.134020952	0.999731116
FGF6	Wald ratio	1	0.042372881	0.334745763	0.999731116
FGF7	Wald ratio	1	-0.742454728	0.356136821	0.999731116
FGF8	Inverse variance weighted	5	-0.081680286	0.156624484	0.999731116
FGFBP1	Inverse variance weighted	3	0.145752177	0.230950183	0.999731116
FGFBP3	Inverse variance weighted	5	0.216015349	0.115802418	0.999731116
FGFR1	Inverse variance weighted	13	-0.049350988	0.109092282	0.999731116
FGFR2	Wald ratio	1	0.26779742	0.649068323	0.999731116
FGFR3	Inverse variance weighted	7	-0.089892188	0.161236841	0.999731116
FGFR4	Wald ratio	1	0.063626723	0.187698834	0.999731116
FGFRL1	Inverse variance weighted	3	0.098536345	0.230028343	0.999731116
FGG	Wald ratio	1	0.01188455	0.129598189	0.999731116
FGL1	Inverse variance weighted	11	0.030841494	0.050104973	0.999731116
FGL2	Inverse variance weighted	4	0.004454111	0.117697949	0.999731116
FGR	Inverse variance weighted	2	-0.00869389	0.163865562	0.999731116
FH	Wald ratio	1	-0.211238998	0.113067028	0.999731116
FHIT	Inverse variance weighted	3	0.319036992	0.16864362	0.999731116
FHL1	Inverse variance weighted	6	0.110074323	0.169065583	0.999731116
FIBCD1	Inverse variance weighted	5	0.047566318	0.117491627	0.999731116
FIBP	Inverse variance weighted	3	0.087423537	0.146224053	0.999731116
FIGF	Inverse variance weighted	2	0.150064622	0.249030398	0.999731116
FIS1	Inverse variance weighted	3	-0.013495806	0.151962443	0.999731116
FJX1	Inverse variance weighted	6	-0.070496785	0.064948274	0.999731116
FKBP3	Wald ratio	1	0.031152648	0.246105919	0.999731116
FKBP4	Wald ratio	1	0.032626427	0.257748777	0.999731116
FKBP6	Inverse variance weighted	12	0.086393096	0.050214134	0.999731116
FKBP7	Inverse variance weighted	7	0.065199689	0.059978705	0.999731116
FLRT1	Inverse variance weighted	2	-0.537772015	0.277596042	0.999731116
FLRT2	Inverse variance weighted	10	0.145785371	0.072216041	0.999731116
FLRT3	Inverse variance weighted	22	0.002320606	0.025535412	0.999731116
FLT1	Inverse variance weighted	11	0.0446844	0.049631448	0.999731116
FLT3	Inverse variance weighted	2	-0.05266399	0.100841832	0.999731116
FLT3LG	Inverse variance weighted	5	0.048889361	0.116941342	0.999731116
FLT4	Inverse variance weighted	17	-0.071377677	0.039192783	0.999731116
FMOD	Inverse variance weighted	2	-0.368975424	0.546616726	0.999731116

FMR1	Inverse variance weighted	6	-0.070559377	0.15662459	0.999731116
FN1	Inverse variance weighted	5	-0.016314376	0.115711119	0.999731116
FNDC4	Inverse variance weighted	2	-0.107492566	0.206594165	0.999731116
FOLH1	Inverse variance weighted	5	0.123778414	0.14355117	0.999731116
FOLR1	Inverse variance weighted	6	0.055644681	0.087886069	0.999731116
FOLR2	Inverse variance weighted	5	0.098426007	0.104813019	0.999731116
FOLR3	Inverse variance weighted	17	0.001640403	0.059804523	0.999731116
FOXC2	Inverse variance weighted	2	-0.004783549	0.212228986	0.999731116
FOXG1	Inverse variance weighted	4	0.081181357	0.157013573	0.999731116
FOXJ2	Wald ratio	1	0.039148352	0.047619048	0.999731116
FOXM1	Inverse variance weighted	3	-0.10174646	0.22823016	0.999731116
FOXO3	Wald ratio	1	-0.268211921	0.495033113	0.999731116
FOXRED1	Inverse variance weighted	3	-0.032845957	0.117090535	0.999731116
FREM2	Inverse variance weighted	2	-0.08609816	0.172932474	0.999731116
FRRS1L	Wald ratio	1	-0.176388889	0.376388889	0.999731116
FRS2	Inverse variance weighted	2	0.088449057	0.194192283	0.999731116
FRZB	Inverse variance weighted	12	0.008658688	0.038614804	0.999731116
FSHB	Wald ratio	1	-0.129196338	0.275686673	0.999731116
FST	Wald ratio	1	-0.155256724	0.331295844	0.999731116
FSTL1	Inverse variance weighted	7	0.047567248	0.124642119	0.999731116
FSTL3	Inverse variance weighted	3	0.037202772	0.257057699	0.999731116
FSTL4	Inverse variance weighted	4	0.142503312	0.177968182	0.999731116
FSTL5	Inverse variance weighted	2	-0.234467394	0.274466533	0.999731116
FTCD	Inverse variance weighted	4	-0.026495954	0.02890801	0.999731116
FTL	Inverse variance weighted	2	0.096946191	0.418037668	0.999731116
FTMT	Inverse variance weighted	11	0.025507688	0.039849725	0.999731116
FUT10	Inverse variance weighted	21	0.029991298	0.037439801	0.999731116
FUT2	Inverse variance weighted	3	0.061861988	0.139969367	0.999731116
FUT3	Inverse variance weighted	5	0.044210037	0.090187628	0.999731116
FUT5	Inverse variance weighted	5	-0.03187039	0.103429642	0.999731116
FUT8	Inverse variance weighted	15	0.003894779	0.023904339	0.999731116
FUT9	Inverse variance weighted	4	0.058588701	0.092270873	0.999731116
FXR1	Inverse variance weighted	2	-0.059132413	0.354722044	0.999731116
FZD10	Inverse variance weighted	3	-0.156426632	0.213921864	0.999731116
G0S2	Wald ratio	1	-0.23030303	0.547474747	0.999731116
G3BP1	Inverse variance weighted	3	-0.197311791	0.281949825	0.999731116
G3BP2	Inverse variance weighted	3	-0.234795928	0.299130695	0.999731116
G6B	Inverse variance weighted	5	0.105556165	0.144076695	0.999731116
G6PD	Inverse variance weighted	2	-0.082362112	0.186713946	0.999731116
GAA	Inverse variance weighted	10	0.053399797	0.05494885	0.999731116
GABARAP	Inverse variance weighted	3	0.113141189	0.153490442	0.999731116
GABARAPL1	Wald ratio	1	0.07491082	0.212841855	0.999731116
GABARAPL2	Inverse variance weighted	8	-0.113790688	0.081524529	0.999731116
GABBR1	Wald ratio	1	0.108108108	0.318918919	0.999731116
GABBR2	Inverse variance weighted	5	0.0397119	0.160036455	0.999731116
GADD45GIP1	Inverse variance weighted	3	0.014702952	0.111485692	0.999731116
GAGE2D	Wald ratio	1	0.04536862	0.308128544	0.999731116
GAL	Inverse variance weighted	4	-0.041812368	0.143801167	0.999731116
GAL3ST1	Inverse variance weighted	11	0.013723324	0.043774844	0.999731116
GAL3ST2	Inverse variance weighted	7	0.055135448	0.212604452	0.999731116

GALE	Inverse variance weighted	3	-0.075078283	0.145883061	0.999731116
GALK1	Inverse variance weighted	2	-0.10669119	0.180993556	0.999731116
GALNT1	Inverse variance weighted	4	0.057217812	0.126451092	0.999731116
GALNT10	Inverse variance weighted	2	-0.009860917	0.221304836	0.999731116
GALNT11	Inverse variance weighted	4	0.038718099	0.097077887	0.999731116
GALNT16	Inverse variance weighted	5	-0.014682942	0.067206243	0.999731116
GALNT2	Inverse variance weighted	2	0.324058144	0.286430924	0.999731116
GALNT3	Wald ratio	1	-0.213087248	0.454697987	0.999731116
GALP	Wald ratio	1	-0.155637255	0.332107843	0.999731116
GAN	Wald ratio	1	0.383877996	0.439215686	0.999731116
GAPDHS	Wald ratio	1	-0.25708502	0.548582996	0.999731116
GAS1	Inverse variance weighted	6	0.050815857	0.124381155	0.999731116
GAS6	Inverse variance weighted	5	-0.073314435	0.083013946	0.999731116
GAS7	Inverse variance weighted	5	-0.040548557	0.063237591	0.999731116
GATM	Wald ratio	1	0.05963556	0.120927664	0.999731116
GBP1	Inverse variance weighted	9	-0.010023803	0.115453133	0.999731116
GBP2	Inverse variance weighted	6	0.146169186	0.09988875	0.999731116
GBP6	Inverse variance weighted	10	0.026153282	0.068647002	0.999731116
GC	Inverse variance weighted	3	0.090417424	0.172234801	0.999731116
GCG	Wald ratio	1	0.330132053	0.558223289	0.999731116
GCH1	Inverse variance weighted	2	-0.248424659	0.292406974	0.999731116
GCK	Inverse variance weighted	5	-0.07560858	0.180420381	0.999731116
GCKR	Inverse variance weighted	4	0.056312174	0.118242832	0.999731116
GCLM	Inverse variance weighted	2	0.068730863	0.306250667	0.999731116
GCNT1	Inverse variance weighted	2	0.012437325	0.254474864	0.999731116
GCNT2	Wald ratio	1	0.08583691	0.253218884	0.999731116
GCNT4	Inverse variance weighted	2	-0.2405738	0.327183926	0.999731116
GCSH	Wald ratio	1	0.179806362	0.232365145	0.999731116
GDA	Inverse variance weighted	5	0.030361157	0.057080646	0.999731116
GDF10	Inverse variance weighted	7	0.119238446	0.103777184	0.999731116
GDF15	Inverse variance weighted	3	0.049779926	0.069011149	0.999731116
GDF2	Inverse variance weighted	3	-0.057268916	0.14256368	0.999731116
GDF3	Inverse variance weighted	6	0.184065911	0.123087111	0.999731116
GDF5	Inverse variance weighted	3	-0.050411542	0.111218431	0.999731116
GDF9	Inverse variance weighted	2	-0.033783704	0.241240812	0.999731116
GDI1	Wald ratio	1	0.192640693	0.454545455	0.999731116
GDI2	Inverse variance weighted	2	-0.008769658	0.150060406	0.999731116
GDNF	Inverse variance weighted	2	-0.020383139	0.309551397	0.999731116
GEM	Inverse variance weighted	9	0.046125819	0.045341438	0.999731116
GFAP	Inverse variance weighted	2	-0.233921767	0.343439768	0.999731116
GFRA1	Inverse variance weighted	4	-0.02807284	0.090822417	0.999731116
GFRA2	Inverse variance weighted	11	0.018231744	0.035239877	0.999731116
GFRA3	Inverse variance weighted	4	0.003470396	0.123338544	0.999731116
GGA3	Inverse variance weighted	2	-0.511387208	0.232654475	0.999731116
GGH	Inverse variance weighted	19	0.015778417	0.02585285	0.999731116
GGPS1	Wald ratio	1	-0.114130435	0.367236025	0.999731116
GGT2	Inverse variance weighted	4	-0.094610983	0.073648974	0.999731116
GHDC	Inverse variance weighted	3	0.135171915	0.180655779	0.999731116
GHR	Inverse variance weighted	4	0.0575545	0.319407474	0.999731116
GHRH	Inverse variance weighted	6	-0.188090292	0.128521665	0.999731116

GHRL	Inverse variance weighted	3	0.023485777	0.31523996	0.999731116
GIF	Inverse variance weighted	24	0.012020951	0.064837111	0.999731116
GIMAP6	Inverse variance weighted	3	0.106736566	0.184316879	0.999731116
GIP	Inverse variance weighted	2	-0.096165377	0.245749651	0.999731116
GIPC1	Wald ratio	1	0.615699101	0.872444808	0.999731116
GJA1	Inverse variance weighted	2	0.003911776	0.204133834	0.999731116
GJD2	Wald ratio	1	-0.1133829	0.347583643	0.999731116
GKN1	Inverse variance weighted	4	-0.047597343	0.16895226	0.999731116
GKN2	Inverse variance weighted	7	-0.439815664	0.304079259	0.999731116
GLB1	Inverse variance weighted	3	-0.079768269	0.147056601	0.999731116
GLCE	Inverse variance weighted	14	-0.064839263	0.038066589	0.999731116
GLIPR1	Inverse variance weighted	2	0.025845446	0.173505026	0.999731116
GLIPR2	Inverse variance weighted	4	0.187928828	0.092386194	0.999731116
GLO1	Wald ratio	1	0.052012384	0.113931889	0.999731116
GLP1R	Wald ratio	1	-0.016423358	0.385036496	0.999731116
GLRX	Inverse variance weighted	5	0.10787126	0.136764604	0.999731116
GLRX2	Inverse variance weighted	2	-0.140344734	0.18968533	0.999731116
GLRX3	Inverse variance weighted	3	-0.35846631	0.207806502	0.999731116
GLRX5	Wald ratio	1	0.24137931	0.384754991	0.999731116
GLT8D1	Inverse variance weighted	9	-0.002861222	0.067806845	0.999731116
GLTP	Wald ratio	1	0.240072202	0.38267148	0.999731116
GLTPD2	Inverse variance weighted	10	-0.025109334	0.078020941	0.999731116
GLUL	Inverse variance weighted	4	-0.17311624	0.250696803	0.999731116
GLYAT	Wald ratio	1	-0.145475372	0.310423826	0.999731116
GM2A	Inverse variance weighted	4	0.027921225	0.064021326	0.999731116
GMDS	Wald ratio	1	-0.097359736	1.03630363	0.999731116
GMNN	Inverse variance weighted	2	-0.005924598	0.193297726	0.999731116
GMPR	Inverse variance weighted	10	0.031163307	0.037128927	0.999731116
GMPR2	Inverse variance weighted	5	-0.125367157	0.074562214	0.999731116
GMPS	Wald ratio	1	-0.818181818	0.392461197	0.999731116
GNAI1	Inverse variance weighted	2	0.056931924	0.297077903	0.999731116
GNAI3	Inverse variance weighted	2	0.159860707	0.141925084	0.999731116
GNAS	Wald ratio	1	-0.174690509	0.372764787	0.999731116
GNG11	Inverse variance weighted	5	0.045515535	0.084747008	0.999731116
GNLY	Inverse variance weighted	21	-0.090819022	0.055256437	0.999731116
GNMT	Inverse variance weighted	4	0.015386076	0.090455623	0.999731116
GNPNAT1	Inverse variance weighted	2	0.150763898	0.163881442	0.999731116
GNPTG	Inverse variance weighted	5	0.112538225	0.119203553	0.999731116
GNRH1	Wald ratio	1	0.506792453	0.638867925	0.999731116
GNRH2	Wald ratio	1	0.022761009	0.086590797	0.999731116
GNS	Inverse variance weighted	4	-0.499600236	0.216059125	0.999731116
GOLM1	Inverse variance weighted	19	-0.016847387	0.035010926	0.999731116
GORAB	Inverse variance weighted	3	-0.144506384	0.273267368	0.999731116
GOSR1	Inverse variance weighted	5	0.025542681	0.089752149	0.999731116
GOSR2	Inverse variance weighted	3	0.02098007	0.110975233	0.999731116
GOT1	Inverse variance weighted	4	0.111031835	0.297996992	0.999731116
GP1BA	Inverse variance weighted	5	0.060639773	0.090378443	0.999731116
GP5	Inverse variance weighted	2	-0.13170341	0.171936774	0.999731116
GP6	Inverse variance weighted	3	0.091183267	0.079776107	0.999731116
GPC1	Inverse variance weighted	17	0.036039656	0.048252184	0.999731116

GPC2	Inverse variance weighted	2	0.025705328	0.18951631	0.999731116
GPC3	Inverse variance weighted	6	-0.187318327	0.120398982	0.999731116
GPC5	Inverse variance weighted	5	-0.1059752	0.058975689	0.999731116
GPC6	Inverse variance weighted	3	0.291736559	0.12001061	0.999731116
GPCPD1	Inverse variance weighted	2	-0.346285816	0.254920409	0.999731116
GPD1L	Inverse variance weighted	8	0.081612884	0.080445342	0.999731116
GPHA2	Inverse variance weighted	3	-0.020247111	0.248763023	0.999731116
GPI	Wald ratio	1	0.036630037	0.289377289	0.999731116
GPN1	Inverse variance weighted	5	-0.19388852	0.123482476	0.999731116
GPNMB	Inverse variance weighted	20	-0.016672016	0.030538591	0.999731116
GPR135	Inverse variance weighted	3	-0.16808806	0.255662664	0.999731116
GPR26	Inverse variance weighted	4	0.031001964	0.087808096	0.999731116
GPR56	Inverse variance weighted	4	0.078987938	0.093151895	0.999731116
GPR64	Inverse variance weighted	2	0.021842869	0.21116865	0.999731116
GPR68	Wald ratio	1	-1.267567568	1.1	0.999731116
GPT	Inverse variance weighted	7	0.136636695	0.085327401	0.999731116
GPX1	Wald ratio	1	-0.748478702	0.359026369	0.999731116
GPX2	Inverse variance weighted	2	0.158123805	0.381788269	0.999731116
GPX7	Inverse variance weighted	9	0.042952146	0.07905701	0.999731116
GRAMD1C	Inverse variance weighted	18	-0.04120843	0.030618165	0.999731116
GRAP	Inverse variance weighted	3	0.071303446	0.292007646	0.999731116
GRAP2	Inverse variance weighted	5	0.10113875	0.150315856	0.999731116
GRB10	Inverse variance weighted	3	-0.110067086	0.132731379	0.999731116
GRB14	Inverse variance weighted	4	0.109053968	0.144256607	0.999731116
GRB2	Inverse variance weighted	2	-0.075910736	0.34335627	0.999731116
GRB7	Inverse variance weighted	4	0.091700587	0.379903126	0.999731116
GREM1	Inverse variance weighted	14	0.007660699	0.032605699	0.999731116
GREM2	Inverse variance weighted	6	0.076160932	0.109955321	0.999731116
GRHPR	Inverse variance weighted	2	0.016738737	0.178866687	0.999731116
GRIA4	Inverse variance weighted	2	0.250482028	0.406137024	0.999731116
GRID1	Inverse variance weighted	5	0.071978755	0.140762411	0.999731116
GRID2	Inverse variance weighted	17	-0.055446735	0.092119596	0.999731116
GRN	Inverse variance weighted	13	-0.020450233	0.048437161	0.999731116
GRP	Inverse variance weighted	5	-0.042269902	0.105327961	0.999731116
GSN	Inverse variance weighted	11	-0.037071559	0.029319626	0.999731116
GSR	Inverse variance weighted	5	-0.006029887	0.092263472	0.999731116
GSTA1	Inverse variance weighted	8	0.055599645	0.076296994	0.999731116
GSTA4	Inverse variance weighted	6	-0.056294296	0.111737417	0.999731116
GSTK1	Wald ratio	1	-0.266129032	0.266129032	0.999731116
GSTM1	Inverse variance weighted	8	-0.010580333	0.018548585	0.999731116
GSTM3	Inverse variance weighted	11	-0.023981411	0.025106574	0.999731116
GSTM4	Inverse variance weighted	9	-0.014796971	0.017129952	0.999731116
GSTO1	Inverse variance weighted	11	0.037473995	0.053809396	0.999731116
GSTP1	Inverse variance weighted	2	0.12326957	0.128114577	0.999731116
GSTT1	Inverse variance weighted	12	-0.019565184	0.043699318	0.999731116
GSTZ1	Inverse variance weighted	11	-0.027181932	0.034867371	0.999731116
GTF2I	Wald ratio	1	-0.21331058	0.462457338	0.999731116
GUCA1A	Inverse variance weighted	4	-0.053830641	0.1311884	0.999731116
GUCA2B	Inverse variance weighted	7	-0.014269617	0.12144222	0.999731116
GUK1	Inverse variance weighted	6	0.098816383	0.136491505	0.999731116

GULP1	Inverse variance weighted	7	0.033718425	0.067348185	0.999731116
GUSB	Inverse variance weighted	15	0.002305534	0.049562116	0.999731116
GXYLT1	Inverse variance weighted	22	0.035741256	0.031553895	0.999731116
GZMA	Inverse variance weighted	12	0.146826369	0.098569863	0.999731116
GZMB	Inverse variance weighted	2	-0.032374273	0.180335084	0.999731116
GZMH	Wald ratio	1	-0.124877089	0.26647001	0.999731116
GZMK	Inverse variance weighted	8	0.041643591	0.111364185	0.999731116
GZMM	Inverse variance weighted	4	0.233601638	0.469507063	0.999731116
H1FX	Wald ratio	1	-0.904657933	0.839883552	0.999731116
H2AFZ	Inverse variance weighted	3	-0.030698729	0.189187406	0.999731116
H6PD	Inverse variance weighted	22	-0.002380801	0.054943748	0.999731116
HAAO	Inverse variance weighted	15	-0.003858526	0.031085258	0.999731116
HABP4	Inverse variance weighted	2	-0.892047489	0.620450379	0.999731116
HADH	Wald ratio	1	-0.936246418	0.661891117	0.999731116
HAGH	Wald ratio	1	-0.044609665	0.090812533	0.999731116
HAMP	Inverse variance weighted	2	0.08497857	0.166039002	0.999731116
HAO1	Wald ratio	1	0.753125	2.021875	0.999731116
HAPLN1	Inverse variance weighted	4	-0.217363208	0.119723064	0.999731116
HAPLN4	Inverse variance weighted	2	0.121846018	0.291427217	0.999731116
HARS	Wald ratio	1	0.032102729	0.253611557	0.999731116
HAT1	Inverse variance weighted	6	0.051982397	0.062125434	0.999731116
HAVCR1	Inverse variance weighted	8	0.066470409	0.065652334	0.999731116
HAVCR2	Inverse variance weighted	8	0.0602991	0.06080594	0.999731116
HBB	Inverse variance weighted	12	0.001935964	0.069968591	0.999731116
HBD	Inverse variance weighted	7	0.029853358	0.095789883	0.999731116
HBEGF	Inverse variance weighted	11	-0.020300541	0.078089969	0.999731116
HBQ1	Inverse variance weighted	4	-0.060599598	0.145140012	0.999731116
HBZ	Inverse variance weighted	11	0.021214363	0.024470789	0.999731116
HCAR2	Wald ratio	1	-0.235621521	0.502782931	0.999731116
HCK	Wald ratio	1	-0.174931129	0.373278237	0.999731116
HDAC2	Inverse variance weighted	4	-0.090952957	0.119656604	0.999731116
HDAC8	Inverse variance weighted	4	-0.142710947	0.167039755	0.999731116
HDGFL1	Inverse variance weighted	3	0.139218888	0.220562472	0.999731116
HDGFRP2	Inverse variance weighted	2	-0.005751271	0.468184652	0.999731116
HDGFRP3	Inverse variance weighted	7	-0.010662439	0.068543335	0.999731116
HDHD2	Inverse variance weighted	3	-0.027003152	0.051133283	0.999731116
HDHD3	Inverse variance weighted	3	-0.058578267	0.084254414	0.999731116
HEBP1	Inverse variance weighted	6	-0.05400558	0.040447449	0.999731116
HECW1	Wald ratio	1	-0.068143101	0.279386712	0.999731116
HEPACAM	Wald ratio	1	-0.248366013	0.590413943	0.999731116
HEPACAM2	Inverse variance weighted	3	0.032522715	0.120762093	0.999731116
HEPHL1	Inverse variance weighted	3	-0.017427792	0.22435823	0.999731116
HERC1	Wald ratio	1	-0.079681275	0.326693227	0.999731116
HERC4	Inverse variance weighted	4	0.059193836	0.10329672	0.999731116
HERC5	Inverse variance weighted	7	0.181898159	0.110366924	0.999731116
HERPUD2	Inverse variance weighted	4	0.054508369	0.244033114	0.999731116
HEXB	Inverse variance weighted	11	-0.002187343	0.047001007	0.999731116
HEXIM1	Inverse variance weighted	2	-0.441207951	0.508864363	0.999731116
HEXIM2	Wald ratio	1	0.046306505	0.189636163	0.999731116
HFE2	Inverse variance weighted	4	-0.211985513	0.188107878	0.999731116

HGD	Inverse variance weighted	2	0.04776268	0.152494905	0.999731116
HGF	Inverse variance weighted	2	0.111547837	0.106641986	0.999731116
HGFAC	Inverse variance weighted	13	-0.008519086	0.022885555	0.999731116
HHIP	Inverse variance weighted	4	0.17182281	0.101294903	0.999731116
HHLA2	Inverse variance weighted	3	-0.04612398	0.162720489	0.999731116
HIBADH	Wald ratio	1	-0.157178218	0.33539604	0.999731116
HIBCH	Inverse variance weighted	6	-0.05003062	0.048180293	0.999731116
HIF1A	Wald ratio	1	-0.175656985	0.374827109	0.999731116
HIF1AN	Inverse variance weighted	3	0.139445016	0.186940741	0.999731116
HINT1	Inverse variance weighted	2	0.144989216	0.264563284	0.999731116
HINT2	Wald ratio	1	0.229537367	0.377224199	0.999731116
HIPK3	Wald ratio	1	-0.164028777	0.389928058	0.999731116
HIST1H1C	Wald ratio	1	-0.450199203	0.417964506	0.999731116
HIST1H3A	Wald ratio	1	-0.015151515	0.710606061	0.999731116
HIST2H2BE	Inverse variance weighted	4	0.103116175	0.290743316	0.999731116
HIST3H2A	Inverse variance weighted	4	-0.043089953	0.238525271	0.999731116
HIST3H2BB	Inverse variance weighted	2	0.226712074	0.35470339	0.999731116
HK1	Inverse variance weighted	6	0.015005792	0.065665604	0.999731116
HK3	Inverse variance weighted	3	-0.026784807	0.12919096	0.999731116
HLA	Inverse variance weighted	14	-0.002708358	0.102045977	0.999731116
HMG20A	Wald ratio	1	-0.375	0.375	0.999731116
HMG20B	Wald ratio	1	-0.283018868	0.283018868	0.999731116
HMGA2	Wald ratio	1	0.099009901	0.292079208	0.999731116
HMGB1	Inverse variance weighted	4	-0.015423867	0.108366705	0.999731116
HMGB3	Inverse variance weighted	2	0.079752991	0.180290628	0.999731116
HMGCR	Inverse variance weighted	2	0.022995848	0.259649789	0.999731116
HMGCS1	Wald ratio	1	0.473799127	0.34279476	0.999731116
HMGCS2	Wald ratio	1	1.128664495	0.88762215	0.999731116
HMGN1	Inverse variance weighted	5	0.037246011	0.038083969	0.999731116
HMHA1	Wald ratio	1	-0.31941222	0.13225058	0.999731116
HMOX1	Inverse variance weighted	18	0.019688847	0.039450677	0.999731116
HMOX2	Wald ratio	1	0.087719298	0.25877193	0.999731116
HN1	Inverse variance weighted	10	-0.041974534	0.099102661	0.999731116
HNF4A	Inverse variance weighted	5	0.133175644	0.102161731	0.999731116
HNRNPA1	Wald ratio	1	-0.214007782	0.214007782	0.999731116
HNRNPA2B1	Wald ratio	1	0.03164557	0.25	0.999731116
HNRNPAB	Inverse variance weighted	5	-0.01957513	0.070801769	0.999731116
HNRNPC	Inverse variance weighted	3	0.096477243	0.495173944	0.999731116
HNRNPD	Inverse variance weighted	2	0.128965455	0.204204419	0.999731116
HNRNPDL	Wald ratio	1	-0.236051502	0.236051502	0.999731116
HNRNPF	Inverse variance weighted	2	0.063331505	0.207921684	0.999731116
HNRNPH1	Inverse variance weighted	5	0.012367082	0.051217278	0.999731116
HNRNPM	Inverse variance weighted	3	0.173567867	0.122489017	0.999731116
HNRNPR	Inverse variance weighted	4	0.038676908	0.13239494	0.999731116
HOGA1	Inverse variance weighted	4	0.05607863	0.122709094	0.999731116
HOMER1	Inverse variance weighted	12	-0.036937084	0.056853609	0.999731116
HOMER2	Inverse variance weighted	7	-0.027565821	0.048098469	0.999731116
HOPX	Inverse variance weighted	4	0.004205833	0.159300253	0.999731116
HP	Inverse variance weighted	27	0.056138649	0.028017762	0.999731116
HPCAL1	Wald ratio	1	0.040024631	0.229679803	0.999731116

HPD	Wald ratio	1	0.104680851	0.270638298	0.999731116
HPGD	Inverse variance weighted	3	0.299945959	0.280020085	0.999731116
HPGDS	Inverse variance weighted	13	-0.093676747	0.059775479	0.999731116
HPSE	Inverse variance weighted	3	-0.039300673	0.144891576	0.999731116
HPX	Wald ratio	1	0.863833478	1.002601908	0.999731116
HRAS	Wald ratio	1	0.153935185	0.24537037	0.999731116
HRASLS2	Wald ratio	1	-0.177374302	0.37849162	0.999731116
HRC	Wald ratio	1	1.741435563	1.016313214	0.999731116
HRG	Inverse variance weighted	7	-0.002228196	0.020115479	0.999731116
HRK	Inverse variance weighted	3	-0.038818681	0.145791034	0.999731116
HRSP12	Inverse variance weighted	3	0.06865336	0.074893089	0.999731116
HS3ST1	Inverse variance weighted	4	-0.048013097	0.182334056	0.999731116
HS3ST3A1	Inverse variance weighted	2	-0.157033613	0.226943989	0.999731116
HS3ST3B1	Inverse variance weighted	4	0.021772029	0.185102093	0.999731116
HS3ST4	Inverse variance weighted	7	0.018399566	0.121676047	0.999731116
HS3ST5	Inverse variance weighted	3	0.115928221	0.118131989	0.999731116
HS6ST1	Inverse variance weighted	12	0.086875851	0.088786979	0.999731116
HS6ST2	Inverse variance weighted	3	0.18564534	0.166575273	0.999731116
HS6ST3	Wald ratio	1	0.154513889	1.166666667	0.999731116
HSCB	Inverse variance weighted	9	0.037529843	0.062759812	0.999731116
HSD17B1	Inverse variance weighted	2	0.008638657	0.246938087	0.999731116
HSD17B11	Inverse variance weighted	2	0.027621092	0.223789803	0.999731116
HSD17B14	Inverse variance weighted	5	0.411008383	0.205841982	0.999731116
HSD17B7	Wald ratio	1	-0.251984127	0.537698413	0.999731116
HSD17B8	Inverse variance weighted	5	0.035747639	0.100886715	0.999731116
HSF1	Wald ratio	1	0.377870564	0.342379958	0.999731116
HSP90AB1	Inverse variance weighted	2	-0.202254016	0.350847992	0.999731116
HSP90B1	Inverse variance weighted	8	0.023811146	0.025759386	0.999731116
HSPA13	Inverse variance weighted	9	-0.025920405	0.077799176	0.999731116
HSPA1A	Inverse variance weighted	4	-0.087665789	0.259914218	0.999731116
HSPA1B	Inverse variance weighted	2	0.037317369	0.214444365	0.999731116
HSPA1L	Inverse variance weighted	6	0.078864919	0.08274734	0.999731116
HSPA5	Inverse variance weighted	3	0.484511279	0.393763969	0.999731116
HSPA6	Inverse variance weighted	2	0.000479282	0.118313027	0.999731116
HSPA9	Wald ratio	1	1.234962406	1.022556391	0.999731116
HSPB1	Inverse variance weighted	8	-0.041871226	0.044466199	0.999731116
HSPB6	Inverse variance weighted	2	-0.04735705	0.236357828	0.999731116
HSPC159	Inverse variance weighted	3	-0.034005155	0.333649676	0.999731116
HSPG2	Inverse variance weighted	7	0.083808948	0.128088052	0.999731116
HSPH1	Inverse variance weighted	2	0.083948515	0.276121523	0.999731116
HTATIP2	Inverse variance weighted	24	-0.040368101	0.027644408	0.999731116
HTN1	Inverse variance weighted	2	0.10680146	0.207863702	0.999731116
HTN3	Inverse variance weighted	10	-0.039434857	0.058715107	0.999731116
HTR6	Wald ratio	1	0.28285078	0.603563474	0.999731116
HTRA1	Inverse variance weighted	3	-0.121943703	0.185122727	0.999731116
IAPP	Inverse variance weighted	15	-0.010692746	0.042962067	0.999731116
IARS	Inverse variance weighted	2	0.095889349	0.21498734	0.999731116
IBSP	Inverse variance weighted	6	0.131469623	0.135856491	0.999731116
ICAM1	Inverse variance weighted	8	-0.018937525	0.050587412	0.999731116
ICAM2	Inverse variance weighted	5	-0.287241016	0.176685866	0.999731116

ICAM3	Inverse variance weighted	4	-0.01569825	0.150201388	0.999731116
ICAM5	Inverse variance weighted	18	-0.022513029	0.049295244	0.999731116
ICOSLG	Inverse variance weighted	3	0.107399662	0.15379881	0.999731116
ICT1	Inverse variance weighted	7	-0.033505356	0.048862716	0.999731116
IDE	Inverse variance weighted	2	0.026905056	0.164059427	0.999731116
IDH1	Inverse variance weighted	3	0.11804027	0.107486863	0.999731116
IDI1	Inverse variance weighted	2	0.061067839	0.132161469	0.999731116
IDI2	Inverse variance weighted	4	0.078709921	0.168854787	0.999731116
IDO1	Inverse variance weighted	8	-0.035411496	0.101382008	0.999731116
IDS	Inverse variance weighted	4	-0.086572897	0.118520947	0.999731116
IDUA	Inverse variance weighted	14	-0.039282078	0.036777035	0.999731116
IER3	Inverse variance weighted	6	0.033974958	0.086646138	0.999731116
IFI16	Wald ratio	1	0.156970362	0.194291987	0.999731116
IFIT2	Inverse variance weighted	5	0.093654905	0.105944342	0.999731116
IFIT3	Inverse variance weighted	2	-0.201522332	0.130554041	0.999731116
IFNA1	Inverse variance weighted	3	0.182814963	0.206361519	0.999731116
IFNA10	Inverse variance weighted	2	-0.092780096	0.194156877	0.999731116
IFNA14	Inverse variance weighted	2	-0.585821472	0.259903578	0.999731116
IFNA2	Inverse variance weighted	2	-0.060022077	0.116102098	0.999731116
IFNA4	Wald ratio	1	-1.04856787	1.778331258	0.999731116
IFNA5	Inverse variance weighted	5	0.039053458	0.090501621	0.999731116
IFNA6	Inverse variance weighted	2	-0.024732846	0.428460722	0.999731116
IFNAR1	Inverse variance weighted	8	0.001570843	0.025561098	0.999731116
IFNB1	Wald ratio	1	-0.290617849	0.6201373	0.999731116
IFNG	Inverse variance weighted	4	-0.050037535	0.185864397	0.999731116
IFNGR1	Inverse variance weighted	3	0.009726524	0.193107429	0.999731116
IFNL1	Wald ratio	1	-0.716504854	0.34368932	0.999731116
IFNL2	Inverse variance weighted	2	-0.041265003	0.237872145	0.999731116
IFNL3	Inverse variance weighted	2	-0.875645009	0.517515031	0.999731116
IFNLR1	Inverse variance weighted	3	-0.032814709	0.345702276	0.999731116
IGDCC3	Inverse variance weighted	3	0.003302201	0.224677091	0.999731116
IGDCC4	Inverse variance weighted	11	0.110459084	0.099865392	0.999731116
IGF1	Inverse variance weighted	7	0.029902421	0.176373941	0.999731116
IGF2	Inverse variance weighted	5	-0.147303286	0.193528947	0.999731116
IGF2R	Inverse variance weighted	5	0.005697676	0.036647747	0.999731116
IGFALS	Inverse variance weighted	7	-0.086033547	0.062110859	0.999731116
IGFBP1	Inverse variance weighted	3	-0.311839009	0.146032738	0.999731116
IGFBP2	Inverse variance weighted	6	0.049532089	0.137353209	0.999731116
IGFBP3	Inverse variance weighted	13	-0.126408729	0.061543966	0.999731116
IGFBP4	Wald ratio	1	-0.214678899	0.289908257	0.999731116
IGFBP5	Inverse variance weighted	2	-0.226035212	0.481073713	0.999731116
IGFBP6	Inverse variance weighted	4	-0.481962903	0.227779419	0.999731116
IGFBP7	Inverse variance weighted	10	0.01944118	0.051171141	0.999731116
IGFBPL1	Inverse variance weighted	2	0.109340368	0.309590163	0.999731116
IGFL3	Inverse variance weighted	10	0.013570229	0.064466019	0.999731116
IGFLR1	Inverse variance weighted	8	-0.019877342	0.042963537	0.999731116
IGHG2	Wald ratio	1	-0.274891775	0.586580087	0.999731116
IGHG4	Wald ratio	1	-0.172697368	0.269736842	0.999731116
IGJ	Inverse variance weighted	2	-0.152444014	0.284725782	0.999731116
IGLL1	Inverse variance weighted	20	-0.055184788	0.03126228	0.999731116

IGLON5	Inverse variance weighted	3	0.20528937	0.314251023	0.999731116
IGSF11	Inverse variance weighted	3	0.041835918	0.2843052	0.999731116
IGSF3	Inverse variance weighted	13	0.016622239	0.111418883	0.999731116
IGSF8	Inverse variance weighted	4	-0.103156902	0.094584839	0.999731116
IGSF9B	Inverse variance weighted	3	0.05003826	0.169557589	0.999731116
IHH	Inverse variance weighted	7	-0.235488425	0.120428694	0.999731116
IL10	Wald ratio	1	-0.217838765	0.46483705	0.999731116
IL10RA	Inverse variance weighted	11	-0.059015071	0.075385554	0.999731116
IL10RB	Inverse variance weighted	5	0.055943029	0.142271162	0.999731116
IL11	Wald ratio	1	0.01416122	0.193899782	0.999731116
IL11RA	Inverse variance weighted	14	0.019503459	0.083915374	0.999731116
IL12B	Inverse variance weighted	17	-0.015012281	0.056896841	0.999731116
IL12RB1	Inverse variance weighted	4	-0.228486624	0.171916603	0.999731116
IL13	Inverse variance weighted	2	0.003399258	0.169910796	0.999731116
IL15	Inverse variance weighted	3	-0.040854377	0.135395232	0.999731116
IL15RA	Inverse variance weighted	15	0.03521275	0.060347599	0.999731116
IL16	Inverse variance weighted	9	0.016888965	0.025061062	0.999731116
IL17A	Wald ratio	1	-0.234750462	0.500924214	0.999731116
IL17B	Inverse variance weighted	2	0.078674196	0.357826092	0.999731116
IL17D	Wald ratio	1	-0.133684211	0.285263158	0.999731116
IL17F	Inverse variance weighted	3	-0.017106728	0.189072483	0.999731116
IL17RA	Inverse variance weighted	9	-0.072112798	0.040255213	0.999731116
IL17RB	Inverse variance weighted	4	-0.047741725	0.164080837	0.999731116
IL17RC	Wald ratio	1	-0.277292576	0.591703057	0.999731116
IL17RD	Inverse variance weighted	8	0.019585116	0.03975156	0.999731116
IL18BP	Inverse variance weighted	4	0.129976892	0.143042502	0.999731116
IL18R1	Inverse variance weighted	23	0.006168199	0.037650097	0.999731116
IL18RAP	Wald ratio	1	-0.115349682	0.246139873	0.999731116
IL19	Inverse variance weighted	8	0.003382478	0.027955291	0.999731116
IL1B	Inverse variance weighted	2	0.007578916	0.051329977	0.999731116
IL1F10	Inverse variance weighted	3	0.177516502	0.212591683	0.999731116
IL1F5	Inverse variance weighted	11	0.04875021	0.048541341	0.999731116
IL1R1	Inverse variance weighted	8	-0.145859004	0.068753216	0.999731116
IL1R2	Inverse variance weighted	19	0.04724303	0.033992073	0.999731116
IL1RAP	Inverse variance weighted	8	-0.056473845	0.042645252	0.999731116
IL1RAPL2	Inverse variance weighted	2	0.020457849	0.233274311	0.999731116
IL1RL1	Inverse variance weighted	30	-0.079557647	0.052392832	0.999731116
IL1RL2	Inverse variance weighted	2	-0.012235251	0.229263042	0.999731116
IL1RN	Inverse variance weighted	3	0.061612348	0.135310757	0.999731116
IL2	Inverse variance weighted	3	-0.156608975	0.140092827	0.999731116
IL20	Wald ratio	1	-0.183791606	0.392185239	0.999731116
IL21	Inverse variance weighted	4	0.016250898	0.08176899	0.999731116
IL21R	Wald ratio	1	-0.142857143	0.304836895	0.999731116
IL22	Wald ratio	1	-0.764892772	0.857029388	0.999731116
IL22RA1	Inverse variance weighted	4	0.064360799	0.097799948	0.999731116
IL22RA2	Inverse variance weighted	22	0.033423076	0.022255085	0.999731116
IL23R	Inverse variance weighted	3	-0.02104389	0.100500663	0.999731116
IL24	Wald ratio	1	-0.216723549	0.462457338	0.999731116
IL25	Wald ratio	1	0.059256533	0.092749356	0.999731116
IL26	Inverse variance weighted	8	0.024093254	0.052631759	0.999731116

IL27RA	Inverse variance weighted	9	-0.018463393	0.041816147	0.999731116
IL2RA	Wald ratio	1	0.787475017	0.548967355	0.999731116
IL2RB	Inverse variance weighted	10	0.10911724	0.098800236	0.999731116
IL2RG	Inverse variance weighted	2	-0.285827344	0.367845275	0.999731116
IL3	Inverse variance weighted	2	0.034258599	0.246103665	0.999731116
IL31	Inverse variance weighted	5	-0.019234654	0.065030425	0.999731116
IL31RA	Inverse variance weighted	3	0.110639633	0.249993759	0.999731116
IL32	Wald ratio	1	-0.09735269	0.231426132	0.999731116
IL34	Inverse variance weighted	8	-0.038895709	0.086092465	0.999731116
IL36A	Inverse variance weighted	2	0.1488613	0.072898239	0.999731116
IL36B	Inverse variance weighted	3	-0.102384435	0.125346986	0.999731116
IL36G	Wald ratio	1	-0.224778761	0.479646018	0.999731116
IL37	Inverse variance weighted	4	-0.141510328	0.113592839	0.999731116
IL3RA	Inverse variance weighted	11	-0.00760299	0.021837761	0.999731116
IL4	Wald ratio	1	-0.165149545	0.352405722	0.999731116
IL5RA	Inverse variance weighted	16	-0.015082299	0.055447182	0.999731116
IL6R	Inverse variance weighted	15	0.031788971	0.019726284	0.999731116
IL6ST	Inverse variance weighted	16	-0.047893396	0.055119798	0.999731116
IL7	Wald ratio	1	-0.200631912	0.428120063	0.999731116
IL7R	Inverse variance weighted	3	0.046172388	0.188297739	0.999731116
IL9	Inverse variance weighted	2	-0.217990444	0.22946854	0.999731116
ILF3	Wald ratio	1	-0.286956522	0.286956522	0.999731116
ILK	Inverse variance weighted	2	0.064279439	0.224690832	0.999731116
IMPA1	Inverse variance weighted	3	-0.186891093	0.324683135	0.999731116
IMPA2	Inverse variance weighted	3	-0.201480919	0.282974272	0.999731116
IMPAD1	Inverse variance weighted	11	0.091717532	0.090213946	0.999731116
IMPDH1	Inverse variance weighted	11	-0.043634923	0.049908015	0.999731116
IMPDH2	Inverse variance weighted	4	-0.065475964	0.077756833	0.999731116
INA	Wald ratio	1	0.106007067	0.312720848	0.999731116
ING1	Wald ratio	1	0.035778175	0.282647585	0.999731116
ING4	Inverse variance weighted	8	0.041608287	0.030706795	0.999731116
INHBA	Inverse variance weighted	7	-0.092841631	0.096989723	0.999731116
INHBC	Inverse variance weighted	17	-0.023516017	0.01836096	0.999731116
INPP5B	Inverse variance weighted	3	0.175448104	0.209514653	0.999731116
INPP5E	Inverse variance weighted	2	0.068183579	0.192984136	0.999731116
INSL3	Inverse variance weighted	6	0.028344706	0.104308254	0.999731116
INSL6	Inverse variance weighted	2	-0.013027032	0.553849205	0.999731116
INSR	Inverse variance weighted	18	0.019563457	0.055523364	0.999731116
INSRR	Wald ratio	1	0.503365744	0.798055348	0.999731116
INTS3	Wald ratio	1	-2.339869281	2.047930283	0.999731116
IQCF1	Inverse variance weighted	4	-0.088599312	0.122217053	0.999731116
IQCF3	Inverse variance weighted	4	0.061609668	0.123409765	0.999731116
IRAK4	Inverse variance weighted	2	-0.388192687	0.299721612	0.999731116
IRF1	Inverse variance weighted	5	0.126928826	0.149322471	0.999731116
IRF2	Inverse variance weighted	2	-0.194818379	0.387370798	0.999731116
IRF3	Wald ratio	1	0.031298905	0.247261346	0.999731116
IRF4	Wald ratio	1	-0.169559413	0.361815754	0.999731116
IRF9	Wald ratio	1	-0.014851485	0.348184818	0.999731116
ISG15	Inverse variance weighted	7	-0.01929617	0.068497826	0.999731116
ISL1	Wald ratio	1	-0.31358885	0.275261324	0.999731116

ISLR2	Inverse variance weighted	17	0.023570056	0.023140101	0.999731116
ISM1	Wald ratio	1	-0.280973451	0.599557522	0.999731116
ISOC1	Inverse variance weighted	4	-0.03916738	0.112800921	0.999731116
ITCH	Inverse variance weighted	4	-0.458506416	0.316606043	0.999731116
ITGA2	Wald ratio	1	-0.082974138	0.176724138	0.999731116
ITGA5	Inverse variance weighted	5	0.038064138	0.139611881	0.999731116
ITGAL	Wald ratio	1	0.093167702	0.27484472	0.999731116
ITGB2	Inverse variance weighted	2	0.09056442	0.22515618	0.999731116
ITGB5	Inverse variance weighted	2	-0.074981396	0.143938517	0.999731116
ITGB6	Wald ratio	1	-0.159748428	0.340880503	0.999731116
ITIH1	Inverse variance weighted	22	-0.063274421	0.044712825	0.999731116
ITIH2	Inverse variance weighted	10	-0.009718167	0.048685711	0.999731116
ITIH3	Inverse variance weighted	16	-0.020401075	0.030455922	0.999731116
ITIH5	Inverse variance weighted	15	0.005253789	0.041378761	0.999731116
ITLN1	Inverse variance weighted	7	0.067829675	0.096833677	0.999731116
ITM2A	Inverse variance weighted	3	-0.042240701	0.110756815	0.999731116
ITM2B	Inverse variance weighted	23	0.008310686	0.035939923	0.999731116
ITPA	Inverse variance weighted	10	0.038658134	0.019403106	0.999731116
ITPKA	Inverse variance weighted	3	0.073803261	0.210268591	0.999731116
ITPKC	Wald ratio	1	0.238351254	0.379928315	0.999731116
ITPRIPL1	Inverse variance weighted	3	-0.042511227	0.078567951	0.999731116
ITSN1	Inverse variance weighted	4	-0.013792669	0.144386644	0.999731116
IVD	Inverse variance weighted	4	0.044202168	0.125132983	0.999731116
JAG1	Inverse variance weighted	6	0.017548006	0.055672337	0.999731116
JAG2	Wald ratio	1	-0.259713701	0.554192229	0.999731116
JAKMIP3	Inverse variance weighted	10	0.16159402	0.085482849	0.999731116
JAM2	Inverse variance weighted	2	0.062368876	0.153265852	0.999731116
JAM3	Wald ratio	1	-0.316964286	0.379464286	0.999731116
JARID2	Inverse variance weighted	4	0.067876394	0.349435153	0.999731116
JMJD6	Wald ratio	1	0.145833333	0.23245614	0.999731116
JPH1	Inverse variance weighted	7	0.115844183	0.100327548	0.999731116
JPH3	Wald ratio	1	-0.181528662	0.431528662	0.999731116
JPH4	Inverse variance weighted	4	0.100297308	0.098964513	0.999731116
JTB	Inverse variance weighted	4	-0.040936768	0.142200926	0.999731116
JUN	Inverse variance weighted	4	0.042034272	0.109997349	0.999731116
KAAG1	Inverse variance weighted	20	-0.031352814	0.041047653	0.999731116
KAL1	Inverse variance weighted	4	0.016466687	0.039282623	0.999731116
KARS	Inverse variance weighted	3	-0.1718558	0.283233124	0.999731116
KAZALD1	Inverse variance weighted	11	-0.020979397	0.062249768	0.999731116
KCNA10	Inverse variance weighted	6	0.136193139	0.065998562	0.999731116
KCNAB2	Inverse variance weighted	2	0.190555051	0.485090904	0.999731116
KCNE3	Inverse variance weighted	4	-0.168419995	0.241136349	0.999731116
KCNE5	Inverse variance weighted	9	0.124726093	0.122710373	0.999731116
KCNG4	Inverse variance weighted	5	0.025138294	0.083356031	0.999731116
KCNIP1	Inverse variance weighted	3	-0.006281365	0.095334245	0.999731116
KCNIP3	Inverse variance weighted	3	0.318772006	0.251288842	0.999731116
KCNIP4	Inverse variance weighted	2	0.140280757	0.341452137	0.999731116
KCNMB3	Inverse variance weighted	18	-0.028690052	0.058476782	0.999731116
KCNN1	Inverse variance weighted	4	0.030727521	0.080217162	0.999731116
KCTD5	Inverse variance weighted	2	0.072133352	0.172991965	0.999731116

KDELC1	Inverse variance weighted	4	0.098109541	0.111746081	0.999731116
KDELC2	Inverse variance weighted	7	-0.004415586	0.060089625	0.999731116
KDSR	Inverse variance weighted	3	-0.027329684	0.110724731	0.999731116
KEAP1	Inverse variance weighted	2	-0.01592235	0.292422631	0.999731116
KEL	Inverse variance weighted	2	0.02775481	0.161748825	0.999731116
KERA	Inverse variance weighted	3	0.11870196	0.072402479	0.999731116
KIAA0319L	Inverse variance weighted	2	-0.00060607	0.152685064	0.999731116
KIAA1024	Inverse variance weighted	2	0.030974584	0.22700805	0.999731116
KIAA1161	Inverse variance weighted	4	-0.155254319	0.193213472	0.999731116
KIAA1279	Inverse variance weighted	3	-0.21190554	0.191102697	0.999731116
KIAA1324	Inverse variance weighted	2	-0.214350515	0.191166326	0.999731116
KIAA1324L	Inverse variance weighted	4	0.06661086	0.124203489	0.999731116
KIAA1467	Inverse variance weighted	7	0.028204668	0.050539496	0.999731116
KIAA1549L	Inverse variance weighted	4	0.050584129	0.05339262	0.999731116
KIAA2013	Inverse variance weighted	6	-0.021238889	0.040350424	0.999731116
KIF16B	Inverse variance weighted	3	0.084377334	0.520509162	0.999731116
KIF1C	Wald ratio	1	-0.23605948	0.503717472	0.999731116
KIF22	Wald ratio	1	0.056338028	0.166197183	0.999731116
KIF23	Wald ratio	1	-0.785106383	0.376595745	0.999731116
KIF3A	Inverse variance weighted	8	-0.019585343	0.112697891	0.999731116
KIN	Wald ratio	1	-0.291284404	0.621559633	0.999731116
KIR2DL1	Inverse variance weighted	5	-0.040300714	0.098841679	0.999731116
KIR2DL2	Inverse variance weighted	5	0.04488299	0.124549718	0.999731116
KIR2DL3	Inverse variance weighted	15	-0.055065159	0.046912561	0.999731116
KIR2DL4	Inverse variance weighted	4	-0.00057528	0.103009618	0.999731116
KIR2DL5A	Inverse variance weighted	9	-0.042916269	0.059744446	0.999731116
KIR2DS4	Inverse variance weighted	3	0.027949528	0.104661668	0.999731116
KIR3DL1	Wald ratio	1	-0.153306613	0.208416834	0.999731116
KIR3DL3	Inverse variance weighted	4	0.166454759	0.244564423	0.999731116
KIR3DS1	Wald ratio	1	0.094936709	0.280063291	0.999731116
KIRREL2	Inverse variance weighted	17	-0.21925924	0.096467155	0.999731116
KIRREL3	Inverse variance weighted	2	0.079417115	0.690308349	0.999731116
KISS1	Inverse variance weighted	17	-0.020917177	0.033658398	0.999731116
KIT	Inverse variance weighted	15	-0.023852874	0.063138814	0.999731116
KITLG	Inverse variance weighted	10	-0.058458383	0.056356822	0.999731116
KL	Inverse variance weighted	16	-0.084355472	0.046665988	0.999731116
KLB	Inverse variance weighted	14	-0.023450277	0.028181971	0.999731116
KLF4	Wald ratio	1	-0.164082687	0.350129199	0.999731116
KLHL13	Inverse variance weighted	2	0.062536917	0.139450773	0.999731116
KLHL7	Wald ratio	1	0.32629108	0.464788732	0.999731116
KLK10	Inverse variance weighted	7	-0.019998005	0.041655325	0.999731116
KLK11	Inverse variance weighted	5	-0.088181977	0.05419351	0.999731116
KLK12	Inverse variance weighted	4	-0.12249743	0.106996002	0.999731116
KLK13	Inverse variance weighted	5	-0.023412365	0.045347607	0.999731116
KLK14	Inverse variance weighted	3	-0.183405911	0.208092353	0.999731116
KLK4	Inverse variance weighted	2	-0.027178915	0.162783997	0.999731116
KLK5	Inverse variance weighted	2	-0.212979385	0.519080805	0.999731116
KLK6	Inverse variance weighted	4	-0.030803792	0.067651139	0.999731116
KLK7	Inverse variance weighted	3	0.006505495	0.220301818	0.999731116
KLK8	Inverse variance weighted	3	-0.019397267	0.238079589	0.999731116

KLK9	Inverse variance weighted	4	0.079958111	0.160958217	0.999731116
KLKB1	Inverse variance weighted	10	-0.016442778	0.037579778	0.999731116
KLRB1	Inverse variance weighted	2	-0.269852386	0.386487944	0.999731116
KLRC3	Inverse variance weighted	17	0.104874832	0.048790642	0.999731116
KLRC4	Inverse variance weighted	2	-0.005194296	0.161864091	0.999731116
KLRF1	Wald ratio	1	-0.134249471	0.286469345	0.999731116
KLRG2	Inverse variance weighted	4	0.124675534	0.074996077	0.999731116
KLRK1	Wald ratio	1	-0.197916667	0.470486111	0.999731116
KMT2C	Inverse variance weighted	2	0.139734982	0.187786897	0.999731116
KNG1	Inverse variance weighted	21	-0.001787082	0.022209866	0.999731116
KPNA1	Inverse variance weighted	5	-0.022637844	0.096771939	0.999731116
KPNA2	Inverse variance weighted	16	0.064077411	0.074475001	0.999731116
KPNA6	Inverse variance weighted	2	-0.630947683	0.478126439	0.999731116
KPNB1	Inverse variance weighted	2	-0.071843169	0.206119323	0.999731116
KREMEN1	Inverse variance weighted	20	-0.034580754	0.078916846	0.999731116
KREMEN2	Inverse variance weighted	2	-0.004599031	0.212782258	0.999731116
KRT1	Inverse variance weighted	7	-0.017961977	0.164161894	0.999731116
KRT16	Inverse variance weighted	2	-0.10758653	0.138896007	0.999731116
KRT17	Inverse variance weighted	2	0.081834559	0.17478154	0.999731116
KRT19	Inverse variance weighted	3	0.082698207	0.107584708	0.999731116
KRT20	Inverse variance weighted	4	-0.020964826	0.178367343	0.999731116
KRT5	Inverse variance weighted	6	-0.122885466	0.09881865	0.999731116
KRT7	Inverse variance weighted	4	-0.138637111	0.183444065	0.999731116
KRTAP2	Wald ratio	1	-0.023961661	0.25399361	0.999731116
KRTDAP	Inverse variance weighted	9	0.042153974	0.098197987	0.999731116
KYNU	Inverse variance weighted	7	-0.022025086	0.040106996	0.999731116
L3MBTL2	Wald ratio	1	-0.348101266	0.348101266	0.999731116
LACRT	Inverse variance weighted	11	0.122948192	0.087842529	0.999731116
LAD1	Wald ratio	1	-0.514878269	1.525698828	0.999731116
LAG3	Inverse variance weighted	15	-0.094800711	0.119033816	0.999731116
LAMA4	Inverse variance weighted	2	-0.238014957	0.337644004	0.999731116
LAMC2	Inverse variance weighted	8	0.089603141	0.072580878	0.999731116
LAMTOR3	Inverse variance weighted	3	0.07870271	0.119234649	0.999731116
LANCL1	Inverse variance weighted	3	-0.460201269	0.233599896	0.999731116
LAP3	Inverse variance weighted	7	-0.18193915	0.18798967	0.999731116
LARGE	Inverse variance weighted	14	0.060715083	0.066693945	0.999731116
LAT	Wald ratio	1	-0.721782178	0.912871287	0.999731116
LAYN	Inverse variance weighted	4	-0.010734242	0.126165396	0.999731116
LBP	Inverse variance weighted	10	-0.121254945	0.05995689	0.999731116
LCAT	Inverse variance weighted	2	-0.012903883	0.155325422	0.999731116
LCK	Wald ratio	1	-0.139101862	0.296823658	0.999731116
LCMT1	Inverse variance weighted	2	-0.151604516	0.270095004	0.999731116
LCN1	Inverse variance weighted	2	0.022251966	0.217241282	0.999731116
LCN10	Inverse variance weighted	6	0.071688867	0.087456286	0.999731116
LCN2	Inverse variance weighted	5	0.081060376	0.125988331	0.999731116
LCORL	Wald ratio	1	-0.121880998	0.260076775	0.999731116
LCP1	Inverse variance weighted	5	-0.009182006	0.123533633	0.999731116
LCT	Inverse variance weighted	20	0.009172531	0.028587512	0.999731116
LCTL	Inverse variance weighted	2	-0.337810291	0.412566809	0.999731116
LDHA	Wald ratio	1	-0.444394417	0.557856821	0.999731116

LDHB	Inverse variance weighted	2	0.386843649	0.579666657	0.999731116
LDHC	Wald ratio	1	0.011049724	0.403314917	0.999731116
LDLR	Wald ratio	1	-0.249019608	0.531372549	0.999731116
LDLRAD4	Inverse variance weighted	3	-0.176883354	0.143194582	0.999731116
LDLRAP1	Inverse variance weighted	3	-0.098552765	0.178097318	0.999731116
LDOC1	Inverse variance weighted	2	0.135562011	0.894420914	0.999731116
LEAP2	Inverse variance weighted	14	0.071603079	0.050236731	0.999731116
LECT1	Inverse variance weighted	6	-0.104093016	0.151823765	0.999731116
LECT2	Inverse variance weighted	11	0.035775196	0.051253191	0.999731116
LEFTY2	Inverse variance weighted	18	-0.001973785	0.032567623	0.999731116
LEG1	Inverse variance weighted	15	0.107327618	0.064485685	0.999731116
LEMD1	Inverse variance weighted	2	-0.300716126	0.34529613	0.999731116
LEP	Inverse variance weighted	4	-0.228249723	0.208665477	0.999731116
LEPR	Inverse variance weighted	22	0.053515995	0.057395666	0.999731116
LEPRE1	Inverse variance weighted	2	-0.077626098	0.196246804	0.999731116
LETMD1	Wald ratio	1	-0.263485477	0.562240664	0.999731116
LGALS1	Inverse variance weighted	2	0.361283045	0.298051832	0.999731116
LGALS13	Wald ratio	1	0.091883614	0.271056662	0.999731116
LGALS2	Inverse variance weighted	3	0.075852499	0.073235181	0.999731116
LGALS3	Inverse variance weighted	7	-0.081956147	0.090114815	0.999731116
LGALS3BP	Inverse variance weighted	17	0.062268971	0.036099227	0.999731116
LGALS4	Wald ratio	1	-0.270788913	0.57782516	0.999731116
LGALS7	Inverse variance weighted	2	0.114846364	0.227832457	0.999731116
LGALS8	Inverse variance weighted	2	0.069437152	0.16497928	0.999731116
LGALS9	Inverse variance weighted	3	0.025207054	0.127079954	0.999731116
LGI3	Wald ratio	1	0.933476395	0.394849785	0.999731116
LGMN	Inverse variance weighted	6	0.060258637	0.107631745	0.999731116
LGR4	Wald ratio	1	1.00720865	0.776131358	0.999731116
LGR5	Inverse variance weighted	2	0.199237324	0.211600921	0.999731116
LHB	Wald ratio	1	-0.096192893	0.27284264	0.999731116
LHCGR	Inverse variance weighted	14	-0.074788063	0.065811837	0.999731116
LIF	Inverse variance weighted	2	0.023433085	0.158232492	0.999731116
LILRA2	Inverse variance weighted	5	-0.158697813	0.071070054	0.999731116
LILRA3	Inverse variance weighted	8	0.050661541	0.033543822	0.999731116
LILRA4	Inverse variance weighted	9	-0.051418085	0.043703694	0.999731116
LILRA5	Inverse variance weighted	18	0.015907937	0.047472207	0.999731116
LILRA6	Inverse variance weighted	5	-0.035966522	0.056910547	0.999731116
LILRB1	Inverse variance weighted	10	0.097568006	0.127483712	0.999731116
LILRB2	Inverse variance weighted	3	0.107476017	0.07405645	0.999731116
LILRB3	Inverse variance weighted	3	-0.059995749	0.118822622	0.999731116
LILRB4	Inverse variance weighted	10	-0.003816616	0.049940155	0.999731116
LILRB5	Inverse variance weighted	8	-0.050185229	0.10973123	0.999731116
LIMA1	Inverse variance weighted	3	-0.230749145	0.239469428	0.999731116
LIN7A	Inverse variance weighted	2	0.056484106	0.13723265	0.999731116
LIN7B	Wald ratio	1	0.037243948	0.294227188	0.999731116
LIN7C	Inverse variance weighted	5	0.094240192	0.115785733	0.999731116
LINGO1	Inverse variance weighted	13	0.022260848	0.100561401	0.999731116
LIPN	Inverse variance weighted	18	-0.018704826	0.054021258	0.999731116
LMAN1	Inverse variance weighted	5	0.249865065	0.126158613	0.999731116
LMAN2	Inverse variance weighted	13	-0.03226177	0.06195772	0.999731116

LMAN2L	Inverse variance weighted	3	0.157390642	0.136294689	0.999731116
LMNB1	Wald ratio	1	-0.159347553	0.340025094	0.999731116
LMOD1	Inverse variance weighted	3	0.136892863	0.119531412	0.999731116
LNX1	Inverse variance weighted	4	0.050036745	0.110348928	0.999731116
LONP1	Inverse variance weighted	4	-0.041357386	0.158706627	0.999731116
LOXL3	Inverse variance weighted	12	-0.064920706	0.053581835	0.999731116
LPCAT2	Wald ratio	1	-0.751511487	0.697702539	0.999731116
LRCH4	Inverse variance weighted	2	-0.252637927	0.377677807	0.999731116
LRFN1	Inverse variance weighted	6	0.049328848	0.091651766	0.999731116
LRFN2	Wald ratio	1	-0.093269231	0.815384615	0.999731116
LRFN5	Inverse variance weighted	5	0.047198469	0.076631191	0.999731116
LRIG1	Inverse variance weighted	14	0.102360474	0.054196372	0.999731116
LRIG3	Inverse variance weighted	9	0.097635252	0.045848611	0.999731116
LRIT2	Inverse variance weighted	2	0.230986247	0.352298955	0.999731116
LRIT3	Inverse variance weighted	3	0.225517115	0.211425898	0.999731116
LRP1	Inverse variance weighted	4	-0.067538947	0.148534305	0.999731116
LRP10	Inverse variance weighted	2	-0.416447586	0.545767278	0.999731116
LRP11	Inverse variance weighted	20	-0.002318511	0.021434875	0.999731116
LRP12	Wald ratio	1	0.040540541	0.275337838	0.999731116
LRP1B	Inverse variance weighted	4	-0.052653034	0.249771473	0.999731116
LRP2	Inverse variance weighted	3	-0.164268601	0.31439839	0.999731116
LRP4	Inverse variance weighted	8	-0.042243107	0.045315788	0.999731116
LRP8	Inverse variance weighted	7	0.072881609	0.084283293	0.999731116
LRPAP1	Inverse variance weighted	12	0.045309297	0.058249924	0.999731116
LRRC15	Inverse variance weighted	8	-0.052605643	0.088620697	0.999731116
LRRC24	Inverse variance weighted	2	0.009757692	0.197436121	0.999731116
LRRC25	Inverse variance weighted	4	0.005444822	0.083035211	0.999731116
LRRC32	Inverse variance weighted	13	-0.156592836	0.101479178	0.999731116
LRRC37A2	Wald ratio	1	-0.934517203	1.58490566	0.999731116
LRRC3B	Inverse variance weighted	4	0.110369387	0.141159669	0.999731116
LRRC4B	Inverse variance weighted	3	0.081177805	0.266049841	0.999731116
LRRC4C	Wald ratio	1	0.006421483	0.109748978	0.999731116
LRRC52	Wald ratio	1	-0.122521607	0.084900864	0.999731116
LRRC59	Wald ratio	1	-0.228787879	0.251515152	0.999731116
LRRC74A	Inverse variance weighted	3	0.075141609	0.101362504	0.999731116
LRRK2	Inverse variance weighted	4	0.041823637	0.129291552	0.999731116
LRRN1	Inverse variance weighted	6	-0.022435422	0.081593347	0.999731116
LRRTM1	Inverse variance weighted	7	0.007225694	0.065858355	0.999731116
LRRTM3	Inverse variance weighted	3	0.013071499	0.171310757	0.999731116
LRRTM4	Inverse variance weighted	10	0.0154187	0.076754535	0.999731116
LRTM1	Wald ratio	1	-0.205169628	0.437802908	0.999731116
LRTM2	Inverse variance weighted	7	0.038869429	0.065010709	0.999731116
LSAMP	Inverse variance weighted	5	-0.106677911	0.182841632	0.999731116
LSM4	Inverse variance weighted	9	-0.014002288	0.073729272	0.999731116
LTA	Inverse variance weighted	2	0.006560729	0.201390871	0.999731116
LTA4H	Inverse variance weighted	2	0.002386351	0.1950474	0.999731116
LTB4R	Inverse variance weighted	4	-0.137722806	0.120836897	0.999731116
LTBP4	Inverse variance weighted	7	0.253604619	0.136714531	0.999731116
LTBR	Inverse variance weighted	7	-0.01556854	0.068050565	0.999731116
LTF	Inverse variance weighted	11	0.004800375	0.072053262	0.999731116

LUM	Inverse variance weighted	14	0.02898335	0.046656879	0.999731116
LY75	Inverse variance weighted	19	-0.048591866	0.071027567	0.999731116
LY86	Inverse variance weighted	2	0.15177414	0.234263163	0.999731116
LY9	Inverse variance weighted	10	0.043513874	0.049437484	0.999731116
LYG1	Wald ratio	1	-0.209122536	0.492075763	0.999731116
LYG2	Inverse variance weighted	3	0.184814689	0.162421849	0.999731116
LYN	Wald ratio	1	-2.114052953	1.460964019	0.999731116
LYPD1	Inverse variance weighted	3	0.049219479	0.139382394	0.999731116
LYPD3	Inverse variance weighted	5	0.036643515	0.105046873	0.999731116
LYPLAL1	Wald ratio	1	-0.190411884	0.120189061	0.999731116
LYSMD4	Wald ratio	1	-0.135876043	0.323003576	0.999731116
LYVE1	Inverse variance weighted	17	-0.045806672	0.042485788	0.999731116
LYZ	Inverse variance weighted	13	0.087100321	0.043083057	0.999731116
LYZL2	Inverse variance weighted	4	0.192574626	0.225905981	0.999731116
LZIC	Inverse variance weighted	5	0.03698029	0.173359613	0.999731116
MACROD1	Inverse variance weighted	3	-0.003692955	0.095442441	0.999731116
MAD1L1	Inverse variance weighted	2	-0.003919424	0.146728212	0.999731116
MAD2L1	Inverse variance weighted	2	-0.147320243	0.27019009	0.999731116
MADCAM1	Inverse variance weighted	2	-0.015996637	0.184755509	0.999731116
MAFG	Inverse variance weighted	3	-0.126156885	0.300893699	0.999731116
MAGEA10	Inverse variance weighted	3	0.06144931	0.071728517	0.999731116
MAGEA3	Inverse variance weighted	3	0.009497694	0.260216309	0.999731116
MAGEA5	Inverse variance weighted	4	-0.032481037	0.070910464	0.999731116
MAGEA6	Inverse variance weighted	3	-0.075505064	0.117310688	0.999731116
MAGEA8	Inverse variance weighted	4	0.052635914	0.213102351	0.999731116
MAGEB10	Inverse variance weighted	2	-0.233361111	0.29069384	0.999731116
MAGI2	Inverse variance weighted	10	0.010438418	0.037920234	0.999731116
MAGOHB	Wald ratio	1	0.043668122	0.344978166	0.999731116
MAMDC2	Inverse variance weighted	4	0.090451024	0.144546692	0.999731116
MAN1A2	Inverse variance weighted	13	-0.089343572	0.087129579	0.999731116
MAN1B1	Inverse variance weighted	3	0.175341856	0.142892432	0.999731116
MAN1C1	Inverse variance weighted	9	0.06056814	0.088026034	0.999731116
MAN2B2	Inverse variance weighted	14	-0.011538184	0.038008876	0.999731116
MANBA	Inverse variance weighted	9	0.017567183	0.042974692	0.999731116
MANEA	Inverse variance weighted	19	0.009053397	0.031910521	0.999731116
MANSC1	Inverse variance weighted	15	0.001063414	0.06582551	0.999731116
MANSC4	Inverse variance weighted	12	0.036497338	0.04010278	0.999731116
MAP1LC3A	Inverse variance weighted	14	0.023589304	0.057600391	0.999731116
MAP1LC3B	Inverse variance weighted	3	-0.121603908	0.108631281	0.999731116
MAP2K1	Wald ratio	1	-0.273618538	0.743315508	0.999731116
MAP2K2	Inverse variance weighted	7	0.053101098	0.044055522	0.999731116
MAP2K3	Inverse variance weighted	4	0.056359965	0.158524623	0.999731116
MAP2K4	Inverse variance weighted	14	0.007463342	0.020821591	0.999731116
MAP2K6	Inverse variance weighted	3	-0.131792538	0.158345022	0.999731116
MAP3K3	Inverse variance weighted	2	0.043849514	0.059396118	0.999731116
MAP4K1	Inverse variance weighted	7	0.032753431	0.056846992	0.999731116
MAP4K3	Wald ratio	1	-0.2375	0.564583333	0.999731116
MAPK10	Inverse variance weighted	3	-0.009887425	0.193042351	0.999731116
MAPK13	Wald ratio	1	-0.122115385	0.260576923	0.999731116
MAPK14	Wald ratio	1	0.037383178	0.295327103	0.999731116

MAPK3	Inverse variance weighted	3	-0.441674761	0.209072738	0.999731116
MAPK8	Inverse variance weighted	4	-0.0677075	0.143746306	0.999731116
MAPK9	Inverse variance weighted	3	0.069596212	0.14374788	0.999731116
MAPKAPK2	Wald ratio	1	0.063241107	0.089779785	0.999731116
MAPKAPK3	Wald ratio	1	0.035149385	0.277680141	0.999731116
MAPKAPK5	Inverse variance weighted	19	0.025312155	0.027485821	0.999731116
MAPRE1	Inverse variance weighted	3	0.132297786	0.179403892	0.999731116
MAPRE2	Inverse variance weighted	4	0.05510033	0.092363664	0.999731116
MAPRE3	Wald ratio	1	0.13654224	0.156188605	0.999731116
MARCKSL1	Inverse variance weighted	7	-0.102253931	0.057289727	0.999731116
MARCO	Inverse variance weighted	4	0.059557085	0.112763624	0.999731116
MARK3	Wald ratio	1	-0.214165261	0.456998314	0.999731116
MASP1	Inverse variance weighted	7	-0.04431651	0.074725012	0.999731116
MAT2B	Inverse variance weighted	7	0.000392233	0.12329503	0.999731116
MATN2	Inverse variance weighted	7	-0.270457973	0.171495895	0.999731116
MATN3	Inverse variance weighted	16	0.010411498	0.06779545	0.999731116
MATN4	Inverse variance weighted	7	0.072629812	0.104218306	0.999731116
MB	Inverse variance weighted	2	-0.133580564	0.206931052	0.999731116
MBD1	Inverse variance weighted	15	-0.049709274	0.052385967	0.999731116
MBL2	Inverse variance weighted	12	-0.032874231	0.036346034	0.999731116
MBTPS1	Wald ratio	1	-0.243761996	0.520153551	0.999731116
MCCD1	Inverse variance weighted	2	-0.1115346	0.263176542	0.999731116
MCEE	Inverse variance weighted	2	0.186605708	0.21932569	0.999731116
MCEMP1	Inverse variance weighted	6	0.279221814	0.273817581	0.999731116
MCF2L	Inverse variance weighted	4	-0.110539264	0.074497908	0.999731116
MCL1	Wald ratio	1	0.364494484	0.219151598	0.999731116
MCM6	Inverse variance weighted	2	0.026685529	0.197531979	0.999731116
MCTS1	Inverse variance weighted	4	-0.095151779	0.225974321	0.999731116
MDGA1	Inverse variance weighted	12	0.014772882	0.035980886	0.999731116
MDGA2	Inverse variance weighted	25	-0.075335089	0.044524027	0.999731116
MDH1	Wald ratio	1	0.409814324	0.537135279	0.999731116
MDK	Inverse variance weighted	7	0.011461701	0.253410925	0.999731116
MDM1	Wald ratio	1	0.028050491	0.221598878	0.999731116
MDM2	Inverse variance weighted	2	0.209782227	0.314324096	0.999731116
MDM4	Inverse variance weighted	4	0.110076182	0.085768402	0.999731116
MECP2	Inverse variance weighted	2	0.014984599	0.248773438	0.999731116
MED4	Inverse variance weighted	6	0.039176199	0.047705581	0.999731116
MEF2C	Wald ratio	1	0.094488189	0.278740157	0.999731116
MEGF10	Inverse variance weighted	3	-0.15716951	0.283533164	0.999731116
MEMO1	Inverse variance weighted	4	-0.234659404	0.160605329	0.999731116
MENT	Inverse variance weighted	9	-0.012067682	0.042714002	0.999731116
MEOX2	Inverse variance weighted	4	0.075442752	0.12587596	0.999731116
MEPE	Inverse variance weighted	2	-0.031657797	0.234386605	0.999731116
MESDC2	Inverse variance weighted	2	0.21269283	0.188876406	0.999731116
MET	Inverse variance weighted	11	-0.00515559	0.082031809	0.999731116
METAP1	Inverse variance weighted	2	0.126685489	0.218167963	0.999731116
METAP2	Inverse variance weighted	3	-0.090466678	0.198247794	0.999731116
METTL1	Inverse variance weighted	6	0.079682412	0.093969979	0.999731116
MFAP2	Inverse variance weighted	2	-0.074614352	0.132514751	0.999731116
MFAP3L	Inverse variance weighted	2	-0.079011133	0.209911151	0.999731116

MFAP4	Inverse variance weighted	8	-0.208451162	0.250889524	0.999731116
MFAP5	Wald ratio	1	-0.47881961	1.071870538	0.999731116
MFGE8	Inverse variance weighted	8	-0.022159435	0.065175893	0.999731116
MFNG	Inverse variance weighted	2	0.261931158	0.312121126	0.999731116
MFRP	Inverse variance weighted	2	0.065352357	0.130558107	0.999731116
MGA	Wald ratio	1	0.039761431	0.117296223	0.999731116
MGAT1	Inverse variance weighted	2	-0.122032288	0.290723506	0.999731116
MGAT2	Inverse variance weighted	5	0.115905249	0.088488848	0.999731116
MGAT4A	Inverse variance weighted	4	0.020461555	0.08182788	0.999731116
MGAT4B	Inverse variance weighted	9	0.038089137	0.072387508	0.999731116
MGAT4C	Inverse variance weighted	2	-0.119138538	0.554798298	0.999731116
MGP	Inverse variance weighted	7	0.03915397	0.066497675	0.999731116
MIA	Inverse variance weighted	3	0.096392549	0.054399013	0.999731116
MICALL2	Inverse variance weighted	3	0.094283245	0.124547979	0.999731116
MICB	Inverse variance weighted	16	-0.048533228	0.025088287	0.999731116
MID2	Inverse variance weighted	2	-0.07302923	0.148648094	0.999731116
MIF	Inverse variance weighted	2	0.394391785	0.31102808	0.999731116
MILR1	Inverse variance weighted	2	0.135922785	0.177891456	0.999731116
MINOS1	Inverse variance weighted	19	0.031738003	0.025967628	0.999731116
MINPP1	Inverse variance weighted	6	0.066345065	0.069232454	0.999731116
MIOX	Inverse variance weighted	2	-0.144534304	0.36008143	0.999731116
MLEC	Wald ratio	1	-0.065989848	0.331641286	0.999731116
MLF1	Inverse variance weighted	8	0.041996833	0.032750162	0.999731116
MLL2	Inverse variance weighted	2	0.186062892	0.247562865	0.999731116
MMAB	Inverse variance weighted	2	-0.017565407	0.070958084	0.999731116
MMEL1	Inverse variance weighted	2	0.107524228	0.259089478	0.999731116
MMGT1	Inverse variance weighted	3	-0.313145442	0.250577622	0.999731116
MMP1	Inverse variance weighted	15	0.001553839	0.049527637	0.999731116
MMP12	Inverse variance weighted	11	-0.048616332	0.037870549	0.999731116
MMP13	Inverse variance weighted	2	0.440646891	0.562197455	0.999731116
MMP14	Wald ratio	1	-0.196594427	0.419504644	0.999731116
MMP16	Inverse variance weighted	4	0.039486978	0.196981972	0.999731116
MMP17	Inverse variance weighted	3	-0.196848953	0.191028145	0.999731116
MMP19	Inverse variance weighted	6	-0.009083729	0.068201733	0.999731116
MMP2	Inverse variance weighted	5	0.053369305	0.127210776	0.999731116
MMP20	Inverse variance weighted	5	-0.071197492	0.149760375	0.999731116
MMP3	Inverse variance weighted	2	-0.030202389	0.184461013	0.999731116
MMP7	Inverse variance weighted	6	-0.048437854	0.085276368	0.999731116
MMP8	Inverse variance weighted	13	0.258365378	0.118759981	0.999731116
MMP9	Inverse variance weighted	6	0.018857179	0.061627951	0.999731116
MMRN2	Inverse variance weighted	4	-0.22246043	0.158021983	0.999731116
MNX1	Inverse variance weighted	3	-0.33559045	0.202668942	0.999731116
MOBKL1A	Inverse variance weighted	2	0.116387547	0.220117944	0.999731116
MOBKL3	Inverse variance weighted	5	-0.222634928	0.24302995	0.999731116
MOCS3	Inverse variance weighted	9	-0.053073152	0.061949785	0.999731116
MPDZ	Wald ratio	1	-0.216730038	0.515209125	0.999731116
MPG	Wald ratio	1	-0.0113879	0.087188612	0.999731116
MPL	Inverse variance weighted	2	0.039929126	0.548582474	0.999731116
MPO	Inverse variance weighted	20	0.04951072	0.056354966	0.999731116
MPP6	Inverse variance weighted	4	0.048091914	0.114877877	0.999731116

MPP7	Wald ratio	1	0.059369202	0.298701299	0.999731116
MPPED2	Inverse variance weighted	4	-0.057189656	0.120123593	0.999731116
MPZ	Inverse variance weighted	11	-0.013251042	0.056802818	0.999731116
MPZL1	Inverse variance weighted	2	0.014557424	0.268050914	0.999731116
MPZL2	Inverse variance weighted	7	0.030786793	0.055299587	0.999731116
MRAP	Inverse variance weighted	4	0.072305882	0.130763211	0.999731116
MRAP2	Inverse variance weighted	2	-0.008948232	0.266366338	0.999731116
MRAS	Inverse variance weighted	3	0.05930084	0.115142873	0.999731116
MRC2	Inverse variance weighted	6	0.206334418	0.137172994	0.999731116
MRE11A	Inverse variance weighted	3	-0.035158554	0.177369412	0.999731116
MREG	Inverse variance weighted	11	0.023746137	0.047036085	0.999731116
MRPL2	Wald ratio	1	-0.286681716	0.611738149	0.999731116
MRPL21	Inverse variance weighted	4	-0.083043574	0.113776167	0.999731116
MRPL32	Wald ratio	1	-0.213445378	0.455462185	0.999731116
MRPL33	Inverse variance weighted	2	0.023127856	0.127598449	0.999731116
MRPL34	Inverse variance weighted	5	0.11762309	0.140361763	0.999731116
MRPL52	Inverse variance weighted	2	0.012634461	0.20867356	0.999731116
MRRF	Inverse variance weighted	2	0.115328945	0.243147122	0.999731116
MRVI1	Inverse variance weighted	4	0.02406936	0.183969378	0.999731116
MSH2	Inverse variance weighted	5	0.014852759	0.10774633	0.999731116
MSMB	Inverse variance weighted	16	-0.003799573	0.049012689	0.999731116
MSMP	Inverse variance weighted	16	0.011666356	0.056147242	0.999731116
MSN	Inverse variance weighted	2	0.051009916	0.324121962	0.999731116
MSR1	Inverse variance weighted	10	-0.077931214	0.04900154	0.999731116
MSRB2	Inverse variance weighted	3	-0.00232574	0.119821741	0.999731116
MSRB3	Inverse variance weighted	2	0.023881582	0.210685032	0.999731116
MST1	Inverse variance weighted	24	0.057051165	0.058135896	0.999731116
MST1R	Inverse variance weighted	5	-0.012962669	0.098888156	0.999731116
MSTN	Inverse variance weighted	2	-0.1136427	0.222761766	0.999731116
MTCP1	Inverse variance weighted	4	0.045314716	0.097457556	0.999731116
MTFR1	Inverse variance weighted	3	0.033990317	0.060333579	0.999731116
MTHFD1	Inverse variance weighted	6	-0.167048028	0.192816948	0.999731116
MTHFD2	Inverse variance weighted	4	-0.024211215	0.190375338	0.999731116
MTHFS	Inverse variance weighted	9	0.040920003	0.087950757	0.999731116
MTHFSD	Inverse variance weighted	5	-0.025018349	0.145014297	0.999731116
MTMR1	Inverse variance weighted	4	0.093797742	0.396739005	0.999731116
MTMR6	Wald ratio	1	0.140350877	0.31754386	0.999731116
MTPAP	Inverse variance weighted	4	0.061383676	0.11454193	0.999731116
MTRF1L	Inverse variance weighted	2	0.04088172	0.105179076	0.999731116
MTX2	Inverse variance weighted	2	-0.254304854	0.350368851	0.999731116
MUC16	Inverse variance weighted	9	-0.170459148	0.093184853	0.999731116
MUCL1	Inverse variance weighted	2	-0.254486007	0.326928469	0.999731116
MUL1	Inverse variance weighted	3	0.190405927	0.151220735	0.999731116
MUSK	Inverse variance weighted	2	0.40575562	0.406665951	0.999731116
MUTED	Inverse variance weighted	4	0.126548764	0.153441136	0.999731116
MVD	Wald ratio	1	-0.161579892	0.653500898	0.999731116
MVK	Inverse variance weighted	3	0.098588581	0.117187842	0.999731116
MX1	Inverse variance weighted	10	-0.090300405	0.080624658	0.999731116
MXRA7	Inverse variance weighted	7	0.001310543	0.05398922	0.999731116
MXRA8	Inverse variance weighted	11	-0.156231048	0.093826276	0.999731116

MYB	Wald ratio	1	-0.080645161	0.330645161	0.999731116
MYBPC1	Inverse variance weighted	6	-0.151384775	0.098004684	0.999731116
MYCBP	Inverse variance weighted	3	-0.128256943	0.276290821	0.999731116
MYCT1	Inverse variance weighted	5	0.048011212	0.112043387	0.999731116
MYDGF	Wald ratio	1	-0.201267829	0.429477021	0.999731116
MYL3	Inverse variance weighted	7	-0.015303598	0.129201265	0.999731116
MYL5	Inverse variance weighted	2	0.053227468	0.15654536	0.999731116
MYL6B	Inverse variance weighted	3	-0.076667641	0.211806379	0.999731116
MYL7	Inverse variance weighted	7	0.006997018	0.030119658	0.999731116
MYNN	Inverse variance weighted	2	0.069367208	0.186910155	0.999731116
MYO6	Inverse variance weighted	2	0.02920161	0.212020222	0.999731116
MYOC	Inverse variance weighted	7	-0.024639093	0.045348228	0.999731116
MYOM2	Inverse variance weighted	8	-0.05960979	0.112102949	0.999731116
MYOM3	Inverse variance weighted	5	0.042962655	0.088085345	0.999731116
MYRF	Inverse variance weighted	6	0.039766607	0.083394668	0.999731116
MYZAP	Inverse variance weighted	6	0.144769879	0.135536233	0.999731116
MZF1	Inverse variance weighted	7	-0.095965692	0.10607681	0.999731116
N6AMT1	Wald ratio	1	0.035928144	0.244011976	0.999731116
NAA10	Wald ratio	1	-0.672131148	0.322404372	0.999731116
NAAA	Inverse variance weighted	17	0.023747585	0.027533474	0.999731116
NAALAD2	Inverse variance weighted	7	-0.033353525	0.050614548	0.999731116
NAALADL1	Inverse variance weighted	5	0.051586046	0.071465279	0.999731116
NAB1	Inverse variance weighted	3	-0.155024886	0.175956825	0.999731116
NACA	Inverse variance weighted	3	-0.022654555	0.178205321	0.999731116
NADK	Wald ratio	1	0.299193548	0.14516129	0.999731116
NAE1	Inverse variance weighted	2	-0.063795138	0.130470144	0.999731116
NAGK	Inverse variance weighted	4	0.03481859	0.112149759	0.999731116
NAGLU	Inverse variance weighted	21	0.020018575	0.035652703	0.999731116
NAGPA	Inverse variance weighted	5	0.004951045	0.054897577	0.999731116
NAGS	Inverse variance weighted	2	-0.343610983	0.375360602	0.999731116
NAIF1	Inverse variance weighted	4	-0.111258327	0.133503499	0.999731116
NANOG	Wald ratio	1	-0.196899225	0.420155039	0.999731116
NANP	Inverse variance weighted	2	-0.142513328	0.134538621	0.999731116
NANS	Wald ratio	1	0.458536585	0.189268293	0.999731116
NAP1L1	Wald ratio	1	0.12012987	0.282467532	0.999731116
NAP1L2	Inverse variance weighted	3	-0.114425207	0.121370725	0.999731116
NAP1L4	Inverse variance weighted	2	-0.155637411	0.168503635	0.999731116
NAPA	Inverse variance weighted	2	-0.044548577	0.204471691	0.999731116
NAPB	Inverse variance weighted	2	0.136617549	0.199996793	0.999731116
NAPG	Inverse variance weighted	3	0.058582927	0.169962297	0.999731116
NAT1	Inverse variance weighted	2	-0.060619061	0.05617903	0.999731116
NAT14	Inverse variance weighted	2	-0.25443679	0.390193007	0.999731116
NBL1	Wald ratio	1	-0.262939959	0.561076605	0.999731116
NBR1	Inverse variance weighted	3	0.039953352	0.225110496	0.999731116
NCALD	Inverse variance weighted	2	0.00076807	0.169084848	0.999731116
NCAM1	Inverse variance weighted	12	-0.035019734	0.100610837	0.999731116
NCAM2	Inverse variance weighted	8	0.114868839	0.056202218	0.999731116
NCAN	Inverse variance weighted	9	-0.060069558	0.078045323	0.999731116
NCF1	Inverse variance weighted	8	0.005376782	0.080357023	0.999731116
NCF2	Inverse variance weighted	7	0.044358287	0.064550474	0.999731116

NCF4	Inverse variance weighted	3	-0.028980076	0.195865854	0.999731116
NCK2	Wald ratio	1	-0.295180723	0.341365462	0.999731116
NCL	Wald ratio	1	-0.120540019	0.261330762	0.999731116
NCMAP	Inverse variance weighted	9	-0.039597062	0.03453348	0.999731116
NCOA2	Inverse variance weighted	4	-0.005150931	0.140733978	0.999731116
NCR1	Inverse variance weighted	4	0.037510431	0.045680486	0.999731116
NCR2	Wald ratio	1	-0.140022051	0.298787211	0.999731116
NCR3	Inverse variance weighted	4	-0.339483044	0.154542458	0.999731116
NCR3LG1	Inverse variance weighted	4	0.05134875	0.125931166	0.999731116
NDC80	Inverse variance weighted	4	-0.093229527	0.142757407	0.999731116
NDE1	Wald ratio	1	0.357052097	0.216010165	0.999731116
NDNF	Inverse variance weighted	4	0.118539747	0.128828807	0.999731116
NDRG1	Inverse variance weighted	2	0.018353346	0.172937425	0.999731116
NDRG3	Inverse variance weighted	5	0.312216999	0.270062779	0.999731116
NDRG4	Inverse variance weighted	5	0.035875682	0.097125731	0.999731116
NDST1	Inverse variance weighted	10	-0.02031818	0.079561477	0.999731116
NDUFA5	Wald ratio	1	-0.203208556	0.483065954	0.999731116
NDUFB11	Inverse variance weighted	6	-0.093542879	0.108942948	0.999731116
NDUFB4	Inverse variance weighted	7	0.087705306	0.174665768	0.999731116
NDUFB8	Inverse variance weighted	4	0.014893387	0.119086861	0.999731116
NDUFS4	Inverse variance weighted	12	0.00568346	0.073198822	0.999731116
NDUFV2	Wald ratio	1	-0.154689403	0.330085262	0.999731116
NEDD9	Inverse variance weighted	2	0.11432336	0.255417557	0.999731116
NEFH	Inverse variance weighted	2	-0.007587742	0.13719895	0.999731116
NEFL	Inverse variance weighted	9	-0.177969517	0.07371443	0.999731116
NEGR1	Inverse variance weighted	10	-0.060594637	0.086937314	0.999731116
NELL2	Inverse variance weighted	6	0.07770312	0.155622603	0.999731116
NEO1	Inverse variance weighted	11	-0.178878404	0.138495942	0.999731116
NET1	Inverse variance weighted	3	0.16454829	0.323203427	0.999731116
NETO1	Inverse variance weighted	2	0.118040223	0.223238795	0.999731116
NEU1	Inverse variance weighted	2	-0.060424666	0.278331313	0.999731116
NEURL1	Inverse variance weighted	3	-0.005638342	0.107226719	0.999731116
NEURL4	Inverse variance weighted	4	0.036741702	0.124327318	0.999731116
NFASC	Inverse variance weighted	9	-0.146988052	0.073343177	0.999731116
NFATC1	Inverse variance weighted	4	-0.064117818	0.080336238	0.999731116
NFATC4	Inverse variance weighted	2	-0.344849486	0.368943243	0.999731116
NFKB1	Inverse variance weighted	5	-0.251284113	0.15321339	0.999731116
NFKBIB	Inverse variance weighted	4	0.126642365	0.14948769	0.999731116
NFKBID	Inverse variance weighted	4	0.116441932	0.154126967	0.999731116
NGFR	Inverse variance weighted	5	0.08007238	0.04287798	0.999731116
NHEJ1	Inverse variance weighted	3	0.171403713	0.141155686	0.999731116
NHLRC3	Inverse variance weighted	4	0.071986169	0.080040416	0.999731116
NID1	Inverse variance weighted	7	0.163162298	0.083842439	0.999731116
NID2	Inverse variance weighted	9	0.003311774	0.039547379	0.999731116
NIPAL4	Inverse variance weighted	2	0.065695405	0.151072005	0.999731116
NISCH	Inverse variance weighted	2	-0.299740948	0.374383708	0.999731116
NIT2	Inverse variance weighted	3	0.43083294	0.428202644	0.999731116
NLGN1	Inverse variance weighted	4	0.020926029	0.210584808	0.999731116
NLGN2	Inverse variance weighted	8	-0.068892052	0.135863101	0.999731116
NLGN3	Inverse variance weighted	2	-0.26398023	0.419771791	0.999731116

NLGN4X	Wald ratio	1	-0.23388582	0.49907919	0.999731116
NLRP10	Inverse variance weighted	2	0.19064219	0.21784702	0.999731116
NLRP4	Inverse variance weighted	3	0.094779726	0.180254834	0.999731116
NMB	Inverse variance weighted	7	0.027450373	0.122287235	0.999731116
NME1	Inverse variance weighted	2	0.155287822	0.268292514	0.999731116
NME2	Inverse variance weighted	2	0.403849297	0.320805231	0.999731116
NME4	Inverse variance weighted	2	-0.453259886	0.479759805	0.999731116
NMES1	Inverse variance weighted	2	0.207715722	0.16011744	0.999731116
NMI	Wald ratio	1	-2.392178771	1.055865922	0.999731116
NMNAT1	Inverse variance weighted	2	-0.245575891	0.360097307	0.999731116
NMRAL1	Inverse variance weighted	14	-0.088232038	0.087539669	0.999731116
NMT1	Inverse variance weighted	2	-0.006316573	0.17949974	0.999731116
NMT2	Inverse variance weighted	2	0.062758821	0.213738092	0.999731116
NMU	Inverse variance weighted	2	0.025570685	0.206001726	0.999731116
NNAT	Inverse variance weighted	4	0.020920385	0.078063505	0.999731116
NNMT	Inverse variance weighted	2	0.131894045	0.201211917	0.999731116
NODAL	Inverse variance weighted	3	0.256172162	0.205346379	0.999731116
NOG	Inverse variance weighted	17	0.103002818	0.071506763	0.999731116
NOP16	Inverse variance weighted	2	0.004330048	0.219855158	0.999731116
NOTCH1	Inverse variance weighted	7	0.016943893	0.034359741	0.999731116
NOTCH3	Inverse variance weighted	8	0.145201471	0.105792966	0.999731116
NOTUM	Inverse variance weighted	5	-0.043358423	0.120696076	0.999731116
NOV	Inverse variance weighted	3	-0.048219373	0.151011283	0.999731116
NOVA1	Wald ratio	1	0.307522124	0.438053097	0.999731116
NPDC1	Wald ratio	1	0.348552339	0.316258352	0.999731116
NPFF	Inverse variance weighted	7	0.018446703	0.133983776	0.999731116
NPIPB3	Inverse variance weighted	9	0.016614011	0.065198872	0.999731116
NPL	Inverse variance weighted	7	0.074650213	0.105338824	0.999731116
NPLOC4	Inverse variance weighted	3	-0.036213495	0.370174219	0.999731116
NPM1	Inverse variance weighted	5	0.038442405	0.101564686	0.999731116
NPNT	Inverse variance weighted	2	0.190834564	0.133680322	0.999731116
NPPA	Inverse variance weighted	4	0.014009916	0.075067522	0.999731116
NPPB	Inverse variance weighted	7	0.042623111	0.078540957	0.999731116
NPS	Inverse variance weighted	4	-0.037733877	0.056912461	0.999731116
NPTN	Inverse variance weighted	4	-0.476017508	0.282752699	0.999731116
NPTX1	Inverse variance weighted	14	-0.151394737	0.077793638	0.999731116
NPTX2	Inverse variance weighted	7	-0.011775021	0.079702373	0.999731116
NPTXR	Inverse variance weighted	8	-0.011228286	0.025364562	0.999731116
NPW	Inverse variance weighted	12	0.141318308	0.100836062	0.999731116
NQO1	Inverse variance weighted	13	0.006400047	0.021251361	0.999731116
NQO2	Inverse variance weighted	9	0.024673498	0.028733334	0.999731116
NR1D1	Inverse variance weighted	3	0.019642327	0.183835154	0.999731116
NR1H2	Inverse variance weighted	5	0.052903696	0.081669438	0.999731116
NR1H4	Inverse variance weighted	3	0.083981654	0.105323162	0.999731116
NR3C2	Wald ratio	1	-0.403337969	0.917941586	0.999731116
NR4A1	Inverse variance weighted	2	0.022582895	0.261398518	0.999731116
NR5A2	Wald ratio	1	0.051612903	1.249032258	0.999731116
NRAC	Inverse variance weighted	5	0.138928198	0.165332945	0.999731116
NRAS	Wald ratio	1	0.044247788	0.349557522	0.999731116
NRBP1	Inverse variance weighted	5	-0.013656804	0.142669198	0.999731116

NRCAM	Inverse variance weighted	4	-0.015314133	0.167670287	0.999731116
NRG1	Inverse variance weighted	3	0.016844866	0.252123551	0.999731116
NRG2	Wald ratio	1	-0.207177814	0.442088091	0.999731116
NRG4	Wald ratio	1	-0.14382786	0.306908267	0.999731116
NRGN	Inverse variance weighted	2	0.189786819	0.579560859	0.999731116
NRIP3	Inverse variance weighted	2	0.060057687	0.185210261	0.999731116
NRK1	Inverse variance weighted	3	-0.058839897	0.096599355	0.999731116
NRP1	Inverse variance weighted	10	0.030748976	0.06728933	0.999731116
NRP2	Inverse variance weighted	7	0.051787989	0.100130284	0.999731116
NRXN1	Inverse variance weighted	17	-0.014363168	0.034573977	0.999731116
NRXN2	Inverse variance weighted	6	0.162968963	0.140790941	0.999731116
NRXN3	Inverse variance weighted	10	0.066414264	0.064905351	0.999731116
NSDHL	Inverse variance weighted	4	0.025594629	0.054851363	0.999731116
NSF	Inverse variance weighted	2	0.112871248	0.367772943	0.999731116
NSFL1C	Inverse variance weighted	2	-0.360729081	0.412963061	0.999731116
NT5C	Inverse variance weighted	3	-0.219491317	0.178552834	0.999731116
NT5C2	Wald ratio	1	-0.458852868	0.217788861	0.999731116
NT5C3A	Inverse variance weighted	3	0.196434714	0.223281447	0.999731116
NT5C3L	Inverse variance weighted	14	0.006282778	0.0508919	0.999731116
NT5DC3	Wald ratio	1	-0.103942652	0.127240143	0.999731116
NT5E	Inverse variance weighted	7	0.06313419	0.045313869	0.999731116
NT5M	Wald ratio	1	-0.360950764	0.364006791	0.999731116
NTF3	Inverse variance weighted	5	0.045309192	0.135246517	0.999731116
NTF4	Wald ratio	1	-0.166013072	0.354248366	0.999731116
NTM	Inverse variance weighted	16	-0.037220777	0.031212693	0.999731116
NTMT1	Wald ratio	1	-0.242647059	0.242647059	0.999731116
NTN1	Inverse variance weighted	5	-0.02894109	0.176812625	0.999731116
NTN4	Inverse variance weighted	6	-0.145144175	0.152034899	0.999731116
NTNG1	Inverse variance weighted	16	-0.019077107	0.049490132	0.999731116
NTRK1	Inverse variance weighted	4	0.039110212	0.072395062	0.999731116
NTRK2	Inverse variance weighted	4	0.103835703	0.181172205	0.999731116
NTRK3	Inverse variance weighted	2	-0.052672054	0.117891394	0.999731116
NTS	Inverse variance weighted	6	-0.013829249	0.12355375	0.999731116
NUCB1	Inverse variance weighted	5	-0.170267682	0.369786241	0.999731116
NUDC	Inverse variance weighted	4	-0.089552016	0.187962215	0.999731116
NUDCD3	Inverse variance weighted	3	0.107267291	0.182979917	0.999731116
NUDT1	Inverse variance weighted	6	0.011323078	0.063872975	0.999731116
NUDT12	Inverse variance weighted	6	-0.022369515	0.108766402	0.999731116
NUDT16L1	Wald ratio	1	-0.359477124	0.359477124	0.999731116
NUDT2	Inverse variance weighted	5	0.0144951	0.101841729	0.999731116
NUDT5	Inverse variance weighted	2	-0.137347058	0.217026484	0.999731116
NUDT9	Inverse variance weighted	4	-0.056238059	0.129986125	0.999731116
NUP210	Inverse variance weighted	4	0.017288042	0.113220264	0.999731116
NUP210L	Inverse variance weighted	2	0.06279003	0.126464878	0.999731116
NUTF2	Wald ratio	1	-0.182108626	0.432907348	0.999731116
NXPH1	Inverse variance weighted	7	0.086811429	0.061858367	0.999731116
NXPH2	Inverse variance weighted	20	0.051769279	0.037114022	0.999731116
NXPH3	Inverse variance weighted	7	0.091736384	0.080143934	0.999731116
NXT1	Inverse variance weighted	4	0.051582746	0.100111252	0.999731116
OAF	Inverse variance weighted	6	-0.090867877	0.092830221	0.999731116

OAS1	Wald ratio	1	0.102915952	0.303602058	0.999731116
OAZ1	Inverse variance weighted	5	-0.040575956	0.172036449	0.999731116
OBP2A	Wald ratio	1	0.102214651	0.30153322	0.999731116
OBP2B	Inverse variance weighted	10	0.024338095	0.027735984	0.999731116
OCIAD1	Inverse variance weighted	7	0.096858857	0.07788784	0.999731116
OCRL	Inverse variance weighted	5	0.016330183	0.063553715	0.999731116
ODC1	Inverse variance weighted	9	-0.131028905	0.120140032	0.999731116
OGN	Inverse variance weighted	7	0.002306301	0.059650362	0.999731116
OLA1	Inverse variance weighted	2	-0.464744972	0.35134758	0.999731116
OLFM2	Inverse variance weighted	9	-0.01934299	0.055160235	0.999731116
OLFM3	Inverse variance weighted	3	-0.163017263	0.266604352	0.999731116
OLFM4	Wald ratio	1	-0.193302892	0.412480974	0.999731116
OLFML1	Inverse variance weighted	4	0.065870651	0.143949094	0.999731116
OLFML3	Inverse variance weighted	7	0.012532237	0.141564184	0.999731116
OLR1	Wald ratio	1	0.223905724	0.356902357	0.999731116
OMD	Inverse variance weighted	11	0.030264246	0.034403486	0.999731116
OMG	Inverse variance weighted	10	0.185335541	0.167020811	0.999731116
OMP	Inverse variance weighted	4	0.077280764	0.143743999	0.999731116
OPCML	Inverse variance weighted	7	-0.084934303	0.05858811	0.999731116
OPTC	Inverse variance weighted	4	-0.047007276	0.159867864	0.999731116
ORAOV1	Inverse variance weighted	5	-0.021416169	0.067626023	0.999731116
ORC6L	Inverse variance weighted	2	0.10260956	0.228172177	0.999731116
OSBPL11	Wald ratio	1	-0.704738761	1.603888214	0.999731116
OSBPL9	Inverse variance weighted	2	-0.07227899	0.160756333	0.999731116
OSCAR	Wald ratio	1	-0.151010702	0.322235434	0.999731116
OSM	Inverse variance weighted	5	-0.139998255	0.100997282	0.999731116
OSMR	Wald ratio	1	0.326143227	0.14322692	0.999731116
OSTM1	Inverse variance weighted	4	0.044770049	0.132802491	0.999731116
OSTN	Wald ratio	1	-0.271948608	0.580299786	0.999731116
OTC	Inverse variance weighted	5	-0.012829825	0.102238439	0.999731116
OTOR	Inverse variance weighted	6	0.004393942	0.072833303	0.999731116
OTUB2	Inverse variance weighted	2	0.131973318	0.519124555	0.999731116
OTUD5	Inverse variance weighted	3	0.111846268	0.124904306	0.999731116
OVCA2	Inverse variance weighted	2	0.065944977	0.239086184	0.999731116
OXSM	Inverse variance weighted	6	0.032860055	0.102241702	0.999731116
OXT	Inverse variance weighted	5	-0.047359443	0.055654829	0.999731116
P2RX6	Inverse variance weighted	2	-0.105233167	0.207254211	0.999731116
P4HA1	Wald ratio	1	0.068104427	0.200908059	0.999731116
P4HA2	Wald ratio	1	0.361911455	0.982431483	0.999731116
P4HB	Inverse variance weighted	3	-0.306301524	0.264963351	0.999731116
PA2G4	Inverse variance weighted	5	0.0282358	0.12426216	0.999731116
PABPC3	Inverse variance weighted	2	-0.002347315	0.154468768	0.999731116
PABPC4	Inverse variance weighted	2	-0.221798245	0.190975778	0.999731116
PABPN1	Inverse variance weighted	2	-0.217493881	0.168377576	0.999731116
PACAP	Inverse variance weighted	12	0.036851408	0.091589901	0.999731116
PACSIN1	Inverse variance weighted	4	0.042037967	0.091712022	0.999731116
PAEP	Wald ratio	1	-0.186217009	0.397360704	0.999731116
PAF	Inverse variance weighted	7	0.064709504	0.03529255	0.999731116
PAFAH1B3	Wald ratio	1	-0.194723618	0.208542714	0.999731116
PAFAH2	Inverse variance weighted	2	-0.135275926	0.326146888	0.999731116

PAICS	Wald ratio	1	-0.429387331	0.573208723	0.999731116
PAIP1	Wald ratio	1	0.175925926	0.28042328	0.999731116
PAK3	Inverse variance weighted	3	-0.031622371	0.074104669	0.999731116
PAK4	Wald ratio	1	-0.231132075	0.267295597	0.999731116
PAK6	Wald ratio	1	0.231907895	0.886513158	0.999731116
PAK7	Inverse variance weighted	2	-0.060658995	0.116758736	0.999731116
PALM	Inverse variance weighted	4	0.054869106	0.094042539	0.999731116
PAM	Inverse variance weighted	23	-0.010276596	0.037672189	0.999731116
PANK3	Inverse variance weighted	4	-0.016174746	0.153503926	0.999731116
PAPL	Wald ratio	1	-0.253493014	0.540918164	0.999731116
PAPLN	Inverse variance weighted	3	-0.158194998	0.28014201	0.999731116
PAPOLG	Wald ratio	1	-0.190140845	0.424295775	0.999731116
PAPPA	Inverse variance weighted	15	-0.071814783	0.05439014	0.999731116
PAPPA2	Inverse variance weighted	2	-0.016552943	0.49250449	0.999731116
PAPSS1	Inverse variance weighted	4	0.06483777	0.134255626	0.999731116
PARK2	Inverse variance weighted	2	0.07128008	0.198178853	0.999731116
PARK7	Inverse variance weighted	6	-0.018261715	0.084840239	0.999731116
PARP1	Inverse variance weighted	3	-0.099292464	0.16912145	0.999731116
PARP11	Wald ratio	1	-0.015254237	0.357627119	0.999731116
PARP16	Inverse variance weighted	5	0.118797487	0.119858615	0.999731116
PARVA	Wald ratio	1	0.198818898	0.309055118	0.999731116
PATE1	Wald ratio	1	-0.229241877	0.489169675	0.999731116
PATE4	Inverse variance weighted	3	0.182419146	0.151162693	0.999731116
PAWR	Inverse variance weighted	4	0.084789211	0.23512475	0.999731116
PAXIP1	Inverse variance weighted	3	-0.11524554	0.271415584	0.999731116
PBK	Inverse variance weighted	7	0.043636944	0.075677434	0.999731116
PBRM1	Wald ratio	1	-0.33	0.33	0.999731116
PC	Wald ratio	1	-0.239495798	0.569327731	0.999731116
PCBD1	Inverse variance weighted	3	-0.014310279	0.103074076	0.999731116
PCBP1	Wald ratio	1	-0.351812367	0.351812367	0.999731116
PCDH10	Inverse variance weighted	16	-0.007443474	0.021210549	0.999731116
PCDH9	Inverse variance weighted	11	-0.031153894	0.057163232	0.999731116
PCDHA4	Inverse variance weighted	20	-0.063192309	0.077521758	0.999731116
PCDHA7	Inverse variance weighted	2	-0.087455142	0.183833119	0.999731116
PCDHAC1	Wald ratio	1	0.229019608	0.134117647	0.999731116
PCDHAC2	Wald ratio	1	0.520710059	0.766272189	0.999731116
PCDHB1	Inverse variance weighted	4	0.047525795	0.09486621	0.999731116
PCDHB10	Inverse variance weighted	5	0.100992473	0.121941225	0.999731116
PCDHB2	Inverse variance weighted	5	0.15987496	0.381029545	0.999731116
PCDHB7	Inverse variance weighted	5	-0.147398188	0.164374334	0.999731116
PCDHGA1	Inverse variance weighted	9	0.095219389	0.096189958	0.999731116
PCDHGA10	Inverse variance weighted	2	-0.199650107	0.299076254	0.999731116
PCDHGA12	Wald ratio	1	-0.218965517	0.467241379	0.999731116
PCDHGB1	Inverse variance weighted	6	0.072198589	0.215830152	0.999731116
PCDHGC3	Inverse variance weighted	8	-0.048548942	0.084470661	0.999731116
PCDHGC5	Wald ratio	1	-0.174690509	0.372764787	0.999731116
PCK1	Inverse variance weighted	4	-0.033077309	0.073756587	0.999731116
PCMT1	Inverse variance weighted	2	0.080650322	0.267017539	0.999731116
PCNA	Inverse variance weighted	2	0.074843742	0.257294374	0.999731116
PCNP	Inverse variance weighted	2	-0.00628215	0.159633551	0.999731116

PCOLCE	Inverse variance weighted	3	-0.190981743	0.339734653	0.999731116
PCOLCE2	Inverse variance weighted	17	0.07985642	0.04469568	0.999731116
PCSK1	Inverse variance weighted	13	0.057094712	0.052917342	0.999731116
PCSK1N	Inverse variance weighted	15	-0.051242999	0.068765126	0.999731116
PCSK2	Inverse variance weighted	5	-0.025633658	0.118170028	0.999731116
PCSK7	Inverse variance weighted	8	0.037500755	0.057059692	0.999731116
PCSK9	Inverse variance weighted	9	-0.139188254	0.072239054	0.999731116
PCTK1	Inverse variance weighted	3	-0.163810559	0.26640998	0.999731116
PCYOX1	Inverse variance weighted	14	-0.052509568	0.046819298	0.999731116
PCYOX1L	Wald ratio	1	-0.109248555	0.672254335	0.999731116
PDAP1	Wald ratio	1	0.032258065	0.25483871	0.999731116
PDCD1	Inverse variance weighted	3	0.162241245	0.132716613	0.999731116
PDCD1LG2	Inverse variance weighted	6	-0.1058443	0.070469283	0.999731116
PDCD4	Wald ratio	1	-0.224778761	0.479646018	0.999731116
PDCD5	Inverse variance weighted	5	-0.033613422	0.111935545	0.999731116
PDCD6	Inverse variance weighted	6	0.062101088	0.094915198	0.999731116
PDCD6IP	Wald ratio	1	-0.161607143	0.146428571	0.999731116
PDCL2	Inverse variance weighted	2	-0.096494806	0.190178396	0.999731116
PDE11A	Inverse variance weighted	3	0.029689044	0.323412691	0.999731116
PDE1A	Wald ratio	1	0.08356546	0.246518106	0.999731116
PDE2A	Inverse variance weighted	4	-0.024038977	0.131248026	0.999731116
PDE4A	Inverse variance weighted	2	0.100303785	0.229298726	0.999731116
PDE4D	Inverse variance weighted	5	0.001986049	0.149145106	0.999731116
PDE5A	Inverse variance weighted	7	-0.075818289	0.074362267	0.999731116
PDE6D	Inverse variance weighted	4	0.068036075	0.189008118	0.999731116
PDE7A	Inverse variance weighted	2	-0.066207781	0.20276825	0.999731116
PDE9A	Wald ratio	1	-0.286681716	0.611738149	0.999731116
PDGFA	Inverse variance weighted	7	0.09640729	0.101897419	0.999731116
PDGFB	Inverse variance weighted	3	0.15947226	0.241636509	0.999731116
PDGFC	Inverse variance weighted	2	-0.0051367	0.121018387	0.999731116
PDGFD	Inverse variance weighted	12	0.001832646	0.039114131	0.999731116
PDGFRB	Inverse variance weighted	10	-0.021467877	0.01580582	0.999731116
PDGFRL	Inverse variance weighted	9	-0.065025761	0.034121293	0.999731116
PDHX	Inverse variance weighted	2	0.63909907	0.831702418	0.999731116
PDIA3	Wald ratio	1	0.433219178	0.284246575	0.999731116
PDIA4	Inverse variance weighted	4	-0.242486677	0.185581002	0.999731116
PDIA5	Inverse variance weighted	9	-0.020096128	0.034702213	0.999731116
PDIA6	Wald ratio	1	0.414075286	0.271685761	0.999731116
PDILT	Inverse variance weighted	2	0.030500056	0.21952572	0.999731116
PDK1	Inverse variance weighted	2	-0.129173166	0.245615668	0.999731116
PDLIM4	Wald ratio	1	0.115874855	0.068752414	0.999731116
PDPK1	Wald ratio	1	-0.798701299	0.383116883	0.999731116
PDRG1	Inverse variance weighted	2	-0.187425523	0.182626967	0.999731116
PDXK	Inverse variance weighted	6	0.017251998	0.133860926	0.999731116
PDXP	Inverse variance weighted	2	-0.104488902	0.239039297	0.999731116
PDYN	Inverse variance weighted	5	0.044397161	0.076291072	0.999731116
PDZD11	Wald ratio	1	-0.187315634	0.399705015	0.999731116
PDZD7	Inverse variance weighted	2	0.075943624	0.205420216	0.999731116
PDZK1	Inverse variance weighted	3	-0.043728151	0.143985544	0.999731116
PEA15	Wald ratio	1	0.036036036	0.284684685	0.999731116

PEAR1	Inverse variance weighted	9	0.095870717	0.066347367	0.999731116
PEBP1	Inverse variance weighted	9	-0.015852035	0.038250722	0.999731116
PECAM1	Inverse variance weighted	3	-0.16384561	0.171266421	0.999731116
PECR	Inverse variance weighted	2	0.066239408	0.156372454	0.999731116
PEF1	Inverse variance weighted	24	-0.049179748	0.030874262	0.999731116
PELI2	Inverse variance weighted	2	-0.061136654	0.203311874	0.999731116
PELO	Wald ratio	1	0.492405063	0.275949367	0.999731116
PENK	Inverse variance weighted	12	0.024175978	0.029864636	0.999731116
PET117	Inverse variance weighted	5	0.044324056	0.092171887	0.999731116
PEX14	Inverse variance weighted	3	-0.07056095	0.19279429	0.999731116
PEX26	Inverse variance weighted	5	0.056684454	0.096365759	0.999731116
PEX5	Inverse variance weighted	2	0.00813339	0.263725863	0.999731116
PF4	Inverse variance weighted	2	0.075126762	0.126488	0.999731116
PF4V1	Inverse variance weighted	5	-0.068414952	0.054383744	0.999731116
PFDN1	Inverse variance weighted	3	0.134035289	0.215422873	0.999731116
PFDN2	Inverse variance weighted	3	0.03548695	0.188073616	0.999731116
PFDN5	Inverse variance weighted	4	-0.109994514	0.158466299	0.999731116
PFKFB3	Inverse variance weighted	2	0.071904907	0.167967124	0.999731116
PFKM	Inverse variance weighted	4	-0.160216138	0.202699661	0.999731116
PFN2	Wald ratio	1	-0.154501217	0.329683698	0.999731116
PGAM1	Inverse variance weighted	2	-0.056758515	0.292557502	0.999731116
PGAM2	Wald ratio	1	-0.476190476	0.455026455	0.999731116
PGD	Wald ratio	1	0.042372881	0.334745763	0.999731116
PGF	Wald ratio	1	-0.185944363	0.396778917	0.999731116
PGK2	Inverse variance weighted	2	-0.108609567	0.207660939	0.999731116
PGLS	Inverse variance weighted	7	-0.199917898	0.089274885	0.999731116
PGLYRP1	Inverse variance weighted	5	0.089409888	0.074094097	0.999731116
PGLYRP2	Inverse variance weighted	4	-0.048292038	0.080328932	0.999731116
PGLYRP3	Inverse variance weighted	3	-0.152490516	0.216245562	0.999731116
PGM1	Inverse variance weighted	3	0.231917764	0.138104373	0.999731116
PGM2	Inverse variance weighted	7	-0.031270446	0.026606843	0.999731116
PGP	Inverse variance weighted	4	-0.254433103	0.186040579	0.999731116
PGR	Wald ratio	1	0.034542314	0.272884283	0.999731116
PGRMC1	Wald ratio	1	0.117400419	0.480083857	0.999731116
PGRMC2	Inverse variance weighted	6	0.049796639	0.091931257	0.999731116
PHEX	Wald ratio	1	0.892180095	1.264218009	0.999731116
PHGDH	Inverse variance weighted	10	0.039546475	0.030310303	0.999731116
PHPT1	Inverse variance weighted	2	-0.024826309	0.107616709	0.999731116
PI15	Inverse variance weighted	3	0.027253811	0.13302392	0.999731116
PI3	Inverse variance weighted	3	0.063932228	0.086523081	0.999731116
PIANP	Inverse variance weighted	4	0.100347921	0.169583829	0.999731116
PIAS3	Inverse variance weighted	2	0.182797639	0.371633836	0.999731116
PIAS4	Inverse variance weighted	2	0.033588743	0.186973121	0.999731116
PIEZO1	Wald ratio	1	0.23415493	0.373239437	0.999731116
PIGR	Inverse variance weighted	4	0.214922133	0.111311956	0.999731116
PIK3C2A	Inverse variance weighted	3	-0.008833234	0.100778827	0.999731116
PIK3CG	Inverse variance weighted	4	-0.045136338	0.096858425	0.999731116
PILRA	Inverse variance weighted	31	0.008409208	0.030937428	0.999731116
PIM1	Inverse variance weighted	4	0.202792893	0.210863798	0.999731116
PIN4	Wald ratio	1	-0.253456221	0.253456221	0.999731116

PIP	Inverse variance weighted	12	0.097245585	0.05158145	0.999731116
PIR	Inverse variance weighted	5	0.043664174	0.052213965	0.999731116
PITPNA	Inverse variance weighted	5	0.020142889	0.109872057	0.999731116
PITPNB	Inverse variance weighted	5	0.078119714	0.096525725	0.999731116
PIWIL1	Wald ratio	1	-0.418256131	0.441416894	0.999731116
PKD2	Inverse variance weighted	3	0.064538299	0.213865735	0.999731116
PKDCC	Inverse variance weighted	9	0.019942619	0.072435091	0.999731116
PKLR	Inverse variance weighted	3	-0.336695048	0.256265256	0.999731116
PKM2	Inverse variance weighted	3	-0.117978828	0.529111793	0.999731116
PKN1	Inverse variance weighted	4	-0.028130355	0.150126036	0.999731116
PKP2	Inverse variance weighted	4	-0.04089373	0.121503077	0.999731116
PLA2G10	Inverse variance weighted	2	0.006109536	0.156123012	0.999731116
PLA2G12B	Inverse variance weighted	10	-0.050793908	0.066262359	0.999731116
PLA2G16	Inverse variance weighted	3	-0.025016533	0.188736645	0.999731116
PLA2G1B	Wald ratio	1	0.856622114	0.504252734	0.999731116
PLA2G2A	Inverse variance weighted	11	0.034428699	0.062282238	0.999731116
PLA2G2E	Wald ratio	1	-0.122232916	0.260827719	0.999731116
PLA2G5	Wald ratio	1	-0.233455882	0.498161765	0.999731116
PLA2G7	Inverse variance weighted	21	-0.027546874	0.045789188	0.999731116
PLA2R1	Inverse variance weighted	22	-0.036604293	0.036779057	0.999731116
PLAT	Inverse variance weighted	11	-0.076448021	0.14532449	0.999731116
PLAU	Inverse variance weighted	16	0.003406848	0.045075591	0.999731116
PLAUR	Inverse variance weighted	9	0.151916437	0.087107257	0.999731116
PLBD1	Inverse variance weighted	2	0.179604766	0.394861453	0.999731116
PLBD2	Inverse variance weighted	4	0.10596933	0.127804206	0.999731116
PLCB1	Wald ratio	1	-0.307835821	0.307835821	0.999731116
PLCG1	Inverse variance weighted	4	0.093944435	0.152568655	0.999731116
PLCG2	Inverse variance weighted	2	-0.08083009	0.228193016	0.999731116
PLD3	Inverse variance weighted	2	0.034868585	0.207085912	0.999731116
PLEK	Inverse variance weighted	3	-0.040982317	0.200592582	0.999731116
PLEKHA1	Inverse variance weighted	5	-0.06713471	0.089224812	0.999731116
PLEKHA4	Inverse variance weighted	2	-0.097624694	0.206181012	0.999731116
PLEKHA7	Inverse variance weighted	3	-0.029816949	0.037384785	0.999731116
PLG	Inverse variance weighted	16	-0.114967924	0.103526544	0.999731116
PLIN3	Inverse variance weighted	3	-0.127244313	0.309248014	0.999731116
PLK1	Wald ratio	1	-0.153939394	0.328484848	0.999731116
PLOD2	Inverse variance weighted	6	-0.021595109	0.13203356	0.999731116
PLOD3	Inverse variance weighted	3	-0.013266927	0.264620744	0.999731116
PLSCR3	Inverse variance weighted	3	-0.173752554	0.322869517	0.999731116
PLTP	Inverse variance weighted	11	-0.037064201	0.07129445	0.999731116
PLVAP	Wald ratio	1	-2.732864675	1.766256591	0.999731116
PLXDC1	Inverse variance weighted	10	0.064621759	0.074129849	0.999731116
PLXNA1	Inverse variance weighted	7	-0.012455907	0.058937461	0.999731116
PLXNA4	Inverse variance weighted	2	0.156504881	0.198782901	0.999731116
PLXNB2	Inverse variance weighted	8	0.050634199	0.0414635	0.999731116
PLXNB3	Inverse variance weighted	3	0.159722699	0.129318812	0.999731116
PLXNC1	Inverse variance weighted	10	0.035354565	0.03541233	0.999731116
PLXND1	Inverse variance weighted	12	0.005308937	0.020741316	0.999731116
PMEL	Inverse variance weighted	14	-0.0242578	0.045525898	0.999731116
PMEPA1	Inverse variance weighted	3	0.135694032	0.196438338	0.999731116

PMM1	Inverse variance weighted	3	-0.010151347	0.617887767	0.999731116
PMM2	Inverse variance weighted	3	-0.080273098	0.20425135	0.999731116
PMS2	Inverse variance weighted	2	-0.240520374	0.348627398	0.999731116
PMVK	Inverse variance weighted	6	-0.175440219	0.282053586	0.999731116
PNKP	Inverse variance weighted	2	-0.010085761	0.171045543	0.999731116
PNLIP	Inverse variance weighted	14	0.032215902	0.123731145	0.999731116
PNLIPRP1	Inverse variance weighted	21	-0.001866489	0.080678841	0.999731116
PNLIPRP2	Inverse variance weighted	15	-0.003600624	0.021959338	0.999731116
PNMT	Wald ratio	1	-0.153012048	0.326506024	0.999731116
PNP	Inverse variance weighted	3	0.067945005	0.11174857	0.999731116
PNPLA2	Inverse variance weighted	3	0.029408139	0.203102307	0.999731116
PNPO	Inverse variance weighted	4	-0.134652002	0.170766116	0.999731116
PODXL2	Wald ratio	1	0.333333333	0.474820144	0.999731116
POFUT1	Inverse variance weighted	11	-0.019127413	0.07849133	0.999731116
POGLUT1	Inverse variance weighted	3	-0.42989697	0.176705781	0.999731116
POLD4	Wald ratio	1	-0.388646288	0.417030568	0.999731116
POLE2	Wald ratio	1	0.095389507	0.281399046	0.999731116
POLE3	Inverse variance weighted	3	-0.078150192	0.113351349	0.999731116
POLH	Wald ratio	1	-0.195876289	0.465635739	0.999731116
POLI	Inverse variance weighted	3	-0.114556227	0.22705915	0.999731116
POLM	Inverse variance weighted	3	-0.084379939	0.250638744	0.999731116
POLR1C	Inverse variance weighted	6	0.070280363	0.095298584	0.999731116
POLR2J	Wald ratio	1	-1.064655172	0.982758621	0.999731116
POLR2K	Wald ratio	1	0.439338235	0.360294118	0.999731116
POLR3F	Wald ratio	1	0.092307692	0.272307692	0.999731116
POMC	Inverse variance weighted	16	-0.048725658	0.087226273	0.999731116
POMGNT1	Inverse variance weighted	2	0.13945498	0.297715526	0.999731116
POMGNT2	Inverse variance weighted	13	-0.017951985	0.047987966	0.999731116
POMK	Inverse variance weighted	2	-0.200595004	0.311428742	0.999731116
PON1	Inverse variance weighted	2	0.114640819	0.351402929	0.999731116
POR	Inverse variance weighted	3	0.081780886	0.124652268	0.999731116
POSTN	Inverse variance weighted	4	-0.013856155	0.116772948	0.999731116
POTEG	Inverse variance weighted	2	-0.112987179	0.225231808	0.999731116
POTEM	Wald ratio	1	-0.194785276	0.415644172	0.999731116
PPA1	Wald ratio	1	0.254991443	0.144894467	0.999731116
PPA2	Inverse variance weighted	3	0.155463299	0.217303448	0.999731116
PPAPDC1A	Inverse variance weighted	4	0.034859452	0.080784359	0.999731116
PPARA	Inverse variance weighted	2	0.123851394	0.283488468	0.999731116
PPARGC1A	Inverse variance weighted	2	0.04810859	0.293843812	0.999731116
PPBP	Inverse variance weighted	5	0.118431052	0.099679969	0.999731116
PPCDC	Wald ratio	1	-0.2	0.475438596	0.999731116
PPCS	Wald ratio	1	-0.065365854	0.154146341	0.999731116
PPFIA1	Inverse variance weighted	2	-0.218901354	0.387882422	0.999731116
PPIA	Wald ratio	1	0.035714286	0.282142857	0.999731116
PPIB	Inverse variance weighted	2	0.014068921	0.081370307	0.999731116
PPIC	Inverse variance weighted	11	0.013549969	0.061886555	0.999731116
PPID	Inverse variance weighted	4	-0.163711083	0.074509376	0.999731116
PPIE	Inverse variance weighted	4	-0.018916344	0.139922022	0.999731116
PPIF	Wald ratio	1	0.043383948	0.342733189	0.999731116
PPIG	Inverse variance weighted	7	0.047552574	0.057354568	0.999731116

PPIH	Inverse variance weighted	2	0.074448998	0.061873424	0.999731116
PPIL1	Inverse variance weighted	9	-0.042786278	0.086345606	0.999731116
PPIL2	Inverse variance weighted	7	-0.053172104	0.066072478	0.999731116
PPM1D	Wald ratio	1	-0.956293706	0.444055944	0.999731116
PPM1L	Wald ratio	1	-0.807439825	0.387308534	0.999731116
PPP1R14A	Wald ratio	1	0.720415537	0.954832882	0.999731116
PPP1R1A	Inverse variance weighted	2	0.008436811	0.1809293	0.999731116
PPP1R2	Wald ratio	1	0.25388601	0.237046632	0.999731116
PPP1R3B	Inverse variance weighted	2	0.058708858	0.122610123	0.999731116
PPP1R8	Inverse variance weighted	5	0.017758428	0.097079148	0.999731116
PPP2R1A	Inverse variance weighted	2	-0.032417207	0.100542045	0.999731116
PPP2R3A	Inverse variance weighted	4	-0.075860182	0.095623789	0.999731116
PPP2R5A	Wald ratio	1	-0.162580645	0.209032258	0.999731116
PPP3R1	Inverse variance weighted	2	0.098190413	0.174640325	0.999731116
PPP3R2	Inverse variance weighted	8	0.04560338	0.059735142	0.999731116
PPT1	Inverse variance weighted	5	0.021603405	0.05541985	0.999731116
PPY	Inverse variance weighted	5	0.120759334	0.185144063	0.999731116
PQBP1	Wald ratio	1	-0.07029877	0.288224956	0.999731116
PQLC2L	Wald ratio	1	-0.184593023	0.393895349	0.999731116
PRC1	Inverse variance weighted	3	-0.493173742	0.294862832	0.999731116
PRCP	Inverse variance weighted	15	0.008506399	0.050205112	0.999731116
PRDM1	Inverse variance weighted	5	-0.064291493	0.073875355	0.999731116
PRDM4	Wald ratio	1	0.049322289	0.098644578	0.999731116
PRDX1	Inverse variance weighted	4	-0.121334386	0.285239264	0.999731116
PRDX4	Inverse variance weighted	4	0.048828658	0.109057608	0.999731116
PRDX5	Inverse variance weighted	2	0.01918343	0.242229592	0.999731116
PREP	Inverse variance weighted	3	0.141606824	0.195639754	0.999731116
PRG2	Inverse variance weighted	4	0.108759625	0.151327356	0.999731116
PRG3	Inverse variance weighted	11	-0.141550764	0.067690729	0.999731116
PRIM1	Wald ratio	1	-0.125628141	0.272361809	0.999731116
PRKAR2A	Inverse variance weighted	2	0.070812531	0.257789759	0.999731116
PRKCB	Inverse variance weighted	2	-0.075433798	0.410765245	0.999731116
PRKCG	Inverse variance weighted	2	-0.024419351	0.271520505	0.999731116
PRKCI	Wald ratio	1	-0.678308824	0.325367647	0.999731116
PRKCQ	Wald ratio	1	0.038022814	0.300380228	0.999731116
PRKCSH	Inverse variance weighted	6	-0.552052663	0.350149005	0.999731116
PRKCZ	Inverse variance weighted	2	0.0307396	0.196379526	0.999731116
PRKG1	Inverse variance weighted	4	0.081713835	0.104957482	0.999731116
PRL	Wald ratio	1	-0.178217822	0.805940594	0.999731116
PRLH	Inverse variance weighted	5	-0.012213075	0.18502002	0.999731116
PRLR	Inverse variance weighted	2	-0.000911461	0.187224608	0.999731116
PRND	Inverse variance weighted	7	0.049119153	0.121328865	0.999731116
PRNP	Inverse variance weighted	4	0.095131749	0.111964527	0.999731116
PROC	Inverse variance weighted	8	-0.036551228	0.06370103	0.999731116
PROK1	Wald ratio	1	-0.162404092	0.346547315	0.999731116
PROK2	Inverse variance weighted	9	0.044423931	0.030934426	0.999731116
PROL1	Inverse variance weighted	2	0.113533542	0.228902332	0.999731116
PROS1	Inverse variance weighted	3	0.087532907	0.174015912	0.999731116
PRPF6	Inverse variance weighted	10	-0.152763965	0.103098092	0.999731116
PRPSAP2	Wald ratio	1	-0.074576271	0.283050847	0.999731116

PRR16	Inverse variance weighted	3	-0.024434508	0.145747595	0.999731116
PRR27	Inverse variance weighted	5	-0.213270553	0.133451059	0.999731116
PRRG1	Inverse variance weighted	6	0.125650092	0.11940321	0.999731116
PRRG4	Inverse variance weighted	3	-0.00967723	0.102662174	0.999731116
PRSS1	Inverse variance weighted	10	0.193292436	0.098116057	0.999731116
PRSS2	Inverse variance weighted	15	0.075656258	0.068727883	0.999731116
PRSS22	Inverse variance weighted	5	0.004169817	0.062805862	0.999731116
PRSS3	Inverse variance weighted	28	0.005787268	0.032345918	0.999731116
PRSS35	Inverse variance weighted	5	-0.023762198	0.11910032	0.999731116
PRSS57	Inverse variance weighted	9	0.031251349	0.030197413	0.999731116
PRSS8	Inverse variance weighted	6	0.011151309	0.177831037	0.999731116
PRTN3	Inverse variance weighted	13	-0.059993001	0.110947699	0.999731116
PSAP	Inverse variance weighted	14	-0.000145598	0.048052427	0.999731116
PSAPL1	Inverse variance weighted	12	0.019409532	0.066960929	0.999731116
PSAT1	Inverse variance weighted	3	0.105511902	0.099188033	0.999731116
PSD	Inverse variance weighted	6	0.096995425	0.109407773	0.999731116
PSD2	Inverse variance weighted	15	-0.007096644	0.036341702	0.999731116
PSG1	Wald ratio	1	-0.064449064	0.374220374	0.999731116
PSG11	Inverse variance weighted	5	0.070612408	0.108353972	0.999731116
PSG2	Inverse variance weighted	3	0.09831454	0.349127032	0.999731116
PSG3	Inverse variance weighted	6	0.188625036	0.103740263	0.999731116
PSG4	Inverse variance weighted	10	-0.213223167	0.15169836	0.999731116
PSG5	Inverse variance weighted	9	0.087926124	0.061844701	0.999731116
PSG7	Wald ratio	1	-1.196765499	1.318059299	0.999731116
PSG8	Wald ratio	1	0.08683068	0.256150507	0.999731116
PSG9	Wald ratio	1	1.165775401	1.322192513	0.999731116
PSIP1	Wald ratio	1	0.463126844	0.31120944	0.999731116
PSMA1	Inverse variance weighted	8	0.039550735	0.080427094	0.999731116
PSMA2	Inverse variance weighted	4	0.007301392	0.118386351	0.999731116
PSMA3	Wald ratio	1	-0.254	0.542	0.999731116
PSMA5	Inverse variance weighted	9	-0.010946029	0.102713851	0.999731116
PSMA6	Wald ratio	1	0.044247788	0.349557522	0.999731116
PSMA7	Inverse variance weighted	2	0.092583378	0.091068376	0.999731116
PSMB1	Inverse variance weighted	5	-0.060812298	0.073312384	0.999731116
PSMB2	Wald ratio	1	0.230103806	0.366782007	0.999731116
PSMB3	Inverse variance weighted	4	0.134357002	0.122171131	0.999731116
PSMB4	Inverse variance weighted	8	0.002880318	0.04501363	0.999731116
PSMB5	Inverse variance weighted	3	0.169227758	0.570517658	0.999731116
PSMB6	Wald ratio	1	0.135245902	0.282786885	0.999731116
PSMB9	Inverse variance weighted	8	0.043886786	0.053698962	0.999731116
PSMD10	Inverse variance weighted	2	0.026762677	0.249854312	0.999731116
PSMD11	Wald ratio	1	0.261316872	0.514403292	0.999731116
PSMD4	Wald ratio	1	-0.247524752	0.536633663	0.999731116
PSMD5	Inverse variance weighted	2	-0.028506694	0.367851947	0.999731116
PSMD7	Inverse variance weighted	2	0.453890028	0.426403239	0.999731116
PSMD9	Wald ratio	1	0.00341006	0.136402387	0.999731116
PSME1	Inverse variance weighted	3	0.115876756	0.20617944	0.999731116
PSME2	Inverse variance weighted	3	0.010115769	0.2150991	0.999731116
PSME3	Wald ratio	1	-0.222027972	0.473776224	0.999731116
PSPN	Wald ratio	1	-0.145308924	0.31006865	0.999731116

PSTPIP1	Wald ratio	1	-0.164028777	0.389928058	0.999731116
PTCHD3	Inverse variance weighted	2	-0.115495897	0.224289636	0.999731116
PTEN	Inverse variance weighted	2	-0.016745344	0.299408029	0.999731116
PTGDS	Inverse variance weighted	3	0.04638937	0.121587478	0.999731116
PTGES2	Inverse variance weighted	5	-0.041692193	0.215417172	0.999731116
PTGES3	Inverse variance weighted	9	-0.017956609	0.064655434	0.999731116
PTGFRN	Inverse variance weighted	13	-0.05900791	0.047430522	0.999731116
PTGR1	Inverse variance weighted	4	-0.098230581	0.08638354	0.999731116
PTGR2	Inverse variance weighted	4	0.08329312	0.096733399	0.999731116
PTGS2	Inverse variance weighted	2	0.010172763	0.210367173	0.999731116
PTH	Inverse variance weighted	4	0.034548432	0.112863016	0.999731116
PTH1R	Inverse variance weighted	5	0.051047364	0.122237187	0.999731116
PTH2	Inverse variance weighted	3	-0.033643744	0.190531804	0.999731116
PTHLH	Inverse variance weighted	3	0.098107604	0.111503176	0.999731116
PTK2B	Inverse variance weighted	5	-0.067450188	0.117368518	0.999731116
PTK7	Inverse variance weighted	9	0.038137904	0.119488696	0.999731116
PTN	Inverse variance weighted	3	-0.130065842	0.110952193	0.999731116
PTP4A1	Inverse variance weighted	2	-0.143095668	1.025117204	0.999731116
PTP4A2	Wald ratio	1	0.043875686	0.297989031	0.999731116
PTPN1	Inverse variance weighted	2	0.036055128	0.192686013	0.999731116
PTPN13	Inverse variance weighted	2	1.188527463	0.802615165	0.999731116
PTPN2	Inverse variance weighted	2	-0.083016518	0.158668289	0.999731116
PTPN4	Inverse variance weighted	2	-0.021724511	0.190551609	0.999731116
PTPN9	Wald ratio	1	-0.069686411	0.285714286	0.999731116
PTPRD	Inverse variance weighted	4	0.013349918	0.168099534	0.999731116
PTPRH	Inverse variance weighted	2	0.090692144	0.232470177	0.999731116
PTPRJ	Inverse variance weighted	5	-0.29747694	0.484530896	0.999731116
PTPRR	Wald ratio	1	0.106420405	0.157431838	0.999731116
PTPRS	Inverse variance weighted	6	0.172867534	0.099656102	0.999731116
PTPRU	Inverse variance weighted	5	0.135498862	0.094711956	0.999731116
PTRH2	Inverse variance weighted	2	-0.079420623	0.17126866	0.999731116
PTS	Wald ratio	1	0.1994003	0.317841079	0.999731116
PTTG1	Wald ratio	1	-0.165364583	0.352864583	0.999731116
PTX3	Inverse variance weighted	3	-0.020929398	0.203474928	0.999731116
PURA	Inverse variance weighted	2	-0.639657698	0.325502743	0.999731116
PURB	Wald ratio	1	-0.336302895	0.369710468	0.999731116
PVR	Inverse variance weighted	2	0.239925145	0.285651144	0.999731116
PVRL1	Inverse variance weighted	2	-0.000433672	0.190767415	0.999731116
PVRL2	Inverse variance weighted	5	0.056504874	0.112710005	0.999731116
PVRL3	Inverse variance weighted	4	0.041804406	0.111200179	0.999731116
PVRL4	Wald ratio	1	-0.106457243	0.403141361	0.999731116
PXDN	Inverse variance weighted	5	0.025310451	0.094915642	0.999731116
PYCR1	Wald ratio	1	-0.225177305	0.480496454	0.999731116
PYCR2	Inverse variance weighted	6	0.028367159	0.078688841	0.999731116
PYGL	Inverse variance weighted	6	0.122856362	0.085332046	0.999731116
PYY	Inverse variance weighted	6	0.016938912	0.318723901	0.999731116
PZP	Inverse variance weighted	7	-0.277290438	0.130703184	0.999731116
QDPR	Inverse variance weighted	5	-0.26353463	0.145793647	0.999731116
QKI	Wald ratio	1	-0.220216606	0.866425993	0.999731116
QPCT	Inverse variance weighted	15	0.045364974	0.051723735	0.999731116

QPCTL	Inverse variance weighted	11	-0.019806647	0.030476775	0.999731116
QPRT	Wald ratio	1	-0.230490018	0.491833031	0.999731116
QRFP	Inverse variance weighted	2	-0.07775532	0.195667435	0.999731116
QSOX2	Inverse variance weighted	12	-0.060066336	0.034875008	0.999731116
RAB11A	Inverse variance weighted	2	-0.032035606	0.362486922	0.999731116
RAB13	Inverse variance weighted	3	0.175886453	0.222064644	0.999731116
RAB14	Inverse variance weighted	3	-0.082514664	0.232903742	0.999731116
RAB17	Inverse variance weighted	6	0.07403426	0.241279692	0.999731116
RAB18	Inverse variance weighted	2	0.096282708	0.213417044	0.999731116
RAB1A	Wald ratio	1	-1.800146951	1.362968406	0.999731116
RAB1B	Wald ratio	1	-2.080160321	1.43754175	0.999731116
RAB21	Inverse variance weighted	2	0.407830248	0.468091787	0.999731116
RAB22A	Inverse variance weighted	5	0.073858755	0.185319939	0.999731116
RAB26	Inverse variance weighted	23	0.05466706	0.049886984	0.999731116
RAB27A	Inverse variance weighted	4	-0.038816323	0.137053474	0.999731116
RAB27B	Inverse variance weighted	2	-0.002188825	0.133633809	0.999731116
RAB2A	Inverse variance weighted	2	-0.283520272	0.265030375	0.999731116
RAB2B	Wald ratio	1	-0.175172414	0.373793103	0.999731116
RAB31	Inverse variance weighted	5	-0.075737613	0.159153201	0.999731116
RAB32	Inverse variance weighted	3	0.024642126	0.247511052	0.999731116
RAB35	Inverse variance weighted	9	0.027832845	0.060953767	0.999731116
RAB39B	Inverse variance weighted	2	0.07894764	0.175749458	0.999731116
RAB3A	Inverse variance weighted	4	0.063574268	0.088855386	0.999731116
RAB3B	Wald ratio	1	0.168695652	0.47826087	0.999731116
RAB3D	Wald ratio	1	0.040733198	0.321792261	0.999731116
RAB4A	Inverse variance weighted	4	-0.033193875	0.151133631	0.999731116
RAB5A	Inverse variance weighted	3	-0.311270702	0.318856278	0.999731116
RAB5B	Wald ratio	1	-0.275045537	0.302367942	0.999731116
RAB5C	Inverse variance weighted	4	-0.223730886	0.219900878	0.999731116
RAB6B	Inverse variance weighted	5	-0.053659386	0.071620595	0.999731116
RABEPK	Inverse variance weighted	3	-0.018716725	0.093894545	0.999731116
RABIF	Inverse variance weighted	4	0.093695014	0.127904235	0.999731116
RAC2	Inverse variance weighted	3	-0.255006168	0.412733317	0.999731116
RAC3	Wald ratio	1	0.227739726	0.363013699	0.999731116
RACGAP1	Inverse variance weighted	12	-0.059998219	0.093630814	0.999731116
RAD51	Inverse variance weighted	5	-0.121295438	0.092709346	0.999731116
RAD51L3	Wald ratio	1	-0.881656805	1.021696252	0.999731116
RAET1G	Inverse variance weighted	6	0.036713385	0.065981732	0.999731116
RAF1	Inverse variance weighted	2	-0.240863066	0.389127739	0.999731116
RAG1	Wald ratio	1	0.063594821	0.065879665	0.999731116
RALA	Inverse variance weighted	2	-0.068595809	0.066591217	0.999731116
RALB	Inverse variance weighted	3	-0.049413018	0.062091946	0.999731116
RAMP3	Inverse variance weighted	2	0.008969581	0.166720065	0.999731116
RAP1GAP	Wald ratio	1	-0.184911243	0.400887574	0.999731116
RAP1GDS1	Inverse variance weighted	4	-0.190164084	0.176978226	0.999731116
RAPGEF5	Inverse variance weighted	5	0.056102082	0.084848497	0.999731116
RARRES1	Inverse variance weighted	19	0.008212715	0.02183253	0.999731116
RARRES2	Inverse variance weighted	2	0.033650654	0.099663204	0.999731116
RARRES3	Inverse variance weighted	3	0.099407892	0.082416284	0.999731116
RASA1	Inverse variance weighted	5	-0.021563668	0.092519844	0.999731116

RB1	Inverse variance weighted	3	0.02301211	0.144558296	0.999731116
RBBP5	Inverse variance weighted	2	-0.008661378	0.189243641	0.999731116
RBBP6	Inverse variance weighted	2	0.016305673	0.191281098	0.999731116
RBBP9	Inverse variance weighted	5	0.063626192	0.129964732	0.999731116
RBKS	Inverse variance weighted	2	-0.008639909	0.171059479	0.999731116
RBL2	Inverse variance weighted	8	0.012496366	0.058376349	0.999731116
RBM17	Inverse variance weighted	3	-0.057336839	0.047401945	0.999731116
RBM19	Inverse variance weighted	2	-0.195360617	0.172407487	0.999731116
RBM24	Inverse variance weighted	3	0.070227715	0.500773505	0.999731116
RBM3	Inverse variance weighted	4	-0.243044845	0.213173897	0.999731116
RBM39	Wald ratio	1	-0.284753363	0.607623318	0.999731116
RBM46	Wald ratio	1	-0.242553191	0.576595745	0.999731116
RBP1	Inverse variance weighted	4	0.115094288	0.121816148	0.999731116
RBP4	Inverse variance weighted	5	-0.02446259	0.14405315	0.999731116
RBP5	Inverse variance weighted	3	-0.000777178	0.103031544	0.999731116
RBP7	Inverse variance weighted	4	-0.082587176	0.079193334	0.999731116
RCAN1	Inverse variance weighted	6	0.074493803	0.10046545	0.999731116
RCL	Inverse variance weighted	3	-0.14612296	0.196600298	0.999731116
RCN1	Inverse variance weighted	2	-0.052587439	0.115898234	0.999731116
RCN3	Inverse variance weighted	5	-0.193456094	0.088169717	0.999731116
RCVRN	Inverse variance weighted	5	-0.080802279	0.09378132	0.999731116
RDH16	Wald ratio	1	0.225806452	0.359932088	0.999731116
RECQL	Inverse variance weighted	8	-0.081097243	0.074201494	0.999731116
REG1A	Inverse variance weighted	12	0.003786368	0.033806004	0.999731116
REG1B	Inverse variance weighted	14	0.038454387	0.049176915	0.999731116
REG3A	Inverse variance weighted	8	-0.125870252	0.106137136	0.999731116
REG3G	Inverse variance weighted	13	0.013756056	0.04879093	0.999731116
RELB	Inverse variance weighted	4	0.089845401	0.319106769	0.999731116
RELL1	Inverse variance weighted	2	-0.20872911	0.412361183	0.999731116
RELL2	Inverse variance weighted	4	0.208402509	0.126517173	0.999731116
RELT	Inverse variance weighted	4	-0.06781053	0.086004813	0.999731116
REN	Inverse variance weighted	3	0.080035034	0.102420893	0.999731116
REPIN1	Inverse variance weighted	5	0.016945845	0.129456303	0.999731116
RERG	Inverse variance weighted	3	0.01466511	0.13403171	0.999731116
RET	Inverse variance weighted	5	0.035513546	0.045659363	0.999731116
RETN	Inverse variance weighted	12	0.083997707	0.072606394	0.999731116
REXO2	Wald ratio	1	0.013064133	0.802850356	0.999731116
RFESD	Inverse variance weighted	3	0.144531533	0.112699789	0.999731116
RFFL	Wald ratio	1	-0.217094017	0.463247863	0.999731116
RFK	Inverse variance weighted	4	-0.029311289	0.143946584	0.999731116
RFNG	Inverse variance weighted	2	-0.320360427	0.364683539	0.999731116
RGMA	Inverse variance weighted	13	-0.042434108	0.078851929	0.999731116
RGMB	Inverse variance weighted	8	-0.010477962	0.082637537	0.999731116
RGS1	Inverse variance weighted	2	0.022085357	0.115201253	0.999731116
RGS18	Inverse variance weighted	3	-0.277258178	0.268191483	0.999731116
RGS19	Inverse variance weighted	4	0.107064969	0.362411799	0.999731116
RGS21	Inverse variance weighted	2	0.629256184	0.282504233	0.999731116
RGS3	Inverse variance weighted	2	0.078809434	0.177686164	0.999731116
RGS4	Inverse variance weighted	2	-0.079016448	0.153716222	0.999731116
RGS5	Inverse variance weighted	3	-0.033815959	0.119620034	0.999731116

Gene	Method	N	Beta	SE	P
RGS7	Wald ratio	1	0.238351254	0.379928315	0.999731116
RGS8	Inverse variance weighted	5	0.068318322	0.305975919	0.999731116
RHOA	Wald ratio	1	0.030120482	0.237951807	0.999731116
RHOB	Inverse variance weighted	3	0.668569282	0.355512008	0.999731116
RHOC	Inverse variance weighted	6	-0.004889708	0.083981001	0.999731116
RHOD	Inverse variance weighted	2	-0.102289235	0.154226078	0.999731116
RHOG	Inverse variance weighted	2	0.123739565	0.217887609	0.999731116
RHPN2	Inverse variance weighted	2	-0.176971766	0.255157049	0.999731116
RIC3	Inverse variance weighted	2	-0.232647135	0.275366323	0.999731116
RIPK2	Inverse variance weighted	4	-0.085844429	0.112825328	0.999731116
RIPPLY1	Inverse variance weighted	3	0.091384318	0.21665186	0.999731116
RLBP1	Wald ratio	1	0.174796748	0.22899729	0.999731116
RLN2	Inverse variance weighted	4	0.086908435	0.083819063	0.999731116
RLN3	Inverse variance weighted	4	0.048035946	0.160000264	0.999731116
RMDN1	Inverse variance weighted	8	0.046996827	0.054280965	0.999731116
RMDN3	Inverse variance weighted	2	-0.006595239	0.227399817	0.999731116
RMI1	Inverse variance weighted	2	-0.003138817	0.129646262	0.999731116
RNASE1	Inverse variance weighted	6	-0.040573021	0.066603819	0.999731116
RNASE10	Inverse variance weighted	2	0.139729912	0.220783309	0.999731116
RNASE2	Inverse variance weighted	3	-0.120764015	0.113128308	0.999731116
RNASE3	Inverse variance weighted	12	-0.04616061	0.100584589	0.999731116
RNASE4	Inverse variance weighted	2	-0.042921931	0.070496029	0.999731116
RNASE6	Inverse variance weighted	8	0.008193342	0.035502135	0.999731116
RNASET2	Inverse variance weighted	8	0.065356049	0.03822124	0.999731116
RND1	Inverse variance weighted	3	0.001315807	0.165792717	0.999731116
RNF114	Inverse variance weighted	3	0.061888257	0.21796069	0.999731116
RNF122	Inverse variance weighted	4	-0.073128563	0.113574269	0.999731116
RNF128	Inverse variance weighted	5	0.022278322	0.078205105	0.999731116
RNF13	Inverse variance weighted	4	0.04778874	0.147838191	0.999731116
RNF146	Inverse variance weighted	3	-0.317657099	0.212960119	0.999731116
RNF148	Inverse variance weighted	3	-0.010208265	0.216581012	0.999731116
RNF149	Inverse variance weighted	7	0.028734795	0.077223595	0.999731116
RNF150	Inverse variance weighted	2	-0.122652365	0.305527013	0.999731116
RNF215	Inverse variance weighted	3	-0.203498536	0.271325585	0.999731116
RNF24	Inverse variance weighted	7	-0.199981122	0.111347237	0.999731116
RNF34	Inverse variance weighted	4	0.043188729	0.117181326	0.999731116
RNF41	Wald ratio	1	0.068181818	0.201136364	0.999731116
RNF43	Inverse variance weighted	3	-0.07147584	0.09114691	0.999731116
RNF8	Inverse variance weighted	4	-0.134725827	0.172575324	0.999731116
RNGTT	Inverse variance weighted	2	0.202922417	0.426092435	0.999731116
RNPC3	Wald ratio	1	-0.01863354	0.436853002	0.999731116
RNPEP	Inverse variance weighted	4	-0.022434705	0.143331697	0.999731116
ROBLD3	Inverse variance weighted	3	0.00575505	0.2114651	0.999731116
ROBO1	Inverse variance weighted	12	-0.013509993	0.063734751	0.999731116
ROBO2	Inverse variance weighted	8	0.064336669	0.13723029	0.999731116
ROBO3	Inverse variance weighted	2	0.028942305	0.197829795	0.999731116
ROR1	Inverse variance weighted	7	-0.061731602	0.056609991	0.999731116
ROR2	Inverse variance weighted	4	0.108930642	0.080660503	0.999731116
RORB	Wald ratio	1	0.227739726	0.363013699	0.999731116
ROS1	Inverse variance weighted	3	0.071085846	0.104225942	0.999731116

RPA2	Inverse variance weighted	5	0.089267265	0.109063625	0.999731116
RPE	Wald ratio	1	0.284015852	0.207397622	0.999731116
RPIA	Inverse variance weighted	3	0.190401434	0.223872955	0.999731116
RPL12	Inverse variance weighted	2	-0.207318595	0.166450273	0.999731116
RPL30	Wald ratio	1	-0.239130435	0.239130435	0.999731116
RPN1	Inverse variance weighted	4	-0.003938596	0.036164009	0.999731116
RPP30	Inverse variance weighted	4	0.075596299	0.09646536	0.999731116
RPRD1A	Inverse variance weighted	3	-0.027176983	0.151326719	0.999731116
RPRD1B	Inverse variance weighted	4	0.095604853	0.127181545	0.999731116
RPS10	Inverse variance weighted	6	0.071317733	0.084642842	0.999731116
RPS19	Inverse variance weighted	3	-0.140074492	0.12448476	0.999731116
RPS27A	Wald ratio	1	-0.912152269	1.240849195	0.999731116
RPS3	Inverse variance weighted	2	0.166076137	0.168675522	0.999731116
RPS3A	Inverse variance weighted	3	-0.028232494	0.157052742	0.999731116
RPS4X	Inverse variance weighted	3	-0.02266311	0.090363607	0.999731116
RPS5	Inverse variance weighted	2	-0.151290229	0.152281767	0.999731116
RPS6KA1	Inverse variance weighted	13	0.002296051	0.047284453	0.999731116
RPS6KA3	Inverse variance weighted	2	-0.360877293	0.276760127	0.999731116
RPS6KA6	Wald ratio	1	-0.082304527	0.33744856	0.999731116
RPS6KB1	Inverse variance weighted	6	0.05707962	0.050645793	0.999731116
RPS7	Inverse variance weighted	4	0.065889456	0.082088612	0.999731116
RPSA	Inverse variance weighted	2	0.089784936	0.254943783	0.999731116
RQCD1	Wald ratio	1	0.137784091	0.390625	0.999731116
RRAS	Inverse variance weighted	4	-0.017050185	0.100693449	0.999731116
RRBP1	Inverse variance weighted	4	-0.145607864	0.17133878	0.999731116
RRM1	Inverse variance weighted	13	0.003309344	0.039686339	0.999731116
RRM2	Inverse variance weighted	6	0.047089157	0.075653979	0.999731116
RRM2B	Inverse variance weighted	4	-0.054366575	0.10701063	0.999731116
RS1	Wald ratio	1	-0.08583691	0.35193133	0.999731116
RSPO1	Inverse variance weighted	3	0.117303021	0.065640916	0.999731116
RSPO2	Inverse variance weighted	2	0.157031935	0.338753266	0.999731116
RSPO3	Inverse variance weighted	3	-0.060672096	0.062758887	0.999731116
RSPO4	Inverse variance weighted	4	0.045535806	0.154133539	0.999731116
RSRP1	Wald ratio	1	-0.192893401	0.458544839	0.999731116
RTF1	Wald ratio	1	0.222027972	0.473776224	0.999731116
RTN4IP1	Inverse variance weighted	2	0.054238892	0.184298419	0.999731116
RTN4R	Inverse variance weighted	6	0.105074508	0.082266221	0.999731116
RTP4	Inverse variance weighted	3	-0.165493062	0.176552478	0.999731116
RUFY1	Inverse variance weighted	4	-0.181817812	0.186504879	0.999731116
RXFP1	Inverse variance weighted	3	-0.028355046	0.139525025	0.999731116
S100A10	Inverse variance weighted	3	0.076570078	0.119739455	0.999731116
S100A11	Inverse variance weighted	6	0.034372827	0.054860828	0.999731116
S100A12	Wald ratio	1	0.055062167	0.319715808	0.999731116
S100A13	Inverse variance weighted	12	-0.062557834	0.042924142	0.999731116
S100A14	Inverse variance weighted	3	-0.077769646	0.217020912	0.999731116
S100A16	Inverse variance weighted	3	-0.37930067	0.252862565	0.999731116
S100A2	Inverse variance weighted	2	-0.203700937	0.182183553	0.999731116
S100A3	Inverse variance weighted	3	-0.034932297	0.194311961	0.999731116
S100A4	Inverse variance weighted	5	-0.234429709	0.274747085	0.999731116
S100A6	Inverse variance weighted	6	-0.069261159	0.127534859	0.999731116

S100A7	Inverse variance weighted	11	0.057766587	0.070003301	0.999731116
S100A9	Wald ratio	1	0.182555781	0.336713996	0.999731116
S100P	Inverse variance weighted	4	-0.027197868	0.181093927	0.999731116
S100Z	Wald ratio	1	0.224347826	0.300869565	0.999731116
SAA1	Inverse variance weighted	5	0.03627253	0.040546639	0.999731116
SAA2	Inverse variance weighted	11	0.063693305	0.047555007	0.999731116
SAA4	Inverse variance weighted	8	-0.004315669	0.046055314	0.999731116
SAMHD1	Inverse variance weighted	2	-0.216898436	0.315813135	0.999731116
SAP18	Wald ratio	1	-0.018907563	0.443277311	0.999731116
SAR1A	Inverse variance weighted	3	-0.015650102	0.096618322	0.999731116
SARS	Wald ratio	1	0.358567359	0.41025641	0.999731116
SAT1	Inverse variance weighted	2	0.053647791	0.286813574	0.999731116
SAT2	Inverse variance weighted	4	-0.021738692	0.1001856	0.999731116
SATB1	Inverse variance weighted	3	0.095500699	0.221562844	0.999731116
SATB2	Inverse variance weighted	5	0.037883365	0.076266461	0.999731116
SAYSD1	Inverse variance weighted	3	0.124313514	0.184674791	0.999731116
SBDS	Inverse variance weighted	3	0.005286366	0.213060576	0.999731116
SBSN	Inverse variance weighted	3	0.063106462	0.230037642	0.999731116
SCAMP5	Inverse variance weighted	4	0.052946098	0.129922083	0.999731116
SCAND1	Wald ratio	1	-0.14415437	0.307604994	0.999731116
SCARA3	Inverse variance weighted	5	0.109233072	0.273079939	0.999731116
SCARA5	Inverse variance weighted	11	0.000394041	0.049077767	0.999731116
SCARB2	Inverse variance weighted	2	0.01395775	0.228843218	0.999731116
SCARF1	Inverse variance weighted	8	-0.107440903	0.097382612	0.999731116
SCARF2	Inverse variance weighted	6	0.142074952	0.106116844	0.999731116
SCG3	Inverse variance weighted	13	-0.035808749	0.078738577	0.999731116
SCG5	Inverse variance weighted	5	-0.034174803	0.101604402	0.999731116
SCGB1A1	Inverse variance weighted	2	-0.099798712	0.134432591	0.999731116
SCGB1D2	Wald ratio	1	-0.077220077	0.316602317	0.999731116
SCGB2A1	Inverse variance weighted	3	0.050364798	0.172008896	0.999731116
SCGB3A1	Inverse variance weighted	20	0.081273753	0.086057345	0.999731116
SCGN	Inverse variance weighted	2	-0.039682999	0.574271911	0.999731116
SCMH1	Inverse variance weighted	5	0.242077746	0.423849051	0.999731116
SCN2B	Inverse variance weighted	5	-0.003467569	0.132892019	0.999731116
SCN4B	Inverse variance weighted	6	0.057535452	0.095363674	0.999731116
SCO1	Inverse variance weighted	4	0.007050994	0.098893272	0.999731116
SCO2	Wald ratio	1	0.062617408	0.122730119	0.999731116
SCP2D1	Inverse variance weighted	9	0.063157097	0.045058781	0.999731116
SCUBE1	Inverse variance weighted	9	-0.13107753	0.086207224	0.999731116
SCUBE3	Inverse variance weighted	3	0.13092177	0.136673771	0.999731116
SDC3	Inverse variance weighted	7	0.065704569	0.102031999	0.999731116
SDCBP	Inverse variance weighted	5	0.074486789	0.083348722	0.999731116
SDCBP2	Inverse variance weighted	2	0.663396845	0.544257277	0.999731116
SDF2	Inverse variance weighted	13	-0.008905702	0.05134815	0.999731116
SDF2L1	Inverse variance weighted	6	-0.186729749	0.174919489	0.999731116
SDSL	Inverse variance weighted	6	0.05799156	0.158112258	0.999731116
SEC13	Inverse variance weighted	5	0.063051978	0.098975461	0.999731116
SEC22A	Wald ratio	1	0.254132231	0.345041322	0.999731116
SEC61B	Inverse variance weighted	3	0.077421816	0.21437626	0.999731116
SEC61G	Inverse variance weighted	2	0.563140463	0.593091166	0.999731116

SECTM1	Inverse variance weighted	6	-0.009854907	0.097115357	0.999731116
SEL1L2	Inverse variance weighted	6	0.03999334	0.070190297	0.999731116
SELE	Inverse variance weighted	14	0.035049511	0.04910348	0.999731116
SELH	Inverse variance weighted	3	-0.21714194	0.182720306	0.999731116
SELL	Inverse variance weighted	12	-0.013386184	0.050078221	0.999731116
SELM	Inverse variance weighted	3	0.029734524	0.161851932	0.999731116
SELPLG	Inverse variance weighted	16	0.046225094	0.050175323	0.999731116
SEMA3A	Inverse variance weighted	2	-0.079594319	0.196056252	0.999731116
SEMA3B	Wald ratio	1	0.205414013	0.337579618	0.999731116
SEMA3C	Inverse variance weighted	4	0.059057028	0.203472851	0.999731116
SEMA3E	Inverse variance weighted	18	0.066835017	0.059701914	0.999731116
SEMA3G	Inverse variance weighted	11	0.092677526	0.100557048	0.999731116
SEMA4A	Inverse variance weighted	17	0.069207195	0.049173284	0.999731116
SEMA4B	Inverse variance weighted	4	0.046539355	0.162823326	0.999731116
SEMA4C	Inverse variance weighted	16	0.037572525	0.118974338	0.999731116
SEMA4D	Inverse variance weighted	13	-0.00088728	0.076783782	0.999731116
SEMA4F	Wald ratio	1	-0.208196721	0.444262295	0.999731116
SEMA5A	Inverse variance weighted	13	0.031389947	0.045049721	0.999731116
SEMA6A	Inverse variance weighted	9	0.021732589	0.083873634	0.999731116
SEMA6C	Inverse variance weighted	2	0.169532805	0.142893697	0.999731116
SEMA7A	Inverse variance weighted	9	-0.186325527	0.102878083	0.999731116
SEMG1	Inverse variance weighted	16	0.020855783	0.026523762	0.999731116
SEMG2	Inverse variance weighted	6	-0.303362648	0.194368546	0.999731116
SEPSECS	Inverse variance weighted	2	0.011250928	0.156107195	0.999731116
SEPW1	Inverse variance weighted	6	0.013498454	0.121197019	0.999731116
SERAC1	Inverse variance weighted	4	0.073292739	0.109589462	0.999731116
SERF1A	Inverse variance weighted	4	0.080212341	0.142492739	0.999731116
SERF2	Inverse variance weighted	3	0.07462175	0.149120221	0.999731116
SERPINA1	Inverse variance weighted	11	-0.025750263	0.058171644	0.999731116
SERPINA10	Inverse variance weighted	11	0.014811277	0.024239911	0.999731116
SERPINA11	Inverse variance weighted	9	-0.003095687	0.066156811	0.999731116
SERPINA12	Inverse variance weighted	11	0.044260579	0.027316692	0.999731116
SERPINA3	Inverse variance weighted	9	0.120006623	0.08085697	0.999731116
SERPINA4	Inverse variance weighted	7	0.032938428	0.039736133	0.999731116
SERPINA5	Inverse variance weighted	5	0.009822426	0.092812428	0.999731116
SERPINA7	Inverse variance weighted	2	0.0835731	0.139283561	0.999731116
SERPINA9	Inverse variance weighted	5	0.084750127	0.088126022	0.999731116
SERPINB13	Inverse variance weighted	3	-0.11203324	0.228601403	0.999731116
SERPINB4	Inverse variance weighted	3	0.262913225	0.341532751	0.999731116
SERPINB5	Wald ratio	1	0.074340528	0.127897682	0.999731116
SERPINB8	Inverse variance weighted	3	-0.107239734	0.33309072	0.999731116
SERPIND1	Inverse variance weighted	9	-0.015738413	0.037608794	0.999731116
SERPINE1	Inverse variance weighted	3	0.108893308	0.201009471	0.999731116
SERPINE2	Inverse variance weighted	11	0.060118178	0.040976466	0.999731116
SERPINF1	Inverse variance weighted	5	0.122062957	0.05736178	0.999731116
SERPINF2	Inverse variance weighted	6	-0.068400986	0.094717196	0.999731116
SERPING1	Inverse variance weighted	17	-0.021896154	0.098540367	0.999731116
SERPINH1	Inverse variance weighted	5	-0.052104878	0.097168026	0.999731116
SERPINI2	Inverse variance weighted	2	0.019156441	0.169404542	0.999731116
SET	Inverse variance weighted	4	-0.304853718	0.150496713	0.999731116

SETMAR	Wald ratio	1	-0.461218837	0.941828255	0.999731116
SEZ6L	Inverse variance weighted	2	-0.12208499	0.25822573	0.999731116
SEZ6L2	Wald ratio	1	0.039761431	0.314115308	0.999731116
SF1	Wald ratio	1	0.085714286	0.252857143	0.999731116
SFRP1	Inverse variance weighted	5	-0.099237764	0.072826022	0.999731116
SFRP2	Inverse variance weighted	5	-0.03149476	0.088651017	0.999731116
SFRP4	Inverse variance weighted	6	0.073416029	0.06279678	0.999731116
SFTA2	Inverse variance weighted	2	-0.185453765	0.330089	0.999731116
SFTPB	Inverse variance weighted	7	0.016985415	0.042400281	0.999731116
SFTPD	Inverse variance weighted	24	-0.036814067	0.030812806	0.999731116
SFXN5	Inverse variance weighted	3	0.088060891	0.090010841	0.999731116
SGK3	Inverse variance weighted	2	-0.530227788	0.415086082	0.999731116
SGTA	Wald ratio	1	0.03257329	0.25732899	0.999731116
SGTB	Inverse variance weighted	4	0.099787956	0.12198261	0.999731116
SH2D1A	Inverse variance weighted	2	0.045094814	0.071143693	0.999731116
SH2D1B	Inverse variance weighted	4	0.098950145	0.113742304	0.999731116
SH2D3C	Inverse variance weighted	2	-0.014805691	0.150045206	0.999731116
SH3BGRL	Inverse variance weighted	2	-0.279084499	0.37686842	0.999731116
SH3BGRL2	Inverse variance weighted	2	-0.070470345	0.137214768	0.999731116
SH3BGRL3	Inverse variance weighted	8	-0.024781876	0.030643183	0.999731116
SH3BP2	Inverse variance weighted	4	-0.003343342	0.067662926	0.999731116
SH3GL2	Inverse variance weighted	2	-0.396338734	0.211348564	0.999731116
SH3GL3	Wald ratio	1	-0.255639098	0.258646617	0.999731116
SH3GLB1	Inverse variance weighted	3	-0.133096122	0.263407238	0.999731116
SH3GLB2	Wald ratio	1	-0.203897615	0.130017452	0.999731116
SHANK3	Inverse variance weighted	9	0.051018904	0.0365408	0.999731116
SHBG	Inverse variance weighted	6	0.052568335	0.087729995	0.999731116
SHC1	Inverse variance weighted	3	-0.143590243	0.184140304	0.999731116
SHC2	Inverse variance weighted	2	0.011089673	0.238274567	0.999731116
SHC4	Wald ratio	1	0.1	0.295	0.999731116
SHH	Inverse variance weighted	3	-0.210113902	0.165198768	0.999731116
SHISA2	Inverse variance weighted	5	0.027626233	0.086491662	0.999731116
SHMT1	Inverse variance weighted	6	-0.037409135	0.060702993	0.999731116
SIAE	Inverse variance weighted	6	0.026157053	0.10848528	0.999731116
SIGIRR	Inverse variance weighted	16	-0.092903546	0.063921394	0.999731116
SIGLEC1	Wald ratio	1	-1.556127703	1.171472709	0.999731116
SIGLEC11	Inverse variance weighted	7	0.214840116	0.132344953	0.999731116
SIGLEC12	Inverse variance weighted	10	-0.022285833	0.055674194	0.999731116
SIGLEC14	Inverse variance weighted	7	-0.029850411	0.028026698	0.999731116
SIGLEC15	Inverse variance weighted	2	-0.1880316	0.261355653	0.999731116
SIGLEC5	Inverse variance weighted	4	0.001363826	0.06040588	0.999731116
SIGLEC6	Inverse variance weighted	4	-0.019477135	0.059571191	0.999731116
SIGLEC7	Inverse variance weighted	7	0.047387465	0.153924169	0.999731116
SIGLEC8	Inverse variance weighted	7	0.054151385	0.09536755	0.999731116
SIGLEC9	Inverse variance weighted	4	0.034770646	0.034519417	0.999731116
SIRPA	Inverse variance weighted	11	-0.036443445	0.03103226	0.999731116
SIRPB1	Inverse variance weighted	10	-0.008779726	0.030724152	0.999731116
SIRPB2	Wald ratio	1	-0.281596452	0.363636364	0.999731116
SIRPG	Inverse variance weighted	4	-0.029692033	0.081751235	0.999731116
SIRT2	Inverse variance weighted	7	-0.014002495	0.055381278	0.999731116

SIRT3	Inverse variance weighted	10	-0.177668255	0.113940137	0.999731116
SIRT5	Inverse variance weighted	3	0.18982478	0.194416361	0.999731116
SKIL	Inverse variance weighted	3	-0.131635955	0.150627703	0.999731116
SLAMF1	Inverse variance weighted	2	-0.837926308	0.361927374	0.999731116
SLAMF6	Inverse variance weighted	2	0.078644879	0.090745533	0.999731116
SLAMF7	Inverse variance weighted	22	0.019084636	0.037341175	0.999731116
SLAMF8	Inverse variance weighted	5	0.242753147	0.142743451	0.999731116
SLC14A1	Inverse variance weighted	4	0.056942941	0.13097729	0.999731116
SLC14A2	Inverse variance weighted	5	0.036320259	0.162746084	0.999731116
SLC16A3	Wald ratio	1	-1.948067633	1.02294686	0.999731116
SLC22A16	Inverse variance weighted	7	-0.042989188	0.062296991	0.999731116
SLC25A18	Inverse variance weighted	2	-0.064432644	0.209159713	0.999731116
SLC26A11	Inverse variance weighted	4	0.031582308	0.094528806	0.999731116
SLC26A5	Wald ratio	1	-0.211666667	0.451666667	0.999731116
SLC26A7	Wald ratio	1	-0.204667864	0.486535009	0.999731116
SLC27A2	Inverse variance weighted	2	0.033618385	0.25293601	0.999731116
SLC30A3	Inverse variance weighted	4	0.061260512	0.08535432	0.999731116
SLC30A5	Wald ratio	1	0.005518087	0.469650521	0.999731116
SLC35G2	Inverse variance weighted	11	0.040293044	0.051341869	0.999731116
SLC3A1	Inverse variance weighted	4	0.074154579	0.124415193	0.999731116
SLC3A2	Inverse variance weighted	2	0.03060457	0.23455278	0.999731116
SLC41A2	Inverse variance weighted	2	0.063943085	0.179181869	0.999731116
SLC4A8	Wald ratio	1	-0.011873351	0.278364116	0.999731116
SLC5A5	Wald ratio	1	0.690114068	0.36121673	0.999731116
SLC5A8	Inverse variance weighted	21	-0.081376113	0.046412409	0.999731116
SLC6A14	Inverse variance weighted	4	-0.045588215	0.117994954	0.999731116
SLIT1	Inverse variance weighted	2	0.265193044	0.259151058	0.999731116
SLIT2	Inverse variance weighted	7	-0.084078914	0.129854874	0.999731116
SLIT3	Inverse variance weighted	6	0.079539112	0.117768491	0.999731116
SLITRK1	Inverse variance weighted	4	0.070433818	0.146911028	0.999731116
SLITRK3	Inverse variance weighted	13	-0.126106858	0.121607561	0.999731116
SLITRK5	Inverse variance weighted	7	0.163279039	0.201394161	0.999731116
SLITRK6	Inverse variance weighted	8	-0.081688357	0.080737386	0.999731116
SLMAP	Wald ratio	1	0.022068966	0.377931034	0.999731116
SLPI	Inverse variance weighted	2	-0.043777533	0.306942641	0.999731116
SMAD1	Inverse variance weighted	6	-0.112939806	0.163720261	0.999731116
SMAD2	Wald ratio	1	0.640350877	0.89254386	0.999731116
SMAD3	Inverse variance weighted	2	0.114064483	0.312435416	0.999731116
SMAD4	Inverse variance weighted	3	-0.264281572	0.266436613	0.999731116
SMAP1	Inverse variance weighted	9	-0.038403449	0.055522798	0.999731116
SMARCC1	Inverse variance weighted	2	-0.200972049	0.303987027	0.999731116
SMC3	Wald ratio	1	0.025445293	0.201017812	0.999731116
SMCO2	Inverse variance weighted	2	0.021554336	0.168532725	0.999731116
SMEK1	Inverse variance weighted	2	-0.187632658	0.165277263	0.999731116
SMIM10	Inverse variance weighted	3	0.068017208	0.208437239	0.999731116
SMIM13	Inverse variance weighted	4	0.058889989	0.144995228	0.999731116
SMIM24	Inverse variance weighted	2	-0.022801702	0.160634377	0.999731116
SMIM9	Inverse variance weighted	7	0.09333293	0.102209671	0.999731116
SMNDC1	Inverse variance weighted	2	0.237398509	0.242344845	0.999731116
SMOC1	Inverse variance weighted	5	-0.152361246	0.160082892	0.999731116

SMOC2	Inverse variance weighted	6	0.005284746	0.050581008	0.999731116
SMPD1	Inverse variance weighted	18	-0.010097163	0.03674519	0.999731116
SMPDL3A	Inverse variance weighted	7	0.031039028	0.058630367	0.999731116
SMR3A	Wald ratio	1	-0.113392857	0.241964286	0.999731116
SMS	Inverse variance weighted	3	-0.00642291	0.191983444	0.999731116
SMTN	Wald ratio	1	2.200221239	1.053097345	0.999731116
SMURF1	Wald ratio	1	0.603644647	0.346241458	0.999731116
SMURF2	Inverse variance weighted	3	-0.010091276	0.169758926	0.999731116
SNAI2	Inverse variance weighted	3	0.072145514	0.203420753	0.999731116
SNAP25	Inverse variance weighted	6	0.089397531	0.115413659	0.999731116
SNAP29	Wald ratio	1	0.222514812	0.238314681	0.999731116
SNAPIN	Inverse variance weighted	3	0.136087238	0.15423056	0.999731116
SNCA	Inverse variance weighted	4	0.072677411	0.17618143	0.999731116
SNN	Inverse variance weighted	2	-0.079247795	0.160361094	0.999731116
SNPH	Inverse variance weighted	4	0.053146682	0.264712494	0.999731116
SNRPA	Wald ratio	1	-0.35637149	0.35637149	0.999731116
SNRPD2	Wald ratio	1	-0.163239075	0.348329049	0.999731116
SNRPD3	Inverse variance weighted	2	-0.004172227	0.176045653	0.999731116
SNRPF	Inverse variance weighted	10	0.129149274	0.076766562	0.999731116
SNRPG	Wald ratio	1	0.071729958	0.568213783	0.999731116
SNTA1	Inverse variance weighted	3	-0.159795572	0.19972882	0.999731116
SNTB1	Inverse variance weighted	3	-0.223048395	0.246611753	0.999731116
SNUPN	Inverse variance weighted	4	0.090157572	0.09172147	0.999731116
SNX1	Inverse variance weighted	6	-0.02883332	0.147121686	0.999731116
SNX17	Inverse variance weighted	2	0.106965718	0.246575951	0.999731116
SNX3	Inverse variance weighted	2	0.036694544	0.188995195	0.999731116
SNX4	Inverse variance weighted	3	-0.097264064	0.253402975	0.999731116
SNX5	Inverse variance weighted	3	-0.044363626	0.106722092	0.999731116
SNX7	Inverse variance weighted	5	-0.050643758	0.069308191	0.999731116
SNX8	Inverse variance weighted	4	0.002878242	0.233857441	0.999731116
SOCS3	Inverse variance weighted	8	-0.013437104	0.034841265	0.999731116
SOCS7	Wald ratio	1	0.104347826	0.307826087	0.999731116
SOD2	Inverse variance weighted	8	-0.018760403	0.037244251	0.999731116
SOD3	Inverse variance weighted	12	0.000188841	0.014664974	0.999731116
SORCS1	Inverse variance weighted	2	-0.751354639	0.320988875	0.999731116
SORD	Inverse variance weighted	4	0.155610973	0.187188124	0.999731116
SORT1	Inverse variance weighted	2	0.045163454	0.258240057	0.999731116
SOS1	Inverse variance weighted	2	0.032218352	0.257790791	0.999731116
SOST	Inverse variance weighted	6	-0.008374313	0.099586203	0.999731116
SOSTDC1	Inverse variance weighted	2	0.170212785	0.463355775	0.999731116
SOX2	Inverse variance weighted	2	0.312172251	0.428290621	0.999731116
SPA17	Inverse variance weighted	3	0.088100428	0.166982973	0.999731116
SPACA1	Inverse variance weighted	2	0.033629425	0.192696184	0.999731116
SPACA3	Inverse variance weighted	3	-0.124218624	0.109379148	0.999731116
SPAG11A	Inverse variance weighted	5	0.012035003	0.110685384	0.999731116
SPAG11B	Inverse variance weighted	2	0.469623127	0.713830531	0.999731116
SPARC	Inverse variance weighted	2	0.046857189	0.220513414	0.999731116
SPARCL1	Inverse variance weighted	17	-0.012248157	0.035338079	0.999731116
SPAST	Inverse variance weighted	2	0.180009094	0.336175294	0.999731116
SPATA20	Inverse variance weighted	2	0.107343546	0.075410962	0.999731116

SPATA31D4	Inverse variance weighted	3	-0.328443497	0.202460982	0.999731116
SPATA9	Inverse variance weighted	3	-0.019639135	0.084377394	0.999731116
SPDEF	Inverse variance weighted	5	0.026156946	0.076778573	0.999731116
SPG20	Wald ratio	1	0.037267081	0.25310559	0.999731116
SPG21	Inverse variance weighted	2	-0.196403303	0.230052534	0.999731116
SPHK1	Inverse variance weighted	4	-0.03222999	0.206381195	0.999731116
SPHK2	Inverse variance weighted	2	-0.083063399	0.160246112	0.999731116
SPIN1	Inverse variance weighted	4	-0.093853404	0.153256181	0.999731116
SPINK1	Wald ratio	1	-0.015004413	0.174757282	0.999731116
SPINK14	Inverse variance weighted	5	0.052177358	0.10518116	0.999731116
SPINK2	Inverse variance weighted	7	0.056823492	0.055818384	0.999731116
SPINK4	Inverse variance weighted	6	0.051014976	0.056438	0.999731116
SPINK5	Inverse variance weighted	4	0.019963352	0.102412872	0.999731116
SPINK6	Inverse variance weighted	11	0.003427254	0.020790717	0.999731116
SPINK7	Inverse variance weighted	4	0.007114891	0.088969881	0.999731116
SPINK8	Wald ratio	1	0.042477876	0.288495575	0.999731116
SPINK9	Wald ratio	1	0.118210863	0.252396166	0.999731116
SPINT1	Inverse variance weighted	10	0.040504215	0.04389917	0.999731116
SPINT2	Inverse variance weighted	6	-0.071172424	0.033468836	0.999731116
SPINT3	Inverse variance weighted	3	-0.035562052	0.068726993	0.999731116
SPN	Inverse variance weighted	2	0.109225675	0.201274986	0.999731116
SPOCK2	Inverse variance weighted	13	-0.044601793	0.065531635	0.999731116
SPOCK3	Inverse variance weighted	21	-0.040091681	0.03948892	0.999731116
SPON1	Inverse variance weighted	5	0.004917118	0.048930593	0.999731116
SPON2	Inverse variance weighted	6	-0.023190217	0.063090284	0.999731116
SPOP	Inverse variance weighted	3	-0.022008564	0.212205639	0.999731116
SPP1	Inverse variance weighted	7	-0.034479723	0.072167526	0.999731116
SPR	Inverse variance weighted	2	0.034562762	0.188350555	0.999731116
SPRED1	Inverse variance weighted	3	0.074695717	0.292974846	0.999731116
SPRN	Inverse variance weighted	3	0.000548495	0.188352062	0.999731116
SPSB1	Inverse variance weighted	3	-0.014990067	0.191706775	0.999731116
SPTAN1	Wald ratio	1	-0.140798226	0.300443459	0.999731116
SPTLC1	Inverse variance weighted	3	0.107525842	0.185013365	0.999731116
SPTLC2	Inverse variance weighted	2	-0.066051158	0.128839744	0.999731116
SRA1	Wald ratio	1	-0.316770186	0.370600414	0.999731116
SRGN	Inverse variance weighted	7	-0.146525982	0.132902779	0.999731116
SRI	Wald ratio	1	-0.215370019	0.297912713	0.999731116
SRL	Inverse variance weighted	2	0.028046044	0.104632216	0.999731116
SRP14	Inverse variance weighted	3	0.208744563	0.452972636	0.999731116
SRP19	Wald ratio	1	-0.285984848	0.314393939	0.999731116
SRXN1	Inverse variance weighted	4	0.04941342	0.066529352	0.999731116
SSB	Inverse variance weighted	2	-0.210366415	0.359085647	0.999731116
SSMEM1	Inverse variance weighted	2	-0.509295765	0.460058746	0.999731116
SSR1	Inverse variance weighted	5	-0.293081178	0.170386376	0.999731116
SSRP1	Wald ratio	1	-0.227598566	0.485663082	0.999731116
SST	Inverse variance weighted	4	-0.127770168	0.206862805	0.999731116
SSU72	Inverse variance weighted	3	-0.015855414	0.053021809	0.999731116
ST13	Wald ratio	1	-0.594235033	0.356984479	0.999731116
ST3GAL1	Inverse variance weighted	5	0.076762476	0.168124656	0.999731116
ST3GAL2	Wald ratio	1	1.662365591	0.969892473	0.999731116

ST3GAL6	Inverse variance weighted	30	0.007567035	0.046181601	0.999731116
ST6GAL1	Wald ratio	1	0.106761566	0.314946619	0.999731116
ST6GALNAC1	Inverse variance weighted	5	0.064844879	0.112692338	0.999731116
ST6GALNAC2	Inverse variance weighted	11	0.057469063	0.054484175	0.999731116
ST6GALNAC6	Inverse variance weighted	2	-0.099668121	0.252678843	0.999731116
ST8SIA2	Inverse variance weighted	2	0.136606252	0.318135233	0.999731116
ST8SIA3	Wald ratio	1	-0.28285078	0.603563474	0.999731116
ST8SIA6	Inverse variance weighted	3	0.153597185	0.216645763	0.999731116
STAB1	Inverse variance weighted	7	-0.11912022	0.167591787	0.999731116
STAB2	Inverse variance weighted	3	-0.046716304	0.085617368	0.999731116
STAMBP	Wald ratio	1	-0.65512779	0.788741508	0.999731116
STAMBPL1	Inverse variance weighted	2	-0.019877731	0.16413628	0.999731116
STAP1	Inverse variance weighted	3	0.003984519	0.381140082	0.999731116
STAR	Inverse variance weighted	3	0.135272589	0.157752294	0.999731116
STARD5	Inverse variance weighted	5	0.030575151	0.044359001	0.999731116
STAT1	Inverse variance weighted	3	-0.011283525	0.211730828	0.999731116
STAT3	Inverse variance weighted	5	-0.055583352	0.093069375	0.999731116
STAT5B	Inverse variance weighted	6	0.134257292	0.090286898	0.999731116
STAT6	Inverse variance weighted	8	0.056885275	0.093615256	0.999731116
STAU1	Inverse variance weighted	4	-0.229216627	0.150600432	0.999731116
STAU2	Inverse variance weighted	2	-0.187839308	0.217603331	0.999731116
STC1	Inverse variance weighted	7	-0.002699323	0.107080533	0.999731116
STC2	Wald ratio	1	-0.179125529	0.382228491	0.999731116
STIM1	Inverse variance weighted	9	0.010976995	0.061742694	0.999731116
STK16	Inverse variance weighted	2	-0.046345292	0.08933089	0.999731116
STK17B	Inverse variance weighted	3	-0.006509199	0.149804464	0.999731116
STMN1	Inverse variance weighted	5	0.031164587	0.125509239	0.999731116
STMN2	Wald ratio	1	-0.187713311	0.187713311	0.999731116
STMN3	Inverse variance weighted	3	-0.014164529	0.187446508	0.999731116
STOM	Wald ratio	1	-0.17862166	0.381153305	0.999731116
STOML1	Inverse variance weighted	2	0.144934463	0.093914878	0.999731116
STOML2	Inverse variance weighted	6	0.051373228	0.04828143	0.999731116
STUB1	Inverse variance weighted	3	-0.02841514	0.153244025	0.999731116
STX10	Wald ratio	1	0.123088128	0.121631464	0.999731116
STX18	Inverse variance weighted	2	0.032836886	0.232034501	0.999731116
STX1A	Inverse variance weighted	5	0.13033076	0.095087112	0.999731116
STX1B	Inverse variance weighted	3	0.144607049	0.168505786	0.999731116
STX2	Inverse variance weighted	5	0.042629192	0.086083425	0.999731116
STX6	Wald ratio	1	-0.060422961	0.247734139	0.999731116
STX7	Inverse variance weighted	2	-0.240734284	0.199109904	0.999731116
STXBP6	Inverse variance weighted	4	0.09705752	0.127120545	0.999731116
SUDS3	Inverse variance weighted	2	-0.315049739	0.381234209	0.999731116
SUFU	Inverse variance weighted	4	0.093244904	0.107688878	0.999731116
SUGT1	Wald ratio	1	0.032948929	0.26029654	0.999731116
SULF2	Inverse variance weighted	3	-0.358798999	0.172566754	0.999731116
SULT1A3	Inverse variance weighted	7	-0.141434302	0.287296882	0.999731116
SULT1B1	Inverse variance weighted	6	0.019391313	0.046880471	0.999731116
SULT1C2	Inverse variance weighted	2	-0.00577891	0.131500834	0.999731116
SULT1E1	Inverse variance weighted	2	-0.09759384	0.190042435	0.999731116
SULT2A1	Inverse variance weighted	3	-0.047124572	0.182991079	0.999731116

Gene	Method	N	Estimate	SE	P
SULT2B1	Inverse variance weighted	5	-0.0765647	0.152313633	0.999731116
SUMF1	Inverse variance weighted	10	0.034690401	0.066146652	0.999731116
SUMF2	Inverse variance weighted	3	-0.708783251	0.297548826	0.999731116
SUMO2	Wald ratio	1	0.02301496	0.181818182	0.999731116
SUMO3	Wald ratio	1	0.293209877	0.25	0.999731116
SUN5	Inverse variance weighted	5	0.176892211	0.190547689	0.999731116
SUOX	Inverse variance weighted	4	-0.004391595	0.162614615	0.999731116
SURF1	Inverse variance weighted	13	-0.023070869	0.0327269	0.999731116
SUSD1	Wald ratio	1	-0.217465753	0.464041096	0.999731116
SUSD3	Inverse variance weighted	2	0.021429977	0.235726509	0.999731116
SUV420H2	Inverse variance weighted	2	0.075376978	0.182937456	0.999731116
SVEP1	Inverse variance weighted	13	-0.053645364	0.051927094	0.999731116
SVIP	Inverse variance weighted	3	0.069467431	0.112772356	0.999731116
SWAP70	Inverse variance weighted	9	-0.013200163	0.028380416	0.999731116
SYK	Inverse variance weighted	2	-0.332170631	0.25548808	0.999731116
SYN3	Inverse variance weighted	3	-0.358345644	0.211463866	0.999731116
SYNCRIP	Inverse variance weighted	4	-0.011220312	0.095772451	0.999731116
SYNE2	Inverse variance weighted	2	-0.019367529	0.218547836	0.999731116
SYNGR3	Wald ratio	1	-0.167989418	0.358465608	0.999731116
SYNJ2BP	Inverse variance weighted	3	0.089670709	0.197930036	0.999731116
SYT11	Inverse variance weighted	4	0.13789688	0.197650576	0.999731116
SYT17	Wald ratio	1	-0.206896552	0.491833031	0.999731116
SYT2	Inverse variance weighted	3	-0.354328825	0.241530793	0.999731116
SYT4	Wald ratio	1	0.202743902	0.323170732	0.999731116
SYT5	Inverse variance weighted	2	-0.170622514	0.303252303	0.999731116
SYT7	Inverse variance weighted	2	-0.003156306	0.234148331	0.999731116
SYT8	Inverse variance weighted	3	0.050116517	0.186888306	0.999731116
SYT9	Inverse variance weighted	2	-0.564129243	0.250092848	0.999731116
SYTL1	Inverse variance weighted	2	0.078954375	0.224924111	0.999731116
SYTL4	Inverse variance weighted	3	-0.126792538	0.203618199	0.999731116
TAC1	Inverse variance weighted	4	-0.030982287	0.107626667	0.999731116
TAC4	Inverse variance weighted	5	0.018491389	0.175188632	0.999731116
TACSTD2	Inverse variance weighted	3	0.059261459	0.271848928	0.999731116
TAF10	Inverse variance weighted	8	0.02823425	0.055036747	0.999731116
TAF15	Inverse variance weighted	2	0.098810038	0.2771958	0.999731116
TAGLN	Inverse variance weighted	2	-0.009566929	0.248425794	0.999731116
TAGLN2	Wald ratio	1	-0.389795918	0.340816327	0.999731116
TAGLN3	Wald ratio	1	-0.223591549	0.477112676	0.999731116
TALDO1	Wald ratio	1	-0.26284585	0.625	0.999731116
TANK	Wald ratio	1	0.059782609	0.369565217	0.999731116
TAPBPL	Inverse variance weighted	11	0.032662726	0.044980183	0.999731116
TARDBP	Inverse variance weighted	2	0.103718617	0.220475074	0.999731116
TARS	Inverse variance weighted	2	-0.55086534	0.266983044	0.999731116
TAX1BP1	Inverse variance weighted	2	-0.34538681	0.361588931	0.999731116
TAX1BP3	Inverse variance weighted	2	-0.428066857	0.338816354	0.999731116
TBC1D5	Inverse variance weighted	2	-0.355236925	0.340613189	0.999731116
TBCA	Inverse variance weighted	6	0.063623675	0.092710339	0.999731116
TBCB	Inverse variance weighted	2	-0.016758515	0.241605046	0.999731116
TBCE	Inverse variance weighted	2	-0.073101751	0.138766357	0.999731116
TBL2	Wald ratio	1	-0.253846154	0.253846154	0.999731116

TBP	Wald ratio	1	-0.205834684	0.439222042	0.999731116
TBPL1	Inverse variance weighted	4	-0.122978275	0.171339116	0.999731116
TBX22	Wald ratio	1	-0.082987552	0.340248963	0.999731116
TBX3	Wald ratio	1	-0.249452954	0.592997812	0.999731116
TBX5	Wald ratio	1	-0.079840319	0.327345309	0.999731116
TBXAS1	Inverse variance weighted	5	-0.216257294	0.140013809	0.999731116
TCEA1	Wald ratio	1	-0.138004246	0.341825902	0.999731116
TCEA2	Inverse variance weighted	2	0.146119375	0.117527502	0.999731116
TCEAL3	Wald ratio	1	-0.272532189	0.581545064	0.999731116
TCEAL8	Inverse variance weighted	4	0.10477508	0.13079304	0.999731116
TCF4	Wald ratio	1	0.198770492	0.321721311	0.999731116
TCL1A	Inverse variance weighted	7	-0.254511737	0.106704297	0.999731116
TCL1B	Inverse variance weighted	3	0.064336267	0.16270175	0.999731116
TCN1	Inverse variance weighted	10	-0.003453112	0.075299425	0.999731116
TCN2	Inverse variance weighted	25	-0.031118234	0.040794889	0.999731116
TCP1	Inverse variance weighted	2	-0.535040551	0.310295289	0.999731116
TCP11	Inverse variance weighted	10	0.072354017	0.066427915	0.999731116
TCTN2	Inverse variance weighted	3	0.038918983	0.064754404	0.999731116
TDGF1	Inverse variance weighted	20	-0.036008344	0.029316209	0.999731116
TDO2	Inverse variance weighted	13	-0.048531686	0.080008828	0.999731116
TDP1	Inverse variance weighted	3	-0.056465769	0.26621724	0.999731116
TEAD4	Inverse variance weighted	2	0.101042181	0.236165916	0.999731116
TEC	Inverse variance weighted	4	-0.322156663	0.189793806	0.999731116
TENM2	Inverse variance weighted	2	-0.23697846	0.303341596	0.999731116
TERF1	Wald ratio	1	-0.178125	0.4234375	0.999731116
TES	Inverse variance weighted	2	-0.143582231	0.383651401	0.999731116
TESC	Inverse variance weighted	8	-0.069425705	0.044023649	0.999731116
TEX29	Inverse variance weighted	4	0.039111566	0.040006963	0.999731116
TF	Wald ratio	1	-0.133700896	0.10889042	0.999731116
TFF1	Inverse variance weighted	9	-0.240122326	0.24397188	0.999731116
TFF2	Inverse variance weighted	5	-0.338115862	0.643416825	0.999731116
TFF3	Inverse variance weighted	6	0.096845104	0.063257566	0.999731116
TFIP11	Inverse variance weighted	3	0.071285097	0.10252151	0.999731116
TFPI	Inverse variance weighted	7	0.131060576	0.111423665	0.999731116
TFPI2	Inverse variance weighted	8	0.049300688	0.086585233	0.999731116
TFR2	Inverse variance weighted	3	-0.198505151	0.318562673	0.999731116
TFRC	Inverse variance weighted	16	-0.015816537	0.046165822	0.999731116
TG	Inverse variance weighted	5	0.033546915	0.086864967	0.999731116
TGFB1	Inverse variance weighted	4	0.002214108	0.138455855	0.999731116
TGFB2	Wald ratio	1	0.632716049	0.698045267	0.999731116
TGFB3	Inverse variance weighted	2	0.019494735	0.213515954	0.999731116
TGFBI	Inverse variance weighted	10	-0.010317924	0.037753017	0.999731116
TGFBR2	Inverse variance weighted	3	-0.010424569	0.143693451	0.999731116
TGFBR3	Inverse variance weighted	8	0.021279838	0.095337557	0.999731116
TGM2	Wald ratio	1	-2.314670446	1.097802977	0.999731116
TGM3	Inverse variance weighted	11	0.110956792	0.064305522	0.999731116
TGM4	Inverse variance weighted	3	0.097336165	0.215987155	0.999731116
THBS1	Inverse variance weighted	4	0.083420295	0.106362658	0.999731116
THBS2	Inverse variance weighted	8	0.011421894	0.054179136	0.999731116
THBS3	Inverse variance weighted	6	0.356757923	0.206378012	0.999731116

THBS4	Inverse variance weighted	5	-0.140160653	0.113290053	0.999731116
THG1L	Inverse variance weighted	4	-0.013863626	0.082239916	0.999731116
THOC1	Inverse variance weighted	4	-0.033009562	0.160131394	0.999731116
THPO	Inverse variance weighted	7	-0.015798973	0.068606189	0.999731116
THRA	Inverse variance weighted	2	0.104277341	0.244079313	0.999731116
THSD7A	Inverse variance weighted	4	0.164412643	0.09553496	0.999731116
THTPA	Inverse variance weighted	4	0.044983787	0.092776389	0.999731116
THYN1	Wald ratio	1	0.633173844	0.926634769	0.999731116
TIAL1	Inverse variance weighted	3	-0.208889815	0.285096621	0.999731116
TIAM1	Wald ratio	1	-0.047952048	0.213786214	0.999731116
TICAM2	Inverse variance weighted	2	1.083604959	0.866295224	0.999731116
TIE1	Inverse variance weighted	10	0.028979793	0.024234768	0.999731116
TIGIT	Inverse variance weighted	6	0.148877575	0.087155217	0.999731116
TIMD4	Inverse variance weighted	14	-0.059072891	0.111575996	0.999731116
TIMELESS	Wald ratio	1	-0.210264901	0.448675497	0.999731116
TIMM21	Wald ratio	1	-0.226190476	0.537698413	0.999731116
TIMM50	Inverse variance weighted	2	-0.12285185	0.245194368	0.999731116
TIMM8A	Inverse variance weighted	3	-0.013406121	0.227691482	0.999731116
TIMP1	Inverse variance weighted	3	-0.023128432	0.115147654	0.999731116
TIMP2	Inverse variance weighted	6	0.185593716	0.124644651	0.999731116
TIMP3	Inverse variance weighted	14	-0.025249517	0.025402779	0.999731116
TINAGL1	Inverse variance weighted	8	-0.223901284	0.115189875	0.999731116
TIRAP	Inverse variance weighted	5	-0.18956344	0.137238107	0.999731116
TJP1	Inverse variance weighted	4	0.103774958	0.123505503	0.999731116
TK1	Inverse variance weighted	4	-0.168503828	0.156761165	0.999731116
TK2	Wald ratio	1	0.141304348	0.129658385	0.999731116
TLL1	Inverse variance weighted	5	-0.016800891	0.041043313	0.999731116
TLN2	Wald ratio	1	0.064139942	0.396501458	0.999731116
TLR1	Inverse variance weighted	9	0.066732101	0.101004337	0.999731116
TLR2	Inverse variance weighted	3	-0.02998099	0.415802479	0.999731116
TLR3	Inverse variance weighted	8	0.069568699	0.036633632	0.999731116
TLR5	Inverse variance weighted	14	-0.020127372	0.036713669	0.999731116
TMCC3	Inverse variance weighted	4	-0.08421257	0.07492192	0.999731116
TMCO5A	Wald ratio	1	-0.276688453	0.590413943	0.999731116
TMED10	Inverse variance weighted	9	-0.018542668	0.064846639	0.999731116
TMED2	Inverse variance weighted	2	-0.256453518	0.376749594	0.999731116
TMED4	Wald ratio	1	-0.218213058	0.465635739	0.999731116
TMEFF1	Inverse variance weighted	2	0.113295383	0.154578022	0.999731116
TMEM106A	Inverse variance weighted	4	-0.137792784	0.149464159	0.999731116
TMEM106B	Wald ratio	1	-0.15468114	0.36770692	0.999731116
TMEM119	Inverse variance weighted	2	0.162487822	0.228752794	0.999731116
TMEM132A	Inverse variance weighted	10	0.211859763	0.131725489	0.999731116
TMEM132B	Inverse variance weighted	9	-0.090610679	0.071021815	0.999731116
TMEM132C	Inverse variance weighted	11	-0.065567183	0.066569629	0.999731116
TMEM132D	Inverse variance weighted	12	-0.000883856	0.045960716	0.999731116
TMEM154	Inverse variance weighted	2	0.103205248	0.157569206	0.999731116
TMEM167B	Wald ratio	1	-0.184861718	0.394468705	0.999731116
TMEM185A	Inverse variance weighted	5	-0.033168521	0.099713619	0.999731116
TMEM190	Inverse variance weighted	5	-0.009882315	0.036813821	0.999731116
TMEM2	Inverse variance weighted	4	-0.15659908	0.167650782	0.999731116

TMEM230	Inverse variance weighted	2	-0.057982513	0.174568299	0.999731116
TMEM234	Wald ratio	1	-0.177374302	0.37849162	0.999731116
TMEM52B	Inverse variance weighted	5	0.102662473	0.123665971	0.999731116
TMEM57	Wald ratio	1	-0.455445545	1.254125413	0.999731116
TMEM59L	Inverse variance weighted	5	0.088827063	0.09932317	0.999731116
TMEM70	Inverse variance weighted	7	0.101481632	0.148266113	0.999731116
TMEM87B	Wald ratio	1	0.412578616	0.25408805	0.999731116
TMEM9	Inverse variance weighted	12	-0.012198136	0.045218406	0.999731116
TMPO	Wald ratio	1	-1.037562604	0.96327212	0.999731116
TMPRSS11B	Wald ratio	1	-0.074766355	0.306542056	0.999731116
TMPRSS11D	Inverse variance weighted	5	0.030812576	0.108521992	0.999731116
TMPRSS15	Inverse variance weighted	2	-0.04259199	0.168266349	0.999731116
TMPRSS5	Inverse variance weighted	2	-0.100091637	0.194570511	0.999731116
TMPRSS6	Inverse variance weighted	21	0.018685766	0.042980582	0.999731116
TMUB2	Wald ratio	1	-0.262939959	0.561076605	0.999731116
TMX2	Inverse variance weighted	4	0.087727533	0.377150072	0.999731116
TMX3	Inverse variance weighted	11	-0.042605208	0.119337723	0.999731116
TNC	Inverse variance weighted	20	0.051169078	0.063015712	0.999731116
TNF	Inverse variance weighted	2	-0.669845293	0.865249049	0.999731116
TNFAIP3	Inverse variance weighted	2	0.174446425	0.074782805	0.999731116
TNFAIP6	Inverse variance weighted	20	-0.035837073	0.035444439	0.999731116
TNFAIP8	Inverse variance weighted	2	-0.108997394	0.231180339	0.999731116
TNFRSF10A	Wald ratio	1	-0.211314476	0.450915141	0.999731116
TNFRSF10B	Inverse variance weighted	2	0.02486809	0.095743531	0.999731116
TNFRSF10D	Inverse variance weighted	4	-0.108560962	0.099819811	0.999731116
TNFRSF11B	Inverse variance weighted	11	-0.122231479	0.088399645	0.999731116
TNFRSF13B	Inverse variance weighted	2	-0.009188053	0.139873559	0.999731116
TNFRSF13C	Inverse variance weighted	5	0.02859591	0.08120353	0.999731116
TNFRSF14	Wald ratio	1	-0.128672746	0.274569402	0.999731116
TNFRSF17	Inverse variance weighted	5	0.042363893	0.091074829	0.999731116
TNFRSF18	Inverse variance weighted	3	0.052877669	0.118652245	0.999731116
TNFRSF19	Inverse variance weighted	2	-0.242719028	0.172421307	0.999731116
TNFRSF1A	Inverse variance weighted	4	0.116103573	0.163877889	0.999731116
TNFRSF1B	Inverse variance weighted	8	-0.004607445	0.083929165	0.999731116
TNFRSF21	Inverse variance weighted	9	-0.014593701	0.108974487	0.999731116
TNFRSF4	Wald ratio	1	0.101694915	0.3	0.999731116
TNFRSF6B	Inverse variance weighted	2	0.018564775	0.258632659	0.999731116
TNFRSF8	Inverse variance weighted	4	-0.010744259	0.140528068	0.999731116
TNFRSF9	Inverse variance weighted	2	0.06180403	0.263418503	0.999731116
TNFSF10	Inverse variance weighted	4	0.088236022	0.140656913	0.999731116
TNFSF11	Inverse variance weighted	4	-0.01169078	0.176157812	0.999731116
TNFSF12	Inverse variance weighted	5	0.066874836	0.210607554	0.999731116
TNFSF13B	Inverse variance weighted	4	0.107197504	0.158963827	0.999731116
TNFSF14	Inverse variance weighted	6	0.053464366	0.083358967	0.999731116
TNFSF15	Wald ratio	1	0.2	0.229090909	0.999731116
TNFSF18	Inverse variance weighted	3	-0.164126877	0.182623752	0.999731116
TNFSF4	Wald ratio	1	-0.145977011	0.311494253	0.999731116
TNFSF8	Inverse variance weighted	9	0.052663827	0.072767175	0.999731116
TNFSF9	Wald ratio	1	-0.244230769	0.521153846	0.999731116
TNKS	Inverse variance weighted	2	0.022072165	0.258302799	0.999731116

TNMD	Inverse variance weighted	4	0.094035469	0.113231124	0.999731116
TNNI2	Inverse variance weighted	5	-0.38027609	0.172820175	0.999731116
TNNI3	Wald ratio	1	-1.05031091	0.836630865	0.999731116
TNNT2	Inverse variance weighted	2	-0.059873181	0.176752859	0.999731116
TNNT3	Inverse variance weighted	6	0.139063426	0.094687613	0.999731116
TNR	Inverse variance weighted	3	0.204269995	0.605043567	0.999731116
TNRC6B	Wald ratio	1	-0.266247379	0.568134172	0.999731116
TNS2	Wald ratio	1	0.090439276	0.390180879	0.999731116
TNS4	Inverse variance weighted	4	0.041495003	0.077275911	0.999731116
TNXB	Inverse variance weighted	26	0.063851898	0.049156685	0.999731116
TOLLIP	Inverse variance weighted	2	-0.85407534	0.360264027	0.999731116
TOM1L1	Inverse variance weighted	5	0.036112947	0.129879763	0.999731116
TOM1L2	Inverse variance weighted	12	0.026919178	0.055475534	0.999731116
TOMM20L	Inverse variance weighted	4	0.073072575	0.34715711	0.999731116
TOP1	Wald ratio	1	-0.138797814	0.296174863	0.999731116
TOPBP1	Inverse variance weighted	2	-0.104367476	0.240041805	0.999731116
TOR1AIP1	Inverse variance weighted	16	0.011991059	0.047147201	0.999731116
TOR4A	Inverse variance weighted	2	0.021847865	0.247367515	0.999731116
TOX3	Wald ratio	1	0.728522337	0.454753723	0.999731116
TP53	Inverse variance weighted	11	-0.079607129	0.092063732	0.999731116
TP53I11	Inverse variance weighted	11	0.101982109	0.072367193	0.999731116
TP53I13	Inverse variance weighted	2	-0.050606406	0.154633281	0.999731116
TP53I3	Inverse variance weighted	11	0.01502886	0.086960973	0.999731116
TPD52L1	Inverse variance weighted	2	-0.011524895	0.126844021	0.999731116
TPM1	Inverse variance weighted	2	-0.202971606	0.424774247	0.999731116
TPM2	Inverse variance weighted	8	-0.036070428	0.087908968	0.999731116
TPM4	Wald ratio	1	-0.290983607	0.754098361	0.999731116
TPMT	Inverse variance weighted	6	-0.026497492	0.101633275	0.999731116
TPO	Inverse variance weighted	4	0.008685287	0.107740385	0.999731116
TPP1	Inverse variance weighted	11	-0.081163737	0.0888599	0.999731116
TPPP2	Inverse variance weighted	5	0.09875249	0.18734085	0.999731116
TPRKB	Inverse variance weighted	4	-0.033114134	0.200235176	0.999731116
TPSAB1	Inverse variance weighted	28	0.021084549	0.019585132	0.999731116
TPSB2	Inverse variance weighted	22	0.073523467	0.039537895	0.999731116
TPSG1	Wald ratio	1	-0.183261183	0.391053391	0.999731116
TPST1	Inverse variance weighted	14	-0.03666262	0.036294031	0.999731116
TPST2	Inverse variance weighted	5	0.162214832	0.096282409	0.999731116
TPT1	Wald ratio	1	0.024449878	0.193154034	0.999731116
TRABD	Inverse variance weighted	2	-0.010522342	0.179726066	0.999731116
TRABD2A	Wald ratio	1	0.033426184	0.227019499	0.999731116
TRADD	Inverse variance weighted	7	0.003551072	0.076435993	0.999731116
TRAF1	Inverse variance weighted	4	-0.002366724	0.087443804	0.999731116
TRAF4	Wald ratio	1	0.169211196	0.269720102	0.999731116
TRAPPC3	Inverse variance weighted	10	-0.004821977	0.082843008	0.999731116
TRAPPC5	Inverse variance weighted	4	0.05216634	0.128623503	0.999731116
TRAT1	Inverse variance weighted	3	-0.000293758	0.135946537	0.999731116
TRDMT1	Inverse variance weighted	2	0.017151816	0.054272624	0.999731116
TREM1	Inverse variance weighted	3	0.182982216	0.237109559	0.999731116
TREM2	Inverse variance weighted	29	0.002698553	0.02797396	0.999731116
TREML1	Inverse variance weighted	8	0.063065754	0.090618432	0.999731116

TREML2	Inverse variance weighted	7	-0.017251682	0.032317395	0.999731116
TREX2	Wald ratio	1	0.089488636	1.025568182	0.999731116
TRH	Wald ratio	1	0.820927724	1.049622438	0.999731116
TRIAP1	Inverse variance weighted	2	0.086332964	0.116905189	0.999731116
TRIB2	Wald ratio	1	0.228915663	0.364888124	0.999731116
TRIL	Inverse variance weighted	7	0.062821087	0.062297797	0.999731116
TRIM3	Wald ratio	1	-0.461538462	0.380566802	0.999731116
TRIP10	Wald ratio	1	0.194444444	0.335470085	0.999731116
TSG101	Inverse variance weighted	3	-0.116132373	0.14929721	0.999731116
TSLP	Wald ratio	1	-0.264583333	0.564583333	0.999731116
TSNARE1	Inverse variance weighted	6	0.014743749	0.1129376	0.999731116
TSPEAR	Inverse variance weighted	4	0.066723502	0.090888319	0.999731116
TSR3	Inverse variance weighted	5	0.038383359	0.137467098	0.999731116
TSSC4	Wald ratio	1	-0.319695528	0.254043768	0.999731116
TSSK2	Wald ratio	1	-0.158156912	0.337484433	0.999731116
TST	Inverse variance weighted	12	0.003020559	0.053874263	0.999731116
TSTA3	Wald ratio	1	-0.068376068	0.28034188	0.999731116
TSTD1	Inverse variance weighted	7	-0.000759861	0.079601232	0.999731116
TTC1	Inverse variance weighted	2	-0.179260208	0.305038214	0.999731116
TTC17	Inverse variance weighted	2	-0.1952317	0.312036221	0.999731116
TTC9B	Inverse variance weighted	5	0.040881987	0.080684775	0.999731116
TTL	Inverse variance weighted	2	-0.21067037	0.33837591	0.999731116
TUFT1	Inverse variance weighted	4	0.181146821	0.166431613	0.999731116
TWSG1	Inverse variance weighted	4	-0.392549057	0.229690596	0.999731116
TXLNA	Inverse variance weighted	4	-0.255078619	0.212887808	0.999731116
TXN	Wald ratio	1	-0.188429752	0.447933884	0.999731116
TXNDC11	Wald ratio	1	-0.192424242	0.410606061	0.999731116
TXNDC12	Wald ratio	1	0.414814815	0.597530864	0.999731116
TXNDC5	Inverse variance weighted	9	0.001966756	0.123685586	0.999731116
TXNIP	Inverse variance weighted	3	0.085171255	0.512458182	0.999731116
TXNL4B	Inverse variance weighted	4	0.235547259	0.165288245	0.999731116
TXNRD1	Wald ratio	1	0.04130809	0.280550775	0.999731116
TYK2	Inverse variance weighted	2	0.058872639	0.212014143	0.999731116
TYMS	Inverse variance weighted	2	-0.196108275	0.475487412	0.999731116
TYMSOS	Wald ratio	1	-0.247563353	0.528265107	0.999731116
TYRO3	Inverse variance weighted	7	0.01158586	0.081926221	0.999731116
UAP1	Wald ratio	1	-0.272331155	0.590413943	0.999731116
UBA2	Inverse variance weighted	2	-0.06152923	0.515228591	0.999731116
UBASH3B	Wald ratio	1	0.100507614	0.165482234	0.999731116
UBB	Inverse variance weighted	5	0.111765803	0.137556167	0.999731116
UBC	Inverse variance weighted	2	-0.567231717	0.303511941	0.999731116
UBD	Inverse variance weighted	3	0.012327338	0.112813362	0.999731116
UBE2A	Inverse variance weighted	3	-0.005979066	0.11504199	0.999731116
UBE2B	Wald ratio	1	-0.169559413	0.361815754	0.999731116
UBE2C	Wald ratio	1	0.040727273	0.114909091	0.999731116
UBE2D1	Inverse variance weighted	6	0.058491059	0.069233781	0.999731116
UBE2D2	Inverse variance weighted	6	0.07739502	0.055096441	0.999731116
UBE2D3	Inverse variance weighted	3	0.149793184	0.144744822	0.999731116
UBE2E1	Inverse variance weighted	3	-0.069278548	0.127564364	0.999731116
UBE2F	Inverse variance weighted	3	-0.229640291	0.228363831	0.999731116

UBE2G1	Inverse variance weighted	2	-0.003339609	0.141180058	0.999731116
UBE2G2	Inverse variance weighted	4	0.043750338	0.09242915	0.999731116
UBE2J1	Wald ratio	1	-0.295392954	0.158084914	0.999731116
UBE2K	Wald ratio	1	0.043103448	0.340517241	0.999731116
UBE2L3	Wald ratio	1	0.0390625	0.30859375	0.999731116
UBE2L6	Wald ratio	1	0.210776545	0.335974643	0.999731116
UBE2M	Inverse variance weighted	2	0.200972001	0.14964585	0.999731116
UBE2S	Wald ratio	1	0.039447732	0.311637081	0.999731116
UBE2T	Inverse variance weighted	2	0.102019038	0.234935512	0.999731116
UBE2V1	Wald ratio	1	-0.344467641	0.344467641	0.999731116
UBE3A	Wald ratio	1	-0.330661323	0.330661323	0.999731116
UBLCP1	Inverse variance weighted	9	-0.063516277	0.113167633	0.999731116
UBQLN2	Inverse variance weighted	2	-0.224623028	0.352306942	0.999731116
UBQLN4	Wald ratio	1	-0.313688213	0.313688213	0.999731116
UBXN2B	Inverse variance weighted	2	0.070625937	0.253514725	0.999731116
UBXN4	Inverse variance weighted	3	0.072380249	0.198154552	0.999731116
UCHL1	Inverse variance weighted	7	0.11675361	0.16568632	0.999731116
UCK2	Wald ratio	1	0.153579677	0.244803695	0.999731116
UCMA	Inverse variance weighted	6	0.078672674	0.141021787	0.999731116
UFC1	Inverse variance weighted	2	-0.528663063	0.260619487	0.999731116
UFM1	Wald ratio	1	0.035906643	0.283662478	0.999731116
UGDH	Inverse variance weighted	4	0.100544842	0.052831245	0.999731116
UGT1A1	Inverse variance weighted	6	-0.026258015	0.072453567	0.999731116
UGT1A6	Inverse variance weighted	7	0.126946311	0.099280636	0.999731116
UGT1A8	Inverse variance weighted	3	0.02103548	0.409095961	0.999731116
UGT2A1	Inverse variance weighted	6	0.133727672	0.109877461	0.999731116
ULBP1	Inverse variance weighted	2	-0.036129091	0.207838576	0.999731116
ULK3	Wald ratio	1	0.107019563	0.192174914	0.999731116
UMOD	Inverse variance weighted	27	0.012381017	0.033667751	0.999731116
UMODL1	Inverse variance weighted	2	-0.014765757	0.17889788	0.999731116
UNC13A	Wald ratio	1	-0.173515982	0.412480974	0.999731116
UNC45A	Inverse variance weighted	5	-0.154352469	0.204481993	0.999731116
UNC5B	Inverse variance weighted	12	-0.030433254	0.060944898	0.999731116
UNC5C	Inverse variance weighted	6	-0.035532101	0.090861796	0.999731116
UNC5D	Inverse variance weighted	6	0.000840871	0.11929282	0.999731116
UPK3BL	Inverse variance weighted	9	0.018348539	0.069492797	0.999731116
UPP1	Wald ratio	1	-0.01988401	0.135874068	0.999731116
UQCRB	Inverse variance weighted	3	0.042618758	0.130822104	0.999731116
UROD	Inverse variance weighted	3	-0.064777874	0.076600555	0.999731116
UROS	Inverse variance weighted	4	-0.098128562	0.074423463	0.999731116
USH1C	Inverse variance weighted	2	0.002445099	0.120705386	0.999731116
USP15	Inverse variance weighted	2	-0.139223418	0.341059929	0.999731116
USP21	Wald ratio	1	-0.049566295	0.203221809	0.999731116
USP25	Inverse variance weighted	7	-0.066566649	0.048353774	0.999731116
USP28	Wald ratio	1	-0.1984375	0.4234375	0.999731116
USP8	Inverse variance weighted	4	0.027545856	0.193835613	0.999731116
UST	Inverse variance weighted	7	-0.017652169	0.061592568	0.999731116
UTS2	Inverse variance weighted	7	0.011105959	0.056071051	0.999731116
UTS2R	Inverse variance weighted	3	0.186171722	0.241215375	0.999731116
UXS1	Inverse variance weighted	7	-0.048079257	0.162143323	0.999731116

VAMP1	Wald ratio	1	-0.272532189	0.581545064	0.999731116
VAMP2	Wald ratio	1	0.556791104	1.046862589	0.999731116
VAMP3	Inverse variance weighted	2	0.158868435	0.319037885	0.999731116
VAMP4	Wald ratio	1	-0.193597561	0.413109756	0.999731116
VAMP7	Inverse variance weighted	2	-0.080072444	0.479835965	0.999731116
VAMP8	Inverse variance weighted	4	0.020777161	0.185570961	0.999731116
VAPA	Wald ratio	1	0.027118644	0.46440678	0.999731116
VARS	Inverse variance weighted	9	0.062839939	0.080370655	0.999731116
VASN	Inverse variance weighted	8	-0.068553504	0.11594112	0.999731116
VASP	Wald ratio	1	0.632034632	0.880952381	0.999731116
VAT1	Inverse variance weighted	2	-0.101439139	0.128424302	0.999731116
VAV1	Inverse variance weighted	2	-0.27583015	0.404107665	0.999731116
VAV3	Inverse variance weighted	4	-0.069691185	0.250932167	0.999731116
VCAM1	Inverse variance weighted	7	-0.191551697	0.124596909	0.999731116
VCAN	Wald ratio	1	-0.237827715	0.507490637	0.999731116
VDR	Inverse variance weighted	4	0.038049187	0.100426751	0.999731116
VEGFA	Inverse variance weighted	17	-0.031794479	0.028621849	0.999731116
VEGFB	Wald ratio	1	-0.198757764	0.254658385	0.999731116
VEGFC	Wald ratio	1	0.249752475	0.361138614	0.999731116
VHL	Inverse variance weighted	2	0.168124998	0.371082354	0.999731116
VIMP	Inverse variance weighted	3	-0.13573761	0.222674954	0.999731116
VIP	Wald ratio	1	-0.773584906	0.371069182	0.999731116
VIT	Inverse variance weighted	10	-0.040312667	0.040972521	0.999731116
VLDLR	Inverse variance weighted	6	0.037868013	0.065415229	0.999731116
VNN2	Inverse variance weighted	16	-0.049987292	0.029546309	0.999731116
VPS24	Wald ratio	1	0.196721311	0.321721311	0.999731116
VPS25	Inverse variance weighted	2	0.437986557	0.29590462	0.999731116
VPS26A	Inverse variance weighted	7	0.01411465	0.084726799	0.999731116
VPS28	Inverse variance weighted	10	-0.032796825	0.059049331	0.999731116
VPS29	Inverse variance weighted	13	0.041385601	0.025093136	0.999731116
VPS4B	Inverse variance weighted	2	-0.200859727	0.323038223	0.999731116
VRK1	Wald ratio	1	0.096	0.2832	0.999731116
VSIG1	Inverse variance weighted	2	-0.020743864	0.268143949	0.999731116
VSIG10	Wald ratio	1	-0.484909457	0.336016097	0.999731116
VSIG2	Inverse variance weighted	7	0.151825374	0.123746368	0.999731116
VSTM2L	Inverse variance weighted	2	0.001591607	0.175152284	0.999731116
VSTM4	Inverse variance weighted	4	-0.038274511	0.094116487	0.999731116
VTA1	Inverse variance weighted	2	-0.002004836	0.240935448	0.999731116
VTI1A	Inverse variance weighted	2	-0.100454226	0.33554104	0.999731116
VTI1B	Inverse variance weighted	2	-0.156598114	0.277049606	0.999731116
VTN	Inverse variance weighted	17	0.027971703	0.026430976	0.999731116
VWA1	Inverse variance weighted	8	-0.268507463	0.113599605	0.999731116
VWA2	Inverse variance weighted	17	-0.014765078	0.037550275	0.999731116
VWC2	Inverse variance weighted	8	0.056263994	0.051397743	0.999731116
VWC2L	Wald ratio	1	-0.239622642	0.511320755	0.999731116
VWF	Inverse variance weighted	4	0.069057606	0.077600092	0.999731116
WARS	Inverse variance weighted	2	0.035903648	0.070488034	0.999731116
WBP1L	Inverse variance weighted	2	0.011097554	0.236624174	0.999731116
WBP2	Wald ratio	1	-0.190690691	0.406906907	0.999731116
WDR5	Inverse variance weighted	2	0.004202535	0.206116974	0.999731116

WFDC1	Inverse variance weighted	7	0.054739443	0.036221023	0.999731116
WFDC10A	Inverse variance weighted	4	0.054423059	0.121575692	0.999731116
WFDC13	Inverse variance weighted	4	-0.039703123	0.111626727	0.999731116
WFDC2	Inverse variance weighted	2	-0.030165818	0.134132032	0.999731116
WFDC3	Inverse variance weighted	4	-0.039333717	0.160841279	0.999731116
WFDC5	Inverse variance weighted	5	0.110991226	0.112556599	0.999731116
WFDC6	Inverse variance weighted	2	-0.154713352	0.418442399	0.999731116
WFDC8	Inverse variance weighted	2	-0.07829023	0.205464312	0.999731116
WFIKKN1	Inverse variance weighted	5	-0.231014846	0.190669568	0.999731116
WFIKKN2	Inverse variance weighted	5	-0.04454051	0.033665745	0.999731116
WIF1	Inverse variance weighted	7	-0.076676455	0.222356559	0.999731116
WISP1	Inverse variance weighted	17	-0.032668015	0.037588922	0.999731116
WISP2	Inverse variance weighted	9	0.024303955	0.088393771	0.999731116
WISP3	Inverse variance weighted	6	0.129269951	0.161249683	0.999731116
WNK3	Inverse variance weighted	2	-0.179070027	0.20666744	0.999731116
WNT10A	Inverse variance weighted	4	0.036993692	0.089961293	0.999731116
WNT11	Inverse variance weighted	4	0.102587272	0.122315828	0.999731116
WNT5A	Inverse variance weighted	16	0.031954701	0.046854424	0.999731116
WNT7A	Wald ratio	1	-0.220486111	0.470486111	0.999731116
WRNIP1	Inverse variance weighted	2	0.09107171	0.211404003	0.999731116
WWOX	Inverse variance weighted	2	0.392796598	0.390038367	0.999731116
WWP1	Inverse variance weighted	2	-0.262789122	0.22045889	0.999731116
XCL1	Inverse variance weighted	3	-0.029614696	0.201989723	0.999731116
XDH	Inverse variance weighted	2	-0.587106861	0.340486791	0.999731116
XPNPEP1	Wald ratio	1	-0.050931677	0.208695652	0.999731116
XRCC4	Inverse variance weighted	3	-0.062443268	0.082586035	0.999731116
XXYLT1	Inverse variance weighted	2	0.029256574	0.073655383	0.999731116
YARS	Wald ratio	1	0.037313433	0.294776119	0.999731116
YBX1	Inverse variance weighted	7	-0.040217304	0.098626674	0.999731116
YBX2	Inverse variance weighted	3	-0.054265488	0.22784089	0.999731116
YEATS4	Wald ratio	1	-0.225577265	0.481349911	0.999731116
YES1	Inverse variance weighted	3	-0.235989371	0.228255656	0.999731116
YIPF6	Inverse variance weighted	4	0.042319787	0.104109065	0.999731116
YME1L1	Wald ratio	1	0.089020772	0.262611276	0.999731116
YTHDC1	Wald ratio	1	0.091603053	0.270229008	0.999731116
YWHAB	Inverse variance weighted	3	-0.073446763	0.111451131	0.999731116
YWHAE	Inverse variance weighted	2	-0.065834022	0.157304018	0.999731116
YY1	Wald ratio	1	-0.276688453	0.590413943	0.999731116
ZADH2	Wald ratio	1	-0.106723586	0.16755603	0.999731116
ZAP70	Inverse variance weighted	11	-0.030126724	0.0733582	0.999731116
ZBTB33	Wald ratio	1	0.086580087	0.255411255	0.999731116
ZFAND1	Inverse variance weighted	4	0.050911026	0.081659529	0.999731116
ZFAND5	Wald ratio	1	-0.225296443	0.535573123	0.999731116
ZFYVE27	Inverse variance weighted	2	0.234879834	0.301457811	0.999731116
ZG16B	Wald ratio	1	0.032520325	0.086178862	0.999731116
ZHX3	Inverse variance weighted	3	0.094676506	0.112994168	0.999731116
ZNF10	Inverse variance weighted	2	0.051663124	0.079377004	0.999731116
ZNF174	Wald ratio	1	-0.075901328	0.311195446	0.999731116
ZNF175	Inverse variance weighted	3	-0.11624773	0.376726353	0.999731116
ZNF18	Inverse variance weighted	3	0.071773779	0.447403677	0.999731116

ZNF264	Inverse variance weighted	4	0.055126028	0.151161912	0.999731116
ZNF275	Inverse variance weighted	2	0.470672743	0.862131411	0.999731116
ZNF276	Inverse variance weighted	5	-0.036185425	0.10199609	0.999731116
ZNF334	Inverse variance weighted	2	-0.13906188	0.12106494	0.999731116
ZNF34	Wald ratio	1	-0.236024845	0.561076605	0.999731116
ZNF382	Wald ratio	1	-0.054	0.322	0.999731116
ZNF41	Inverse variance weighted	3	0.041817955	0.179887872	0.999731116
ZNF415	Wald ratio	1	-0.015228426	0.357021997	0.999731116
ZNF526	Wald ratio	1	-0.13671875	0.326171875	0.999731116
ZNF566	Wald ratio	1	-0.018556701	0.435051546	0.999731116
ZNF75D	Wald ratio	1	0.100671141	0.296979866	0.999731116
ZNF774	Inverse variance weighted	2	0.093609952	0.223034402	0.999731116
ZNF843	Wald ratio	1	-0.160759494	0.343037975	0.999731116
ZNRF3	Inverse variance weighted	7	-0.047112646	0.081632491	0.999731116
ZP4	Inverse variance weighted	4	-0.027632674	0.125714	0.999731116
ZPBP	Inverse variance weighted	4	0.033121558	0.08175884	0.999731116
ZPBP2	Wald ratio	1	-0.002114165	0.433403805	0.999731116
ZPLD1	Wald ratio	1	0.198767334	0.326656394	0.999731116
ZWILCH	Inverse variance weighted	7	0.032557898	0.064696257	0.999731116
ZWINT	Inverse variance weighted	3	0.085912111	0.169794145	0.999731116
ZYX	Wald ratio	1	0.036755387	0.209125475	0.999731116
STX12	Inverse variance weighted	3	0.000366008	0.216446693	0.999863627
IL17C	Inverse variance weighted	2	0.000122678	0.170070467	0.999909616
MUC1	Inverse variance weighted	5	7.47102E-05	0.066302095	0.999909616
WNT3A	Inverse variance weighted	7	-0.000113914	0.114368993	0.999909616
CCPG1	Inverse variance weighted	5	8.83769E-06	0.13321081	0.999947065
CLPP	Inverse variance weighted	3	-3.03661E-05	0.191551102	0.999947065