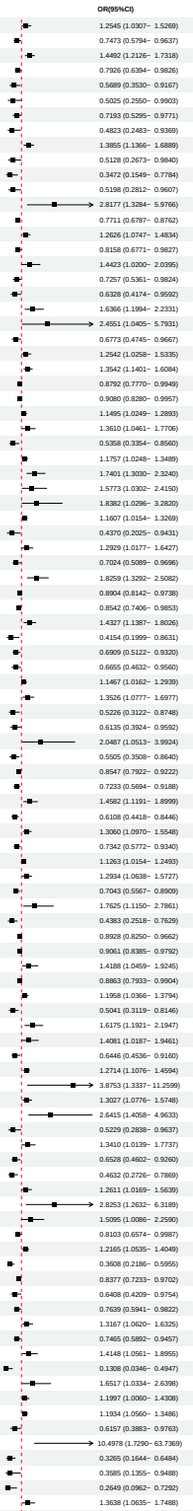
Exposure	Outcome	method	nsnp	pval	OR(95%CI)
A2M~AS1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0237	1.2545 (1.0307~ 1.5269)
A4GALT	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0248	0.7473 (0.5794~ 0.9637)
AATK	Acute Myeloid Leukemia	Inverse variance weighted	36	<0.001	1.4492 (1.2126~ 1.7318)
ABAT	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0340	0.7926 (0.6394~ 0.9826)
ABCA1	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0205	0.5689 (0.3530~ 0.9167)
ABCA10	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0468	0.5025 (0.2550~ 0.9903)
ABCA2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0350	0.7193 (0.5295~ 0.9771)
ABCA5	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0314	0.4823 (0.2483~ 0.9369)
ABCC4	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0013	1.3855 (1.1366~ 1.6889)
ABCD2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0446	0.5128 (0.2673~ 0.9840)
ABHD3	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0102	0.3472 (0.1549~ 0.7784)
ABHD5	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0368	0.5198 (0.2812~ 0.9607)
ABHD6	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0069	2.8177 (1.3284~ 5.9766)
ABO	Acute Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.7711 (0.6787~ 0.8762)
ABP1	Acute Myeloid Leukemia	Inverse variance weighted	60	0.0046	1.2626 (1.0747~ 1.4834)
AC002310.12	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0321	0.8158 (0.6771~ 0.9827)
AC002456.2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0383	1.4423 (1.0200~ 2.0395)
AC004967.8	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0380	0.7257 (0.5361~ 0.9824)
AC005224.2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0311	0.6328 (0.4174~ 0.9592)
AC006547.14	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0019	1.6366 (1.1994~ 2.2331)
AC007950.1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0403	2.4551 (1.0405~ 5.7931)
AC008592.4	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0318	0.6773 (0.4745~ 0.9667)
AC009495.2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0272	1.2542 (1.0258~ 1.5335)
AC009961.3	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	1.3542 (1.1401~ 1.6084)
AC011893.3	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0412	0.8792 (0.7770~ 0.9949)
AC013264.2	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0403	0.9080 (0.8280~ 0.9957)
AC016683.6	Acute Myeloid Leukemia	Inverse variance weighted	57	0.0173	1.1495 (1.0249~ 1.2893)
AC016757.3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0217	1.3610 (1.0461~ 1.7706)
AC017116.8	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0090	0.5358 (0.3354~ 0.8560)
AC021860.1	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0209	1.1757 (1.0248~ 1.3489)
AC022182.3	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	1.7401 (1.3030~ 2.3240)
AC025335.1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0360	1.5773 (1.0302~ 2.4150)
AC026740.1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0395	1.8382 (1.0296~ 3.2820)
AC068039.4	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0290	1.1607 (1.0154~ 1.3269)
AC068580.6	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0349	0.4370 (0.2025~ 0.9431)
AC073115.7	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0354	1.2929 (1.0177~ 1.6427)
AC087380.14	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0317	0.7024 (0.5089~ 0.9696)
AC090804.1	Acute Myeloid Leukemia	Inverse variance weighted	6	<0.001	1.8259 (1.3292~ 2.5082)
AC091729.9	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0110	0.8904 (0.8142~ 0.9738)
AC091814.2	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0305	0.8542 (0.7406~ 0.9853)
AC093323.3	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0022	1.4327 (1.1387~ 1.8026)
AC093415.2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0185	0.4154 (0.1999~ 0.8631)
AC099552.2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0155	0.6909 (0.5122~ 0.9320)
AC104653.1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0276	0.6655 (0.4632~ 0.9560)
AC125232.1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0263	1.1467 (1.0162~ 1.2939)
AC141586.5	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0092	1.3526 (1.0777~ 1.6977)
ACAA1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0136	0.5226 (0.3122~ 0.8748)
ACAA2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0321	0.6135 (0.3924~ 0.9592)
ACACA	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0351	2.0487 (1.0513~ 3.9924)
ACOT1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0094	0.5505 (0.3508~ 0.8640)
ACTBP8	Acute Myeloid Leukemia	Inverse variance weighted	56	<0.001	0.8547 (0.7922~ 0.9222)
ADA	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0080	0.7233 (0.5694~ 0.9188)
ADAM19	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0052	1.4582 (1.1191~ 1.8999)
ADAMTSL2	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0029	0.6108 (0.4418~ 0.8446)
ADCY10P1	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0027	1.3060 (1.0970~ 1.5548)
ADI1	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0119	0.7342 (0.5772~ 0.9340)
ADK	Acute Myeloid Leukemia	Inverse variance weighted	61	0.0245	1.1263 (1.0154~ 1.2493)
ADSS	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0099	1.2934 (1.0638~ 1.5727)
ADTRP	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0035	0.7043 (0.5567~ 0.8909)
AEBP1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0153	1.7625 (1.1150~ 2.7861)
AF064858.8	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0035	0.4383 (0.2518~ 0.7629)
AF131215.2	Acute Myeloid Leukemia	Inverse variance weighted	112	0.0049	0.8928 (0.8250~ 0.9662)
AF131215.9	Acute Myeloid Leukemia	Inverse variance weighted	118	0.0127	0.9061 (0.8385~ 0.9792)
AFF3	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0245	1.4188 (1.0459~ 1.9245)
AGAP4	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0331	0.8863 (0.7933~ 0.9904)
AGAP7	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0141	1.1958 (1.0366~ 1.3794)
AGER	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0052	0.5041 (0.3119~ 0.8146)
AHCTF1	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0020	1.6175 (1.1921~ 2.1947)
AIF1	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0382	1.4081 (1.0187~ 1.9461)
AIMP2	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0143	0.6446 (0.4536~ 0.9160)
AKAP10	Acute Myeloid Leukemia	Inverse variance weighted	57	<0.001	1.2714 (1.1076~ 1.4594)
AKT3	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0128	3.8753 (1.3337~ 11.2599)
AKTIP	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0063	1.3027 (1.0776~ 1.5748)
ALDH3A2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0025	2.6415 (1.4058~ 4.9633)
ALDH7A1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0377	0.5229 (0.2838~ 0.9637)
ALDH8A1	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0397	1.3410 (1.0139~ 1.7737)
ALDOC	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0168	0.6528 (0.4602~ 0.9260)
ALG11	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0044	0.4632 (0.2726~ 0.7869)
ALG13L10P	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0346	1.2611 (1.0169~ 1.5639)
ALG8	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0114	2.8253 (1.2632~ 6.3189)
ALKBH1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0453	1.5095 (1.0086~ 2.2590)
ALOX5AP	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0486	0.8103 (0.6574~ 0.9987)
AMDHD1	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0076	1.2165 (1.0535~ 1.4049)
AMDHD2	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.3608 (0.2186~ 0.5955)
AMFR	Acute Myeloid Leukemia	Inverse variance weighted	61	0.0181	0.8377 (0.7233~ 0.9702)
AMIGO1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0379	0.6408 (0.4209~ 0.9754)
AMT	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0357	0.7639 (0.5941~ 0.9822)
AMZ2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0121	1.3167 (1.0620~ 1.6325)
ANGEL1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0154	0.7465 (0.5892~ 0.9457)
ANGEL2	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0200	1.4148 (1.0561~ 1.8955)
ANGPT2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0027	0.1308 (0.0346~ 0.4947)
ANGPTL6	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0360	1.6517 (1.0334~ 2.6398)
ANK3	Acute Myeloid Leukemia	Inverse variance weighted	55	0.0427	1.1997 (1.0060~ 1.4308)
ANKDD1A	Acute Myeloid Leukemia	Inverse variance weighted	78	0.0046	1.1934 (1.0560~ 1.3486)
ANKRD27	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0392	0.6157 (0.3883~ 0.9763)
ANKRD37	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0106	10.4978 (1.7290~ 63.7369)
ANKRD6	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0014	0.3265 (0.1644~ 0.6484)
ANKS6	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0388	0.3585 (0.1355~ 0.9488)
ANKZF1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0101	0.2649 (0.0962~ 0.7292)
ANTXRLP1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0145	1.3638 (1.0635~ 1.7488)



ANXA11	Acute Myeloid Leukemia	Inverse variance weighted	34	<0.001	0.6039 (0.4627~ 0.7882)
ANXA3	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0294	1.3808 (1.0329~ 1.8458)
ANXA5	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0018	0.7752 (0.6607~ 0.9095)
AP001007.1	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0253	0.8142 (0.6801~ 0.9748)
AP001046.5	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0275	1.3516 (1.0340~ 1.7668)
AP001062.7	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0189	0.7103 (0.5339~ 0.9451)
AP002954.4	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0171	1.1247 (1.0211~ 1.2389)
AP003774.1	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0361	1.1021 (1.0063~ 1.2069)
AP006621.1	Acute Myeloid Leukemia	Inverse variance weighted	55	0.0213	0.8953 (0.8149~ 0.9837)
AP006621.5	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0412	0.8806 (0.7794~ 0.9950)
AP1M1	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.7143 (1.2884~ 2.2811)
AP3M1	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0283	1.3219 (1.0301~ 1.6963)
AP3M2	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0019	0.5974 (0.4314~ 0.8271)
AP4M1	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	1.8255 (1.3960~ 2.3872)
AP5	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0121	0.4042 (0.1992~ 0.8200)
APOBEC3C	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0062	1.4988 (1.1219~ 2.0024)
APOL2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0085	0.3109 (0.1303~ 0.7419)
APOLD1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0017	2.0892 (1.3197~ 3.3072)
ARC	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0434	1.8552 (1.0184~ 3.3796)
ARGLU1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0350	0.2190 (0.0534~ 0.8985)
ARHGAP27	Acute Myeloid Leukemia	Inverse variance weighted	39	<0.001	1.4923 (1.2204~ 1.8247)
ARHGAP9	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0041	0.6272 (0.4561~ 0.8625)
ARHGDIB	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0048	4.9819 (1.6316~ 15.2117)
ARHGEF35	Acute Myeloid Leukemia	Inverse variance weighted	14	<0.001	1.7926 (1.3714~ 2.3431)
ARID1A	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0041	0.6848 (0.5288~ 0.8869)
ARIH2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0118	0.4236 (0.2171~ 0.8269)
ARL8B	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0106	1.9361 (1.1663~ 3.2140)
ARMC2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0410	2.0864 (1.0304~ 4.2246)
ARMC3	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	2.9654 (1.6829~ 5.2254)
ARNTL	Acute Myeloid Leukemia	Inverse variance weighted	48	0.0017	0.6662 (0.5171~ 0.8585)
ARPP19	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0232	0.5640 (0.3439~ 0.9248)
ARRDC2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0026	0.5286 (0.3490~ 0.8005)
AS3MT	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0077	0.7624 (0.6244~ 0.9308)
ASB13	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0243	1.3698 (1.0417~ 1.8012)
ATAD1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0012	0.1307 (0.0382~ 0.4464)
ATF3	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0205	0.3059 (0.1123~ 0.8332)
ATG12	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0320	0.7302 (0.5478~ 0.9733)
ATHL1	Acute Myeloid Leukemia	Inverse variance weighted	32	<0.001	1.2865 (1.1100~ 1.4911)
ATP10D	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0485	0.6298 (0.3978~ 0.9970)
ATP13A3	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0493	0.3682 (0.1360~ 0.9970)
ATP1B2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0249	1.9518 (1.0882~ 3.5007)
ATP2A3	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0023	0.3733 (0.1979~ 0.7041)
ATP6V1E1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0165	0.7033 (0.5274~ 0.9378)
ATP9A	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0065	1.2138 (1.0557~ 1.3957)
ATP9B	Acute Myeloid Leukemia	Inverse variance weighted	33	<0.001	1.8118 (1.4493~ 2.2649)
ATPAF2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0038	1.5385 (1.1494~ 2.0594)
ATRAID	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0331	0.7320 (0.5495~ 0.9753)
ATXN7L3B	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0134	0.6032 (0.4040~ 0.9005)
BACH2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0500	2.6805 (1.0001~ 7.1848)
BAG6	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0457	2.3092 (1.0160~ 5.2483)
BAIAP2-AS1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0087	0.7641 (0.6249~ 0.9342)
BAIAP2	Acute Myeloid Leukemia	Inverse variance weighted	46	<0.001	0.6492 (0.5244~ 0.8038)
BAK1	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0418	0.8626 (0.7481~ 0.9945)
BANP	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0355	3.0391 (1.0786~ 8.5632)
BASP1	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0438	0.7112 (0.5106~ 0.9905)
BCL9	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0103	1.5710 (1.1125~ 2.2185)
BDH1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0347	0.5099 (0.2730~ 0.9527)
BICD2	Acute Myeloid Leukemia	Inverse variance weighted	36	0.0025	1.5622 (1.1694~ 2.0870)
BIN2	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0254	1.4633 (1.0480~ 2.0433)
BLK	Acute Myeloid Leukemia	Inverse variance weighted	115	0.0048	1.2927 (1.0816~ 1.5450)
BLMH	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0428	0.7579 (0.5796~ 0.9910)
BMP1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0102	1.8444 (1.1562~ 2.9421)
BMS1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0259	0.2925 (0.0992~ 0.8626)
BPI	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0395	1.2463 (1.0106~ 1.5368)
BRAT1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0059	0.6534 (0.4825~ 0.8848)
BRCA2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0130	0.2811 (0.1032~ 0.7652)
BRD7	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0354	1.2261 (1.0140~ 1.4825)
BRI3	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0068	0.6770 (0.5105~ 0.8980)
BRPF3	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0127	5.4982 (1.4393~ 21.0032)
BTBD7	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0383	0.5281 (0.2887~ 0.9661)
BTD	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0044	0.1127 (0.0251~ 0.5067)
C10orf118	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0274	4.4863 (1.1821~ 17.0263)
C10orf128	Acute Myeloid Leukemia	Inverse variance weighted	54	0.0100	1.2517 (1.0552~ 1.4849)
C10orf68	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0214	0.3889 (0.1740~ 0.8696)
C10orf88	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0416	0.7320 (0.5422~ 0.9882)
C11orf63	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0143	0.5820 (0.3774~ 0.8975)
C12orf76	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0145	0.4980 (0.2847~ 0.8710)
C14orf2	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0381	1.5515 (1.0243~ 2.3501)
C14orf64	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0288	2.3169 (1.0907~ 4.9214)
C15orf38	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0408	1.1326 (1.0052~ 1.2761)
C15orf57	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0239	1.2753 (1.0326~ 1.5750)
C16orf58	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0405	0.2353 (0.0589~ 0.9394)
C16orf80	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0101	0.4910 (0.2855~ 0.8444)
C17orf103	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0461	1.5489 (1.0076~ 2.3810)
C17orf66	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0233	2.9005 (1.1556~ 7.2798)
C17orf75	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0240	1.4567 (1.0507~ 2.0194)
C17orf76-AS1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0085	0.5377 (0.3387~ 0.8536)
C17orf80	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0266	0.7122 (0.5275~ 0.9614)
C17orf97	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0062	1.1720 (1.0461~ 1.3130)
C18orf54	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0053	0.4199 (0.2280~ 0.7733)
C19orf38	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0428	3.9889 (1.0461~ 15.2102)
C19orf40	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0186	0.7747 (0.6264~ 0.9582)
C19orf44	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0078	0.5802 (0.3884~ 0.8667)
C19orf60	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0071	0.7521 (0.6113~ 0.9254)
C19orf66	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	2.2722 (1.4994~ 3.4434)
C1orf145	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0290	1.4151 (1.0362~ 1.9326)
C1orf174	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0162	0.7780 (0.6340~ 0.9547)
C1orf21	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0155	2.9116 (1.2250~ 6.9205)
C1QB	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0170	1.2917 (1.0468~ 1.5938)
C1QTNF6	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0204	1.3490 (1.0474~ 1.7375)
C1RL-AS1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0119	0.6834 (0.5079~ 0.9194)
C20orf24	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0232	0.2830 (0.0951~ 0.8416)
C20orf27	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0386	0.8184 (0.6768~ 0.9896)
C22orf26	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0270	2.6258 (1.1161~ 6.1779)
C22orf29	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0334	1.3091 (1.0213~ 1.6781)
C22orf32	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0015	1.2524 (1.0899~ 1.4391)
C2orf15	Acute Myeloid Leukemia	Inverse variance weighted	37	<0.001	0.6387 (0.5059~ 0.8063)
C3orf38	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0425	2.3003 (1.0285~ 5.1448)
C4A	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0121	1.2531 (1.0506~ 1.4947)
C4B	Acute Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.8213 (0.7343~ 0.9185)
C4orf21	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0449	1.2914 (1.0058~ 1.6582)
C4orf33	Acute Myeloid Leukemia	Inverse variance weighted	26	<0.001	1.4553 (1.1744~ 1.8032)
C5	Acute Myeloid Leukemia	Inverse variance weighted	65	0.0333	1.1778 (1.0131~ 1.3694)
C5orf55	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	0.4537 (0.2835~ 0.7262)
C6orf211	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0059	2.1335 (1.2446~ 3.6571)
C6orf48	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0098	1.3946 (1.0837~ 1.7947)
C7orf43	Acute Myeloid Leukemia	Inverse variance weighted	21	<0.001	0.4476 (0.3210~ 0.6243)
C8orf40	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0451	0.8574 (0.7376~ 0.9966)
C9orf156	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0051	0.7500 (0.6132~ 0.9174)
C9orf174	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0429	1.8482 (1.0198~ 3.3494)
CAB39L	Acute Myeloid Leukemia	Inverse variance weighted	21	<0.001	0.3856 (0.2464~ 0.6035)
CABP5	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0067	0.5812 (0.3925~ 0.8607)
CACNA1H	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0234	0.4876 (0.2620~ 0.9072)
CACUL1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0025	1.7889 (1.2267~ 2.6087)
CAMK1D	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0155	1.2714 (1.0468~ 1.5443)
CAMK2N1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0091	2.2154 (1.2186~ 4.0276)
CAMTA1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0248	0.6548 (0.4524~ 0.9479)
CAPG	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0073	0.8245 (0.7161~ 0.9493)
CAPNS1	Acute Myeloid Leukemia	Inverse variance weighted	18	<0.001	2.4067 (1.5360~ 3.7708)
CAPRIN2	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0304	0.5978 (0.3752~ 0.9524)
CARD9	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0416	0.8691 (0.7593~ 0.9947)
CARM1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0195	1.7383 (1.0932~ 2.7639)
CASP3	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0037	1.6502 (1.1769~ 2.3138)
CASP9	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0199	1.3711 (1.0513~ 1.7882)
CAT	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0403	0.8457 (0.7206~ 0.9927)
CATSPER2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0272	0.5398 (0.3123~ 0.9330)
CBR3	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0310	1.1812 (1.0153~ 1.3742)
CCDC112	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0499	0.5768 (0.3327~ 0.9998)
CCDC115	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0124	1.5084 (1.0930~ 2.0816)
CCDC13-AS1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0460	1.2774 (1.0043~ 1.6246)
CCDC13	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0469	1.6781 (1.0072~ 2.7959)
CCDC17	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0011	4.1474 (1.7703~ 9.7161)
CCDC23	Acute Myeloid Leukemia	Inverse variance weighted	74	0.0409	1.1087 (1.0043~ 1.2241)
CCDC6	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0385	0.5678 (0.3322~ 0.9706)
CCDC7	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0385	0.3571 (0.1347~ 0.9469)
CCDC71	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0352	2.1039 (1.0530~ 4.2035)
CCNT2	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0123	1.5345 (1.0973~ 2.1459)
CCR4	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0372	0.6218 (0.3976~ 0.9723)
CCRN4L	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0331	2.8066 (1.0862~ 7.2523)
CD151	Acute Myeloid Leukemia	Inverse variance weighted	75	0.0410	0.8841 (0.7855~ 0.9950)
CD163	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0495	3.8077 (1.0027~ 14.4594)
CD180	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0377	0.3205 (0.1096~ 0.9372)

CD1A	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0102	0.7266 (0.5695~ 0.9271)
CD1B	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0256	0.5769 (0.3559~ 0.9352)
CD1D	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0226	0.1829 (0.0425~ 0.7874)
CD1E	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0052	0.5881 (0.4053~ 0.8535)
CD300E	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0275	1.3495 (1.0338~ 1.7615)
CD33	Acute Myeloid Leukemia	Inverse variance weighted	18	<0.001	1.9854 (1.4441~ 2.7297)
CD37	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0075	0.6502 (0.4743~ 0.8912)
CD3D	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0089	3.9185 (1.4084~ 10.9026)
CD3E	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0076	2.9054 (1.3278~ 6.3575)
CD53	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0100	1.7905 (1.1494~ 2.7891)
CD63	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0482	0.4864 (0.2379~ 0.9944)
CD7	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0206	2.5458 (1.1543~ 5.6149)
CD86	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0028	0.5516 (0.3735~ 0.8148)
CD93	Acute Myeloid Leukemia	Inverse variance weighted	54	0.0064	0.7685 (0.6358~ 0.9288)
CD96	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0080	1.3792 (1.0876~ 1.7488)
CDC123	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0434	1.3556 (1.0091~ 1.8212)
CDC14A	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0170	0.7807 (0.6371~ 0.9567)
CDC26	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0106	0.7650 (0.6230~ 0.9395)
CDC37	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.1964 (0.0785~ 0.4912)
CDC42SE1	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0045	0.7518 (0.6176~ 0.9153)
CDH13	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0224	2.3568 (1.1292~ 4.9189)
CDH2	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0387	1.3099 (1.0141~ 1.6919)
CDK10	Acute Myeloid Leukemia	Inverse variance weighted	53	0.0051	0.8075 (0.6952~ 0.9379)
CDK11B	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0060	1.4386 (1.1096~ 1.8650)
CDK5RAP2	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0017	1.3020 (1.1037~ 1.5359)
CDKAL1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0384	1.5322 (1.0229~ 2.2950)
CDKL1	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0032	0.7199 (0.5786~ 0.8957)
CECR6	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0454	1.1921 (1.0036~ 1.4161)
CECR7	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0283	0.8716 (0.7709~ 0.9855)
CEP63	Acute Myeloid Leukemia	Inverse variance weighted	61	<0.001	0.7531 (0.6385~ 0.8883)
CEP70	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0409	2.0495 (1.0301~ 4.0778)
CEP85	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0277	1.4309 (1.0401~ 1.9685)
CERS5	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0459	0.8823 (0.7802~ 0.9977)
CFLAR	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0426	0.7502 (0.5683~ 0.9904)
CHAF1A	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0341	1.5541 (1.0337~ 2.3366)
CHD7	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0386	1.7028 (1.0283~ 2.8197)
CHKB	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0010	2.4931 (1.4466~ 4.2966)
CHN1	Acute Myeloid Leukemia	Inverse variance weighted	42	<0.001	1.6884 (1.3562~ 2.1021)
CHPT1	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0184	0.8622 (0.7622~ 0.9753)
CHRFAM7A	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0292	1.3689 (1.0323~ 1.8152)
CHRNB1	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0435	1.4245 (1.0103~ 2.0084)
CIB2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0091	0.4005 (0.2014~ 0.7966)
CINP	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0379	1.9633 (1.0385~ 3.7117)
CITED4	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0157	0.7822 (0.6408~ 0.9547)
CKAP2	Acute Myeloid Leukemia	Inverse variance weighted	63	<0.001	0.7267 (0.6048~ 0.8732)
CKM	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	1.8380 (1.3115~ 2.5758)
CLDND1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0185	7.1926 (1.3935~ 37.1237)
CLEC12A	Acute Myeloid Leukemia	Inverse variance weighted	106	<0.001	0.8332 (0.7540~ 0.9207)
CLEC12B	Acute Myeloid Leukemia	Inverse variance weighted	71	0.0048	0.7862 (0.6652~ 0.9291)
CLEC1B	Acute Myeloid Leukemia	Inverse variance weighted	46	<0.001	0.6027 (0.4869~ 0.7459)
CLEC5A	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0264	1.3358 (1.0346~ 1.7246)
CLECL1	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0023	1.3833 (1.1231~ 1.7037)
CLIC6	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0032	0.3058 (0.1392~ 0.6715)
CLOCK	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0095	1.7273 (1.1430~ 2.6102)
CLTB	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0015	0.6836 (0.5404~ 0.8646)
CLYBL	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0218	1.2682 (1.0352~ 1.5536)
CMKLR1	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0143	1.2702 (1.0489~ 1.5381)
CNR1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0135	0.6575 (0.4713~ 0.9170)
CNTLN	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0295	2.2239 (1.0828~ 4.5676)
CNTRL	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0425	1.4454 (1.0126~ 2.0632)
COA6	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0181	1.3938 (1.0582~ 1.8358)
COG1	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0230	1.4003 (1.0475~ 1.8720)
COL19A1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0284	0.2638 (0.0801~ 0.8685)
COLEC12	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0083	1.5812 (1.1250~ 2.2224)
COLQ	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0042	0.6153 (0.4413~ 0.8579)
COPA	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0014	0.3938 (0.2219~ 0.6988)
COPRS	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0019	2.4739 (1.3983~ 4.3768)
COQ2	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0158	1.6037 (1.0929~ 2.3532)
COQ6	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0052	1.5170 (1.1323~ 2.0324)
CPA3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0036	2.9156 (1.4175~ 5.9974)
CPEB4	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0349	1.1644 (1.0109~ 1.3412)
CPT1B	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0057	1.3109 (1.0818~ 1.5885)
CPT2	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0430	0.5846 (0.3476~ 0.9831)
CRAMP1L	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0224	2.1690 (1.1160~ 4.2156)
CRIPAK	Acute Myeloid Leukemia	Inverse variance weighted	53	0.0357	1.1616 (1.0100~ 1.3358)
CRISPLD2	Acute Myeloid Leukemia	Inverse variance weighted	63	0.0022	1.2927 (1.0968~ 1.5236)
CRTAP	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0017	0.3259 (0.1615~ 0.6576)
CRYGN	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0340	1.7612 (1.0436~ 2.9724)
CRYZ	Acute Myeloid Leukemia	Inverse variance weighted	74	0.0293	1.1395 (1.0133~ 1.2815)
CSNK2B	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0022	0.3778 (0.2026~ 0.7046)
CSTF1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0385	3.0393 (1.0604~ 8.7109)
CTA-126B4.7	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0278	0.8493 (0.7343~ 0.9823)
CTA-445C9.15	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0134	0.8998 (0.8275~ 0.9783)
CTB-118N6.3	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0299	1.4472 (1.0367~ 2.0202)
CTB-129O4.1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0381	0.7996 (0.6473~ 0.9878)
CTB-50L17.9	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0307	1.2504 (1.0211~ 1.5313)
CTBP1	Acute Myeloid Leukemia	Inverse variance weighted	32	<0.001	0.6777 (0.5428~ 0.8460)
CTC-444N24.11	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0077	0.7212 (0.5670~ 0.9173)
CTC-523E23.1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0108	0.7937 (0.6644~ 0.9480)
CTC1	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0182	0.8409 (0.7283~ 0.9709)
CTD-2017D11.1	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0052	1.1428 (1.0407~ 1.2549)
CTD-2020K17.4	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0478	0.5960 (0.3570~ 0.9951)
CTD-2085J24.4	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0116	0.7546 (0.6064~ 0.9390)
CTD-2382E5.3	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0155	1.5635 (1.0888~ 2.2451)
CTD-2555O16.2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0291	0.5123 (0.2809~ 0.9344)
CTD-2561J22.2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0014	0.4786 (0.3045~ 0.7524)
CTD-2611O12.6	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0073	2.0148 (1.2077~ 3.3612)
CTD-3099C6.11	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	0.5326 (0.3768~ 0.7527)
CTD-3099C6.9	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.5213 (0.3639~ 0.7467)
CTGLF12P	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0464	1.4155 (1.0056~ 1.9925)
CTNNBL1	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	4.0760 (1.7973~ 9.2437)
CTSB	Acute Myeloid Leukemia	Inverse variance weighted	58	<0.001	0.6783 (0.5387~ 0.8540)
CTSG	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0338	1.4109 (1.0266~ 1.9390)
CTU2	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.4397 (0.2954~ 0.6545)
CUBN	Acute Myeloid Leukemia	Inverse variance weighted	53	0.0204	0.8106 (0.6788~ 0.9680)
CUX1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0316	0.2823 (0.0891~ 0.8944)
CWC22	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0066	3.3021 (1.3936~ 7.8246)
CWF19L1	Acute Myeloid Leukemia	Inverse variance weighted	56	0.0050	1.2534 (1.0704~ 1.4678)
CWF19L2	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0045	0.7659 (0.6371~ 0.9208)
CXCL1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0360	1.5284 (1.0282~ 2.2721)
CXCL5	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0012	1.4533 (1.1600~ 1.8207)
CXCR2P1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0227	1.3541 (1.0433~ 1.7574)
CXCR6	Acute Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.4545 (0.3286~ 0.6286)
CYB5R1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0085	0.5655 (0.3699~ 0.8647)
CYBRD1	Acute Myeloid Leukemia	Inverse variance weighted	60	<0.001	0.7481 (0.6501~ 0.8609)
CYP21A1P	Acute Myeloid Leukemia	Inverse variance weighted	31	<0.001	1.3743 (1.2220~ 1.5455)
CYP21A2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0130	0.7558 (0.6060~ 0.9428)
CYP24A1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0014	0.2971 (0.1408~ 0.6270)
CYP4F3	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0315	0.7512 (0.5787~ 0.9750)
CYP4F35P	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0340	2.5233 (1.0726~ 5.9358)
CYSTM1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0278	0.4490 (0.2201~ 0.9163)
DAGLB	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0034	0.7610 (0.6338~ 0.9136)
DAP	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0387	1.2290 (1.0108~ 1.4943)
DAPK2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0084	0.4562 (0.2545~ 0.8178)
DARS	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0183	0.7891 (0.6482~ 0.9607)
DBNL	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0203	0.6273 (0.4230~ 0.9301)
DCAKD	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0076	0.7761 (0.6443~ 0.9348)
DCBLD2	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0138	1.4736 (1.0825~ 2.0061)

DCLK2	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	0.5628 (0.4271~ 0.7416)
DCTD	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0042	1.5113 (1.1390~ 2.0054)
DDHD2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0235	0.3859 (0.1694~ 0.8794)
DDX10	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	3.0093 (1.5884~ 5.7014)
DDX10P1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0038	0.7638 (0.6362~ 0.9169)
DDX11L2	Acute Myeloid Leukemia	Inverse variance weighted	58	<0.001	0.8755 (0.8134~ 0.9423)
DDX12P	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0014	0.8166 (0.7209~ 0.9250)
DDX39BP2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0256	1.2903 (1.0316~ 1.6140)
DDX43	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0477	1.6182 (1.0048~ 2.6061)
DEF8	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0100	2.1591 (1.2018~ 3.8788)
DGCR2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0363	1.5441 (1.0281~ 2.3189)
DHRS1	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0433	0.8439 (0.7158~ 0.9949)
DHRS13	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0147	2.2976 (1.1780~ 4.4815)
DHRS3	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0046	2.0311 (1.2438~ 3.3168)
DHRS4	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0088	0.5371 (0.3375~ 0.8549)
DHRS4L2	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.6557 (0.5192~ 0.8281)
DHX32	Acute Myeloid Leukemia	Inverse variance weighted	58	0.0057	0.8241 (0.7185~ 0.9453)
DHX35	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0213	1.5100 (1.0634~ 2.1443)
DHX36	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0225	0.7341 (0.5629~ 0.9574)
DICER1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0379	1.6664 (1.0289~ 2.6989)
DIMT1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0065	2.1733 (1.2425~ 3.8015)
DIS3L	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0059	1.3991 (1.1017~ 1.7768)
DKFZP667F0711	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0330	0.3795 (0.1557~ 0.9249)
DLG5	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0293	1.3048 (1.0271~ 1.6576)
DNAH6	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0076	1.7534 (1.1610~ 2.6479)
DNAJA4	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0013	1.6631 (1.2204~ 2.2664)
DNAJB6	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0472	1.2862 (1.0031~ 1.6491)
DNAJC27~AS1	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	2.3276 (1.4384~ 3.7663)
DNAJC27	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0018	1.9208 (1.2751~ 2.8934)
DNAJC5	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0023	3.6924 (1.5968~ 8.5386)
DNPEP	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0105	1.9750 (1.1723~ 3.3273)
DOC2GP	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0323	1.1215 (1.0097~ 1.2456)
DOK2	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0151	0.7304 (0.5669~ 0.9410)
DPF2	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0019	0.5822 (0.4136~ 0.8194)
DPP8	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0048	2.9062 (1.3855~ 6.0959)
DPRXP4	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0215	4.5722 (1.2515~ 16.7037)
DPY19L1	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0070	0.8015 (0.6824~ 0.9413)
DRAM1	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0061	1.2957 (1.0767~ 1.5593)
DRAM2	Acute Myeloid Leukemia	Inverse variance weighted	48	0.0082	1.2963 (1.0694~ 1.5715)
DRD4	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0360	0.4508 (0.2141~ 0.9492)
DRG2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0409	1.7155 (1.0226~ 2.8782)
DSC1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0338	0.6971 (0.4995~ 0.9728)
DSN1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0048	0.3884 (0.2014~ 0.7491)
DST	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0236	2.5607 (1.1345~ 5.7794)
DSTN	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0353	0.7914 (0.6365~ 0.9840)
DTNB	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0022	1.8602 (1.2512~ 2.7655)
DTX1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0301	3.8511 (1.1384~ 13.0278)
DTX2	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0013	0.7525 (0.6329~ 0.8946)
DUSP5	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0423	0.5448 (0.3031~ 0.9792)
DUXAP1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0184	1.8933 (1.1136~ 3.2188)
DYRK4	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0026	1.7392 (1.2125~ 2.4948)
EBLN2	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0353	0.6513 (0.4369~ 0.9710)
ECE1	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	0.6163 (0.4670~ 0.8133)
EDEM2	Acute Myeloid Leukemia	Inverse variance weighted	21	<0.001	1.8927 (1.3879~ 2.5812)
EFCAB1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0015	3.7442 (1.6612~ 8.4389)
EFCAB12	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0166	0.3700 (0.1641~ 0.8344)
EFCAB2	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0061	1.3877 (1.0981~ 1.7536)
EFHA1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0272	0.6321 (0.4208~ 0.9497)
EFNA1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0057	16.8890 (2.2799~125.1099)
EGFL8	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0467	0.3234 (0.1063~ 0.9834)
EGLN2	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0256	1.2918 (1.0316~ 1.6175)
EGLN3	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0380	0.5735 (0.3392~ 0.9697)
EHD1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0013	4.2815 (1.7674~ 10.3718)
EHMT1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0307	1.5966 (1.0445~ 2.4407)
EID3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0103	2.5533 (1.2473~ 5.2266)
EIF2A	Acute Myeloid Leukemia	Inverse variance weighted	33	<0.001	0.6059 (0.4627~ 0.7935)
EIF2S1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0059	0.2226 (0.0764~ 0.6483)
EIF2S2P3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0121	1.3859 (1.0741~ 1.7882)
EIF3G	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0016	1.5509 (1.1810~ 2.0366)
EIF4B	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0103	0.6904 (0.5203~ 0.9162)
EIF4E3	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0215	1.2321 (1.0312~ 1.4720)
ELF1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0328	1.8233 (1.0502~ 3.1656)
ELF2	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0036	2.0331 (1.2609~ 3.2782)
ELK3	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0428	0.5033 (0.2589~ 0.9781)
ELL	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0287	0.7874 (0.6356~ 0.9755)
ELL2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0117	0.3037 (0.1202~ 0.7673)
ELMO1	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0023	0.7334 (0.6006~ 0.8955)
ELOVL6	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	0.2737 (0.1332~ 0.5622)
ELOVL7	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0498	0.6460 (0.4175~ 0.9997)
EMBP1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0130	1.5346 (1.0944~ 2.1520)
EME2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0054	0.5366 (0.3461~ 0.8321)
EML4	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0391	1.2312 (1.0104~ 1.5001)
ENC1	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0072	1.2439 (1.0608~ 1.4587)
ENKUR	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0313	2.7752 (1.0957~ 7.0291)
ENPP4	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0253	1.2821 (1.0313~ 1.5940)
EOGT	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0211	1.4902 (1.0618~ 2.0915)
EPHB4	Acute Myeloid Leukemia	Inverse variance weighted	63	0.0037	1.2142 (1.0648~ 1.3844)
EPS8L1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0036	0.4856 (0.2984~ 0.7903)
ERAP1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0166	0.6530 (0.4608~ 0.9254)
ERAP2	Acute Myeloid Leukemia	Inverse variance weighted	96	<0.001	1.1460 (1.0603~ 1.2385)
ERGIC2	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0296	1.6867 (1.0531~ 2.7015)
ERMP1	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0126	0.7753 (0.6349~ 0.9469)
ERVH48-1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0342	0.5964 (0.3696~ 0.9623)
ESPNL	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0324	0.5070 (0.2721~ 0.9448)
ESR2	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	0.4108 (0.2493~ 0.6770)
ETAA1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0318	2.6734 (1.0893~ 6.5611)
ETS2	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0387	0.6489 (0.4306~ 0.9778)
EXOSC3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0387	0.5594 (0.3225~ 0.9703)
EXOSC8	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0153	0.7063 (0.5332~ 0.9355)
EXT1	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0035	1.6803 (1.1856~ 2.3815)
FAAH	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0076	1.4135 (1.0962~ 1.8225)
FAM104A	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0156	0.6865 (0.5061~ 0.9312)
FAM108A7P	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0462	1.3137 (1.0045~ 1.7179)
FAM109B	Acute Myeloid Leukemia	Inverse variance weighted	17	<0.001	1.9122 (1.3188~ 2.7725)
FAM110B	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0059	2.3684 (1.2815~ 4.3771)
FAM118A	Acute Myeloid Leukemia	Inverse variance weighted	57	0.0134	1.1296 (1.0256~ 1.2441)
FAM131B	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0100	0.4080 (0.2062~ 0.8073)
FAM13A	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0104	1.4061 (1.0835~ 1.8247)
FAM150B	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0113	0.5080 (0.3008~ 0.8578)
FAM153A	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0017	0.8059 (0.7042~ 0.9224)
FAM153B	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0064	1.2428 (1.0629~ 1.4530)
FAM157C	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0068	0.8336 (0.7306~ 0.9510)
FAM160A1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0156	0.5411 (0.3289~ 0.8902)
FAM162A	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0157	4.7474 (1.3419~ 16.7953)
FAM167A	Acute Myeloid Leukemia	Inverse variance weighted	139	0.0473	0.8853 (0.7849~ 0.9985)
FAM171A1	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0196	1.3496 (1.0491~ 1.7361)
FAM178A	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0043	2.2226 (1.2855~ 3.8430)
FAM185A	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0109	2.1063 (1.1866~ 3.7388)
FAM192A	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0247	0.4959 (0.2688~ 0.9147)
FAM198B	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0032	1.3311 (1.1008~ 1.6097)
FAM211A	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0011	2.5394 (1.4534~ 4.4366)
FAM213B	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0289	1.2411 (1.0225~ 1.5063)
FAM220A	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0371	0.4948 (0.2554~ 0.9589)
FAM71F2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0086	0.6819 (0.5124~ 0.9075)
FAM86A	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0017	0.2978 (0.1399~ 0.6337)
FAM96A	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0090	3.7795 (1.3934~ 10.2519)
FANCE	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0148	0.1616 (0.0373~ 0.6996)
FASTKD3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0038	0.4539 (0.2657~ 0.7755)

FBLN5	Acute Myeloid Leukemia	Inverse variance weighted	80	0.0012	0.8116 (0.7155~ 0.9208)
FBN1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0057	2.3597 (1.2835~ 4.3383)
FBXL17	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0235	1.6868 (1.0729~ 2.6521)
FBXL4	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0142	0.4267 (0.2161~ 0.8427)
FBXO25	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	6.0999 (2.5528~ 14.5755)
FCF1P2	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0355	1.2861 (1.0172~ 1.6260)
FCGBP	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0081	0.8145 (0.6997~ 0.9482)
FCGR2B	Acute Myeloid Leukemia	Inverse variance weighted	63	0.0196	0.8632 (0.7629~ 0.9768)
FCGR3B	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0314	0.6767 (0.4743~ 0.9657)
FCN1	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0088	0.7901 (0.6625~ 0.9424)
FECH	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0308	0.8101 (0.6692~ 0.9807)
FEZ2	Acute Myeloid Leukemia	Inverse variance weighted	61	0.0068	1.2290 (1.0586~ 1.4269)
FGD2	Acute Myeloid Leukemia	Inverse variance weighted	48	0.0500	0.8368 (0.7002~ 1.0000)
FGFR1OP	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0244	0.6564 (0.4549~ 0.9471)
FGGY	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0370	1.4419 (1.0224~ 2.0336)
FIGNL1	Acute Myeloid Leukemia	Inverse variance weighted	46	0.0426	0.8174 (0.6727~ 0.9933)
FKBP15	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0229	0.6642 (0.4669~ 0.9448)
FLII	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0072	0.3598 (0.1706~ 0.7587)
FLJ27352	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0247	0.7560 (0.5923~ 0.9649)
FLJ27365	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0037	2.4800 (1.3419~ 4.5833)
FLOT1	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0045	0.7467 (0.6105~ 0.9133)
FLT1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0293	1.4657 (1.0393~ 2.0670)
FLT1P1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0123	0.8011 (0.6734~ 0.9531)
FLYWCH1	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0469	1.2214 (1.0028~ 1.4877)
FMNL3	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.3795 (0.2217~ 0.6497)
FN3K	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0410	1.3866 (1.0134~ 1.8971)
FOCAD	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0021	2.9433 (1.4798~ 5.8541)
FOPNL	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0114	0.5915 (0.3939~ 0.8883)
FOXO1	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	6.7744 (2.3226~ 19.7593)
FOXRED1	Acute Myeloid Leukemia	Inverse variance weighted	67	0.0126	0.8394 (0.7315~ 0.9632)
FOXRED2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0113	0.7532 (0.6049~ 0.9379)
FRY	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0216	2.2839 (1.1290~ 4.6201)
FTSJD1	Acute Myeloid Leukemia	Inverse variance weighted	35	<0.001	0.6697 (0.5306~ 0.8454)
FUT7	Acute Myeloid Leukemia	Inverse variance weighted	36	0.0372	1.1952 (1.0106~ 1.4135)
FXYD5	Acute Myeloid Leukemia	Inverse variance weighted	30	<0.001	0.6867 (0.5507~ 0.8562)
FXYD7	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0016	0.5085 (0.3344~ 0.7731)
GAA	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0411	0.8708 (0.7625~ 0.9944)
GABPB1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0309	0.3657 (0.1467~ 0.9118)
GABPB2	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	0.3311 (0.1726~ 0.6350)
GADD45B	Acute Myeloid Leukemia	Inverse variance weighted	17	<0.001	0.4082 (0.2727~ 0.6111)
GADD45G	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	3.2206 (1.6494~ 6.2887)
GALC	Acute Myeloid Leukemia	Inverse variance weighted	28	<0.001	0.5720 (0.4276~ 0.7652)
GALNT1	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0247	0.5668 (0.3454~ 0.9302)
GALNT4	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0270	0.8029 (0.6609~ 0.9754)
GAPT	Acute Myeloid Leukemia	Inverse variance weighted	76	0.0216	0.8388 (0.7219~ 0.9746)
GATC	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0176	0.6272 (0.4267~ 0.9220)
GBAP1	Acute Myeloid Leukemia	Inverse variance weighted	46	0.0439	0.8798 (0.7768~ 0.9965)
GBAS	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0048	0.4095 (0.2201~ 0.7616)
GCDH	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0422	0.7990 (0.6435~ 0.9921)
GCK	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0283	0.2848 (0.0927~ 0.8751)
GEMIN2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0208	0.2107 (0.0563~ 0.7893)
GFRA2	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0095	0.7386 (0.5875~ 0.9287)
GGACT	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0159	1.3840 (1.0627~ 1.8023)
GGCX	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0442	1.3181 (1.0072~ 1.7250)
GGNBP2	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0236	1.2118 (1.0261~ 1.4313)
GGT7	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0119	1.8290 (1.1424~ 2.9283)
GJA4	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0229	4.7376 (1.2399~ 18.1027)
GLG1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0171	1.5485 (1.0809~ 2.2182)
GLIPR1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0359	1.2431 (1.0144~ 1.5235)
GLIS3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0022	0.3233 (0.1572~ 0.6651)
GLOD4	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0355	0.5199 (0.2826~ 0.9565)
GLRX	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0063	0.7502 (0.6106~ 0.9219)
GLRX5	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0310	1.3958 (1.0310~ 1.8897)
GLS	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0386	0.6591 (0.4439~ 0.9784)
GLT1D1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0152	0.6166 (0.4174~ 0.9109)
GNA12	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0338	0.7320 (0.5488~ 0.9764)
GNG11	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0468	2.4520 (1.0129~ 5.9355)
GNG7	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0036	0.5354 (0.3517~ 0.8151)
GNG8	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0124	1.5522 (1.0999~ 2.1905)
GNGT2	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0094	0.7164 (0.5570~ 0.9214)
GNPDA1	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.4864 (0.3215~ 0.7357)
GOLGA7	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0108	0.4368 (0.2310~ 0.8260)
GOLGA8R	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0404	2.2893 (1.0371~ 5.0538)
GOLM1	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0336	1.2801 (1.0193~ 1.6077)
GPANK1	Acute Myeloid Leukemia	Inverse variance weighted	14	<0.001	1.8770 (1.3469~ 2.6157)
GPER	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0229	1.4324 (1.0510~ 1.9523)
GPR137B	Acute Myeloid Leukemia	Inverse variance weighted	42	<0.001	1.4281 (1.1668~ 1.7478)
GPR27	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0355	1.7419 (1.0384~ 2.9220)
GPRIN1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0072	0.4404 (0.2423~ 0.8007)
GPSM1	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0190	1.4110 (1.0582~ 1.8815)
GRAMD1C	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0449	1.3537 (1.0069~ 1.8200)
GRINA	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0087	1.2976 (1.0681~ 1.5763)
GRWD1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0346	1.5810 (1.0338~ 2.4178)
GS1-124K5.4	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0282	1.2124 (1.0208~ 1.4400)
GSDMB	Acute Myeloid Leukemia	Inverse variance weighted	96	0.0353	1.1047 (1.0069~ 1.2120)
GSDMD	Acute Myeloid Leukemia	Inverse variance weighted	30	<0.001	0.6657 (0.5240~ 0.8457)
GSTM3	Acute Myeloid Leukemia	Inverse variance weighted	74	0.0239	0.8891 (0.8029~ 0.9846)
GSTO2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0493	1.6703 (1.0016~ 2.7855)
GSTZ1	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0216	0.7286 (0.5561~ 0.9546)
GTF2A2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0458	1.5118 (1.0078~ 2.2678)
GTF2E2	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0105	0.5937 (0.3983~ 0.8850)
GTF2H1	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0078	0.6462 (0.4685~ 0.8912)
GTF2H2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0211	1.2491 (1.0339~ 1.5091)
GTSF1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0134	0.5500 (0.3424~ 0.8835)
GUCY1B2	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0016	1.4666 (1.1561~ 1.8606)
GUCY2C	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	2.5064 (1.4843~ 4.2324)
GUSBP3	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0114	1.1976 (1.0414~ 1.3772)
GUSBP5	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0366	1.2475 (1.0139~ 1.5349)
H3F3A	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0494	1.2482 (1.0006~ 1.5572)
HADHB	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0210	0.4063 (0.1891~ 0.8729)
HAGH	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0033	1.5852 (1.1658~ 2.1555)
HAL	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0112	0.7981 (0.6706~ 0.9500)
HAR1A	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0401	0.8161 (0.6721~ 0.9909)
HBEGF	Acute Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.2402 (0.1034~ 0.5578)
HBQ1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0287	0.7412 (0.5667~ 0.9694)
HBS1L	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0241	1.7984 (1.0800~ 2.9948)
HCG11	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0360	1.2850 (1.0165~ 1.6245)
HCG22	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	1.3026 (1.1253~ 1.5077)
HCG4P3	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0349	1.2122 (1.0137~ 1.4495)
HCLS1	Acute Myeloid Leukemia	Inverse variance weighted	60	0.0071	1.2419 (1.0608~ 1.4540)
HCP5	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0243	1.9552 (1.0907~ 3.5048)
HEATR3	Acute Myeloid Leukemia	Inverse variance weighted	48	0.0307	0.8299 (0.7008~ 0.9828)
HECW2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0476	1.6345 (1.0053~ 2.6576)
HELB	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0057	0.2295 (0.0809~ 0.6515)
HELLS	Acute Myeloid Leukemia	Inverse variance weighted	36	0.0343	0.7466 (0.5696~ 0.9786)
HERC2P10	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0426	1.1141 (1.0036~ 1.2367)
HERPUD2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0054	1.9286 (1.2140~ 3.0638)
HES6	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0361	1.4143 (1.0227~ 1.9558)
HEY1	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0213	1.3011 (1.0400~ 1.6279)
HIATL1	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0028	1.2666 (1.0847~ 1.4790)
HIST1H4H	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0448	1.2408 (1.0050~ 1.5319)
HIST4H4	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0012	0.3716 (0.2045~ 0.6752)
HLA-DPA1	Acute Myeloid Leukemia	Inverse variance weighted	41	<0.001	1.3198 (1.1214~ 1.5532)
HLA-DPB2	Acute Myeloid Leukemia	Inverse variance weighted	40	<0.001	0.6936 (0.5683~ 0.8465)
HLA-DQA2	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0232	1.1234 (1.0160~ 1.2421)
HLA-DRB1	Acute Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.8222 (0.7394~ 0.9142)
HLA-DRB6	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0120	1.3412 (1.0667~ 1.6863)
HLA-E	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0028	0.5774 (0.4026~ 0.8281)
HLCS	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0148	1.3294 (1.0573~ 1.6716)
HLTF	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0154	0.5178 (0.3040~ 0.8821)
HMGCR	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0021	0.2979 (0.1379~ 0.6436)
HNRPLL	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0197	1.8546 (1.1035~ 3.1169)
HOXA1	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0103	2.3285 (1.2211~ 4.4404)
HOXA2	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0364	1.5344 (1.0274~ 2.2916)
HOXA5	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	2.1944 (1.4583~ 3.3021)
HPCAL4	Acute Myeloid Leukemia	Inverse variance weighted	66	0.0178	0.8395 (0.7264~ 0.9702)
HRAS	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0310	0.6669 (0.4615~ 0.9637)
HS1BP3	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0107	4.0000 (1.3799~ 11.5947)
HSD17B1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0073	1.9911 (1.2043~ 3.2919)
HSD17B11	Acute Myeloid Leukemia	Inverse variance weighted	39	<0.001	1.5566 (1.2675~ 1.9116)
HSD17B1P1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0465	1.3947 (1.0052~ 1.9351)
HSDL2	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0471	1.2304 (1.0027~ 1.5098)
HSP90AA1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0051	0.5409 (0.3518~ 0.8315)
IBA57	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0441	0.6375 (0.4112~ 0.9883)
ICMT	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0015	2.2104 (1.3565~ 3.6018)
IFI27L1	Acute Myeloid Leukemia	Inverse variance weighted	34	<0.001	1.3894 (1.1460~ 1.6846)
IFITM10	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0392	2.8926 (1.0539~ 7.9388)
IFITM5	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0330	0.6687 (0.4620~ 0.9679)
IFNG-AS1	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0386	1.1422 (1.0070~ 1.2956)
IGF1R	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0104	0.5537 (0.3523~ 0.8701)
IGFBP3	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0210	1.3880 (1.0507~ 1.8336)
IGFBP6	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0171	0.2489 (0.0794~ 0.7804)

IGFBP7	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0026	1.6496 (1.1914− 2.2840)
IGFLR1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0084	1.4035 (1.0910− 1.8055)
IGHMBP2	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0016	1.3415 (1.1181− 1.6095)
IGHV3−20	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0102	1.2114 (1.0465− 1.4023)
IGHV3−48	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0475	0.8312 (0.6923− 0.9980)
IGHV4−39	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0145	1.1747 (1.0324− 1.3365)
IGLV1−41	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0155	0.8376 (0.7257− 0.9668)
IGLV3−1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0279	0.6838 (0.4873− 0.9596)
IGLV3−12	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0387	0.8945 (0.8048− 0.9942)
IGLV5−37	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.2803 (1.1074− 1.4802)
IGLV9−49	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	1.2729 (1.1051− 1.4662)
IKZF3	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0139	0.7148 (0.5470− 0.9341)
IL12RB1	Acute Myeloid Leukemia	Inverse variance weighted	35	<0.001	0.6652 (0.5317− 0.8322)
IL16	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0067	1.4243 (1.1031− 1.8389)
IL17RB	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0023	2.3994 (1.3668− 4.2122)
IL21R	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0076	0.6062 (0.4197− 0.8756)
IL4R	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0489	0.6462 (0.4184− 0.9980)
ILDR1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0014	0.3300 (0.1669− 0.6524)
IMP4	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0214	1.4717 (1.0590− 2.0452)
IMPAD1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0172	0.3019 (0.1127− 0.8086)
IMPDH1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0433	2.1369 (1.0233− 4.4626)
INADL	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	0.5098 (0.3600− 0.7220)
INF2	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0316	0.7918 (0.6399− 0.9796)
INO80C	Acute Myeloid Leukemia	Inverse variance weighted	30	<0.001	0.6060 (0.4539− 0.8090)
INPP5E	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0348	1.2183 (1.0142− 1.4636)
INSIG2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0192	1.8407 (1.1045− 3.0676)
INTS6	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0237	1.5671 (1.0618− 2.3130)
IPCEF1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0240	0.4672 (0.2412− 0.9049)
IPMK	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0090	1.2630 (1.0599− 1.5050)
IPP	Acute Myeloid Leukemia	Inverse variance weighted	24	<0.001	1.8174 (1.3671− 2.4161)
IQCE	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0246	0.4092 (0.1877− 0.8919)
IRS1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0346	0.6224 (0.4008− 0.9663)
ISCA1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0081	0.7645 (0.6268− 0.9325)
ISCU	Acute Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.5281 (0.3619− 0.7706)
ISL2	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0059	0.6537 (0.4830− 0.8849)
ITGA9	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0027	1.8380 (1.2342− 2.7372)
ITGAD	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0020	1.4507 (1.1457− 1.8369)
ITGAX	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0469	1.1427 (1.0018− 1.3035)
ITGB2	Acute Myeloid Leukemia	Inverse variance weighted	35	<0.001	1.3371 (1.1362− 1.5735)
ITK	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0271	1.7245 (1.0637− 2.7957)
ITM2B	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0460	0.6596 (0.4384− 0.9926)
IVD	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0097	1.2482 (1.0551− 1.4765)
JMJD4	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0175	1.7254 (1.1004− 2.7054)
JMY	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0334	0.7420 (0.5636− 0.9768)
JRK	Acute Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.1277 (0.0441− 0.3692)
JUP	Acute Myeloid Leukemia	Inverse variance weighted	57	0.0249	1.1385 (1.0165− 1.2752)
KALRN	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0354	1.9887 (1.0482− 3.7731)
KAT6A	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	2.5256 (1.5190− 4.1993)
KATNBL1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0230	2.0360 (1.1031− 3.7580)
KB−431C1.3	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0026	1.2861 (1.0918− 1.5149)
KB−431C1.4	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0031	1.2367 (1.0744− 1.4236)
KBTBD11	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0272	0.7851 (0.6334− 0.9731)
KCNH8	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0081	8.2581 (1.7288− 39.4465)
KCNJ10	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0380	0.4030 (0.1708− 0.9507)
KCNMA1	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0434	0.8127 (0.6645− 0.9939)
KCTD2	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0410	0.7336 (0.5450− 0.9874)
KHDRBS3	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0027	8.9412 (2.1334− 37.4728)
KHNYN	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0012	1.3725 (1.1325− 1.6634)
KIAA0319L	Acute Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.3003 (0.1631− 0.5532)
KIAA1143	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0030	1.7082 (1.1993− 2.4332)
KIAA1147	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0124	4.0544 (1.3539− 12.1413)
KIAA1467	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0209	0.4665 (0.2442− 0.8911)
KIAA1586	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0189	0.4609 (0.2414− 0.8799)
KIAA1683	Acute Myeloid Leukemia	Inverse variance weighted	47	<0.001	1.6000 (1.2989− 1.9709)
KIF2A	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	5.4495 (2.4145− 12.2996)
KIR3DX1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0446	0.5599 (0.3179− 0.9862)
KLC3	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0016	0.4872 (0.3117− 0.7616)
KLF2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0261	0.2689 (0.0846− 0.8550)
KLHDC10	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0345	0.7504 (0.5750− 0.9792)
KLHDC7B	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0088	4.0062 (1.4188− 11.3118)
KLHL5	Acute Myeloid Leukemia	Inverse variance weighted	53	0.0440	1.1903 (1.0047− 1.4101)
KLRB1	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	2.8919 (1.8940− 4.4153)
KLRC2	Acute Myeloid Leukemia	Inverse variance weighted	30	<0.001	1.5111 (1.2278− 1.8597)
KPNA3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0189	0.3597 (0.1532− 0.8447)
KPTN	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0345	0.4462 (0.2111− 0.9429)
KRT10	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0037	0.6105 (0.4374− 0.8520)
KRT77	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0492	3.3538 (1.0041− 11.2020)
KRT86	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0204	1.7370 (1.0891− 2.7704)
L3MBTL2	Acute Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.5385 (0.3918− 0.7402)
LAMC3	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	1.9168 (1.4293− 2.5705)
LAMP5	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0122	0.7072 (0.5393− 0.9273)
LAMTOR4	Acute Myeloid Leukemia	Inverse variance weighted	18	<0.001	2.2516 (1.6441− 3.0836)
LAPTM5	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0287	0.7390 (0.5637− 0.9690)
LARS	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0348	2.0955 (1.0543− 4.1650)
LBH	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0253	0.7137 (0.5311− 0.9590)
LCLAT1	Acute Myeloid Leukemia	Inverse variance weighted	82	<0.001	1.2717 (1.1436− 1.4141)
LEMD2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0218	0.5327 (0.3110− 0.9126)
LEPR	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0113	1.2929 (1.0597− 1.5774)
LEPROTL1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0364	0.6311 (0.4101− 0.9712)
LGALS12	Acute Myeloid Leukemia	Inverse variance weighted	25	<0.001	1.8891 (1.3314− 2.6805)
LGALS9C	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0421	0.9032 (0.8188− 0.9964)
LIMK1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0059	1.3191 (1.0833− 1.6063)
LINC00173	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0244	0.3539 (0.1432− 0.8745)
LINC00243	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0128	0.8321 (0.7199− 0.9617)
LINC00265	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	1.3060 (1.1420− 1.4935)
LINC00324	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0235	0.8284 (0.7039− 0.9749)
LINC00422	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0106	1.2615 (1.0556− 1.5076)
LINC00493	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0032	1.4126 (1.1227− 1.7774)
LINC00525	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0011	2.6689 (1.4773− 4.8217)
LINC00639	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0409	0.8385 (0.7082− 0.9927)
LINGO2	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0031	0.6876 (0.5366− 0.8813)
LINGO4	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0021	0.5203 (0.3429− 0.7894)
LIPN	Acute Myeloid Leukemia	Inverse variance weighted	69	0.0401	1.1492 (1.0063− 1.3125)
LIPT1	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0014	1.3679 (1.1286− 1.6580)
LL22NC03−2H8.4	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0040	0.7286 (0.5872− 0.9040)
LL22NC03−80A10.6	Acute Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.8065 (0.7195− 0.9040)
LMAN2L	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0464	0.5249 (0.2784− 0.9897)
LMCD1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0299	1.6781 (1.0516− 2.6778)
LMF2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0068	2.8051 (1.3283− 5.9238)
LMNB2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0314	0.4048 (0.1776− 0.9227)
LNPEP	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0011	1.7036 (1.2373− 2.3456)
LOH12CR1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0358	0.5098 (0.2718− 0.9563)
LPCAT2	Acute Myeloid Leukemia	Inverse variance weighted	59	0.0057	0.8152 (0.7052− 0.9424)
LPHN1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0461	1.9378 (1.0115− 3.7123)
LRCH4	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0399	1.7796 (1.0268− 3.0843)
LRFN2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0445	0.6673 (0.4498− 0.9901)
LRGUK	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0235	1.2236 (1.0276− 1.4570)
LRIG1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0401	0.7612 (0.5865− 0.9878)
LRRC25	Acute Myeloid Leukemia	Inverse variance weighted	57	0.0342	0.8238 (0.6885− 0.9857)
LRRC37A2	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0344	0.8781 (0.7785− 0.9905)
LRRC4	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0023	2.8687 (1.4552− 5.6550)
LRRC48	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0083	0.4853 (0.2837− 0.8302)
LRRC57	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0181	1.7305 (1.0980− 2.7273)
LRRK2	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0130	1.3766 (1.0697− 1.7716)
LTBP4	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0270	1.5599 (1.0520− 2.3132)
LY9	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0092	0.5531 (0.3543− 0.8635)
LYN	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0451	0.4854 (0.2394− 0.9842)
M6PR	Acute Myeloid Leukemia	Inverse variance weighted	33	<0.001	1.5626 (1.2259− 1.9917)
MAD2L1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0436	0.6274 (0.3989− 0.9867)
MAGOH2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0295	1.2646 (1.0236− 1.5623)
MAN1A1	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0276	0.7135 (0.5284− 0.9635)
MANF	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0463	0.2919 (0.0869− 0.9803)
MAP3K11	Acute Myeloid Leukemia	Inverse variance weighted	54	0.0042	0.7594 (0.6288− 0.9171)
MAP3K8	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0144	0.6277 (0.4324− 0.9113)
MAP7D1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0234	1.3923 (1.0458− 1.8535)
MAPKBIP1	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	1.4350 (1.1841− 1.7391)
MAPRE2	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0336	1.5736 (1.0357− 2.3908)
MAPRE3	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	0.3737 (0.2187− 0.6384)
6−Mar	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0455	0.7601 (0.5809− 0.9945)
7−Mar	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0158	0.4137 (0.2021− 0.8470)
8−Mar	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0474	0.4959 (0.2479− 0.9920)
MARK4	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0407	1.3680 (1.0133− 1.8469)
MAST2	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	4.7393 (1.9458− 11.5434)
MAST3	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.4003 (0.2428− 0.6601)
MAT2A	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0348	1.5338 (1.0310− 2.2817)
MCC	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	1.7755 (1.2740− 2.4742)
MCEE	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0012	1.7676 (1.2509− 2.4978)
MCL1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0375	0.5437 (0.3062− 0.9654)
MCMBP	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0015	1.4135 (1.1420− 1.7495)
MCPH1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0023	0.2896 (0.1307− 0.6416)
MEG3	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0035	0.7639 (0.6375− 0.9155)

MEGF9	Acute Myeloid Leukemia	Inverse variance weighted	34	<0.001	1.4730 (1.1893~ 1.8244)
MEPCE	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0293	1.7243 (1.0563~ 2.8148)
METAP1D	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0183	0.2214 (0.0633~ 0.7745)
METTL21B	Acute Myeloid Leukemia	Inverse variance weighted	85	0.0462	1.0981 (1.0016~ 1.2040)
METTL22	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0234	1.3454 (1.0410~ 1.7387)
METTL2B	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0348	1.4519 (1.0270~ 2.0527)
MFGE8	Acute Myeloid Leukemia	Inverse variance weighted	25	<0.001	1.5349 (1.2345~ 1.9083)
MFSD5	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0369	1.4419 (1.0224~ 2.0334)
MGAT2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0251	0.4003 (0.1796~ 0.8921)
MGAT4A	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0340	3.4204 (1.0872~ 10.6631)
MGST1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0150	1.8769 (1.1303~ 3.1167)
MGST3	Acute Myeloid Leukemia	Inverse variance weighted	57	0.0211	1.1473 (1.0208~ 1.2894)
MICALCL	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0492	0.7568 (0.5733~ 0.9990)
MIR1250	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0028	2.4920 (1.3694~ 4.5349)
MITD1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0229	0.5689 (0.3499~ 0.9250)
MLK4	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	0.3317 (0.1879~ 0.5856)
MLLT11	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.4473 (0.2808~ 0.7125)
MLX	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0108	0.3441 (0.1515~ 0.7813)
MMAB	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0154	1.8489 (1.1248~ 3.0389)
MMACHC	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0308	0.4711 (0.2379~ 0.9329)
MMS22L	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0073	0.2959 (0.1216~ 0.7199)
MN1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0205	0.3755 (0.1639~ 0.8599)
MOB3B	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0033	6.0446 (1.8211~ 20.0636)
MOB3C	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0334	0.7470 (0.5710~ 0.9773)
MOCOS	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0115	1.9503 (1.1620~ 3.2736)
MON1B	Acute Myeloid Leukemia	Inverse variance weighted	61	0.0069	0.7958 (0.6742~ 0.9393)
MON2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0077	3.3245 (1.3749~ 8.0384)
MORC3	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0015	1.6010 (1.1965~ 2.1423)
MPND	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0051	0.5832 (0.3999~ 0.8507)
MPP5	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0048	0.2354 (0.0861~ 0.6437)
MPZL2	Acute Myeloid Leukemia	Inverse variance weighted	73	0.0058	1.2137 (1.0576~ 1.3929)
MPZL3	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0304	1.5688 (1.0435~ 2.3583)
MRPL19	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0240	0.6782 (0.4840~ 0.9502)
MRPL21	Acute Myeloid Leukemia	Inverse variance weighted	71	0.0082	0.8360 (0.7320~ 0.9547)
MRPL32	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0141	2.6041 (1.2132~ 5.5899)
MRPL38	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0366	0.3957 (0.1659~ 0.9437)
MRPL4	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0157	0.3830 (0.1758~ 0.8342)
MRPL42	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0260	1.3528 (1.0368~ 1.7650)
MRPL48	Acute Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.6993 (0.5661~ 0.8637)
MRPL50	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.0975 (1.3709~ 3.2092)
MRVI1-AS1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0274	0.7535 (0.5860~ 0.9689)
MS4A14	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0035	0.8077 (0.6999~ 0.9321)
MS4A6A	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0025	1.4424 (1.1377~ 1.8286)
MSR1	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0092	0.7213 (0.5640~ 0.9225)
MSRB2	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0095	1.3039 (1.0670~ 1.5934)
MTHFD1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0021	0.4940 (0.3152~ 0.7743)
MTRF1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0253	0.5455 (0.3207~ 0.9279)
MTX2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0349	0.3659 (0.1438~ 0.9311)
MUT	Acute Myeloid Leukemia	Inverse variance weighted	59	0.0228	0.8582 (0.7524~ 0.9789)
MUTYH	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0085	2.1579 (1.2165~ 3.8279)
MVK	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0016	6.6610 (2.0521~ 21.6210)
MYBL2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0233	0.5819 (0.3645~ 0.9290)
MYBPC3	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0117	1.2196 (1.0451~ 1.4233)
MYH10	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0251	0.3138 (0.1138~ 0.8650)
MYL5	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0432	0.7263 (0.5327~ 0.9902)
MYL9	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0393	0.2257 (0.0548~ 0.9299)
MYLK4	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0213	0.7761 (0.6254~ 0.9630)
MYO15A	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0365	4.0836 (1.0926~ 15.2627)
MYO1D	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0076	1.6060 (1.1342~ 2.2741)
MYO7A	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0280	1.8373 (1.0680~ 3.1608)
N4BP2	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0149	1.2484 (1.0443~ 1.4923)
N4BP2L2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0409	0.6845 (0.4759~ 0.9844)
NAALAD2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0392	3.8788 (1.0695~ 14.0673)
NAGA	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0361	1.5654 (1.0294~ 2.3806)
NAGK	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0088	1.1978 (1.0466~ 1.3709)
NAGPA	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0139	1.3555 (1.0639~ 1.7271)
NAPRT1	Acute Myeloid Leukemia	Inverse variance weighted	71	0.0224	1.1110 (1.0150~ 1.2160)
NCK1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0156	4.2050 (1.3131~ 13.4664)
NCKIPSD	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0147	0.5500 (0.3403~ 0.8891)
NCOA7	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0070	0.5839 (0.3949~ 0.8634)
NCSTN	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0470	0.8083 (0.6553~ 0.9971)
NDRG4	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0175	0.3226 (0.1268~ 0.8206)
NDUFA12	Acute Myeloid Leukemia	Inverse variance weighted	72	0.0036	1.2312 (1.0702~ 1.4163)
NDUFA6	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0047	0.6831 (0.5244~ 0.8899)
NDUFAF3	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0198	0.3186 (0.1217~ 0.8342)
NDUFS4	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0381	1.9650 (1.0376~ 3.7213)
NEIL2	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0443	0.8381 (0.7055~ 0.9955)
NEK3	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0045	1.7432 (1.1882~ 2.5576)
NELFCD	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0377	0.8436 (0.7186~ 0.9904)
NELL2	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0167	1.3076 (1.0497~ 1.6289)
NFKBIE	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0262	1.5218 (1.0510~ 2.2034)
NFYA	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0196	1.8363 (1.1021~ 3.0596)
NICN1	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0012	1.7003 (1.2331~ 2.3447)
NINJ2	Acute Myeloid Leukemia	Inverse variance weighted	25	<0.001	1.4746 (1.1880~ 1.8302)
NLGN2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0094	4.4119 (1.4394~ 13.5224)
NLRC3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0055	1.4217 (1.1092~ 1.8222)
NLRC4	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0012	0.4911 (0.3196~ 0.7548)
NLRP6	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0160	1.7886 (1.1144~ 2.8707)
NMD3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0133	1.7156 (1.1188~ 2.6307)
NME8	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0253	1.2559 (1.0285~ 1.5336)
NMRK1	Acute Myeloid Leukemia	Inverse variance weighted	63	0.0011	0.8251 (0.7354~ 0.9257)
NMT2	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0215	1.2278 (1.0307~ 1.4627)
NOP10	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0128	1.2698 (1.0520~ 1.5327)
NOTCH4	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0023	0.4281 (0.2483~ 0.7379)
NPAT	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0487	2.4370 (1.0052~ 5.9084)
NPHP4	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0048	0.6711 (0.5086~ 0.8857)
NR2C2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0084	0.2744 (0.1048~ 0.7182)
NRIP3	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0151	0.3812 (0.1751~ 0.8296)
NRN1	Acute Myeloid Leukemia	Inverse variance weighted	17	<0.001	0.4906 (0.3222~ 0.7470)
NSUN4	Acute Myeloid Leukemia	Inverse variance weighted	53	0.0119	1.2451 (1.0496~ 1.4770)
NSUN6	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0023	0.5793 (0.4076~ 0.8232)
NTNG2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0191	0.4063 (0.1913~ 0.8631)
NUCKS1	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0122	1.4203 (1.0795~ 1.8687)
NUDT9	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0130	0.5004 (0.2899~ 0.8640)
NUMB	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0160	1.7566 (1.1106~ 2.7785)
NUP107	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0219	1.2439 (1.0322~ 1.4990)
NUP88	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0175	1.3264 (1.0506~ 1.6746)
NXF1	Acute Myeloid Leukemia	Inverse variance weighted	17	<0.001	3.2714 (2.0001~ 5.3508)
OAS1	Acute Myeloid Leukemia	Inverse variance weighted	67	0.0250	1.1751 (1.0205~ 1.3531)
ODF3B	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0059	1.4666 (1.1164~ 1.9267)
OLAH	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0421	2.9315 (1.0392~ 8.2697)
OLFM1	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0212	1.1994 (1.0275~ 1.3999)
OLFM4	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0073	0.7788 (0.6487~ 0.9350)
OR13A1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0408	0.7248 (0.5325~ 0.9866)
OR2A9P	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0396	1.2565 (1.0109~ 1.5618)
ORMDL3	Acute Myeloid Leukemia	Inverse variance weighted	81	0.0208	1.1421 (1.0204~ 1.2782)
OSBP2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0159	3.1567 (1.2396~ 8.0388)
OSBPL3	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0203	1.3702 (1.0501~ 1.7877)
OSGEP	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0034	0.7325 (0.5949~ 0.9019)
OTOF	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0270	1.5917 (1.0543~ 2.4031)
OTUD6B	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0046	4.9429 (1.6353~ 14.9404)
P2RX1	Acute Myeloid Leukemia	Inverse variance weighted	45	<0.001	0.7896 (0.6896~ 0.9040)
P2RX6	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0435	1.6866 (1.0153~ 2.8017)
P2RY14	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0454	0.6939 (0.4851~ 0.9925)
P4HTM	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0118	0.6552 (0.4716~ 0.9104)
PABPC1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0153	0.5505 (0.3398~ 0.8920)
PAFAH1B1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0087	0.5105 (0.3089~ 0.8436)
PANK2	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0048	0.6181 (0.4425~ 0.8633)
PAQR6	Acute Myeloid Leukemia	Inverse variance weighted	65	0.0452	0.8879 (0.7903~ 0.9975)
PARP10	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0482	1.5093 (1.0032~ 2.2706)
PAX8	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0208	1.2273 (1.0316~ 1.4601)
PBX2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0452	1.6761 (1.0111~ 2.7785)
PCCA	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0429	1.4332 (1.0115~ 2.0308)
PCED1B	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0047	1.4298 (1.1157~ 1.8324)
PCK2	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0022	0.6816 (0.5335~ 0.8708)
PCNT	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0440	0.8245 (0.6834~ 0.9948)
PCNXL3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0070	0.3383 (0.1539~ 0.7435)
PDCD1LG2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0080	1.7099 (1.1501~ 2.5423)
PDCD4	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0400	1.5983 (1.0216~ 2.5006)
PDCL3P4	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0150	0.3979 (0.1894~ 0.8360)
PDE5A	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0475	2.0451 (1.0079~ 4.1499)
PDE6B	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0494	1.6366 (1.0012~ 2.6754)
PDE7A	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0121	0.3458 (0.1509~ 0.7924)
PDGFA	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0081	1.8192 (1.1682~ 2.8330)
PDHB	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0239	1.4614 (1.0514~ 2.0312)
PEBP1	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0058	1.4061 (1.1036~ 1.7916)
PEG10	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0191	2.2792 (1.1443~ 4.5396)
PELO	Acute Myeloid Leukemia	Inverse variance weighted	40	0.0052	0.7649 (0.6338~ 0.9233)
PES1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0201	0.4083 (0.1918~ 0.8691)
PEX14	Acute Myeloid Leukemia	Inverse variance weighted	14	<0.001	2.2280 (1.3860~ 3.5813)
PEX2	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	0.3379 (0.2051~ 0.5566)
PFDN1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0039	0.4538 (0.2653~ 0.7763)

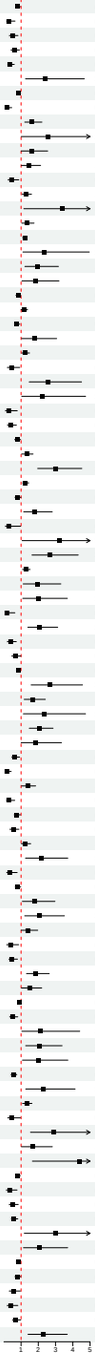
PFN2	Acute Myeloid Leukemia	Inverse variance weighted	55	0.0061	0.7795 (0.6524~ 0.9313)
PGAP3	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0011	1.5778 (1.2005~ 2.0737)
PHACTR2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0200	0.4266 (0.2081~ 0.8746)
PHF11	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0196	1.4655 (1.0631~ 2.0202)
PHF3	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0058	7.1941 (1.7690~ 29.2573)
PHKG1	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	0.4717 (0.3298~ 0.6747)
PHLDB3	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	1.5944 (1.2886~ 1.9728)
PHLPP1	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0425	0.7037 (0.5012~ 0.9882)
PHTF1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0103	1.9201 (1.1663~ 3.1612)
PIAS4	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0043	2.0178 (1.2458~ 3.2682)
PIDD	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0030	0.6109 (0.4412~ 0.8459)
PIGG	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0066	3.0656 (1.3657~ 6.8816)
PIGV	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0026	0.5649 (0.3897~ 0.8189)
PIGW	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0021	0.5097 (0.3318~ 0.7830)
PIGZ	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0188	1.3680 (1.0532~ 1.7768)
PIK3C2A	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0046	1.3402 (1.0945~ 1.6411)
PIK3R3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0069	1.5975 (1.1373~ 2.2439)
PIM3	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0151	0.7323 (0.5696~ 0.9416)
PIN1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0465	4.4798 (1.0235~ 19.6076)
PINLYP	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0392	0.4819 (0.2408~ 0.9645)
PIP4K2A	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0054	4.3756 (1.5455~ 12.3880)
PIP4K2C	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0040	0.2097 (0.0724~ 0.6076)
PISD	Acute Myeloid Leukemia	Inverse variance weighted	91	0.0050	1.1867 (1.0529~ 1.3375)
PITPNC1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0238	1.6499 (1.0688~ 2.5470)
PKD2	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0379	1.2978 (1.0147~ 1.6599)
PKIB	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0445	0.6519 (0.4295~ 0.9895)
PLA2G16	Acute Myeloid Leukemia	Inverse variance weighted	73	0.0081	0.8476 (0.7500~ 0.9580)
PLA2G4A	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0207	0.4226 (0.2037~ 0.8769)
PLBD1	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0290	1.5293 (1.0444~ 2.2392)
PLCB1	Acute Myeloid Leukemia	Inverse variance weighted	41	<0.001	1.5357 (1.2379~ 1.9051)
PLCD1	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.4148 (0.2510~ 0.6854)
PLCH2	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0233	0.8348 (0.7142~ 0.9758)
PLCL2	Acute Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.4600 (0.3223~ 0.6565)
PLEC	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0014	1.7050 (1.2288~ 2.3656)
PLEKHM1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0055	0.4182 (0.2261~ 0.7734)
PLS1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0186	4.2666 (1.2749~ 14.2790)
PLTP	Acute Myeloid Leukemia	Inverse variance weighted	59	<0.001	0.7324 (0.6151~ 0.8721)
PM20D1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0077	1.5945 (1.1315~ 2.2469)
PMS1	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.7452 (1.2598~ 2.4175)
PNKD	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0044	1.3212 (1.0907~ 1.6004)
PNMA2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0274	0.3828 (0.1631~ 0.8986)
PNN	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0269	0.3092 (0.1093~ 0.8746)
PNPLA6	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0349	2.2574 (1.0594~ 4.8098)
POC5	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0134	0.7645 (0.6180~ 0.9458)
POLDIP2	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0274	0.4917 (0.2617~ 0.9241)
POLR1D	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0345	0.8294 (0.6974~ 0.9865)
POLR2D	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0080	0.6211 (0.4368~ 0.8832)
POLR2I	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0068	0.5211 (0.3251~ 0.8352)
POMGNT1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0348	0.6418 (0.4251~ 0.9687)
POP5	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0194	0.6231 (0.4191~ 0.9263)
POR	Acute Myeloid Leukemia	Inverse variance weighted	56	0.0061	1.3149 (1.0812~ 1.5991)
PPAP2B	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0359	0.3104 (0.1041~ 0.9257)
PPAPDC2	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0089	0.7149 (0.5558~ 0.9195)
PPARA	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0461	0.2770 (0.0785~ 0.9780)
PPARGC1A	Acute Myeloid Leukemia	Inverse variance weighted	39	<0.001	0.5817 (0.4753~ 0.7119)
PPP1R17	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0157	0.7086 (0.5358~ 0.9370)
PPP2R1A	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0014	2.8511 (1.5014~ 5.4141)
PPP2R1B	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0149	1.5780 (1.0929~ 2.2785)
PPP4R4	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0056	1.5183 (1.1302~ 2.0397)
PPP6R3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0019	0.3037 (0.1433~ 0.6436)
PPT2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0042	0.4296 (0.2409~ 0.7661)
PRKCB	Acute Myeloid Leukemia	Inverse variance weighted	54	0.0402	0.8255 (0.6872~ 0.9915)
PRKCQ-AS1	Acute Myeloid Leukemia	Inverse variance weighted	60	0.0162	0.8621 (0.7640~ 0.9729)
PRKD1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0345	0.6786 (0.4738~ 0.9721)
PRSS22	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0317	0.5654 (0.3361~ 0.9514)
PRSS23	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0264	0.2292 (0.0625~ 0.8411)
PRSS57	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0189	1.3101 (1.0457~ 1.6414)
PSD4	Acute Myeloid Leukemia	Inverse variance weighted	65	0.0295	0.8522 (0.7378~ 0.9842)
PSMB7	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0163	0.4172 (0.2044~ 0.8515)
PSMD8	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0020	6.3252 (1.9655~ 20.3553)
PSMG3-AS1	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0086	1.3247 (1.0740~ 1.6338)
PSRC1	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0108	1.3899 (1.0789~ 1.7904)
PTBP3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0096	0.5151 (0.3118~ 0.8510)
PTGDS	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0150	0.5572 (0.3479~ 0.8925)
PTGIR	Acute Myeloid Leukemia	Inverse variance weighted	23	<0.001	2.0511 (1.4389~ 2.9238)
PTGR1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0042	1.8789 (1.2194~ 2.8953)
PTK2B	Acute Myeloid Leukemia	Inverse variance weighted	44	<0.001	1.4732 (1.1699~ 1.8552)
PTPN22	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0060	0.5184 (0.3245~ 0.8280)
PUS10	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0065	0.7003 (0.5419~ 0.9049)
PVR	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	3.4774 (1.7052~ 7.0912)
PWWP2B	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0484	0.4786 (0.2302~ 0.9949)
QRICH1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0033	1.8954 (1.2375~ 2.9032)
QSOX1	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0087	0.7726 (0.6371~ 0.9368)
R3HCC1L	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0216	0.7517 (0.5892~ 0.9590)
RAB15	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0264	1.4575 (1.0452~ 2.0323)
RAB21	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0101	1.7264 (1.1386~ 2.6177)
RAB34	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0401	0.6627 (0.4474~ 0.9816)
RAB3IL1	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	1.5944 (1.2278~ 2.0704)
RAB40B	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0192	0.4672 (0.2471~ 0.8831)
RABGGTA	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0203	0.2130 (0.0577~ 0.7865)
RAD23B	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.3100 (0.1768~ 0.5437)
RAD54B	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0041	1.5441 (1.1473~ 2.0783)
RAI1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0242	2.3704 (1.1190~ 5.0210)
RAMP3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0335	1.6229 (1.0385~ 2.5361)
RAP1GAP2	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0446	1.6581 (1.0123~ 2.7162)
RASA4CP	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0161	0.8643 (0.7674~ 0.9733)
RASA4DP	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0105	1.2131 (1.0463~ 1.4064)
RASL11A	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0259	2.1125 (1.0938~ 4.0796)
RBBP9	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0094	0.4807 (0.2766~ 0.8355)
RBKS	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0057	0.2260 (0.0788~ 0.6480)
RBL2	Acute Myeloid Leukemia	Inverse variance weighted	71	<0.001	0.7608 (0.6659~ 0.8693)
RBM15B	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0350	1.8702 (1.0450~ 3.3471)
RBM17	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0043	0.3948 (0.2086~ 0.7473)
RBM25	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0212	2.4758 (1.1450~ 5.3533)
RBM27	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0020	0.1260 (0.0339~ 0.4688)
RBM28	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0066	2.3260 (1.2652~ 4.2762)
RCAN1	Acute Myeloid Leukemia	Inverse variance weighted	3	<0.001	15.2044 (3.4614~ 66.7859)
RCC1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0359	1.4146 (1.0231~ 1.9560)
RECQL5	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0450	2.0187 (1.0157~ 4.0120)
REEP4	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0290	1.3500 (1.0312~ 1.7672)
REEP5	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0366	1.3640 (1.0195~ 1.8249)
REM2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0406	1.5551 (1.0191~ 2.3730)
REV1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0034	2.0326 (1.2649~ 3.2660)
RFPL4A	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0352	0.8532 (0.7361~ 0.9890)
RFTN1	Acute Myeloid Leukemia	Inverse variance weighted	23	<0.001	2.2078 (1.4230~ 3.4255)
RFWD3	Acute Myeloid Leukemia	Inverse variance weighted	44	<0.001	0.7100 (0.5851~ 0.8615)
RGCC	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0097	1.8087 (1.1547~ 2.8333)
RGS12	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0012	0.5962 (0.4364~ 0.8144)
RGS17	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0452	0.7496 (0.5654~ 0.9939)
RGS6	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0409	0.4760 (0.2336~ 0.9699)
RIN2	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0350	0.4830 (0.2455~ 0.9502)
RMND1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0205	1.5638 (1.0714~ 2.2824)
RNASE2	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0012	0.7347 (0.6096~ 0.8854)
RNASE3	Acute Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.6627 (0.5495~ 0.7994)
RNASEH1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0208	5.1403 (1.2827~ 20.5996)
RNF13	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	1.6985 (1.2710~ 2.2697)
RNF135	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0106	0.1932 (0.0548~ 0.6819)
RNF138	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0207	0.6681 (0.4748~ 0.9402)

RNF14	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0048	1.3557 (1.0971~ 1.6753)
RNF207	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0215	1.5551 (1.0674~ 2.2657)
RNF24	Acute Myeloid Leukemia	Inverse variance weighted	19	<0.001	0.4982 (0.3348~ 0.7412)
RNF7	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0075	0.4894 (0.2899~ 0.8262)
ROBO3	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0112	0.8055 (0.6814~ 0.9521)
RP1-167A14.2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0388	0.8663 (0.7560~ 0.9927)
RP11-1000B6.3	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0248	1.9866 (1.0910~ 3.6172)
RP11-1094M14.5	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0213	0.7743 (0.6227~ 0.9627)
RP11-10O17.1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0372	0.6294 (0.4072~ 0.9730)
RP11-1277A3.1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0184	0.7522 (0.5936~ 0.9531)
RP11-134G8.7	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0141	1.5697 (1.0953~ 2.2497)
RP11-137H2.4	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0469	1.1100 (1.0014~ 1.2303)
RP11-147L13.8	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0077	1.2149 (1.0530~ 1.4018)
RP11-162D16.2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0298	1.6698 (1.0514~ 2.6517)
RP11-169K16.9	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0195	1.3891 (1.0544~ 1.8300)
RP11-16E12.1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0048	0.5118 (0.3215~ 0.8148)
RP11-173M1.8	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0150	1.3140 (1.0545~ 1.6373)
RP11-186N15.3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0413	1.3928 (1.0131~ 1.9146)
RP11-18I14.10	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0215	0.6335 (0.4293~ 0.9348)
RP11-195E2.1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0050	1.2662 (1.0736~ 1.4933)
RP11-202P11.1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0464	0.6610 (0.4398~ 0.9934)
RP11-203M5.7	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0142	0.7014 (0.5283~ 0.9313)
RP11-229P13.19	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0324	0.8845 (0.7905~ 0.9898)
RP11-22B23.1	Acute Myeloid Leukemia	Inverse variance weighted	54	0.0093	1.1229 (1.0289~ 1.2255)
RP11-234K19.2	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0119	0.8303 (0.7182~ 0.9598)
RP11-23J9.5	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0343	1.9089 (1.0491~ 3.4733)
RP11-252K23.2	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0018	1.2397 (1.0834~ 1.4186)
RP11-254F19.2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0060	1.7530 (1.1745~ 2.6163)
RP11-256L6.2	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0185	1.2149 (1.0332~ 1.4286)
RP11-259P6.1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0311	0.4473 (0.2152~ 0.9296)
RP11-278A23.2	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0172	0.8386 (0.7255~ 0.9692)
RP11-290F5.1	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.5617 (0.4323~ 0.7298)
RP11-290F5.2	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0394	2.3812 (1.0430~ 5.4363)
RP11-295P9.3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0363	0.8734 (0.7694~ 0.9914)
RP11-297B17.3	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.5319 (1.2026~ 1.9513)
RP11-308N19.1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0183	0.7339 (0.5675~ 0.9490)
RP11-317J10.2	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0012	1.3128 (1.1138~ 1.5473)
RP11-324O2.3	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0205	0.6626 (0.4678~ 0.9387)
RP11-342D11.3	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0033	0.6929 (0.5423~ 0.8854)
RP11-349A22.5	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0327	1.5284 (1.0356~ 2.2558)
RP11-34F20.5	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0042	0.7355 (0.5960~ 0.9078)
RP11-350F4.2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0017	1.9198 (1.2763~ 2.8878)
RP11-378A13.1	Acute Myeloid Leukemia	Inverse variance weighted	36	0.0194	1.1196 (1.0184~ 1.2309)
RP11-383B4.4	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0185	1.3015 (1.0453~ 1.6205)
RP11-384K6.2	Acute Myeloid Leukemia	Inverse variance weighted	36	0.0331	1.1393 (1.0105~ 1.2845)
RP11-384K6.6	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0048	1.2109 (1.0602~ 1.3831)
RP11-38G5.2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0359	1.2065 (1.0124~ 1.4378)
RP11-393B14.1	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.5553 (0.4045~ 0.7623)
RP11-395I6.3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0273	1.4603 (1.0433~ 2.0442)
RP11-403A21.1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0364	1.5860 (1.0296~ 2.4430)
RP11-403A21.2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0082	1.2000 (1.0484~ 1.3736)
RP11-426C22.5	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0490	0.7521 (0.5664~ 0.9988)
RP11-426C22.6	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0214	0.7050 (0.5235~ 0.9496)
RP11-428G5.5	Acute Myeloid Leukemia	Inverse variance weighted	18	<0.001	0.7467 (0.6305~ 0.8843)
RP11-430B1.2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0107	1.3465 (1.0713~ 1.6923)
RP11-433A23.1	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0314	1.4143 (1.0314~ 1.9393)
RP11-434D12.1	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	0.6839 (0.5462~ 0.8562)
RP11-438B23.2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0232	0.6642 (0.4666~ 0.9456)
RP11-439C15.4	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0195	0.7432 (0.5793~ 0.9534)
RP11-439E19.10	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0082	1.4880 (1.1081~ 1.9982)
RP11-439E19.3	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0163	2.0612 (1.1422~ 3.7196)
RP11-443P15.2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0035	3.7599 (1.5439~ 9.1568)
RP11-445H22.3	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0322	1.2098 (1.0163~ 1.4402)
RP11-44F14.11	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0284	1.3238 (1.0301~ 1.7013)
RP11-459O1.2	Acute Myeloid Leukemia	Inverse variance weighted	53	<0.001	0.7982 (0.7020~ 0.9074)
RP11-461A8.4	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0109	1.2743 (1.0574~ 1.5356)
RP11-464D20.6	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0082	0.7218 (0.5668~ 0.9192)
RP11-467H10.1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0199	0.7201 (0.5461~ 0.9495)
RP11-473M20.7	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0134	1.3805 (1.0691~ 1.7825)
RP11-476D10.1	Acute Myeloid Leukemia	Inverse variance weighted	65	0.0141	1.1722 (1.0326~ 1.3307)
RP11-480A16.1	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0494	1.2558 (1.0006~ 1.5763)
RP11-48B14.2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0322	0.6146 (0.3937~ 0.9595)
RP11-499P20.2	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0014	0.8411 (0.7563~ 0.9354)
RP11-4O1.2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0013	1.2774 (1.1002~ 1.4831)
RP11-517P14.2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0024	0.6471 (0.4886~ 0.8570)
RP11-521D12.5	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0122	0.5099 (0.3012~ 0.8632)
RP11-529E10.6	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0201	1.2124 (1.0307~ 1.4261)
RP11-539L10.2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0382	1.2197 (1.0109~ 1.4717)
RP11-540B6.2	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0102	1.1476 (1.0332~ 1.2747)
RP11-554I8.1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0380	1.2546 (1.0127~ 1.5544)
RP11-5K23.3	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0301	0.8732 (0.7724~ 0.9870)
RP11-617D20.1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0075	1.3785 (1.0896~ 1.7441)
RP11-629O1.2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0161	1.4746 (1.0747~ 2.0234)
RP11-673E1.1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0028	1.3498 (1.1088~ 1.6431)
RP11-677C1.2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0373	0.6163 (0.3908~ 0.9719)
RP11-686D22.4	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0013	1.3362 (1.1198~ 1.5945)
RP11-686D22.7	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0096	1.8018 (1.1538~ 2.8138)
RP11-686D22.8	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0401	1.7733 (1.0261~ 3.0645)
RP11-705C15.3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0144	1.1994 (1.0368~ 1.3874)
RP11-70C1.1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0121	1.2143 (1.0434~ 1.4131)
RP11-726G1.1	Acute Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.7057 (0.6340~ 0.7856)
RP11-734I18.1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0373	0.8834 (0.7862~ 0.9928)
RP11-745O10.2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0370	0.8868 (0.7922~ 0.9928)
RP11-75L1.1	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0328	0.8414 (0.7181~ 0.9859)
RP11-767N6.2	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	0.6294 (0.4905~ 0.8076)
RP11-773D16.1	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0441	1.2520 (1.0059~ 1.5581)
RP11-77C3.3	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0297	1.1422 (1.0132~ 1.2878)
RP11-81H14.2	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0144	0.8793 (0.7931~ 0.9748)
RP11-834C11.3	Acute Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.7431 (0.6689~ 0.8256)
RP11-849F2.8	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0080	0.8196 (0.7075~ 0.9495)
RP11-876N24.1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0245	1.3068 (1.0350~ 1.6500)
RP11-876N24.5	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0301	1.9269 (1.0651~ 3.4860)
RP11-889L3.1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0064	1.4394 (1.1076~ 1.8707)
RP11-91P24.1	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0168	1.6075 (1.0892~ 2.3725)
RP11-91P24.5	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0285	1.3615 (1.0329~ 1.7947)
RP11-930O11.2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0382	0.7363 (0.5512~ 0.9835)
RP11-94L15.2	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0417	0.6835 (0.4738~ 0.9858)
RP11-95D17.1	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.7510 (0.6452~ 0.8742)
RP11-960L18.1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0141	1.2270 (1.0421~ 1.4446)
RP11-981G7.2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0249	0.7183 (0.5379~ 0.9591)
RP11-98I9.4	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0173	1.1119 (1.0189~ 1.2134)
RP11-996F15.2	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0011	0.7734 (0.6627~ 0.9026)
RP13-977J11.2	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0460	1.1709 (1.0028~ 1.3672)
RP3-412A9.11	Acute Myeloid Leukemia	Inverse variance weighted	49	<0.001	1.6330 (1.2922~ 2.0636)
RP4-545C24.1	Acute Myeloid Leukemia	Inverse variance weighted	19	<0.001	1.5407 (1.2663~ 1.8746)
RP4-607I7.1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0344	1.4148 (1.0258~ 1.9513)
RP4-614O4.12	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0444	1.2124 (1.0048~ 1.4628)
RP4-647J21.1	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0264	1.1574 (1.0172~ 1.3169)
RP4-669P10.19	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0257	1.3072 (1.0330~ 1.6541)
RP4-728D4.2	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0079	0.6460 (0.4680~ 0.8917)
RP4-756G23.5	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0105	0.5205 (0.3157~ 0.8582)
RP4-800G7.2	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0138	0.8063 (0.6793~ 0.9571)
RP5-1154L15.2	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0068	1.2045 (1.0527~ 1.3783)
RP5-935K16.1	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0049	1.1839 (1.0525~ 1.3317)
RPA2	Acute Myeloid Leukemia	Inverse variance weighted	42	<0.001	0.6298 (0.5031~ 0.7883)
RPL10A	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0154	0.8153 (0.6912~ 0.9618)
RPL22L1	Acute Myeloid Leukemia	Inverse variance weighted	65	0.0043	0.8325 (0.7342~ 0.9440)
RPL23AP53	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0097	0.6272 (0.4405~ 0.8930)

RPL23AP7	Acute Myeloid Leukemia	Inverse variance weighted	58	<0.001	0.8795 (0.8181~ 0.9456)
RPL9	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0077	1.7873 (1.1662~ 2.7392)
RPP38	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0490	1.7479 (1.0024~ 3.0479)
RPS10P7	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0092	2.1479 (1.2079~ 3.8195)
RPS6KA2	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0207	0.7413 (0.5752~ 0.9553)
RPS8	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0209	1.3696 (1.0487~ 1.7887)
RRM1	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	1.5437 (1.2089~ 1.9713)
RRM2B	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0022	0.4431 (0.2635~ 0.7453)
RRN3P2	Acute Myeloid Leukemia	Inverse variance weighted	16	<0.001	0.7640 (0.6529~ 0.8940)
RSAD1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0346	1.6336 (1.0361~ 2.5757)
RSG1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0072	1.7348 (1.1606~ 2.5930)
RSRC1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0456	1.3297 (1.0055~ 1.7584)
RUSC2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0089	1.8630 (1.1690~ 2.9688)
RWDD3	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0035	0.7022 (0.5538~ 0.8903)
RYBP	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0228	0.7714 (0.6170~ 0.9645)
RYR2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0208	2.2642 (1.1326~ 4.5264)
S100A10	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0232	0.4940 (0.2687~ 0.9081)
S100A11	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0359	0.4616 (0.2242~ 0.9502)
S100P	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0217	0.8620 (0.7593~ 0.9785)
S1PR2	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0266	2.9500 (1.1337~ 7.6765)
SAAL1	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0359	1.3378 (1.0194~ 1.7557)
SALL4	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0214	2.1845 (1.1229~ 4.2495)
SAMD12	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0086	1.4693 (1.1026~ 1.9580)
SAMSN1	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	3.3174 (1.7433~ 6.3128)
SAP130	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0023	3.2827 (1.5271~ 7.0566)
SAP30	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0296	3.1515 (1.1205~ 8.8636)
SAP30L	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0064	2.5061 (1.2941~ 4.8532)
SC5DL	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.0391 (1.3652~ 3.0457)
SCARA5	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.3277 (0.1844~ 0.5824)
SCG5	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0371	3.3067 (1.0739~ 10.1817)
SCMH1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0116	2.3032 (1.2052~ 4.4015)
SCO1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0032	1.4479 (1.1316~ 1.8524)
SCYL3	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0269	1.6995 (1.0624~ 2.7188)
SDC3	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0337	2.4516 (1.0714~ 5.6096)
SDHAF1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0100	0.4554 (0.2503~ 0.8287)
SDHC	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0045	1.3520 (1.0978~ 1.6652)
SEC11A	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0197	0.4768 (0.2559~ 0.8883)
SEC13	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0025	0.6894 (0.5420~ 0.8770)
SEC23B	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0107	1.4147 (1.0839~ 1.8465)
SECTM1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0150	0.4580 (0.2441~ 0.8590)
SELL	Acute Myeloid Leukemia	Inverse variance weighted	70	<0.001	1.3213 (1.1483~ 1.5202)
SERPINB10	Acute Myeloid Leukemia	Inverse variance weighted	37	<0.001	1.4520 (1.1652~ 1.8093)
SERPINB8	Acute Myeloid Leukemia	Inverse variance weighted	25	0.0227	0.6812 (0.4896~ 0.9478)
SERPINB9	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0300	0.7965 (0.6485~ 0.9782)
SESN1	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0110	0.6986 (0.5299~ 0.9210)
SETDB2	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.4251 (0.2739~ 0.6596)
SF3A1	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0388	0.7991 (0.6460~ 0.9886)
SF3A3	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0284	0.7654 (0.6027~ 0.9721)
SGCE	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0264	1.5038 (1.0489~ 2.1558)
SGIP1	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0017	2.0292 (1.3030~ 3.1602)
SGK223	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0374	0.5917 (0.3610~ 0.9698)
SGSH	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	1.5504 (1.1973~ 2.0076)
SH2B2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0319	0.2024 (0.0471~ 0.8709)
SHISA5	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0161	2.4497 (1.1807~ 5.0827)
SHISA7	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0171	4.1542 (1.2892~ 13.3858)
SIAH2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0227	0.2301 (0.0650~ 0.8146)
SIGLEC12	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0338	1.3952 (1.0258~ 1.8975)
SIGLEC5	Acute Myeloid Leukemia	Inverse variance weighted	51	0.0010	0.7351 (0.6116~ 0.8836)
SIN3B	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0157	1.4934 (1.0787~ 2.0677)
SIRPD	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0322	1.5358 (1.0372~ 2.2743)
SKAP2	Acute Myeloid Leukemia	Inverse variance weighted	76	0.0018	1.2185 (1.0760~ 1.3799)
SKP2	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0117	0.5812 (0.3811~ 0.8865)
SLAMF1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0068	0.4640 (0.2660~ 0.8094)
SLC12A7	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0133	1.2318 (1.0443~ 1.4530)
SLC15A3	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.4629 (0.3039~ 0.7052)
SLC16A1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0262	2.6962 (1.1247~ 6.4636)
SLC16A6	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0237	0.6849 (0.4934~ 0.9508)
SLC19A1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0485	1.7283 (1.0035~ 2.9764)
SLC20A2	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0291	0.7039 (0.5135~ 0.9649)
SLC22A1	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0406	1.5615 (1.0192~ 2.3924)
SLC22A18	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0031	1.5166 (1.1509~ 1.9985)
SLC22A18AS	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0117	1.2683 (1.0542~ 1.5258)
SLC22A31	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0305	1.1684 (1.0147~ 1.3453)
SLC23A3	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	0.6531 (0.5196~ 0.8209)
SLC24A1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0304	4.8989 (1.1620~ 20.6530)
SLC25A22	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0199	0.1818 (0.0433~ 0.7637)
SLC25A24	Acute Myeloid Leukemia	Inverse variance weighted	45	0.0118	0.7689 (0.6267~ 0.9434)
SLC25A34	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0398	1.3321 (1.0135~ 1.7508)
SLC25A37	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0025	1.3674 (1.1160~ 1.6754)
SLC25A38	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0238	0.5323 (0.3081~ 0.9197)
SLC26A8	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0241	1.4228 (1.0472~ 1.9331)
SLC31A2	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0483	0.6665 (0.4455~ 0.9969)
SLC35A1	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0249	0.5227 (0.2965~ 0.9214)
SLC35D3	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0388	1.4470 (1.0192~ 2.0543)
SLC35F2	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	2.9899 (1.6359~ 5.4646)
SLC35F5	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0249	1.9210 (1.0859~ 3.3982)
SLC37A2	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0100	0.6814 (0.5088~ 0.9125)
SLC38A1	Acute Myeloid Leukemia	Inverse variance weighted	39	<0.001	0.5586 (0.4296~ 0.7264)
SLC39A4	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0210	0.5319 (0.3113~ 0.9090)
SLC45A3	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0169	2.5637 (1.1840~ 5.5512)
SLC45A4	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0385	0.8465 (0.7228~ 0.9913)
SLC5A6	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0417	1.2935 (1.0097~ 1.6571)
SLC7A1	Acute Myeloid Leukemia	Inverse variance weighted	25	<0.001	0.5969 (0.4511~ 0.7898)
SLC7A5	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0124	0.6170 (0.4227~ 0.9007)
SLCO3A1	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0401	1.2239 (1.0092~ 1.4842)
SLCO4C1	Acute Myeloid Leukemia	Inverse variance weighted	21	<0.001	1.6311 (1.2894~ 2.0634)
SMARCA2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0068	3.0584 (1.3606~ 6.8746)
SMARCAL1	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	2.9871 (1.5749~ 5.6655)
SMARCD2	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0022	1.7135 (1.2144~ 2.4175)
SMC2	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	2.3346 (1.4090~ 3.8681)
SMIM12	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0401	0.7717 (0.6026~ 0.9884)
SNAP23	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0097	2.7974 (1.2831~ 6.0991)
SNHG1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0325	0.5332 (0.2996~ 0.9491)
SNHG15	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0343	1.4435 (1.0276~ 2.0276)
SNORA42	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0158	0.7517 (0.5961~ 0.9478)
snoU13	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0236	0.8054 (0.6678~ 0.9714)
SNRNP48	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0364	0.7120 (0.5179~ 0.9788)
SNRNP70	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0278	0.4278 (0.2008~ 0.9116)
SNRPB2	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0336	1.4388 (1.0287~ 2.0125)
SNRPD2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0323	0.6615 (0.4530~ 0.9658)
SNW1	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0139	0.5960 (0.3946~ 0.9000)
SNX16	Acute Myeloid Leukemia	Inverse variance weighted	60	0.0415	1.1568 (1.0056~ 1.3308)
SNX6	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0089	0.6851 (0.5161~ 0.9094)
SOAT1	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0078	0.7394 (0.5918~ 0.9237)
SOD2	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0322	0.7856 (0.6299~ 0.9797)
SORBS3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0240	2.2358 (1.1119~ 4.4959)
SP110	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0017	0.6858 (0.5415~ 0.8685)
SPATA20	Acute Myeloid Leukemia	Inverse variance weighted	108	0.0143	1.1338 (1.0254~ 1.2535)
SPATC1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0163	2.1911 (1.1555~ 4.1545)
SPDL1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0165	0.7119 (0.5392~ 0.9399)
SPDYC	Acute Myeloid Leukemia	Inverse variance weighted	44	0.0191	1.2574 (1.0382~ 1.5229)
SPDYE2L	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0204	1.1802 (1.0260~ 1.3576)
SPEF2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0108	2.4681 (1.2325~ 4.9421)
SPG20	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0319	0.6939 (0.4969~ 0.9690)
SPINK2	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0256	1.4919 (1.0500~ 2.1198)
SPINT2	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0284	0.6652 (0.4620~ 0.9577)
SPOCD1	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0180	0.5222 (0.3048~ 0.8947)
SPTLC2	Acute Myeloid Leukemia	Inverse variance weighted	44	<0.001	1.4974 (1.1970~ 1.8732)
SPTLC3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0456	0.3608 (0.1328~ 0.9800)
SRC	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0408	4.2323 (1.0624~ 16.8598)
SRD5A1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0140	0.6960 (0.5212~ 0.9293)
SRI	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0113	2.5699 (1.2377~ 5.3358)
SRR	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0102	1.2513 (1.0545~ 1.4848)
SSBP2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0027	2.6181 (1.3975~ 4.9046)
SSBP4	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0259	2.1243 (1.0950~ 4.1214)
SSNA1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0211	0.5204 (0.2988~ 0.9064)
SSTR3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0103	2.5066 (1.2419~ 5.0590)
ST20	Acute Myeloid Leukemia	Inverse variance weighted	52	<0.001	1.2803 (1.1394~ 1.4386)
ST8SIA4	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0034	1.8693 (1.2301~ 2.8407)
STAG3	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0216	1.2716 (1.0360~ 1.5608)
STAM2	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0061	1.6513 (1.1541~ 2.3628)
STARD3	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0089	3.2085 (1.3388~ 7.6892)
STIM1	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.5974 (1.4910~ 4.5249)
STOX1	Acute Myeloid Leukemia	Inverse variance weighted	54	<0.001	0.7580 (0.6571~ 0.8745)
STRADA	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0026	3.7526 (1.5845~ 8.8872)
SUCLG2	Acute Myeloid Leukemia	Inverse variance weighted	55	<0.001	1.5574 (1.2755~ 1.9016)
SUGT1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0064	0.2709 (0.1060~ 0.6922)
SULT1A2	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0082	0.8046 (0.6848~ 0.9453)
SUMF2	Acute Myeloid Leukemia	Inverse variance weighted	29	<0.001	0.4166 (0.3078~ 0.5638)
SUOX	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0063	0.6937 (0.5336~ 0.9017)
SUPT3H	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0167	1.2958 (1.0480~ 1.6022)

SUPT4H1	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0121	1.3329 (1.0649~ 1.6685)
SUPT5H	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0390	2.6868 (1.0511~ 6.8676)
SURF1	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0371	1.1765 (1.0097~ 1.3708)
SUSD1	Acute Myeloid Leukemia	Inverse variance weighted	45	<0.001	1.3192 (1.1413~ 1.5249)
SVIP	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0345	2.3021 (1.0629~ 4.9860)
SYCP3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0181	0.4469 (0.2291~ 0.8717)
SYNE2	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0070	0.5460 (0.3517~ 0.8476)
SYNGR2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0386	1.8799 (1.0335~ 3.4194)
SYNGR3	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0029	0.5167 (0.3344~ 0.7984)
SYT5	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0209	0.2119 (0.0568~ 0.7908)
TACC1	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0342	1.3622 (1.0233~ 1.8132)
TADA2A	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0390	0.6662 (0.4530~ 0.9796)
TAF1B	Acute Myeloid Leukemia	Inverse variance weighted	44	<0.001	0.7205 (0.6056~ 0.8571)
TAF7	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	1.9448 (1.3144~ 2.8776)
TALDO1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0014	5.8214 (1.9700~ 17.2017)
TANC2	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0011	1.4618 (1.1633~ 1.8369)
TANGO2	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0348	0.6386 (0.4210~ 0.9686)
TAPT1-AS1	Acute Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.6619 (0.5493~ 0.7974)
TAX1BP3	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0314	0.3233 (0.1156~ 0.9042)
TBC1D1	Acute Myeloid Leukemia	Inverse variance weighted	22	0.0027	1.7544 (1.2150~ 2.5334)
TBC1D22A	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0240	0.5471 (0.3241~ 0.9236)
TBC1D2B	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0233	0.5903 (0.3743~ 0.9309)
TBC1D9B	Acute Myeloid Leukemia	Inverse variance weighted	50	0.0360	0.8228 (0.6857~ 0.9873)
TBCA	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0245	0.7038 (0.5183~ 0.9558)
TBCD	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0296	1.1922 (1.0175~ 1.3967)
TBCK	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0086	1.6042 (1.1274~ 2.2827)
TBK1	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0130	1.6717 (1.1145~ 2.5074)
TCF20	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0266	0.2588 (0.0784~ 0.8546)
TCF25	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0095	1.5167 (1.1071~ 2.0780)
TCL1A	Acute Myeloid Leukemia	Inverse variance weighted	11	<0.001	2.2641 (1.4571~ 3.5180)
TCTEX1D1	Acute Myeloid Leukemia	Inverse variance weighted	27	<0.001	0.5468 (0.3966~ 0.7537)
TDRD9	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0097	1.2528 (1.0561~ 1.4862)
TEAD2	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0455	0.7562 (0.5750~ 0.9944)
TECPR1	Acute Myeloid Leukemia	Inverse variance weighted	61	<0.001	0.7438 (0.6337~ 0.8731)
TEK	Acute Myeloid Leukemia	Inverse variance weighted	56	0.0217	1.2064 (1.0278~ 1.4162)
TES	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0270	1.3121 (1.0314~ 1.6692)
TESPA1	Acute Myeloid Leukemia	Inverse variance weighted	33	<0.001	0.5877 (0.4627~ 0.7463)
TF	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0422	0.4679 (0.2249~ 0.9735)
TFEC	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0095	3.6546 (1.3717~ 9.7369)
TGOLN2	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0317	1.8249 (1.0542~ 3.1592)
THADA	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0091	0.2374 (0.0805~ 0.6995)
THBD	Acute Myeloid Leukemia	Inverse variance weighted	19	<0.001	0.5719 (0.4318~ 0.7576)
THBS3	Acute Myeloid Leukemia	Inverse variance weighted	58	0.0179	1.2140 (1.0340~ 1.4253)
THEM4	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0223	1.2267 (1.0295~ 1.4616)
THEM6	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0166	1.3789 (1.0601~ 1.7936)
THUMPD3	Acute Myeloid Leukemia	Inverse variance weighted	18	<0.001	1.7793 (1.3192~ 2.3997)
TIAF1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0438	3.1357 (1.0323~ 9.5256)
TIAM1	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0101	1.5237 (1.1053~ 2.1005)
TIMM22	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0268	0.7533 (0.5862~ 0.9680)
TJP2	Acute Myeloid Leukemia	Inverse variance weighted	70	0.0371	0.8532 (0.7349~ 0.9906)
TLR10	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0110	2.8945 (1.2760~ 6.5660)
TLR6	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0013	3.9250 (1.7084~ 9.0177)
TM4SF1	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0489	0.4051 (0.1648~ 0.9956)
TMA7	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0301	1.7241 (1.0537~ 2.8210)
TMED1	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.9730 (1.3556~ 2.8717)
TMED3	Acute Myeloid Leukemia	Inverse variance weighted	8	<0.001	0.2528 (0.1283~ 0.4981)
TMED8	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0433	2.9458 (1.0329~ 8.4015)
TMED9	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0064	0.7735 (0.6430~ 0.9304)
TMEM106B	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0315	0.4762 (0.2422~ 0.9362)
TMEM107	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0341	1.2200 (1.0150~ 1.4664)
TMEM14A	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0478	1.9607 (1.0066~ 3.8191)
TMEM158	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0111	1.6720 (1.1245~ 2.4859)
TMEM175	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0051	0.3458 (0.1645~ 0.7270)
TMEM176A	Acute Myeloid Leukemia	Inverse variance weighted	100	0.0296	1.0943 (1.0090~ 1.1869)
TMEM179B	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0307	2.6391 (1.0947~ 6.3623)
TMEM183A	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0486	0.5798 (0.3372~ 0.9967)
TMEM194B	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0068	0.6265 (0.4465~ 0.8789)
TMEM220	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0251	1.8210 (1.0776~ 3.0773)
TMEM223	Acute Myeloid Leukemia	Inverse variance weighted	19	<0.001	0.4846 (0.3621~ 0.6486)
TMEM42	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0267	2.0344 (1.0854~ 3.8132)
TMEM63A	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0215	1.3081 (1.0403~ 1.6448)
TMEM63C	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0387	0.7604 (0.5865~ 0.9859)
TMEM98	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0131	2.4602 (1.2079~ 5.0111)
TMEM99	Acute Myeloid Leukemia	Inverse variance weighted	34	0.0124	0.7593 (0.6118~ 0.9423)
TMEM9B	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0346	0.7429 (0.5638~ 0.9787)
TMOD1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0092	1.7010 (1.1402~ 2.5378)
TMOD2	Acute Myeloid Leukemia	Inverse variance weighted	52	<0.001	0.7467 (0.6346~ 0.8785)
TMTC1	Acute Myeloid Leukemia	Inverse variance weighted	102	0.0076	0.8808 (0.8024~ 0.9668)
TNFAIP8	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0268	1.9493 (1.0799~ 3.5189)
TNFRSF13C	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0028	0.4211 (0.2389~ 0.7420)
TNFRSF4	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0289	0.6165 (0.3995~ 0.9514)
TNFSF14	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0188	0.6589 (0.4653~ 0.9331)
TNFSF8	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0092	0.6368 (0.4534~ 0.8943)
TNNT1	Acute Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.6992 (0.5916~ 0.8263)
TNRC6A	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0368	1.4940 (1.0248~ 2.1779)
TNXA	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	1.5464 (1.2460~ 1.9193)
TNXB	Acute Myeloid Leukemia	Inverse variance weighted	23	0.0072	1.3271 (1.0795~ 1.6316)
TOMM5	Acute Myeloid Leukemia	Inverse variance weighted	16	0.0462	1.4152 (1.0059~ 1.9909)
TP53INP1	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0145	0.6600 (0.4729~ 0.9210)
TP53TG1	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0077	1.6202 (1.1361~ 2.3105)
TP63	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0307	0.2935 (0.0965~ 0.8922)
TP73-AS1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0017	0.4436 (0.2669~ 0.7374)
TPI1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0307	0.5108 (0.2778~ 0.9394)
TPM1	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0178	1.4349 (1.0645~ 1.9341)
TPPP	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0045	2.6857 (1.3592~ 5.3068)
TPST1	Acute Myeloid Leukemia	Inverse variance weighted	31	0.0466	0.7849 (0.6183~ 0.9963)
TRAFD1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0299	3.1542 (1.1184~ 8.8957)
TRAK1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0203	0.3346 (0.1328~ 0.8434)
TRAP1	Acute Myeloid Leukemia	Inverse variance weighted	30	0.0213	1.2553 (1.0345~ 1.5233)
TRAPPC12	Acute Myeloid Leukemia	Inverse variance weighted	50	<0.001	0.7418 (0.6306~ 0.8725)
TRAPPC2P1	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0138	0.7148 (0.5471~ 0.9338)
TRAPPC8	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0073	0.4207 (0.2236~ 0.7915)
TRAV38-2DV8	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0430	1.7114 (1.0170~ 2.8802)
TRAV4	Acute Myeloid Leukemia	Inverse variance weighted	28	0.0267	0.7955 (0.6498~ 0.9740)
TRBJ2-3	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0427	1.2769 (1.0081~ 1.6174)
TRBV4-2	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0120	1.4237 (1.0806~ 1.8757)
TRGV4	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0465	1.0851 (1.0013~ 1.1759)
TRIM14	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0266	0.6272 (0.4153~ 0.9473)
TRIM21	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0040	0.3024 (0.1340~ 0.6824)
TRIM23	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0357	1.9956 (1.0473~ 3.8025)
TRIM26	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0278	0.5777 (0.3543~ 0.9419)
TRIM33	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0466	0.3659 (0.1359~ 0.9851)
TRIM35	Acute Myeloid Leukemia	Inverse variance weighted	39	<0.001	0.5997 (0.4468~ 0.8050)
TRIM7	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0456	0.6448 (0.4194~ 0.9914)
TRMT12	Acute Myeloid Leukemia	Inverse variance weighted	62	0.0037	0.8209 (0.7183~ 0.9381)
TRPC4AP	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0145	1.2301 (1.0419~ 1.4524)
TSC22D2	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0373	2.0259 (1.0423~ 3.9377)
TSGA10	Acute Myeloid Leukemia	Inverse variance weighted	48	0.0053	1.2591 (1.0708~ 1.4806)
TSPAN2	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0347	1.9419 (1.0489~ 3.5952)
TSPAN9	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0406	0.3657 (0.1396~ 0.9579)
TSPO	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0013	0.6161 (0.4587~ 0.8276)
TSTD3	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.7569 (0.6461~ 0.8867)
TTC18	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0430	1.7803 (1.0184~ 3.1120)
TTC24	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0143	1.8067 (1.1254~ 2.9004)
TTC39C	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0113	0.6121 (0.4188~ 0.8947)
TTF2	Acute Myeloid Leukemia	Inverse variance weighted	28	<0.001	0.6705 (0.5621~ 0.7997)
TTI1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0191	3.7015 (1.2392~ 11.0562)
TTN	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0114	11.9751 (1.7487~ 82.0052)
TUB	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0121	4.3609 (1.3797~ 13.7838)
TUBA1C	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0367	0.7415 (0.5600~ 0.9817)
TUBB4A	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0118	1.2596 (1.0525~ 1.5075)
TXNL4B	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0402	2.9665 (1.0500~ 8.3811)
TYK2	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0132	0.5955 (0.3952~ 0.8973)
TYMP	Acute Myeloid Leukemia	Inverse variance weighted	55	0.0019	1.2466 (1.0844~ 1.4332)
TYMS	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0273	0.4269 (0.2004~ 0.9093)
TYW1B	Acute Myeloid Leukemia	Inverse variance weighted	37	0.0246	1.1046 (1.0128~ 1.2046)
UAP1	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0134	0.4620 (0.2506~ 0.8519)
UBAC2-AS1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0190	0.5765 (0.3639~ 0.9135)
UBAP1L	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0413	1.4340 (1.0143~ 2.0273)
UBE2F	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0197	1.2853 (1.0408~ 1.5872)
UBLCP1	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0468	0.5977 (0.3599~ 0.9927)
UBP1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0055	7.2909 (1.7942~ 29.6269)
UBQLNL	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0284	0.8078 (0.6675~ 0.9777)
UCKL1	Acute Myeloid Leukemia	Inverse variance weighted	38	0.0057	1.4266 (1.1088~ 1.8355)
UFD1L	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0029	3.7510 (1.5697~ 8.9635)
UFSP1	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0146	1.3741 (1.0648~ 1.7733)
UGCG	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	3.5350 (1.7601~ 7.0996)
ULK4	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0464	1.2170 (1.0032~ 1.4765)
UNG	Acute Myeloid Leukemia	Inverse variance weighted	29	0.0486	1.2488 (1.0013~ 1.5573)
URGCP	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0103	2.3415 (1.2228~ 4.4838)
URM1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0320	0.5338 (0.3008~ 0.9473)
UROD	Acute Myeloid Leukemia	Inverse variance weighted	44	<0.001	1.7418 (1.3952~ 2.1746)

UROS	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0130	0.8080 (0.6828~ 0.9561)
USP45	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0017	0.3227 (0.1595~ 0.6531)
USP47	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0057	0.5147 (0.3214~ 0.8243)
UTP11L	Acute Myeloid Leukemia	Inverse variance weighted	20	0.0142	0.6173 (0.4198~ 0.9078)
UTP18	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.3702 (0.2257~ 0.6073)
VAMP4	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0080	2.4253 (1.2596~ 4.6700)
VAV3	Acute Myeloid Leukemia	Inverse variance weighted	61	0.0233	0.8547 (0.7462~ 0.9789)
VILL	Acute Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.1828 (0.0727~ 0.4596)
VIM~AS1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0013	1.6382 (1.2131~ 2.2123)
VKORC1	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0474	2.5866 (1.0109~ 6.6185)
VOPP1	Acute Myeloid Leukemia	Inverse variance weighted	15	0.0464	1.6020 (1.0076~ 2.5471)
VPS37B	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0409	1.4735 (1.0162~ 2.1367)
VPS54	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0167	0.4665 (0.2498~ 0.8712)
VPS9D1	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0105	1.3088 (1.0650~ 1.6084)
VSIG2	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0254	3.3675 (1.1616~ 9.7627)
VWA7	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0220	1.3547 (1.0447~ 1.7556)
WASH2P	Acute Myeloid Leukemia	Inverse variance weighted	38	<0.001	1.2171 (1.0911~ 1.3577)
WBP1L	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0258	2.3443 (1.1082~ 4.9593)
WDPCP	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0053	1.9695 (1.2235~ 3.1701)
WDR1	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0327	1.8349 (1.0514~ 3.2022)
WDR18	Acute Myeloid Leukemia	Inverse variance weighted	33	0.0319	0.8332 (0.7053~ 0.9843)
WDR6	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0492	1.1743 (1.0005~ 1.3781)
WDR60	Acute Myeloid Leukemia	Inverse variance weighted	42	0.0076	0.7550 (0.6142~ 0.9280)
WDR67	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0390	1.7769 (1.0295~ 3.0670)
WDR86	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0169	1.2455 (1.0402~ 1.4913)
WDR91	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0309	0.4380 (0.2070~ 0.9270)
WFS1	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	2.5780 (1.4737~ 4.5096)
WHSC1L1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0394	2.2212 (1.0395~ 4.7459)
WNK1	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0156	0.2706 (0.0938~ 0.7808)
WNK2	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0032	0.3949 (0.2130~ 0.7322)
XCL1	Acute Myeloid Leukemia	Inverse variance weighted	32	0.0295	0.7831 (0.6284~ 0.9759)
XPNPEP1	Acute Myeloid Leukemia	Inverse variance weighted	41	0.0247	1.3266 (1.0367~ 1.6977)
XPO6	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	2.9821 (1.9639~ 4.5282)
XRRA1	Acute Myeloid Leukemia	Inverse variance weighted	72	0.0011	1.2593 (1.0966~ 1.4460)
XXbac~BPG248L24.11	Acute Myeloid Leukemia	Inverse variance weighted	12	0.0456	0.8031 (0.6478~ 0.9957)
XXYLT1	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0098	1.8000 (1.1521~ 2.8121)
YPEL5	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0452	0.3000 (0.0923~ 0.9748)
YWHAB	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0388	3.2362 (1.0621~ 9.8606)
YWHAZ	Acute Myeloid Leukemia	Inverse variance weighted	10	<0.001	2.6558 (1.6340~ 4.3166)
ZBTB20~AS1	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0037	1.2861 (1.0852~ 1.5243)
ZBTB22	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0170	1.9296 (1.1245~ 3.3113)
ZBTB32	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0236	2.0129 (1.0985~ 3.6885)
ZBTB5	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0064	0.2109 (0.0689~ 0.6454)
ZDHHC20	Acute Myeloid Leukemia	Inverse variance weighted	20	<0.001	2.0878 (1.3936~ 3.1278)
ZDHHC6	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0031	0.3869 (0.2062~ 0.7262)
ZFAND1	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0434	0.6766 (0.4632~ 0.9884)
ZFAND2A	Acute Myeloid Leukemia	Inverse variance weighted	47	0.0051	0.8307 (0.7296~ 0.9459)
ZKSCAN1	Acute Myeloid Leukemia	Inverse variance weighted	12	<0.001	2.6893 (1.5840~ 4.5659)
ZKSCAN7	Acute Myeloid Leukemia	Inverse variance weighted	27	0.0039	1.6888 (1.1827~ 2.4114)
ZMPSTE24	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0212	2.3194 (1.1343~ 4.7427)
ZMYM1	Acute Myeloid Leukemia	Inverse variance weighted	9	<0.001	2.0560 (1.4785~ 2.8589)
ZNF101	Acute Myeloid Leukemia	Inverse variance weighted	14	0.0480	1.8348 (1.0054~ 3.3485)
ZNF124	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0143	0.6554 (0.4674~ 0.9191)
ZNF137P	Acute Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.1718 (0.0687~ 0.4298)
ZNF155	Acute Myeloid Leukemia	Inverse variance weighted	21	0.0324	1.3772 (1.0272~ 1.8465)
ZNF169	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0014	0.3099 (0.1508~ 0.6372)
ZNF175	Acute Myeloid Leukemia	Inverse variance weighted	39	0.0213	0.7607 (0.6027~ 0.9602)
ZNF195	Acute Myeloid Leukemia	Inverse variance weighted	11	0.0118	0.5577 (0.3539~ 0.8787)
ZNF215	Acute Myeloid Leukemia	Inverse variance weighted	35	0.0320	1.2621 (1.0202~ 1.5613)
ZNF224	Acute Myeloid Leukemia	Inverse variance weighted	4	0.0052	2.1625 (1.2594~ 3.7129)
ZNF236	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0092	0.3586 (0.1658~ 0.7756)
ZNF239	Acute Myeloid Leukemia	Inverse variance weighted	52	0.0333	0.8064 (0.6615~ 0.9832)
ZNF24	Acute Myeloid Leukemia	Inverse variance weighted	13	0.0247	1.7880 (1.0768~ 2.9687)
ZNF260	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0077	2.0641 (1.2114~ 3.5170)
ZNF271	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0486	1.4053 (1.0020~ 1.9709)
ZNF273	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0209	0.3828 (0.1694~ 0.8648)
ZNF32	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0040	0.4865 (0.2978~ 0.7948)
ZNF35	Acute Myeloid Leukemia	Inverse variance weighted	21	<0.001	1.8644 (1.3179~ 2.6376)
ZNF425	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0385	1.4994 (1.0217~ 2.2006)
ZNF429	Acute Myeloid Leukemia	Inverse variance weighted	64	0.0339	0.9155 (0.8438~ 0.9933)
ZNF431	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0037	0.5223 (0.3368~ 0.8100)
ZNF460	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0379	2.1445 (1.0437~ 4.4063)
ZNF471	Acute Myeloid Leukemia	Inverse variance weighted	10	0.0037	2.0704 (1.2674~ 3.3822)
ZNF506	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0272	2.0052 (1.0813~ 3.7184)
ZNF525	Acute Myeloid Leukemia	Inverse variance weighted	30	<0.001	0.5626 (0.4180~ 0.7572)
ZNF528	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0058	2.2939 (1.2718~ 4.1374)
ZNF548	Acute Myeloid Leukemia	Inverse variance weighted	43	0.0059	1.3323 (1.0862~ 1.6341)
ZNF552	Acute Myeloid Leukemia	Inverse variance weighted	8	0.0384	0.4685 (0.2285~ 0.9605)
ZNF565	Acute Myeloid Leukemia	Inverse variance weighted	15	<0.001	2.8869 (1.5478~ 5.3846)
ZNF573	Acute Myeloid Leukemia	Inverse variance weighted	17	0.0409	1.6964 (1.0220~ 2.8159)
ZNF585A	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0029	4.4055 (1.6581~ 11.7056)
ZNF587B	Acute Myeloid Leukemia	Inverse variance weighted	19	0.0163	0.8106 (0.6829~ 0.9621)
ZNF616	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0098	0.3345 (0.1457~ 0.7680)
ZNF665	Acute Myeloid Leukemia	Inverse variance weighted	6	0.0075	0.5137 (0.3153~ 0.8369)
ZNF701	Acute Myeloid Leukemia	Inverse variance weighted	18	0.0012	0.5952 (0.4349~ 0.8147)
ZNF790	Acute Myeloid Leukemia	Inverse variance weighted	3	0.0203	3.0075 (1.1869~ 7.6211)
ZNF813	Acute Myeloid Leukemia	Inverse variance weighted	5	0.0168	2.0540 (1.1387~ 3.7050)
ZNF83	Acute Myeloid Leukemia	Inverse variance weighted	49	0.0048	0.8247 (0.7214~ 0.9429)
ZNF84	Acute Myeloid Leukemia	Inverse variance weighted	24	0.0380	0.7981 (0.6450~ 0.9876)
ZNF880	Acute Myeloid Leukemia	Inverse variance weighted	9	0.0341	0.5508 (0.3173~ 0.9562)
ZNRF1	Acute Myeloid Leukemia	Inverse variance weighted	7	0.0117	0.4023 (0.1981~ 0.8169)
ZP3	Acute Myeloid Leukemia	Inverse variance weighted	26	0.0394	0.7058 (0.5067~ 0.9833)
ZSCAN21	Acute Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.2749 (1.4053~ 3.6825)



Exposure	Outcome	method	nsnp	pval	OR(95%CI)
ABCA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0021	1.3239 (1.1071~ 1.5831)
ABCB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0031	0.4718 (0.2870~ 0.7756)
ABCB4	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0443	0.6893 (0.4797~ 0.9906)
ABCC13	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0390	1.2734 (1.0122~ 1.6020)
ABCC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0064	1.7478 (1.1701~ 2.6107)
ABCC6	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0131	0.6371 (0.4461~ 0.9098)
ABHD10	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0042	0.6122 (0.4377~ 0.8564)
ABHD15	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0382	0.8432 (0.7176~ 0.9907)
ABR	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.5697 (1.2619~ 1.9525)
ABRACL	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0462	1.0996 (1.0016~ 1.2071)
AC000078.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0226	1.1225 (1.0164~ 1.2397)
AC002310.12	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	1.2879 (1.1360~ 1.4602)
AC004791.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	<0.001	0.8728 (0.8053~ 0.9458)
AC004840.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0061	0.8571 (0.7677~ 0.9570)
AC004951.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0167	0.8425 (0.7322~ 0.9695)
AC005041.17	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	1.3031 (1.1414~ 1.4877)
AC005104.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	1.5910 (1.2501~ 2.0250)
AC007278.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0456	1.1147 (1.0021~ 1.2398)
AC007278.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	62	<0.001	1.1080 (1.0479~ 1.1716)
AC007390.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.8114 (0.7208~ 0.9135)
AC007879.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0407	1.4072 (1.0145~ 1.9519)
AC008984.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0072	0.8416 (0.7420~ 0.9545)
AC010982.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0026	1.2141 (1.0699~ 1.3777)
AC011747.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0418	0.8452 (0.7189~ 0.9938)
AC012065.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0188	0.8271 (0.7060~ 0.9690)
AC012146.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.7767 (0.6787~ 0.8888)
AC012309.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0241	1.1333 (1.0165~ 1.2635)
AC012454.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0096	0.9051 (0.8394~ 0.9761)
AC013437.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0022	1.2619 (1.0874~ 1.4644)
AC016753.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0276	0.8642 (0.7589~ 0.9840)
AC016757.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0038	0.8196 (0.7162~ 0.9379)
AC016773.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001	1.1505 (1.0707~ 1.2363)
AC018633.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0430	0.9237 (0.8554~ 0.9975)
AC018720.10	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0093	1.2629 (1.0591~ 1.5060)
AC027763.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0407	1.1909 (1.0074~ 1.4077)
AC051649.16	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0453	1.2245 (1.0042~ 1.4930)
AC058791.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0027	0.7874 (0.6736~ 0.9204)
AC078883.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0133	0.8355 (0.7247~ 0.9633)
AC079325.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0272	1.0647 (1.0071~ 1.1256)
AC083843.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0116	0.8111 (0.6893~ 0.9543)
AC084018.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0109	0.8542 (0.7566~ 0.9644)
AC091814.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	<0.001	0.8779 (0.8183~ 0.9418)
AC091814.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0049	0.3845 (0.1974~ 0.7488)
AC093673.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0106	0.8468 (0.7454~ 0.9619)
AC099850.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0089	0.7408 (0.5917~ 0.9276)
AC108463.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0269	0.6020 (0.3841~ 0.9435)
AC113189.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0332	0.8935 (0.8056~ 0.9911)
ACAT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0229	1.3699 (1.0446~ 1.7966)
ACBD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0016	0.6164 (0.4565~ 0.8323)
ACD	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0064	0.5587 (0.3676~ 0.8491)
ACER3	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0194	1.1697 (1.0257~ 1.3340)
ACN9	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0401	0.5205 (0.2791~ 0.9710)
ACOT11	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0163	1.5893 (1.0889~ 2.3197)
ACOT7	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0019	0.6131 (0.4501~ 0.8353)
ACP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0245	1.1650 (1.0199~ 1.3309)
ACP5	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	0.0037	0.8743 (0.7986~ 0.9572)
ACPL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0308	0.8733 (0.7722~ 0.9876)
ACSM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0102	1.5459 (1.1086~ 2.1557)
ACSM3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0084	0.5648 (0.3692~ 0.8640)
ACSS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0024	0.3167 (0.1509~ 0.6647)
ACTG1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0158	0.4903 (0.2749~ 0.8747)
ACTR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0021	0.4399 (0.2607~ 0.7422)
AD000684.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0310	0.7845 (0.6292~ 0.9781)
ADAL	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0081	1.4396 (1.0993~ 1.8854)
ADAM10	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0024	1.4237 (1.1335~ 1.7882)
ADARB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0206	1.2488 (1.0346~ 1.5072)
ADARB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	63	0.0273	0.8877 (0.7986~ 0.9867)
ADCY10P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0364	1.1078 (1.0065~ 1.2194)
ADD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0031	1.9172 (1.2463~ 2.9491)
ADHFE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	65	0.0411	1.0923 (1.0036~ 1.1889)
ADRB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0305	1.3434 (1.0281~ 1.7554)
AF131215.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	112	<0.001	1.1556 (1.1052~ 1.2083)
AF131215.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	118	<0.001	1.1587 (1.1098~ 1.2097)
AFG3L1P	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0089	0.6949 (0.5291~ 0.9127)
AGAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0043	0.7508 (0.6166~ 0.9142)
AGK	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0195	1.7590 (1.0953~ 2.8248)
AGPAT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0478	0.4860 (0.2378~ 0.9932)
AGPAT5	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0026	0.5848 (0.4123~ 0.8295)
AGPAT9	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.5566 (1.2331~ 1.9650)
AHR	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0028	0.7289 (0.5924~ 0.8969)
AHRR	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0386	1.4930 (1.0212~ 2.1826)
AIFM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0407	1.4563 (1.0161~ 2.0871)
AIFM3	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0435	1.3291 (1.0083~ 1.7520)
AK5	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0111	1.2390 (1.0500~ 1.4620)
AKAP10	Chronic Lymphocytic Leukemia	Inverse variance weighted	57	0.0215	0.9050 (0.8312~ 0.9854)
AKAP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0073	2.0298 (1.2102~ 3.4045)
AKD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0102	1.3299 (1.0700~ 1.6529)
AKR1C3	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0124	0.7834 (0.6469~ 0.9486)
AKR1C7P	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0041	0.8594 (0.7749~ 0.9532)
AKR1E2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0127	0.6983 (0.5264~ 0.9264)
AL049840.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0445	1.1154 (1.0027~ 1.2408)
AL137145.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0346	0.7716 (0.6066~ 0.9814)
ALDH8A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0152	1.2438 (1.0430~ 1.4832)
ALDH9A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0094	0.8611 (0.7692~ 0.9639)
ALG11L13P	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0033	1.2081 (1.0649~ 1.3704)
ALG11L2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0446	0.8997 (0.8115~ 0.9974)
ALKBH7	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0265	1.4018 (1.0402~ 1.8892)
ALOX12	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0411	0.5316 (0.2899~ 0.9748)
ALOX12P2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0053	2.4760 (1.3085~ 4.6852)
ALOX5AP	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0284	0.8636 (0.7574~ 0.9846)
ALPL	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0262	1.5793 (1.0556~ 2.3630)
ALS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0493	1.1118 (1.0003~ 1.2357)
ALS2CL	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0217	0.5892 (0.3752~ 0.9255)
ALS2CR12	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	2.4236 (1.5506~ 3.7880)
AMACR	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0491	0.8119 (0.6597~ 0.9992)

AMH	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0127	0.7217 (0.5585~ 0.9327)
AMOTL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0165	1.7455 (1.1070~ 2.7524)
AMZ2P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0018	0.8115 (0.7118~ 0.9251)
ANAPC4	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0057	0.8381 (0.7395~ 0.9498)
ANGPTL6	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0485	1.4033 (1.0022~ 1.9649)
ANK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0453	0.6471 (0.4226~ 0.9908)
ANKH	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0330	0.8004 (0.6522~ 0.9822)
ANKIB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0287	0.7544 (0.5861~ 0.9711)
ANKRD10-IT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0245	0.7761 (0.6223~ 0.9679)
ANKRD10	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0012	0.7796 (0.6709~ 0.9059)
ANKRD12	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0264	0.6618 (0.4597~ 0.9528)
ANKRD19P	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	0.4734 (0.3077~ 0.7283)
ANKRD24	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0088	0.7358 (0.5850~ 0.9255)
ANKRD26	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	1.7021 (1.2542~ 2.3099)
ANKRD34B	Chronic Lymphocytic Leukemia	Inverse variance weighted	71	0.0017	0.8640 (0.7885~ 0.9466)
ANKRD37	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0496	0.3301 (0.1092~ 0.9979)
ANKRD50	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0106	0.7684 (0.6277~ 0.9405)
ANKRD6	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0037	1.8712 (1.2262~ 2.8554)
ANKZF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0371	1.9570 (1.0410~ 3.6791)
ANO2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0101	0.3603 (0.1655~ 0.7845)
ANXA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0027	1.4759 (1.1448~ 1.9028)
AOAH	Chronic Lymphocytic Leukemia	Inverse variance weighted	74	<0.001	1.1787 (1.0884~ 1.2765)
AP001171.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001	0.7393 (0.6396~ 0.8544)
AP001468.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0168	0.8319 (0.7153~ 0.9674)
AP001816.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	70	0.0019	1.1167 (1.0415~ 1.1972)
AP002954.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0133	0.9220 (0.8646~ 0.9832)
AP003068.23	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0187	0.9253 (0.8673~ 0.9871)
AP2B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0032	0.5772 (0.4005~ 0.8318)
AP3B2	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0012	0.7537 (0.6352~ 0.8942)
AP4B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0249	0.7410 (0.5702~ 0.9630)
AP4E1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0011	0.7995 (0.6986~ 0.9148)
AP4M1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0225	1.2700 (1.0344~ 1.5594)
APH1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0170	0.7781 (0.6333~ 0.9561)
APOBEC3C	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0199	0.8098 (0.6781~ 0.9673)
APOBEC3G	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0022	1.3261 (1.1074~ 1.5881)
APOL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0310	1.4795 (1.0364~ 2.1120)
APPL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0071	0.8217 (0.7123~ 0.9480)
AQP10	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0228	0.8227 (0.6954~ 0.9732)
AQP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0314	0.6455 (0.4333~ 0.9617)
ARF3	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0341	0.8509 (0.7329~ 0.9880)
ARFGAP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0242	0.3930 (0.1744~ 0.8855)
ARHGAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0393	2.0927 (1.0370~ 4.2229)
ARHGAP24	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0012	0.7683 (0.6554~ 0.9007)
ARHGAP25	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0112	0.6432 (0.4574~ 0.9046)
ARHGEF10	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	0.0221	0.8896 (0.8048~ 0.9834)
ARHGEF11	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0135	0.6866 (0.5095~ 0.9252)
ARID5A	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	0.6515 (0.5133~ 0.8269)
ARID5B	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0068	0.7756 (0.6452~ 0.9322)
ARL16	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0386	0.9060 (0.8251~ 0.9948)
ARL6IP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0046	1.4918 (1.1312~ 1.9674)
ARMC7	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0109	1.5346 (1.1036~ 2.1340)
ARPC1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0026	1.5973 (1.1776~ 2.1665)
ARRDC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0031	1.4645 (1.1371~ 1.8862)
ASAH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	<0.001	1.2798 (1.1434~ 1.4326)
ASB14	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	<0.001	0.2716 (0.1370~ 0.5382)
ASB8	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0079	0.6111 (0.4250~ 0.8788)
ASCL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.6688 (0.5680~ 0.7874)
ASGR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	57	<0.001	0.7817 (0.6980~ 0.8756)
ASPRV1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0476	1.2073 (1.0020~ 1.4546)
ASTN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0203	2.1197 (1.1237~ 3.9986)
ASXL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0218	0.6703 (0.4762~ 0.9435)
ATG10	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0204	0.8619 (0.7602~ 0.9773)
ATG9A	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0393	1.8199 (1.0298~ 3.2164)
ATIC	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0246	1.3072 (1.0349~ 1.6512)
ATN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0319	0.5456 (0.3137~ 0.9490)
ATOX1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0034	0.7350 (0.5982~ 0.9032)
ATP11B	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0016	0.5311 (0.3587~ 0.7864)
ATP1B2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0028	1.6625 (1.1914~ 2.3198)
ATP2A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0024	0.5396 (0.3624~ 0.8034)
ATP2C1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0224	0.5568 (0.3369~ 0.9204)
ATP5G1	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0024	1.4146 (1.1312~ 1.7689)
ATP5S	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0067	1.4558 (1.1095~ 1.9102)
ATP6AP1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	53	<0.001	0.8397 (0.7631~ 0.9241)
ATP6V0A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0181	1.9097 (1.1166~ 3.2662)
ATP6V1C1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.6669 (0.5282~ 0.8421)
ATP9A	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0048	1.1419 (1.0414~ 1.2521)
ATP9B	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0484	1.1505 (1.0010~ 1.3223)
ATRAID	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0267	0.8191 (0.6865~ 0.9772)
ATXN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0461	1.4703 (1.0066~ 2.1475)
AUP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0092	2.2827 (1.2264~ 4.2485)
B3GALNT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0446	0.7594 (0.5805~ 0.9934)
B3GNT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0065	0.6249 (0.4454~ 0.8766)
B3GNT8	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0108	2.3503 (1.2180~ 4.5349)
BAALC	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0455	0.6703 (0.4529~ 0.9921)
BACH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	2.3949 (1.6004~ 3.5836)
BAK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	<0.001	0.7496 (0.6833~ 0.8224)
BANK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0067	2.8356 (1.3351~ 6.0226)
BAZ2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0083	1.1696 (1.0411~ 1.3140)
BBS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0378	0.5194 (0.2799~ 0.9636)
BBS12	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0011	1.9993 (1.3174~ 3.0342)
BBX	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0157	1.6132 (1.0944~ 2.3778)
BCAS4	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0033	0.8385 (0.7457~ 0.9429)
BCL10	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	0.6969 (0.5648~ 0.8598)
BCL9	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0089	0.7513 (0.6064~ 0.9309)
BCO2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0495	1.6753 (1.0011~ 2.8036)
BEAN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0335	1.7059 (1.0426~ 2.7910)
BET1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0185	1.4990 (1.0703~ 2.0993)
BIN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0102	1.2437 (1.0531~ 1.4687)
BMS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	0.2720 (0.1394~ 0.5306)
BPI	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0106	1.1840 (1.0401~ 1.3477)
BRCA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0169	0.7002 (0.5226~ 0.9381)
BTAF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0174	0.5904 (0.3824~ 0.9114)
BTBD10	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	1.3610 (1.1365~ 1.6300)
BTBD11	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0073	0.8805 (0.8023~ 0.9663)
BTN2A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0445	1.1527 (1.0035~ 1.3241)
BTN2A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001	1.5422 (1.2705~ 1.8721)
BTN3A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	63	0.0454	0.9246 (0.8563~ 0.9984)
C11orf1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0358	1.8683 (1.0422~ 3.3492)
C11orf92	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0145	1.2751 (1.0493~ 1.5495)
C15orf39	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0099	3.3798 (1.3396~ 8.5270)
C15orf52	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0027	1.4113 (1.1269~ 1.7674)
C16orf72	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001	0.6573 (0.5370~ 0.8045)
C16orf74	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0087	0.7445 (0.5972~ 0.9282)
C16orf80	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0399	1.4229 (1.0163~ 1.9920)
C17orf103	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0135	1.4756 (1.0837~ 2.0091)
C17orf49	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0032	0.2483 (0.0982~ 0.6275)
C18orf54	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0103	1.6400 (1.1239~ 2.3929)
C19orf35	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	<0.001	1.2548 (1.0964~ 1.4360)
C19orf66	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.5753 (1.2661~ 1.9599)
C1D	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0255	0.7424 (0.5716~ 0.9641)
C1orf105	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0079	1.9083 (1.1844~ 3.0748)
C1orf177	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0201	1.7833 (1.0950~ 2.9042)
C1orf198	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0463	1.3325 (1.0047~ 1.7672)
C1orf220	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.7830 (1.3327~ 2.3856)
C1orf27	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0200	3.0338 (1.1908~ 7.7288)
C1QTNF6	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0491	0.8323 (0.6932~ 0.9993)
C1RL-AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0435	1.2084 (1.0056~ 1.4522)
C20orf111	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0017	0.8184 (0.7219~ 0.9278)

C21orf67	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0156	0.6072 (0.4053~ 0.9098)
C22orf29	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001	0.7714 (0.6626~ 0.8981)
C2CD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0130	1.5234 (1.0929~ 2.1235)
C2CD2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0021	1.3039 (1.1013~ 1.5440)
C3orf17	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0089	0.6833 (0.5136~ 0.9091)
C3orf37	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0377	1.7455 (1.0320~ 2.9523)
C4BPA	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0233	0.9293 (0.8722~ 0.9901)
C4orf32	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0352	1.2449 (1.0153~ 1.5265)
C5orf17	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0022	0.6982 (0.5548~ 0.8788)
C6orf164	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0292	1.1183 (1.0114~ 1.2366)
C7orf43	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0188	0.7785 (0.6318~ 0.9593)
C7orf50	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0092	0.7528 (0.6078~ 0.9323)
C8orf33	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001	0.6908 (0.5552~ 0.8595)
C8orf46	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0031	0.7627 (0.6375~ 0.9126)
C8orf58	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0330	1.3387 (1.0238~ 1.7505)
C9orf142	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0348	0.5898 (0.3612~ 0.9631)
C9orf3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0065	1.4263 (1.1047~ 1.8416)
C9orf66	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0140	0.6806 (0.5007~ 0.9252)
C9orf89	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	<0.001	0.8377 (0.7549~ 0.9297)
C9orf91	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001	0.6216 (0.5050~ 0.7651)
CA6	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0277	1.2429 (1.0241~ 1.5083)
CAB39L	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	1.5970 (1.2126~ 2.1033)
CACNB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0146	0.5750 (0.3688~ 0.8965)
CACUL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0073	0.7319 (0.5827~ 0.9193)
CALHM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0250	1.2127 (1.0245~ 1.4354)
CALU	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0226	0.7316 (0.5592~ 0.9571)
CAMLG	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0151	0.8238 (0.7045~ 0.9632)
CAMSAP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0215	1.2333 (1.0314~ 1.4747)
CAPN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0035	1.2055 (1.0636~ 1.3663)
CAPN12	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0212	1.1304 (1.0185~ 1.2545)
CAPN13	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0021	0.2809 (0.1253~ 0.6300)
CAPN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0259	0.7353 (0.5611~ 0.9636)
CAPN8	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0316	0.6737 (0.4700~ 0.9658)
CAPNS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.5915 (0.4425~ 0.7907)
CARD16	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0037	1.2170 (1.0659~ 1.3894)
CARD9	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0307	1.0993 (1.0088~ 1.1979)
CARKD	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0050	0.8273 (0.7248~ 0.9443)
CARM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0100	1.4620 (1.0951~ 1.9517)
CASC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0500	1.6955 (1.0000~ 2.8747)
CASD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0330	0.4680 (0.2328~ 0.9406)
CASP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0342	1.3961 (1.0252~ 1.9014)
CASP10	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	0.2804 (0.1563~ 0.5029)
CASP16	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0384	1.9502 (1.0364~ 3.6696)
CASP5	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	<0.001	1.4137 (1.1804~ 1.6931)
CASP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0395	0.9022 (0.8180~ 0.9951)
CASP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	0.5388 (0.3813~ 0.7613)
CAV1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0119	3.7359 (1.3381~10.4303)
CBFA2T3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0139	1.5853 (1.0983~ 2.2884)
CBLB	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001	0.7216 (0.6091~ 0.8549)
CBWD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0328	0.8760 (0.7757~ 0.9893)
CCDC101	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0051	0.8801 (0.8048~ 0.9625)
CCDC12	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0493	0.6917 (0.4791~ 0.9988)
CCDC127	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	0.7698 (0.6761~ 0.8766)
CCDC130	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0457	1.3011 (1.0050~ 1.6844)
CCDC137	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0042	0.5080 (0.3194~ 0.8077)
CCDC159	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0154	1.2068 (1.0366~ 1.4049)
CCDC167	Chronic Lymphocytic Leukemia	Inverse variance weighted	80	0.0281	0.9124 (0.8407~ 0.9902)
CCDC64B	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0058	1.2023 (1.0549~ 1.3704)
CCDC9	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	5.3666 (3.2140~ 8.9608)
CCHCR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.7114 (0.6080~ 0.8324)
CCL23	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0016	1.5787 (1.1892~ 2.0957)
CCND1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0341	1.6946 (1.0404~ 2.7603)
CCNE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0068	0.4790 (0.2811~ 0.8162)
CCNF	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0461	0.5671 (0.3248~ 0.9901)
CCR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0022	1.1817 (1.0621~ 1.3148)
CCR4	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0039	0.6685 (0.5085~ 0.8789)
CCS	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0030	0.8491 (0.7621~ 0.9461)
CCSAP	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0135	1.2988 (1.0555~ 1.5980)
CCT4	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0026	0.6258 (0.4615~ 0.8486)
CCT6A	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0015	0.6376 (0.4826~ 0.8422)
CCT6P3	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0016	0.8266 (0.7345~ 0.9302)
CD101	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0337	1.1278 (1.0093~ 1.2602)
CD1E	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0287	1.2900 (1.0269~ 1.6206)
CD200R1	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0072	1.2795 (1.0689~ 1.5315)
CD207	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0012	0.3682 (0.2008~ 0.6751)
CD4	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0063	0.7118 (0.5577~ 0.9084)
CD55	Chronic Lymphocytic Leukemia	Inverse variance weighted	76	<0.001	1.1748 (1.0709~ 1.2888)
CD59	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0181	0.8731 (0.7802~ 0.9771)
CD6	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0216	1.3295 (1.0427~ 1.6950)
CD70	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	0.1486 (0.0820~ 0.2694)
CD72	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0077	2.2451 (1.2383~ 4.0705)
CD86	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.5694 (0.4264~ 0.7604)
CD93	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	<0.001	1.2296 (1.1036~ 1.3700)
CDC123	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0362	1.2010 (1.0118~ 1.4257)
CDC42	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0209	0.8426 (0.7285~ 0.9744)
CDC42BPB	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0081	0.7897 (0.6630~ 0.9405)
CDCP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0239	2.1784 (1.1087~ 4.2802)
CDK11B	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0469	0.8499 (0.7239~ 0.9978)
CDK19	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0307	1.4929 (1.0380~ 2.1472)
CDK2AP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0039	0.8544 (0.7677~ 0.9508)
CDRT4	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	1.5480 (1.2474~ 1.9210)
CDS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0406	0.9183 (0.8463~ 0.9964)
CEBPA	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0100	1.6904 (1.1337~ 2.5204)
CECR6	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0371	1.1170 (1.0067~ 1.2394)
CELA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0344	0.8800 (0.7817~ 0.9907)
CENPP	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0068	1.1713 (1.0447~ 1.3134)
CENPV	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0061	0.8242 (0.7179~ 0.9463)
CEP170	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0062	0.7589 (0.6228~ 0.9248)
CEP19	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0050	0.8570 (0.7695~ 0.9544)
CEP72	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0083	0.5024 (0.3013~ 0.8378)
CEP85	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0065	0.7595 (0.6229~ 0.9261)
CERS3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0287	0.6941 (0.5005~ 0.9627)
CERS6	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0057	1.6086 (1.1487~ 2.2526)
CETN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0447	0.4483 (0.2048~ 0.9811)
CFL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0197	0.7671 (0.6139~ 0.9586)
CGGBP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001	1.2384 (1.0914~ 1.4053)
CHAC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0136	0.4413 (0.2304~ 0.8450)
CHCHD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	<0.001	0.9119 (0.8634~ 0.9632)
CHCHD7	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0041	0.5453 (0.3606~ 0.8246)
CHI3L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0033	1.1927 (1.0604~ 1.3415)
CHL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0056	0.4577 (0.2633~ 0.7955)
CHMP1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0251	0.5817 (0.3621~ 0.9345)
CHMP4B	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	<0.001	0.6992 (0.5790~ 0.8444)
CHRM3-AS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0192	0.8902 (0.8076~ 0.9812)
CHRNA10	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	0.2484 (0.1326~ 0.4653)
CIB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0305	1.5978 (1.0450~ 2.4430)
CIITA	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0108	0.6502 (0.4670~ 0.9054)
CISD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	71	0.0021	0.8753 (0.8041~ 0.9528)
CITED4	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	<0.001	1.2590 (1.1128~ 1.4243)
CKM	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.6785 (0.5392~ 0.8539)
CLCN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0297	0.7532 (0.5833~ 0.9725)
CLCN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0103	0.3178 (0.1324~ 0.7626)
CLEC12A	Chronic Lymphocytic Leukemia	Inverse variance weighted	106	0.0010	0.9121 (0.8634~ 0.9635)
CLEC12B	Chronic Lymphocytic Leukemia	Inverse variance weighted	71	<0.001	0.8520 (0.7817~ 0.9286)
CLEC18A	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0324	1.0530 (1.0043~ 1.1040)
CLEC1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0053	0.8392 (0.7418~ 0.9493)
CLEC2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	0.6016 (0.4550~ 0.7956)
CLEC3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0212	1.2269 (1.0310~ 1.4600)

CLEC4C	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0258	0.9145 (0.8454~ 0.9893)
CLEC9A	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0284	0.7646 (0.6014~ 0.9720)
CLHC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	<0.001	0.8437 (0.7717~ 0.9224)
CLIP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0112	0.8138 (0.6940~ 0.9542)
CLK4	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0225	0.8548 (0.7470~ 0.9781)
CLSTN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0029	1.3766 (1.1157~ 1.6985)
CLTCL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0026	0.7550 (0.6287~ 0.9066)
CMKLR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	<0.001	0.7777 (0.6816~ 0.8873)
CMTM3	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.6787 (1.2896~ 2.1853)
CMTM4	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	5.4931 (2.4683~12.2246)
CNN2P9	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0199	1.4267 (1.0577~ 1.9245)
CNNM4	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0041	0.6101 (0.4356~ 0.8546)
CNOT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0077	2.0190 (1.2044~ 3.3846)
CNOT4	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0033	4.6794 (1.6696~13.1155)
CNTNAP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0119	1.2691 (1.0540~ 1.5280)
COG2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	0.5479 (0.3941~ 0.7617)
COL11A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0136	0.5990 (0.3988~ 0.8998)
COL5A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0072	0.8313 (0.7265~ 0.9513)
COLQ	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0417	0.7852 (0.6222~ 0.9909)
COPB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0093	0.4636 (0.2598~ 0.8274)
COPS6	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0452	1.2756 (1.0053~ 1.6187)
COPS7A	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0387	0.7322 (0.5449~ 0.9839)
COQ2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0282	1.3038 (1.0287~ 1.6523)
COQ6	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0278	0.8165 (0.6816~ 0.9781)
COQ7	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0049	1.6177 (1.1567~ 2.2625)
CORIN	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	<0.001	0.7779 (0.6727~ 0.8995)
CORO2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0135	1.1569 (1.0305~ 1.2988)
COX14	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0100	0.7293 (0.5735~ 0.9272)
CPEB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0036	1.4071 (1.1177~ 1.7713)
CPEB4	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	<0.001	1.1880 (1.0873~ 1.2980)
CPNE3	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0110	1.3475 (1.0709~ 1.6956)
CPNE8	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.6905 (1.2407~ 2.3034)
CPSF4	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0196	0.5345 (0.3159~ 0.9044)
CRB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0494	0.5363 (0.2881~ 0.9984)
CREB3L4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0130	0.6073 (0.4097~ 0.9003)
CRIM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0345	0.6121 (0.3883~ 0.9648)
CROT	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0349	1.4117 (1.0247~ 1.9449)
CRY2	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0012	1.3060 (1.1112~ 1.5350)
CRYBG3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0115	0.6156 (0.4226~ 0.8966)
CSE1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0113	1.3718 (1.0741~ 1.7521)
CSGALNACT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	76	0.0100	0.9029 (0.8354~ 0.9759)
CSGALNACT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	0.5354 (0.3852~ 0.7440)
CSK	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0446	0.8419 (0.7117~ 0.9959)
CSNK1D	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0148	0.8045 (0.6753~ 0.9584)
CSNK1G1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0338	0.6982 (0.5010~ 0.9728)
CST3	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	<0.001	1.2982 (1.1554~ 1.4586)
CSTF2T	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.5818 (1.2048~ 2.0768)
CTA~250D10.23	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0233	1.3304 (1.0396~ 1.7026)
CTA~445C9.15	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0143	0.9404 (0.8954~ 0.9878)
CTB~113P19.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0359	0.8589 (0.7451~ 0.9901)
CTB~114C7.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0175	1.3116 (1.0487~ 1.6405)
CTB~31N19.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0286	1.1344 (1.0133~ 1.2701)
CTB~75G16.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0033	0.7938 (0.6805~ 0.9260)
CTB~B34.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0183	0.8785 (0.7888~ 0.9783)
CTC~360G5.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0184	0.8168 (0.6903~ 0.9665)
CTC~428G20.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0235	1.5285 (1.0589~ 2.2064)
CTC~444N24.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	0.6999 (0.5773~ 0.8485)
CTC~459F4.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0150	1.0764 (1.0144~ 1.1423)
CTC~459F4.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0150	1.2548 (1.0451~ 1.5066)
CTD~2020K17.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0226	1.1686 (1.0221~ 1.3362)
CTD~2037K23.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0361	0.8527 (0.7347~ 0.9897)
CTD~2047H16.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0012	1.4068 (1.1451~ 1.7284)
CTD~2203K17.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0126	1.1190 (1.0243~ 1.2224)
CTD~2258A20.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	1.2496 (1.1366~ 1.3738)
CTD~2284J15.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0406	1.3035 (1.0115~ 1.6799)
CTD~2313J17.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	<0.001	1.5980 (1.2132~ 2.1049)
CTD~2313J17.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0379	1.4705 (1.0217~ 2.1165)
CTD~2349P21.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	<0.001	0.5666 (0.4175~ 0.7690)
CTD~2516F10.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.3580 (1.1531~ 1.5992)
CTD~3023J11.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.3539 (1.1658~ 1.5724)
CTD~3064M3.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0456	0.7913 (0.6289~ 0.9955)
CTD~3138B18.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0230	1.2487 (1.0310~ 1.5124)
CTD~3214H19.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	0.8231 (0.7602~ 0.8912)
CTSS	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0221	0.8260 (0.7013~ 0.9729)
CUBN	Chronic Lymphocytic Leukemia	Inverse variance weighted	53	0.0091	1.1587 (1.0373~ 1.2943)
CUEDC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0214	1.3588 (1.0465~ 1.7644)
CUL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0247	2.1444 (1.1019~ 4.1735)
CUL5	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0051	1.2532 (1.0700~ 1.4678)
CUL7	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0076	0.6358 (0.4561~ 0.8864)
CUL9	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0263	0.4272 (0.2017~ 0.9046)
CWC25	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	0.5450 (0.3927~ 0.7564)
CXCL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0292	0.7622 (0.5972~ 0.9729)
CYCSP34	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0372	0.8725 (0.7675~ 0.9919)
CYP4V2	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0211	0.8910 (0.8077~ 0.9828)
CYTH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0422	0.7147 (0.5169~ 0.9882)
D2HGDH	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0030	0.8182 (0.7167~ 0.9342)
DAB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	<0.001	0.7890 (0.6880~ 0.9048)
DANCR	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0220	0.8506 (0.7407~ 0.9770)
DAP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0184	0.6642 (0.4726~ 0.9334)
DARC	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0021	0.6909 (0.5461~ 0.8742)
DARS	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	<0.001	1.2566 (1.1125~ 1.4194)
DBNDD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0026	1.2019 (1.0664~ 1.3547)
DCAF16	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0434	1.6042 (1.0141~ 2.5376)
DCAF4	Chronic Lymphocytic Leukemia	Inverse variance weighted	69	<0.001	1.1534 (1.0637~ 1.2506)
DCAF6	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0228	2.1800 (1.1147~ 4.2635)
DCAKD	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0343	0.8710 (0.7664~ 0.9899)
DCBLD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001	1.3397 (1.1327~ 1.5847)
DCLRE1A	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0057	2.0221 (1.2278~ 3.3305)
DCP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0278	0.7638 (0.6007~ 0.9711)
DCPS	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0014	1.2534 (1.0908~ 1.4402)
DDAH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0148	1.3284 (1.0573~ 1.6691)
DDB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0018	1.6752 (1.2114~ 2.3166)
DDX10P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	0.8168 (0.7296~ 0.9144)
DDX11L2	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0472	1.0527 (1.0006~ 1.1074)
DEPTOR	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0020	1.6562 (1.2035~ 2.2792)
DERL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0032	2.2751 (1.3177~ 3.9281)
DET1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0088	0.6826 (0.5129~ 0.9085)
DFFA	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0080	1.3496 (1.0812~ 1.6847)
DFNB31	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0032	0.6932 (0.5433~ 0.8845)
DHFR	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	<0.001	0.8793 (0.8256~ 0.9365)
DHRS13	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0028	1.8925 (1.2447~ 2.8776)
DHX33	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	0.2987 (0.1745~ 0.5113)
DHX34	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0019	1.3698 (1.1234~ 1.6702)
DHX38	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.5227 (0.3930~ 0.6952)
DIDO1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0231	0.6823 (0.4906~ 0.9489)
DIP2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0313	1.3044 (1.0241~ 1.6614)
DISC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0026	0.7494 (0.6213~ 0.9039)
DKFZP761J1410	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0073	1.2841 (1.0696~ 1.5415)
DKFZP779L1853	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0110	0.4886 (0.2813~ 0.8486)
DKK3	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0110	0.8735 (0.7870~ 0.9694)
DLGAP1~AS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0152	1.5855 (1.0927~ 2.3007)
DLL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0109	1.2602 (1.0548~ 1.5057)
DMXL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0201	0.7369 (0.5696~ 0.9533)
DNAI2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0041	0.7010 (0.5499~ 0.8935)
DNAJB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0204	2.4172 (1.1463~ 5.0975)
DNAJB6	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0155	1.1764 (1.0314~ 1.3418)
DNAJC27~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0072	0.6665 (0.4959~ 0.8960)
DNAJC3~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0418	0.6175 (0.3882~ 0.9822)
DNASE1L3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0246	1.1964 (1.0232~ 1.3989)
DNASE2	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0018	0.8264 (0.7330~ 0.9317)
DNM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0308	1.8588 (1.0590~ 3.2623)
DNMT3A	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0400	0.4911 (0.2492~ 0.9680)
DNPH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0497	0.8449 (0.7139~ 0.9998)
DOCK9	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0032	0.6079 (0.4365~ 0.8467)
DPAGT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0175	1.5506 (1.0799~ 2.2264)
DPEP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	<0.001	1.5173 (1.1981~ 1.9217)
DPEP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.7135 (0.5997~ 0.8489)
DPP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0010	1.4242 (1.1528~ 1.7596)
DPP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0424	0.7887 (0.6271~ 0.9919)
DPP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0032	0.7228 (0.5824~ 0.8972)
DPPA3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	0.6790 (0.5558~ 0.8295)
DPYD	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0024	0.7682 (0.6481~ 0.9105)
DRAXIN	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0081	1.2795 (1.0662~ 1.5356)
DSC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	1.4405 (1.1717~ 1.7709)
DSC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	2.0205 (1.4223~ 2.8703)
DSCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0014	0.6759 (0.5315~ 0.8595)
DSE	Chronic Lymphocytic Leukemia	Inverse variance weighted	69	0.0067	0.8822 (0.8057~ 0.9659)
DST	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0077	1.9743 (1.1967~ 3.2572)
DSTYK	Chronic Lymphocytic Leukemia	Inverse variance weighted	64	<0.001	0.8376 (0.7683~ 0.9132)
DTX3L	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0011	0.5449 (0.3781~ 0.7852)
DUS2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001	1.2561 (1.1261~ 1.4010)
DUSP10	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0286	1.7111 (1.0579~ 2.7677)

DUT	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0264	1.3350 (1.0345~ 1.7228)
DVL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0212	0.4749 (0.2521~ 0.8948)
DYNC2LI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0092	1.7140 (1.1426~ 2.5712)
DZIP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0284	1.1644 (1.0162~ 1.3341)
ECH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.4690 (1.1802~ 1.8285)
EDEM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0168	0.7925 (0.6550~ 0.9590)
EED	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0243	2.3033 (1.1146~ 4.7598)
EEF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	0.2882 (0.1714~ 0.4845)
EFCAB11	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0156	0.5758 (0.3681~ 0.9007)
EFCAB12	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0124	1.9310 (1.1526~ 3.2353)
EFCAB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0201	0.8271 (0.7047~ 0.9707)
EFHA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0068	0.7283 (0.5789~ 0.9162)
EFHA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0325	0.6232 (0.4040~ 0.9614)
EFHB	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	<0.001	1.3663 (1.2190~ 1.5314)
EGLN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.7803 (1.2871~ 2.4627)
EIF2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0032	1.2220 (1.0695~ 1.3962)
EIF2D	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0044	0.7016 (0.5497~ 0.8956)
EIF3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0034	1.8462 (1.2243~ 2.7839)
EIF3G	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0018	1.3214 (1.1096~ 1.5735)
EIF3K	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0366	0.7508 (0.5739~ 0.9823)
EIF3M	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0375	1.8387 (1.0357~ 3.2640)
EIF4E3	Chronic Lymphocytic Leukemia	Inverse variance weighted	50	0.0243	0.8692 (0.7694~ 0.9820)
EIF4G2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0256	0.4030 (0.1814~ 0.8953)
EIF6	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	1.2820 (1.1074~ 1.4841)
ELF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0326	1.3802 (1.0271~ 1.8548)
ELMO3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0011	1.5125 (1.1799~ 1.9388)
ELOVL4	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0240	1.3460 (1.0398~ 1.7423)
ELOVL7	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0438	1.3194 (1.0078~ 1.7272)
EMR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	78	0.0038	0.8872 (0.8181~ 0.9622)
ENDOD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0324	1.3597 (1.0261~ 1.8019)
ENDOV	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0439	0.5262 (0.2818~ 0.9825)
ENO1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0132	0.7482 (0.5948~ 0.9411)
ENTPD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0176	0.7859 (0.6442~ 0.9588)
EPHB6	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0418	1.2477 (1.0082~ 1.5441)
EPM2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0048	0.6840 (0.5252~ 0.8908)
EPOR	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0161	1.3642 (1.0594~ 1.7568)
EPS15L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0406	0.5756 (0.3392~ 0.9767)
ERAL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0128	1.5654 (1.1001~ 2.2276)
ERC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0070	1.9434 (1.1989~ 3.1501)
ERCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0052	1.3419 (1.0916~ 1.6497)
ERICH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	68	0.0359	0.8905 (0.7991~ 0.9924)
ERO1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	80	0.0100	1.1133 (1.0260~ 1.2080)
ERVK3~1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0039	0.8615 (0.7786~ 0.9533)
ESPNL	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0030	1.7234 (1.2026~ 2.4696)
ESR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0423	0.7184 (0.5220~ 0.9885)
ESYT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0250	0.8675 (0.7661~ 0.9823)
ETV5	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0494	1.5802 (1.0011~ 2.4942)
EVA1C	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	0.7028 (0.5926~ 0.8336)
EVI2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0053	0.7823 (0.6584~ 0.9295)
EVPL	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0432	1.5609 (1.0136~ 2.4038)
EXOC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	4.7979 (2.1245~10.8355)
EXOC3	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0041	1.1219 (1.0372~ 1.2135)
F13A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0466	1.1712 (1.0024~ 1.3684)
F5	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0303	0.8688 (0.7650~ 0.9867)
FAAH	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0088	1.2673 (1.0615~ 1.5131)
FAHD2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0275	0.7349 (0.5588~ 0.9664)
FAIM3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0322	0.6887 (0.4896~ 0.9688)
FAM151B	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0016	0.6491 (0.4963~ 0.8491)
FAM153B	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0494	1.1205 (1.0003~ 1.2552)
FAM153C	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0427	0.8228 (0.6814~ 0.9936)
FAM167A	Chronic Lymphocytic Leukemia	Inverse variance weighted	139	<0.001	1.2368 (1.1541~ 1.3254)
FAM167B	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0098	1.7020 (1.1366~ 2.5486)
FAM169B	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0393	1.6556 (1.0250~ 2.6742)
FAM177B	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0276	1.2425 (1.0242~ 1.5073)
FAM192A	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	2.6003 (1.7678~ 3.8249)
FAM198B	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0498	0.8892 (0.7908~ 0.9999)
FAM210B	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0236	1.3286 (1.0388~ 1.6994)
FAM213B	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0321	1.1393 (1.0112~ 1.2835)
FAM216A	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0392	0.8386 (0.7094~ 0.9914)
FAM26F	Chronic Lymphocytic Leukemia	Inverse variance weighted	63	<0.001	1.1378 (1.0568~ 1.2251)
FAM35A	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0314	1.3304 (1.0258~ 1.7253)
FAM53A	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	1.4522 (1.1855~ 1.7788)
FAM65A	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0113	0.6198 (0.4281~ 0.8974)
FAM83A	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0088	1.3092 (1.0702~ 1.6015)
FAM83G	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0458	0.8129 (0.6633~ 0.9962)
FANCE	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0434	0.3941 (0.1597~ 0.9727)
FANCG	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0430	1.3831 (1.0102~ 1.8936)
FAR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0025	0.5155 (0.3357~ 0.7918)
FARS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0011	1.4131 (1.1487~ 1.7383)
FARSB	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0495	0.5530 (0.3062~ 0.9986)
FAS	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	1.4587 (1.1660~ 1.8249)
FBLN5	Chronic Lymphocytic Leukemia	Inverse variance weighted	80	0.0418	1.0786 (1.0028~ 1.1602)
FBXL15	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0475	0.6257 (0.3935~ 0.9949)
FBXL18	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0039	2.7691 (1.3868~ 5.5295)
FBXO2	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0240	1.1387 (1.0173~ 1.2746)
FBXO44	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0393	1.4431 (1.0181~ 2.0455)
FBXW5	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0273	0.4035 (0.1803~ 0.9032)
FCF1P2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0332	0.8552 (0.7405~ 0.9876)
FCGR2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	63	0.0081	0.8997 (0.8320~ 0.9729)
FDFT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	112	<0.001	1.1421 (1.0682~ 1.2211)
FEM1C	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0305	1.1765 (1.0154~ 1.3633)
FERMT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0108	0.2774 (0.1035~ 0.7434)
FGD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0331	1.1984 (1.0146~ 1.4154)
FGD6	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0099	1.2441 (1.0539~ 1.4687)
FGF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0292	0.5112 (0.2797~ 0.9342)
FGFBP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0043	0.7755 (0.6511~ 0.9236)
FGFR1OP	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0277	1.2856 (1.0279~ 1.6079)
FGFR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0151	0.8117 (0.6860~ 0.9605)
FHAD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0089	0.6561 (0.4786~ 0.8996)
FHL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0326	0.7763 (0.6153~ 0.9793)
FHOD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.6036 (1.2108~ 2.1239)
FIBP	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0389	1.3043 (1.0136~ 1.6784)
FKRP	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	0.6769 (0.5750~ 0.7968)
FKSG48	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0271	1.1451 (1.0155~ 1.2913)
FLNB~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0224	0.7008 (0.5165~ 0.9509)
FLVCR1~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	77	0.0175	0.9269 (0.8706~ 0.9868)
FLYWCH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0097	0.8153 (0.6984~ 0.9517)
FOXN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0031	1.2128 (1.0673~ 1.3781)
FOXP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0421	0.5831 (0.3466~ 0.9809)
FOXRED1	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0472	0.9176 (0.8429~ 0.9989)
FRS3	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0038	0.6424 (0.4758~ 0.8672)
FSTL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0410	0.7713 (0.6013~ 0.9894)
FUCA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0246	1.1550 (1.0186~ 1.3096)
FURIN	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0121	0.6480 (0.4617~ 0.9095)
FZD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001	1.4003 (1.1669~ 1.6804)
FZD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0040	0.6325 (0.4628~ 0.8644)
FZD6	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0012	1.2466 (1.0909~ 1.4246)
GABARAPL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0175	1.4540 (1.0678~ 1.9798)
GABPB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0386	0.6593 (0.4442~ 0.9784)
GAL3ST4	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	0.6737 (0.5343~ 0.8494)
GALK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0165	1.5142 (1.0788~ 2.1254)
GALNS	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0244	0.7664 (0.6080~ 0.9662)
GALNT14	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0192	0.6329 (0.4316~ 0.9281)
GALNT6	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0500	1.1574 (1.0000~ 1.3396)
GALNT7	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0403	2.6259 (1.0435~ 6.6081)
GANAB	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0093	0.6032 (0.4122~ 0.8827)
GAS2L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0263	2.2756 (1.1019~ 4.6996)
GATAD2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0294	1.1577 (1.0148~ 1.3206)
GBAS	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0089	0.5995 (0.4087~ 0.8795)
GBE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0015	0.5191 (0.3466~ 0.7775)
GBGT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0120	0.7737 (0.6333~ 0.9453)
GCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0058	1.5940 (1.1448~ 2.2196)
GCN1L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0318	1.1538 (1.0126~ 1.3148)
GCSAML~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0217	0.7486 (0.5847~ 0.9585)
GDF7	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0266	0.5666 (0.3429~ 0.9362)
GEMIN4	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0070	0.6831 (0.5178~ 0.9011)
GEMIN7	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0225	1.7015 (1.0780~ 2.6856)
GFI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0048	0.3458 (0.1653~ 0.7233)
GFPT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0012	1.2128 (1.0791~ 1.3631)
GGCX	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0192	0.8258 (0.7036~ 0.9693)
GIMAP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0498	1.3074 (1.0003~ 1.7090)
GIMAP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0148	1.2106 (1.0382~ 1.4117)
GIPC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0203	0.6662 (0.4728~ 0.9387)
GLB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.7590 (1.3326~ 2.3218)
GLTP	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0196	0.7926 (0.6519~ 0.9635)
GLYCTK	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0442	1.1669 (1.0040~ 1.3561)
GM2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	60	0.0251	0.9171 (0.8502~ 0.9893)
GMCL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0362	0.6170 (0.3927~ 0.9694)
GNA12	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0258	1.2235 (1.0247~ 1.4610)
GNAI3	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0190	0.8535 (0.7477~ 0.9743)
GNAS	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0091	1.4254 (1.0920~ 1.8604)

GNB1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0053	1.2373 (1.0654~ 1.4369)
GNB5	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0281	0.7817 (0.6275~ 0.9739)
GNL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0171	2.0171 (1.1333~ 3.5899)
GNPTG	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0127	0.7009 (0.5299~ 0.9270)
GOLGA8A	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0317	1.1550 (1.0127~ 1.3172)
GOLM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0292	1.1689 (1.0159~ 1.3450)
GOSR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0337	2.2562 (1.0648~ 4.7808)
GPATCH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0494	0.8683 (0.7542~ 0.9997)
GPBP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0013	1.9558 (1.3010~ 2.9402)
GPCPD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0346	1.2965 (1.0190~ 1.6494)
GPD1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	<0.001	0.8248 (0.7358~ 0.9245)
GPM6A	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0014	1.3775 (1.1318~ 1.6765)
GPN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	50	0.0346	0.9168 (0.8458~ 0.9937)
GPR133	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0020	1.3631 (1.1198~ 1.6593)
GPR146	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0079	1.1738 (1.0429~ 1.3211)
GPR56	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0128	1.4563 (1.0831~ 1.9580)
GPX3	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.5698 (1.2000~ 2.0534)
GRAMD1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	2.6493 (1.6966~ 4.1370)
GRB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0048	1.9798 (1.2314~ 3.1829)
GRK4	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001	0.6750 (0.5676~ 0.8027)
GRN	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.5726 (0.4473~ 0.7330)
GRWD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0093	0.7034 (0.5396~ 0.9168)
GSDMA	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0381	0.8845 (0.7876~ 0.9933)
GSK3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	0.6903 (0.5650~ 0.8435)
GSKIP	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0325	1.2139 (1.0163~ 1.4498)
GSN	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0043	1.1390 (1.0416~ 1.2455)
GSS	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0378	0.2790 (0.0837~ 0.9305)
GSTM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	62	0.0455	1.0764 (1.0015~ 1.1570)
GTF2I	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0188	1.3878 (1.0559~ 1.8239)
GTF2IP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	0.7288 (0.6222~ 0.8538)
GTF2IRD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0024	2.0201 (1.2834~ 3.1798)
GTPBP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0320	0.8302 (0.7004~ 0.9841)
GTPBP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0360	1.3154 (1.0180~ 1.6997)
GTSF1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0356	2.5839 (1.0661~ 6.2628)
GUCY1A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0164	0.4826 (0.2662~ 0.8748)
GUF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0086	0.6847 (0.5163~ 0.9081)
GUSBP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0331	1.3703 (1.0256~ 1.8309)
HABP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0419	0.7088 (0.5088~ 0.9875)
HAL	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0026	0.8472 (0.7605~ 0.9437)
HARS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0216	0.4886 (0.2652~ 0.9003)
HAT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0014	1.5492 (1.1838~ 2.0274)
HAUS8	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	0.6774 (0.5393~ 0.8509)
HBG2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0014	0.8302 (0.7406~ 0.9307)
HBS1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0083	1.5299 (1.1154~ 2.0984)
HBZ	Chronic Lymphocytic Leukemia	Inverse variance weighted	61	0.0022	0.8998 (0.8410~ 0.9627)
HCAR3	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0136	0.8374 (0.7273~ 0.9642)
HCG18	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0474	1.8248 (1.0068~ 3.3074)
HCG4	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0158	1.3669 (1.0604~ 1.7619)
HCG4P6	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0432	1.3687 (1.0097~ 1.8552)
HCG9	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0049	1.4099 (1.1100~ 1.7909)
HCK	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0023	1.6271 (1.1899~ 2.2249)
HCP5	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0114	0.5367 (0.3315~ 0.8689)
HDDC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0222	0.9032 (0.8277~ 0.9855)
HEATR3	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0026	1.1735 (1.0573~ 1.3023)
HEATR5B	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0057	0.6240 (0.4466~ 0.8719)
HERC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	2.4560 (1.6148~ 3.7355)
HES6	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0092	0.7885 (0.6594~ 0.9428)
HEY1	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0100	0.8336 (0.7258~ 0.9575)
HIF1AN	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0280	1.2613 (1.0253~ 1.5515)
HINFP	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0017	0.7451 (0.6204~ 0.8950)
HIST1H2AE	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0333	0.7927 (0.6401~ 0.9818)
HIST1H2BD	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0023	1.1619 (1.0551~ 1.2796)
HIST1H2BF	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	1.8482 (1.3357~ 2.5573)
HIST1H2BK	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	0.7807 (0.6847~ 0.8900)
HIST1H3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0088	0.4391 (0.2372~ 0.8129)
HIST1H4H	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0022	1.2931 (1.0969~ 1.5245)
HK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	<0.001	1.2325 (1.0939~ 1.3887)
HKR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0086	0.7528 (0.6091~ 0.9304)
HLA−A	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	1.4686 (1.2381~ 1.7420)
HLA−B	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0293	1.1362 (1.0129~ 1.2744)
HLA−DOA	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.6006 (0.5000~ 0.7215)
HLA−DPB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0031	0.8011 (0.6916~ 0.9280)
HLA−DQA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0034	0.8312 (0.7344~ 0.9407)
HLA−DQA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0017	1.1629 (1.0581~ 1.2781)
HLA−DQB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	<0.001	0.6804 (0.6079~ 0.7614)
HLA−DQB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.4748 (1.2719~ 1.7099)
HLA−E	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0056	0.6157 (0.4368~ 0.8680)
HLA−F−AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0268	1.9426 (1.0794~ 3.4962)
HLA−F	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	<0.001	0.8075 (0.7164~ 0.9101)
HLA−J	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0060	0.7566 (0.6202~ 0.9231)
HLA−K	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0068	1.1800 (1.0468~ 1.3302)
HLA−S	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0445	0.8978 (0.8082~ 0.9974)
HLA−U	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	0.7868 (0.6990~ 0.8856)
HLA−V	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0394	0.7591 (0.5840~ 0.9867)
HLCS	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	<0.001	0.7591 (0.6570~ 0.8771)
HM13	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0113	0.7978 (0.6698~ 0.9502)
HMGN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0137	1.2203 (1.0416~ 1.4295)
HNRNPF	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0250	0.7320 (0.5573~ 0.9616)
HNRNPH3	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0105	0.4533 (0.2471~ 0.8312)
HNRPLL	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0374	0.6951 (0.4935~ 0.9789)
HP	Chronic Lymphocytic Leukemia	Inverse variance weighted	65	0.0136	1.1280 (1.0251~ 1.2413)
HPCAL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0343	0.8453 (0.7235~ 0.9877)
HPGD	Chronic Lymphocytic Leukemia	Inverse variance weighted	50	0.0479	0.8774 (0.7707~ 0.9988)
HPX	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0447	0.4705 (0.2254~ 0.9823)
HSD17B12	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0291	1.1138 (1.0110~ 1.2270)
HSD17B14	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0104	0.7603 (0.6166~ 0.9376)
HSD17B1P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0032	0.7111 (0.5668~ 0.8921)
HSDL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0338	0.8433 (0.7205~ 0.9870)
HSPA1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001	1.6328 (1.3675~ 1.9496)
ICAM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0042	0.7139 (0.5667~ 0.8994)
ICAM5	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	0.5112 (0.3447~ 0.7582)
IDI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0394	1.8973 (1.0315~ 3.4899)
IDO1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0219	1.3070 (1.0395~ 1.6433)
IFI16	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0060	0.6617 (0.4929~ 0.8883)
IFI27	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	1.8047 (1.3218~ 2.4641)
IFI27L2	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	0.7468 (0.6431~ 0.8672)
IFIT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0018	0.4884 (0.3116~ 0.7655)
IFIT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0055	0.3028 (0.1302~ 0.7042)
IFITM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0267	0.7959 (0.6504~ 0.9739)
IFITM4P	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.2661 (1.1644~ 1.3766)
IFNG−AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	<0.001	1.1496 (1.0591~ 1.2479)
IFNG	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0012	0.3035 (0.1478~ 0.6231)
IFNL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0410	1.3899 (1.0135~ 1.9063)
IFNL3P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0342	0.7553 (0.5824~ 0.9794)
IFT27	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0354	0.8218 (0.6844~ 0.9866)
IGFBP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0085	0.7938 (0.6684~ 0.9428)
IGFBP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0061	0.5619 (0.3722~ 0.8483)
IGHV3−20	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0055	0.8809 (0.8055~ 0.9634)
IGHV4−31	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0118	0.8484 (0.7465~ 0.9642)
IGHVIII−67−4	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0476	1.1680 (1.0016~ 1.3620)
IGKV1D−17	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0306	1.1135 (1.0101~ 1.2275)
IGKV2−29	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	1.2504 (1.0984~ 1.4235)
IGLC5	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0043	1.3078 (1.0876~ 1.5725)
IGLV3−12	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0114	0.9194 (0.8615~ 0.9812)
IGLV3−13	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0243	0.8958 (0.8140~ 0.9858)
IGLV5−37	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0209	0.9000 (0.8229~ 0.9842)
IGSF6	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0361	1.3547 (1.0198~ 1.7994)
IKZF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0061	0.8645 (0.7790~ 0.9593)
IL10	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	0.4734 (0.3145~ 0.7126)
IL12RB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0023	1.2021 (1.0681~ 1.3529)
IL17RA	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0188	1.3807 (1.0549~ 1.8070)
IL18R1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0097	1.2093 (1.0471~ 1.3966)
IL24	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0299	0.5811 (0.3559~ 0.9486)
IL32	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0111	1.1529 (1.0330~ 1.2868)
ILDR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0035	0.3498 (0.1727~ 0.7084)
ILKAP	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0273	2.0915 (1.0861~ 4.0275)
IMMT	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0179	0.8705 (0.7762~ 0.9764)
IMP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0121	1.8597 (1.1452~ 3.0199)
INF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0025	1.2254 (1.0742~ 1.3978)
ING1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0102	0.7368 (0.5836~ 0.9301)
ING5	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	<0.001	0.7916 (0.6980~ 0.8978)
INO80B	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0012	0.5361 (0.3673~ 0.7825)
INO80C	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	<0.001	0.6928 (0.5805~ 0.8269)
INO80E	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0066	0.7890 (0.6649~ 0.9363)
INPP5D	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0147	0.6710 (0.4870~ 0.9245)
INPPL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0110	1.4554 (1.0898~ 1.9437)
INSC	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.8892 (1.3983~ 2.5525)
INVS	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0462	0.8218 (0.6777~ 0.9967)
IPMK	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0070	0.8627 (0.7749~ 0.9605)
IPO11	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0042	0.5000 (0.3111~ 0.8036)
IQCB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	68	0.0070	1.1440 (1.0375~ 1.2615)
IQCE	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0345	0.5959 (0.3687~ 0.9630)

IQGAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0276	0.8614 (0.7543~ 0.9837)
IREB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	<0.001	0.8058 (0.7149~ 0.9082)
IRF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0410	0.3762 (0.1473~ 0.9610)
IRF3	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0212	1.3423 (1.0450~ 1.7240)
ISCA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0126	1.1608 (1.0324~ 1.3050)
ISG20	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	<0.001	0.7584 (0.6695~ 0.8590)
ISOC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0018	0.8057 (0.7033~ 0.9230)
ITCH	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	2.1643 (1.5035~ 3.1156)
ITFG2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0353	1.4046 (1.0237~ 1.9272)
ITGA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0123	1.2671 (1.0528~ 1.5249)
ITGA4	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0013	0.8184 (0.7243~ 0.9248)
ITGAL	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0141	0.6796 (0.4992~ 0.9253)
ITGAV	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.7171 (1.2819~ 2.3001)
ITGAX	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0210	0.9142 (0.8471~ 0.9866)
ITGB2~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0449	0.9396 (0.8841~ 0.9986)
ITGB5	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0067	0.5411 (0.3471~ 0.8435)
ITIH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0028	1.4955 (1.1486~ 1.9471)
ITPR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0140	0.8113 (0.6867~ 0.9586)
IVD	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	<0.001	1.2064 (1.0857~ 1.3405)
IWS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0055	0.6271 (0.4510~ 0.8718)
JARID2	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0282	1.2521 (1.0243~ 1.5307)
JUN	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0284	1.3482 (1.0321~ 1.7610)
KANK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	62	0.0285	0.8889 (0.8000~ 0.9877)
KANK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	0.4059 (0.2450~ 0.6726)
KANSL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0046	1.3087 (1.0864~ 1.5766)
KB~1507C5.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	1.3904 (1.1702~ 1.6520)
KB~431C1.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0068	0.8701 (0.7865~ 0.9624)
KB~431C1.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001	0.8327 (0.7636~ 0.9081)
KCNB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	1.7056 (1.2567~ 2.3148)
KCNH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0093	0.6113 (0.4219~ 0.8857)
KCNH3	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	2.5185 (1.4657~ 4.3272)
KCNJ2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0195	0.6263 (0.4229~ 0.9276)
KCNQ5	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	0.6607 (0.5180~ 0.8426)
KCNT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0030	1.4040 (1.1225~ 1.7560)
KCTD10	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	0.0135	0.8687 (0.7770~ 0.9713)
KCTD15	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0327	1.3371 (1.0243~ 1.7456)
KCTD7	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0052	0.8484 (0.7560~ 0.9521)
KDM1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	1.8919 (1.4003~ 2.5561)
KDM4C	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0037	2.1272 (1.2785~ 3.5392)
KHK	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0304	0.8499 (0.7336~ 0.9847)
KIAA0922	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0044	0.4414 (0.2515~ 0.7745)
KIAA1524	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0162	0.7313 (0.5666~ 0.9438)
KIAA1551	Chronic Lymphocytic Leukemia	Inverse variance weighted	56	<0.001	1.3239 (1.1732~ 1.4940)
KIAA1875	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0324	1.1242 (1.0099~ 1.2514)
KIAA2013	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0195	0.9136 (0.8469~ 0.9855)
KIF1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	56	<0.001	1.1810 (1.0910~ 1.2783)
KIF2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0027	2.1564 (1.3052~ 3.5627)
KIF3A	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0126	0.4653 (0.2551~ 0.8485)
KIR3DL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0489	1.2063 (1.0009~ 1.4539)
KLF11	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0022	0.7673 (0.6477~ 0.9090)
KLRAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0223	0.7830 (0.6347~ 0.9658)
KLRC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0130	1.1731 (1.0342~ 1.3306)
KLRC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0198	1.1507 (1.0225~ 1.2950)
KNSTRN	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0056	0.8794 (0.8029~ 0.9632)
KPNA3	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0253	0.5915 (0.3734~ 0.9371)
KPNA6	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0044	2.6584 (1.3556~ 5.2130)
KRT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	79	0.0328	1.0843 (1.0066~ 1.1680)
KRT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	2.6175 (1.5334~ 4.4681)
KRT72	Chronic Lymphocytic Leukemia	Inverse variance weighted	79	<0.001	1.2044 (1.1114~ 1.3052)
KRT73	Chronic Lymphocytic Leukemia	Inverse variance weighted	72	<0.001	1.1970 (1.1071~ 1.2942)
KRT74	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0017	1.6631 (1.2108~ 2.2843)
KRT79	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0133	1.9601 (1.1505~ 3.3395)
KYNU	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0068	1.2707 (1.0684~ 1.5114)
L3HYPDH	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0025	1.3370 (1.1072~ 1.6146)
L3MBTL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	72	0.0012	0.8815 (0.8165~ 0.9516)
LACTB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0380	0.7839 (0.6229~ 0.9867)
LAMC3	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.4206 (1.1808~ 1.7091)
LAMP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0429	1.7965 (1.0189~ 3.1675)
LANCL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	<0.001	0.3415 (0.2021~ 0.5772)
LARP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0417	1.9295 (1.0249~ 3.6325)
LBX2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	<0.001	2.3878 (1.5539~ 3.6690)
LCAT	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0362	1.3992 (1.0219~ 1.9158)
LCMT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0446	1.2334 (1.0051~ 1.5136)
LEP	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0351	2.3797 (1.0622~ 5.3312)
LGALS9C	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0310	1.0664 (1.0059~ 1.1306)
LHPP	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0299	0.8746 (0.7750~ 0.9870)
LHX4	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0293	2.8916 (1.1129~ 7.5128)
LILRA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0438	0.8795 (0.7763~ 0.9965)
LILRA5	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0397	0.8512 (0.7300~ 0.9925)
LIMA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0373	0.8277 (0.6928~ 0.9889)
LIN37	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0122	0.5778 (0.3762~ 0.8874)
LIN7C	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0175	0.5068 (0.2894~ 0.8876)
LINC00205	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0103	0.7875 (0.6561~ 0.9452)
LINC00304	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0408	0.7205 (0.5262~ 0.9864)
LINC00339	Chronic Lymphocytic Leukemia	Inverse variance weighted	84	0.0290	1.0779 (1.0077~ 1.1529)
LINC00342	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0441	0.7789 (0.6107~ 0.9935)
LINC00402	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.3356 (1.1280~ 1.5815)
LINC00662	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0094	0.7889 (0.6596~ 0.9434)
LINC00667	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0219	0.9297 (0.8735~ 0.9895)
LIPC	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	1.5079 (1.1808~ 1.9255)
LL22NC03~80A10.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0174	0.9183 (0.8560~ 0.9851)
LMF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0089	0.5414 (0.3417~ 0.8576)
LMNB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0047	0.7104 (0.5606~ 0.9003)
LMNB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0087	0.4630 (0.2604~ 0.8233)
LONP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0137	0.7948 (0.6621~ 0.9541)
LPAR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	98	0.0189	1.0842 (1.0134~ 1.1599)
LRP10	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0391	1.3563 (1.0154~ 1.8116)
LRP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0032	0.7906 (0.6762~ 0.9244)
LRPAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0341	1.2822 (1.0188~ 1.6136)
LRR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0148	0.7873 (0.6497~ 0.9542)
LRRC27	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0061	1.3222 (1.0831~ 1.6141)
LRRC28	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0118	0.8337 (0.7236~ 0.9605)
LRRC58	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0247	1.5450 (1.0570~ 2.2582)
LSR	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0292	0.7058 (0.5160~ 0.9654)
LTB4R	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0473	0.6395 (0.4111~ 0.9946)
LY9	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0036	0.6065 (0.4329~ 0.8496)
LYRM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0366	2.3099 (1.0536~ 5.0642)
LYRM5	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0066	1.4590 (1.1111~ 1.9159)
LYRM7	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0497	0.5814 (0.3383~ 0.9993)
LYZ	Chronic Lymphocytic Leukemia	Inverse variance weighted	92	0.0049	1.1074 (1.0314~ 1.1889)
MAD2L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0079	1.4809 (1.1086~ 1.9782)
MAD2L1BP	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0149	1.2805 (1.0494~ 1.5626)
MAF	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0281	2.5252 (1.1048~ 5.7713)
MAGOHB	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0021	1.8205 (1.2424~ 2.6675)
MAML3	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0157	1.1941 (1.0340~ 1.3791)
MAN1A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	0.5997 (0.4495~ 0.8003)
MAN2A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0205	0.7321 (0.5624~ 0.9531)
MAN2C1	Chronic Lymphocytic Leukemia	Inverse variance weighted	69	0.0191	0.9095 (0.8402~ 0.9846)
MANEA	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0164	0.8713 (0.7785~ 0.9750)
MAP2K2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0148	0.6508 (0.4607~ 0.9194)
MAP2K5	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0382	0.8680 (0.7592~ 0.9924)
MAP3K9	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0231	0.7354 (0.5641~ 0.9588)
MAPK3	Chronic Lymphocytic Leukemia	Inverse variance weighted	56	0.0497	0.9133 (0.8342~ 0.9999)
2~Mar	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0117	1.3132 (1.0625~ 1.6232)
5~Mar	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0044	2.0298 (1.2470~ 3.3039)
8~Mar	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0111	1.7350 (1.1340~ 2.6545)
MARK4	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0011	0.7346 (0.6102~ 0.8844)
MAST3	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.8648 (1.4295~ 2.4326)

MATK	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0211	1.6517 (1.0782~ 2.5303)
MAU2	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0099	0.8787 (0.7964~ 0.9695)
MAX	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0016	1.5940 (1.1926~ 2.1305)
MBLAC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0110	0.4106 (0.2068~ 0.8152)
MBNL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0426	1.1649 (1.0051~ 1.3500)
MCCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.6513 (0.5135~ 0.8261)
MCF2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0397	1.2555 (1.0108~ 1.5594)
MDM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0147	1.3528 (1.0612~ 1.7244)
MDM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0166	1.2577 (1.0426~ 1.5171)
MED30	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	2.0644 (1.3834~ 3.0807)
MED4	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0350	0.8690 (0.7627~ 0.9902)
MEF2BNB	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0269	0.7297 (0.5519~ 0.9646)
METTL14	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0448	0.6515 (0.4287~ 0.9901)
METTL21B	Chronic Lymphocytic Leukemia	Inverse variance weighted	85	0.0236	1.0682 (1.0089~ 1.1311)
METTL22	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0137	0.8188 (0.6986~ 0.9598)
MFN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0206	0.8031 (0.6670~ 0.9669)
MFSD12	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0034	0.7215 (0.5800~ 0.8975)
MFSD5	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0154	0.7471 (0.5901~ 0.9458)
MGA	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0293	1.7885 (1.0604~ 3.0164)
MGAT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0033	0.7592 (0.6319~ 0.9121)
MGAT4B	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0076	1.7527 (1.1610~ 2.6458)
MIAT	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0120	0.8815 (0.7989~ 0.9727)
MICA	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0287	1.0881 (1.0088~ 1.1736)
MICAL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0230	0.5647 (0.3451~ 0.9242)
MICD	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	1.3106 (1.1437~ 1.5020)
MICE	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	1.5315 (1.3495~ 1.7381)
MIF4GD	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	1.3756 (1.1432~ 1.6552)
MIR4482~1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0209	1.2699 (1.0369~ 1.5553)
MIR4772	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0164	1.2360 (1.0395~ 1.4696)
MLF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0022	0.5798 (0.4088~ 0.8222)
MLF1IP	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0087	0.8578 (0.7649~ 0.9620)
MLKL	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	<0.001	1.3024 (1.1186~ 1.5164)
MLLT6	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0059	1.8311 (1.1900~ 2.8174)
MMEL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0114	1.1468 (1.0314~ 1.2752)
MMP24	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0013	0.5467 (0.3786~ 0.7896)
MMP25	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0174	1.1671 (1.0275~ 1.3256)
MMRN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0259	0.6238 (0.4118~ 0.9449)
MMS22L	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0101	1.8186 (1.1534~ 2.8677)
MNDA	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0033	0.7661 (0.6413~ 0.9152)
MOGS	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0303	2.3353 (1.0842~ 5.0299)
MON2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0205	0.5228 (0.3020~ 0.9049)
MPC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0015	0.3626 (0.1940~ 0.6776)
MPI	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0228	1.2714 (1.0340~ 1.5634)
MPV17L2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0050	0.5252 (0.3352~ 0.8230)
MPZL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	73	<0.001	0.8606 (0.7893~ 0.9382)
MPZL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0201	0.7153 (0.5393~ 0.9487)
MRI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0383	0.8686 (0.7602~ 0.9925)
MRPL18	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0445	1.1370 (1.0032~ 1.2888)
MRPL27	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	0.4776 (0.3139~ 0.7266)
MRPL41	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0140	2.2624 (1.1795~ 4.3397)
MRPL53	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	<0.001	0.7010 (0.6002~ 0.8187)
MRPL55	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0113	0.6096 (0.4157~ 0.8939)
MRPS10	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0375	1.7448 (1.0327~ 2.9480)
MRPS7	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0068	1.2051 (1.0527~ 1.3796)
MRV1I	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0466	0.8872 (0.7885~ 0.9982)
MS4A7	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	0.6249 (0.4975~ 0.7850)
MSH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0039	1.1956 (1.0590~ 1.3498)
MSH6	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0025	0.8161 (0.7153~ 0.9311)
MSRA	Chronic Lymphocytic Leukemia	Inverse variance weighted	103	0.0045	0.8687 (0.7883~ 0.9573)
MSRB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0356	1.1310 (1.0083~ 1.2685)
MSTO2P	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0496	0.7322 (0.5365~ 0.9994)
MTDH	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0042	2.4452 (1.3256~ 4.5104)
MTFP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0185	0.6930 (0.5108~ 0.9402)
MTMR9LP	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0056	1.3755 (1.0979~ 1.7231)
MTND3P9	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	1.3646 (1.1416~ 1.6310)
MTR	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0172	0.5337 (0.3184~ 0.8947)
MTUS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0148	0.8756 (0.7870~ 0.9743)
MUC20	Chronic Lymphocytic Leukemia	Inverse variance weighted	87	0.0115	1.0995 (1.0216~ 1.1834)
MUS81	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0486	0.7282 (0.5313~ 0.9980)
MXI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0177	0.7458 (0.5853~ 0.9503)
MYBPC3	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0387	0.8756 (0.7720~ 0.9931)
MYBPH	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0183	1.1942 (1.0304~ 1.3840)
MYC	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0268	2.2316 (1.0966~ 4.5415)
MYH7B	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0328	1.7077 (1.0447~ 2.7913)
MYO15A	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0288	0.4034 (0.1787~ 0.9105)
MYO1G	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0206	0.8710 (0.7748~ 0.9791)
MYO7B	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0061	0.6763 (0.5114~ 0.8943)
MYOF	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0393	0.8361 (0.7051~ 0.9913)
MYOM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	99	<0.001	0.8790 (0.8230~ 0.9389)
NAA60	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0209	1.2289 (1.0317~ 1.4638)
NACAD	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0133	0.7682 (0.6234~ 0.9466)
NAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	<0.001	1.4770 (1.2998~ 1.6785)
NAPRT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	71	0.0036	0.9200 (0.8699~ 0.9731)
NAT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0043	0.3465 (0.1673~ 0.7174)
NAV1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0094	0.7532 (0.6082~ 0.9327)
NBPF3	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001	1.3321 (1.1355~ 1.5628)
NBR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0473	1.7848 (1.0069~ 3.1638)
NBR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0215	1.3009 (1.0397~ 1.6279)
NCF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0026	1.3227 (1.1029~ 1.5862)
NDE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0320	0.7445 (0.5685~ 0.9749)
NDUFA10	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0462	1.1403 (1.0022~ 1.2974)
NDUFA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0239	1.2083 (1.0253~ 1.4239)
NDUFA7	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0406	1.2215 (1.0086~ 1.4793)
NDUFA8	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0138	0.6032 (0.4034~ 0.9021)
NEDD4	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	<0.001	1.3100 (1.1166~ 1.5369)
NEFH	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0392	0.7843 (0.6226~ 0.9881)
NEK11	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	0.6458 (0.5029~ 0.8292)
NEK6	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	<0.001	0.7773 (0.6785~ 0.8905)
NELFB	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0053	0.7658 (0.6348~ 0.9240)
NELL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0010	1.2700 (1.1013~ 1.4645)
NEURL1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0020	3.6028 (1.6003~ 8.1113)
NEURL4	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0203	0.4944 (0.2727~ 0.8962)
NFATC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0408	0.7718 (0.6021~ 0.9892)
NFE2L3	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0050	1.2452 (1.0683~ 1.4513)
NFKBIA	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0021	0.7716 (0.6540~ 0.9102)
NFKBIZ	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0340	0.7601 (0.5899~ 0.9795)
NFU1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0253	1.3802 (1.0406~ 1.8305)
NFXL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	97	0.0205	0.9339 (0.8815~ 0.9895)
NIP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0402	0.7520 (0.5728~ 0.9873)
NIPA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0272	1.2996 (1.0299~ 1.6398)
NIPAL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0013	0.6190 (0.4617~ 0.8300)
NIPSNAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	<0.001	1.3877 (1.1581~ 1.6629)
NKX3~1	Chronic Lymphocytic Leukemia	Inverse variance weighted	62	0.0011	1.1552 (1.0594~ 1.2596)
NLE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0485	1.2990 (1.0017~ 1.6845)
NLRC4	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0278	0.7178 (0.5342~ 0.9644)
NMD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0281	0.7692 (0.6086~ 0.9721)
NME1	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0045	1.1357 (1.0401~ 1.2400)
NME3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0265	0.6946 (0.5034~ 0.9585)
NMNAT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	<0.001	1.5279 (1.3089~ 1.7836)
NOL8	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0350	0.6953 (0.4960~ 0.9747)
NOM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0035	0.6989 (0.5493~ 0.8892)
NOSIP	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0251	1.5369 (1.0552~ 2.2384)
NPAS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0347	0.7193 (0.5297~ 0.9766)
NPAT	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0073	0.4737 (0.2743~ 0.8179)
NPDC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0136	1.1599 (1.0310~ 1.3049)
NQO2	Chronic Lymphocytic Leukemia	Inverse variance weighted	61	0.0086	0.9004 (0.8327~ 0.9737)
NRDE2	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0018	0.7613 (0.6412~ 0.9038)
NSMCE4A	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0104	0.5199 (0.3152~ 0.8576)
NSUN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	72	0.0304	0.9140 (0.8425~ 0.9915)
NSUN6	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0288	0.8039 (0.6610~ 0.9776)
NT5C	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0175	0.7727 (0.6247~ 0.9558)
NT5DC4	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0071	1.7894 (1.1717~ 2.7329)
NTSR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0174	0.8235 (0.7017~ 0.9665)
NUCB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0137	0.8594 (0.7618~ 0.9695)
NUDT5	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0417	1.1694 (1.0059~ 1.3596)
NUMB	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0282	1.3730 (1.0345~ 1.8223)
NUP160	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0271	2.0743 (1.0862~ 3.9610)
NUP205	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0251	0.5056 (0.2783~ 0.9183)
NUP214	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0465	0.6382 (0.4102~ 0.9931)
NUP85	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0392	0.8874 (0.7921~ 0.9941)
OAF	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.7794 (1.2990~ 2.4375)
OAS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	<0.001	1.3259 (1.2111~ 1.4516)
OAS3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	0.5382 (0.4069~ 0.7119)
OASL	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0054	1.2138 (1.0590~ 1.3911)
OCEL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0191	1.1828 (1.0278~ 1.3612)
OCM	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	0.7507 (0.6617~ 0.8517)
ODF3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0011	0.7750 (0.6652~ 0.9031)
OIP5	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0311	0.4291 (0.1988~ 0.9259)
OLIG1	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0098	1.1514 (1.0345~ 1.2814)
OLIG2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0363	1.6525 (1.0325~ 2.6447)
OPTN	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0014	0.7581 (0.6398~ 0.8983)
OR2W3	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.7295 (0.6325~ 0.8413)

OSBP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0101	0.5273 (0.3239~ 0.8585)
OSBPL11	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0167	1.6813 (1.0987~ 2.5728)
OSBPL5	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0132	1.1800 (1.0352~ 1.3450)
OSCAR	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0318	0.8994 (0.8164~ 0.9908)
OSGIN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0142	0.7648 (0.6173~ 0.9477)
OXA1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0173	0.6170 (0.4145~ 0.9184)
P2RX4	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0478	1.1127 (1.0011~ 1.2367)
PAFAH1B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0436	0.6435 (0.4193~ 0.9875)
PAFAH1B2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0041	1.2956 (1.0858~ 1.5459)
PAICS	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0205	0.4275 (0.2084~ 0.8771)
PAQR4	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0030	1.3388 (1.1041~ 1.6234)
PAQR8	Chronic Lymphocytic Leukemia	Inverse variance weighted	65	<0.001	0.8061 (0.7300~ 0.8902)
PARP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0357	0.7763 (0.6129~ 0.9832)
PARS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	0.5829 (0.4480~ 0.7582)
PARVB	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0493	1.2789 (1.0007~ 1.6344)
PARVG	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0399	0.8123 (0.6662~ 0.9904)
PAX8	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0050	0.8575 (0.7703~ 0.9547)
PAX8P1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0430	0.7592 (0.5814~ 0.9914)
PCBP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0339	0.8259 (0.6921~ 0.9856)
PCED1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0341	0.8611 (0.7499~ 0.9888)
PCGF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0030	1.5503 (1.1600~ 2.0718)
PCMTD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.3053 (1.1182~ 1.5237)
PCNXL4	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0195	0.7499 (0.5889~ 0.9548)
PCP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	0.7123 (0.6032~ 0.8411)
PCTP	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0345	1.3417 (1.0217~ 1.7620)
PDCD11G2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0224	0.7521 (0.5890~ 0.9604)
PDCD5	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0396	1.1633 (1.0072~ 1.3437)
PDCD6	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	1.4352 (1.1691~ 1.7619)
PDCL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0489	0.6434 (0.4149~ 0.9979)
PDE8B	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0023	1.5282 (1.1639~ 2.0067)
PDGFA	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0434	1.3230 (1.0084~ 1.7358)
PDGFD	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0408	1.3134 (1.0114~ 1.7055)
PDK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0155	0.7313 (0.5677~ 0.9422)
PDXDC2P	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	1.4013 (1.1628~ 1.6886)
PDZD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0234	1.4273 (1.0493~ 1.9415)
PDZK1IP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0404	1.0984 (1.0041~ 1.2015)
PEAR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0357	0.6090 (0.3833~ 0.9673)
PELI3	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0495	0.7737 (0.5990~ 0.9995)
PELO	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	<0.001	1.2201 (1.0864~ 1.3702)
PEMT	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0044	0.5155 (0.3268~ 0.8133)
PET112	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0167	1.2235 (1.0371~ 1.4434)
PF4V1	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	<0.001	1.1827 (1.0827~ 1.2921)
PFKL	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0437	0.7828 (0.6171~ 0.9931)
PFKM	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0351	0.7389 (0.5576~ 0.9792)
PGAP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0030	0.3584 (0.1821~ 0.7055)
PGBD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0133	2.0434 (1.1604~ 3.5982)
PGBD5	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0340	1.8282 (1.0466~ 3.1936)
PGF	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0318	1.5373 (1.0381~ 2.2765)
PGM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0440	0.8069 (0.6549~ 0.9942)
PGM5	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0187	1.0956 (1.0153~ 1.1822)
PHF20L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0452	0.6841 (0.4717~ 0.9919)
PHF23	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0033	0.5668 (0.3883~ 0.8274)
PHIP	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0022	0.6626 (0.5090~ 0.8624)
PHKG1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0248	0.8191 (0.6881~ 0.9750)
PHOSPHO2	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0011	0.8091 (0.7126~ 0.9185)
PHYH	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0300	0.8413 (0.7198~ 0.9834)
PIAS4	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.7778 (1.3255~ 2.3843)
PIGC	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0014	1.5447 (1.1831~ 2.0169)
PIGH	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0027	2.8723 (1.4403~ 5.7280)
PIGL	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0307	0.7137 (0.5256~ 0.9692)
PIGX	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0039	0.7112 (0.5642~ 0.8966)
PILRB	Chronic Lymphocytic Leukemia	Inverse variance weighted	64	0.0121	1.0984 (1.0207~ 1.1819)
PINK1~AS	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	1.3838 (1.1619~ 1.6481)
PINK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001	0.5041 (0.3772~ 0.6736)
PIP4K2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0367	2.2990 (1.0529~ 5.0199)
PISD	Chronic Lymphocytic Leukemia	Inverse variance weighted	91	0.0456	0.9245 (0.8559~ 0.9985)
PKIA	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	<0.001	0.8108 (0.7334~ 0.8964)
PKP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0077	0.5281 (0.3302~ 0.8445)
PKP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001	1.4789 (1.2317~ 1.7758)
PLBD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0361	0.7771 (0.6139~ 0.9838)
PLCB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0112	1.4146 (1.0819~ 1.8496)
PLCH2	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0024	0.8612 (0.7820~ 0.9485)
PLCL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0457	1.1244 (1.0023~ 1.2614)
PLCL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0099	0.7817 (0.6482~ 0.9426)
PLD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0012	1.3395 (1.1222~ 1.5988)
PLEKHA5	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0138	0.7826 (0.6440~ 0.9511)
PLEKHG3	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0288	0.7425 (0.5686~ 0.9696)
PLEKHM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0074	0.5980 (0.4105~ 0.8711)
PLOD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0049	0.8785 (0.8027~ 0.9614)
PLS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0472	3.8841 (1.0167~14.8387)
PLXDC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0061	0.7819 (0.6557~ 0.9323)
PM20D2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0276	0.4108 (0.1861~ 0.9065)
PMS2P3	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0090	0.8786 (0.7973~ 0.9682)
PMS2P4	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0298	0.8103 (0.6702~ 0.9796)
PMS2P5	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0333	0.7793 (0.6194~ 0.9804)
PNKP	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0140	0.8410 (0.7325~ 0.9656)
PNMAL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0023	1.2945 (1.0967~ 1.5279)
PNMAL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0014	1.3193 (1.1130~ 1.5638)
PNN	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0246	2.0898 (1.0990~ 3.9738)
PNPLA7	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	<0.001	1.1854 (1.0743~ 1.3079)
PNPO	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	1.5874 (1.2380~ 2.0355)
PODXL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.6175 (1.2444~ 2.1024)
POLN	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0190	0.4225 (0.2056~ 0.8681)
POLR2H	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0017	5.6679 (1.9170~16.7584)
POLR3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	0.6455 (0.5304~ 0.7856)
POM121C	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0068	0.8382 (0.7377~ 0.9525)
POMT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0336	0.7558 (0.5837~ 0.9785)
POMT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0435	0.7180 (0.5205~ 0.9904)
POPDC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0012	1.3664 (1.1316~ 1.6498)
PPA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	<0.001	0.7528 (0.6764~ 0.8379)
PPFIBP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0047	0.8839 (0.8115~ 0.9628)
PPHLN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0128	0.7644 (0.6187~ 0.9444)
PPOX	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0127	1.4715 (1.0858~ 1.9942)
PPP1R15A	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0490	0.7063 (0.4997~ 0.9985)
PPP1R26	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0123	3.5228 (1.3143~ 9.4423)
PPP2R2D	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0271	0.7169 (0.5338~ 0.9630)
PPP4C	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0284	0.6898 (0.4949~ 0.9614)
PPT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	72	0.0292	1.1190 (1.0114~ 1.2380)
PRAM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0045	0.6497 (0.4826~ 0.8746)
PRDM15	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0059	1.3940 (1.1003~ 1.7660)
PRDX2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	0.5685 (0.4152~ 0.7783)
PRICKLE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0206	1.3581 (1.0482~ 1.7596)
PRKAB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0063	0.8435 (0.7464~ 0.9531)
PRKCE	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0495	1.8102 (1.0013~ 3.2725)
PRKD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0144	0.8212 (0.7013~ 0.9616)
PRKD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0076	0.7946 (0.6711~ 0.9407)
PRKG2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0126	1.5744 (1.1024~ 2.2484)
PRMT7	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0177	1.3361 (1.0517~ 1.6976)
PRNP	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0069	0.6855 (0.5211~ 0.9017)
PROCR	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	0.4224 (0.2650~ 0.6734)
PROK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0112	0.8395 (0.7334~ 0.9610)
PROSER1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0015	2.1260 (1.3343~ 3.3874)
PRPF19	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0115	1.6830 (1.1241~ 2.5199)
PRPSAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0488	1.5761 (1.0024~ 2.4780)
PRR24	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0060	1.2146 (1.0574~ 1.3951)
PRRC2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0042	1.7032 (1.1829~ 2.4522)
PRRG4	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0243	0.7719 (0.6162~ 0.9670)
PRSS51	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0266	1.7942 (1.0701~ 3.0084)
PSMA4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0088	1.5317 (1.1135~ 2.1070)
PSMD13	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0169	1.2546 (1.0416~ 1.5112)
PSME1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0235	0.5225 (0.2980~ 0.9162)
PSME4	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0011	1.6686 (1.2265~ 2.2702)
PSTPIP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0028	1.2036 (1.0656~ 1.3594)
PTCD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0217	1.7812 (1.0881~ 2.9160)
PTGFR	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0265	1.4700 (1.0460~ 2.0659)
PTGFRN	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0076	1.6036 (1.1340~ 2.2678)
PTGR1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0481	0.7632 (0.5838~ 0.9977)
PTK7	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0254	0.5629 (0.3401~ 0.9316)
PTOV1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0281	0.6436 (0.4344~ 0.9538)
PTPRC	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0059	0.3927 (0.2018~ 0.7641)
PTPRO	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0118	2.1034 (1.1794~ 3.7512)
PTRF	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	3.3045 (1.6666~ 6.5522)
PTTG1IP	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0144	0.8671 (0.7735~ 0.9721)
PVALB	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0145	1.1768 (1.0328~ 1.3408)
PVR	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0371	0.5547 (0.3188~ 0.9654)
PVRL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0070	0.4276 (0.2307~ 0.7926)
PXK	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001	0.7259 (0.6103~ 0.8633)
PYHIN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0353	1.2367 (1.0148~ 1.5071)
QPCT	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0214	0.6603 (0.4636~ 0.9404)
RAB18	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0141	0.4583 (0.2457~ 0.8546)
RAB33B	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0060	0.7007 (0.5437~ 0.9030)

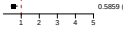
RAB3D	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0045	1.7011 (1.1788~ 2.4547)
RAB6A	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0225	0.7467 (0.5810~ 0.9597)
RABEP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	70	<0.001	1.1580 (1.0720~ 1.2510)
RABGAP1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001	1.8074 (1.3609~ 2.4003)
RABGEF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0105	0.5542 (0.3527~ 0.8708)
RAD23A	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0088	0.4354 (0.2338~ 0.8109)
RAD23B	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0315	0.6726 (0.4686~ 0.9655)
RAD50	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0031	1.5986 (1.1719~ 2.1806)
RAF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0445	1.5885 (1.0115~ 2.4946)
RALGPS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0259	0.8678 (0.7660~ 0.9831)
RAP1GAP	Chronic Lymphocytic Leukemia	Inverse variance weighted	80	0.0014	1.1398 (1.0520~ 1.2349)
RAP1GDS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0150	1.3239 (1.0559~ 1.6598)
RAPGEF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	0.0176	1.1456 (1.0240~ 1.2817)
RAPGEF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.7409 (0.6501~ 0.8444)
RASD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0060	0.5483 (0.3572~ 0.8417)
RASSF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0297	0.6115 (0.3925~ 0.9527)
RASSF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	1.7169 (1.2702~ 2.3207)
RASSF4	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0133	1.2336 (1.0447~ 1.4567)
RBBP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0323	1.2183 (1.0168~ 1.4597)
RBM23	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0125	1.2091 (1.0416~ 1.4034)
RBM25	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0228	1.7378 (1.0799~ 2.7965)
RBM6	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	0.0158	1.1051 (1.0189~ 1.1986)
RBMS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	60	<0.001	1.2005 (1.0915~ 1.3204)
RCBTB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	58	0.0145	1.1453 (1.0273~ 1.2769)
RCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0164	1.2777 (1.0460~ 1.5606)
RCL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0225	1.5830 (1.0668~ 2.3489)
RECQL5	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0382	1.5404 (1.0238~ 2.3176)
REEP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0395	1.2423 (1.0105~ 1.5273)
RETSAT	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0261	0.8951 (0.8118~ 0.9869)
RFTN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0391	0.5140 (0.2732~ 0.9672)
RFX7	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	0.6272 (0.4902~ 0.8026)
RGP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0176	1.3581 (1.0548~ 1.7486)
RGS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	0.4520 (0.2868~ 0.7122)
RHBDD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0389	1.1963 (1.0092~ 1.4182)
RHPN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0033	1.7708 (1.2092~ 2.5933)
RICB4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0473	1.3194 (1.0033~ 1.7351)
RINL	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0414	0.7410 (0.5556~ 0.9883)
RIT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0113	0.7415 (0.5882~ 0.9346)
RMI2	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0305	1.1233 (1.0110~ 1.2481)
RMND1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	1.4994 (1.1877~ 1.8928)
RNASE3	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0120	0.8648 (0.7772~ 0.9686)
RNASE6	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0076	1.1484 (1.0374~ 1.2712)
RNASEH2A	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	0.3301 (0.1999~ 0.5451)
RNF130	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0234	1.3698 (1.0436~ 1.7981)
RNF144A	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0247	0.6133 (0.4002~ 0.9397)
RNF144B	Chronic Lymphocytic Leukemia	Inverse variance weighted	53	0.0066	0.8262 (0.7198~ 0.9483)
RNF166	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0071	1.1700 (1.0436~ 1.3117)
RNF167	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0032	0.8126 (0.7078~ 0.9329)
RNF207	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0100	1.3556 (1.0755~ 1.7087)
RNFT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0012	0.5215 (0.3513~ 0.7740)
RNGTT	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0453	0.8250 (0.6834~ 0.9960)
RNH1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0418	1.2922 (1.0096~ 1.6539)
RNLS	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0141	0.6023 (0.4018~ 0.9030)
RNPS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0330	0.7127 (0.5221~ 0.9730)
ROGDI	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0094	1.1359 (1.0318~ 1.2504)
RP1~102H19.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0196	1.2059 (1.0304~ 1.4112)
RP1~140A9.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0022	1.1447 (1.0497~ 1.2483)
RP1~228P16.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0373	0.8809 (0.7818~ 0.9926)
RP1~283E3.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0194	0.8270 (0.7053~ 0.9697)
RP1~28O10.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0168	0.8440 (0.7344~ 0.9699)
RP1~34B20.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0155	1.8574 (1.1248~ 3.0671)
RP1~5O6.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0235	0.8006 (0.6605~ 0.9705)
RP1~68D18.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0125	1.2042 (1.0409~ 1.3933)
RP1~80N2.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	0.7693 (0.6620~ 0.8942)
RP1~90J20.11	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001	0.8948 (0.8377~ 0.9557)
RP1~90J20.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0028	0.8262 (0.7289~ 0.9365)
RP1~97J1.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0044	1.2046 (1.0599~ 1.3690)
RP11~108M9.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0270	1.1424 (1.0152~ 1.2856)
RP11~111A22.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0034	1.6404 (1.1773~ 2.2856)
RP11~118B22.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0303	0.8841 (0.7909~ 0.9883)
RP11~120K24.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0402	0.7874 (0.6266~ 0.9893)
RP11~121C2.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0345	0.9264 (0.8631~ 0.9945)
RP11~148O21.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0041	0.5115 (0.3237~ 0.8084)
RP11~148O21.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	<0.001	0.8276 (0.7628~ 0.8979)
RP11~156P1.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0022	0.7889 (0.6779~ 0.9181)
RP11~156P1.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0481	0.9272 (0.8602~ 0.9994)
RP11~159N11.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0018	1.1977 (1.0695~ 1.3414)
RP11~160H22.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0012	1.2666 (1.0979~ 1.4611)
RP11~165J3.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0057	0.9041 (0.8418~ 0.9711)
RP11~166B2.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0053	0.7508 (0.6139~ 0.9183)
RP11~16P6.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0196	0.7364 (0.5696~ 0.9522)
RP11~175P19.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0371	0.8989 (0.8132~ 0.9937)
RP11~176F3.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0113	0.7820 (0.6465~ 0.9458)
RP11~180A12.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0076	1.3257 (1.0776~ 1.6309)
RP11~186N15.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0266	1.2489 (1.0261~ 1.5201)
RP11~195F19.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0060	1.1364 (1.0373~ 1.2449)
RP11~218C14.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0358	1.4266 (1.0238~ 1.9878)
RP11~218M22.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0150	0.8979 (0.8233~ 0.9793)
RP11~219E7.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0112	1.0928 (1.0204~ 1.1704)
RP11~226L15.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0029	1.2741 (1.0866~ 1.4939)
RP11~228B15.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0182	0.8660 (0.7684~ 0.9759)
RP11~229P13.19	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0062	1.0891 (1.0245~ 1.1577)
RP11~229P13.20	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0324	0.5584 (0.3274~ 0.9522)
RP11~264M12.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0024	1.2001 (1.0665~ 1.3503)
RP11~266L9.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0339	0.6224 (0.4016~ 0.9647)
RP11~273G15.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0363	0.7102 (0.5155~ 0.9784)
RP11~27M15.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0215	1.3375 (1.0438~ 1.7140)
RP11~288H12.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0217	0.8571 (0.7514~ 0.9777)
RP11~290F5.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0386	0.8336 (0.7015~ 0.9905)
RP11~290F5.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0017	1.9389 (1.2810~ 2.9349)
RP11~291B21.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0118	1.2743 (1.0551~ 1.5390)
RP11~295G20.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0312	0.7149 (0.5268~ 0.9702)
RP11~295M18.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0145	0.8620 (0.7653~ 0.9710)
RP11~300J18.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0428	1.2843 (1.0081~ 1.6361)
RP11~304F15.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0195	0.8777 (0.7867~ 0.9792)
RP11~325F22.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	1.3036 (1.1681~ 1.4549)
RP11~325P15.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0282	0.9292 (0.8702~ 0.9922)
RP11~344B5.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0165	0.8290 (0.7112~ 0.9664)
RP11~345J4.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	1.3420 (1.1345~ 1.5874)
RP11~356N1.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0243	0.9030 (0.8262~ 0.9868)
RP11~357H14.19	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0137	2.2493 (1.1803~ 4.2866)
RP11~358M11.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0176	1.1469 (1.0241~ 1.2845)
RP11~360F5.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0094	0.8691 (0.7818~ 0.9662)
RP11~367J11.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0391	1.4299 (1.0180~ 2.0084)
RP11~383B4.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0035	1.1803 (1.0560~ 1.3193)
RP11~384K6.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	<0.001	0.8646 (0.8038~ 0.9301)
RP11~384K6.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.8415 (0.7753~ 0.9135)
RP11~395P17.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	1.5247 (1.2094~ 1.9222)
RP11~3K24.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0092	0.9017 (0.8342~ 0.9748)
RP11~426C22.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0371	1.2168 (1.0118~ 1.4634)
RP11~428G5.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0169	1.1352 (1.0230~ 1.2596)
RP11~443B7.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0165	0.8384 (0.7259~ 0.9684)
RP11~443P15.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0497	1.7351 (1.0008~ 3.0082)
RP11~445P17.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0111	0.9159 (0.8559~ 0.9801)
RP11~448G15.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0173	0.8854 (0.8009~ 0.9788)
RP11~44F14.11	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0228	1.2237 (1.0285~ 1.4560)
RP11~455F5.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0422	1.1844 (1.0060~ 1.3943)
RP11~460N20.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0126	0.9379 (0.8917~ 0.9864)
RP11~461A8.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0037	0.8434 (0.7517~ 0.9463)
RP11~46A10.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0029	1.2982 (1.0931~ 1.5419)
RP11~473M20.11	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0055	0.7951 (0.6763~ 0.9348)
RP11~473M20.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0289	1.1035 (1.0102~ 1.2054)
RP11~486O12.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0074	1.2060 (1.0516~ 1.3830)
RP11~488L18.10	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0114	0.7555 (0.6080~ 0.9387)
RP11~488L18.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0028	1.4187 (1.1280~ 1.7843)
RP11~488L18.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0054	0.7311 (0.5865~ 0.9115)
RP11~497H16.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0444	0.8524 (0.7295~ 0.9960)
RP11~499P20.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	<0.001	0.9104 (0.8618~ 0.9618)
RP11~529E10.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0188	1.1270 (1.0200~ 1.2452)
RP11~531H8.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0018	1.1344 (1.0480~ 1.2280)
RP11~545I5.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0191	1.2474 (1.0368~ 1.5007)
RP11~54C4.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0281	0.8950 (0.8107~ 0.9881)
RP11~55I4I8.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0088	1.2182 (1.0510~ 1.4120)
RP11~564C4.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	<0.001	1.1157 (1.0525~ 1.1827)
RP11~56F10.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0092	0.9027 (0.8358~ 0.9750)
RP11~572M11.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0053	0.7682 (0.6382~ 0.9248)
RP11~578O24.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0118	0.7761 (0.6372~ 0.9454)
RP11~589P10.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0024	1.2902 (1.0948~ 1.5204)
RP11~58E21.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0050	1.2392 (1.0669~ 1.4395)
RP11~58E21.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0088	1.4381 (1.0959~ 1.8873)
RP11~598F7.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0468	1.2120 (1.0027~ 1.4650)
RP11~599J14.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0393	1.1418 (1.0065~ 1.2953)

RP11−5K23.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0021		1.1255 (1.0437− 1.2137)
RP11−629O1.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001		1.5913 (1.2859− 1.9691)
RP11−62H7.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	120	<0.001		1.0781 (1.0365− 1.1215)
RP11−64K12.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0126		1.1838 (1.0368− 1.3518)
RP11−661A12.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0365		0.9142 (0.8405− 0.9944)
RP11−664D1.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0217		0.8721 (0.7759− 0.9802)
RP11−686D22.10	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0214		0.6952 (0.5100− 0.9475)
RP11−697E2.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0108		0.7966 (0.6689− 0.9489)
RP11−723O4.9	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0324		0.8990 (0.8154− 0.9911)
RP11−728F11.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0279		0.9020 (0.8227− 0.9889)
RP11−750H9.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0108		1.3685 (1.0750− 1.7421)
RP11−757G1.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0169		0.8972 (0.8207− 0.9807)
RP11−77C3.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0012		0.8564 (0.7799− 0.9404)
RP11−792D21.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	57	0.0388		1.0964 (1.0047− 1.1964)
RP11−797H7.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0451		1.0616 (1.0013− 1.1255)
RP11−7F17.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0442		0.7917 (0.6306− 0.9940)
RP11−817O13.8	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0225		0.6900 (0.5016− 0.9490)
RP11−826N14.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0202		1.2768 (1.0389− 1.5691)
RP11−830P9.7	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0326		1.2343 (1.0176− 1.4973)
RP11−832A4.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0433		1.1400 (1.0040− 1.2945)
RP11−84C10.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0425		0.9251 (0.8581− 0.9974)
RP11−856M7.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0476		1.2840 (1.0026− 1.6444)
RP11−875O11.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0163		1.3376 (1.0549− 1.6961)
RP11−875O11.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0252		0.9089 (0.8360− 0.9882)
RP11−89K11.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0309		1.2218 (1.0186− 1.4655)
RP11−958N24.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0257		1.1143 (1.0132− 1.2254)
RP11−96H19.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0359		1.0855 (1.0054− 1.1720)
RP11−973H7.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0183		0.9024 (0.8286− 0.9828)
RP11−973H7.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0051		0.8761 (0.7987− 0.9611)
RP11−981G7.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0091		1.2949 (1.0663− 1.5726)
RP13−467H17.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001		1.3338 (1.1680− 1.5231)
RP13−516M14.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0433		0.8378 (0.7057− 0.9947)
RP13−582O9.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0376		0.9295 (0.8676− 0.9958)
RP13−98N21.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0074		1.0916 (1.0238− 1.1638)
RP3−369A17.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001		0.7246 (0.6229− 0.8428)
RP3−393E18.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0386		1.2866 (1.0133− 1.6337)
RP3−412A9.11	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0028		0.7956 (0.6848− 0.9244)
RP3−414A15.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0015		0.8719 (0.8013− 0.9488)
RP3−460G2.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	<0.001		1.1389 (1.0644− 1.2187)
RP4−614O4.11	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0221		0.6875 (0.4988− 0.9477)
RP4−614O4.12	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0127		0.8515 (0.7503− 0.9662)
RP4−655C5.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0274		0.7704 (0.6110− 0.9714)
RP4−659J6.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0031		0.8019 (0.6929− 0.9280)
RP4−673D20.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0111		1.2651 (1.0551− 1.5170)
RP4−717I23.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0355		0.8021 (0.6531− 0.9851)
RP4−753D10.5	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001		1.2417 (1.0975− 1.4048)
RP4−761J14.10	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0224		1.1612 (1.0214− 1.3200)
RP5−1051J4.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0324		0.8573 (0.7444− 0.9872)
RP5−1112D6.4	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0359		1.1387 (1.0086− 1.2857)
RP5−1154L15.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0189		0.9220 (0.8615− 0.9867)
RP5−874C20.3	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0057		0.7529 (0.6156− 0.9209)
RP5−894A10.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0062		1.4970 (1.1217− 1.9978)
RP5−894A10.6	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0064		1.4717 (1.1145− 1.9435)
RP5−995J12.2	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0180		0.9220 (0.8621− 0.9862)
RPA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0199		1.2056 (1.0300− 1.4111)
RPAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0454		1.1772 (1.0033− 1.3811)
RPE	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0035		0.1876 (0.0609− 0.5775)
RPL10A	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0023		0.8744 (0.8021− 0.9532)
RPL12	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0206		1.0846 (1.0126− 1.1618)
RPL13A	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0383		1.1639 (1.0082− 1.3436)
RPL32P3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0105		2.0824 (1.1875− 3.6518)
RPL36AL	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0268		0.8702 (0.7694− 0.9841)
RPL3L	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0358		0.6007 (0.3733− 0.9667)
RPL7L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0384		1.2942 (1.0139− 1.6520)
RPL7P50	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001		0.6854 (0.5613− 0.8370)
RPL8	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0041		1.1374 (1.0417− 1.2419)
RPS12	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0169		1.5069 (1.0763− 2.1097)
RPS18	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0440		0.7209 (0.5243− 0.9912)
RPUSD4	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001		1.2787 (1.1085− 1.4749)
RRAS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0393		0.7385 (0.5536− 0.9853)
RRM2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0099		1.5869 (1.1175− 2.2536)
RRP1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0109		1.7702 (1.1404− 2.7479)
RRP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0025		1.4429 (1.1381− 1.8294)
RSPH10B	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0235		0.6757 (0.4813− 0.9486)
RSRC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0309		1.2271 (1.0189− 1.4777)
RTCA	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0011		0.5998 (0.4414− 0.8150)
RTFDC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0298		1.4658 (1.0381− 2.0695)
RTN4	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0135		1.2633 (1.0494− 1.5207)
RUNDC3A	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	<0.001		0.6542 (0.5411− 0.7910)
RWDD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0027		1.4676 (1.1422− 1.8858)
RWDD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0014		1.2705 (1.0965− 1.4720)
RXFP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0168		1.4522 (1.0697− 1.9715)
S100Z	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0084		0.6929 (0.5273− 0.9104)
SAE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	<0.001		2.3069 (1.6007− 3.3248)
SALL4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0011		1.9825 (1.3126− 2.9943)
SAMD12	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0457		0.8393 (0.7067− 0.9967)
SAPCD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0042		0.8908 (0.8230− 0.9641)
SAR1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0027		0.6385 (0.4762− 0.8561)
SARS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	61	0.0173		1.1076 (1.0182− 1.2050)
SART3	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0307		3.3665 (1.1197−10.1217)
SAT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0382		0.7946 (0.6393− 0.9876)
SBF2−AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0171		1.1775 (1.0295− 1.3468)
SBK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	<0.001		0.7388 (0.6231− 0.8761)
SCAMP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0234		1.2308 (1.0285− 1.4730)
SCAP	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0128		0.8288 (0.7148− 0.9609)
SCAPER	Chronic Lymphocytic Leukemia	Inverse variance weighted	61	0.0042		0.8727 (0.7950− 0.9580)
SCCPDH	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0015		0.7494 (0.6269− 0.8958)
SCIMP	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0071		1.3991 (1.0958− 1.7864)
SCLT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0378		1.2218 (1.0114− 1.4761)
SCYL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001		1.7759 (1.3315− 2.3687)
SDC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001		0.3414 (0.1952− 0.5972)
SDCBP2−AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0052		1.2416 (1.0669− 1.4449)
SDCCAG8	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0147		0.8502 (0.7462− 0.9686)
SDHAF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0011		1.7040 (1.2385− 2.3445)
SDK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0137		0.6575 (0.4711− 0.9176)
SDR39U1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0463		0.7801 (0.6110− 0.9959)
SEC31B	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0299		1.1405 (1.0129− 1.2843)
SEH1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0076		1.8120 (1.1715− 2.8027)
SELT	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001		0.6517 (0.5232− 0.8119)
SEMA5A	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0276		0.6765 (0.4778− 0.9578)
SENP7	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	<0.001		1.2596 (1.1444− 1.3863)
SEPT2	Chronic Lymphocytic Leukemia	Inverse variance weighted	68	<0.001		1.1784 (1.1000− 1.2623)
SEPT4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0027		1.9353 (1.2565− 2.9807)
SEPT9	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0032		0.5782 (0.4018− 0.8321)
SERHL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0043		0.7855 (0.6656− 0.9270)
SERINC5	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0449		0.7739 (0.6024− 0.9942)
SERP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0027		2.7048 (1.4106− 5.1865)
SERPINA1	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0416		1.1296 (1.0047− 1.2701)
SERPINB10	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0133		1.1614 (1.0317− 1.3076)
SERPINB6	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	0.0042		0.9009 (0.8387− 0.9676)
SERPINB8	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0038		0.7906 (0.6743− 0.9269)
SERPINC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0229		1.4396 (1.0518− 1.9704)
SERPINE2	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0300		0.8878 (0.7974− 0.9885)
SERPING1	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0450		1.2573 (1.0052− 1.5727)
SESN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001		1.3224 (1.1460− 1.5259)
SETD8	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0260		0.8945 (0.8109− 0.9868)
SF3A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0399		1.1673 (1.0071− 1.3529)
SF3B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0173		0.5241 (0.3078− 0.8922)
SFT2D1	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0123		1.2210 (1.0443− 1.4275)
SFXN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0189		1.6264 (1.0837− 2.4408)
SGCB	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0373		1.4323 (1.0214− 2.0085)
SGIP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0308		0.7397 (0.5627− 0.9724)
SGK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0211		1.2109 (1.0292− 1.4246)
SGK223	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0014		1.6555 (1.2139− 2.2577)
SGMS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0172		0.5436 (0.3291− 0.8978)
SH3GL1P3	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0230		0.8342 (0.7135− 0.9754)
SHB	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0440		2.5229 (1.0253− 6.2082)
SHKBP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	62	0.0015		1.1699 (1.0621− 1.2885)
SHPRH	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0205		1.7455 (1.0897− 2.7958)
SIDT1	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0171		1.2020 (1.0334− 1.3983)
SIGLEC11	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0171		1.1715 (1.0285− 1.3343)
SIGLEC5	Chronic Lymphocytic Leukemia	Inverse variance weighted	51	0.0091		0.8586 (0.7657− 0.9628)
SIK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0170		0.6699 (0.4821− 0.9308)
SIN3B	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0289		1.2475 (1.0231− 1.5212)
SIPA1L2	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0200		0.8430 (0.7300− 0.9735)
SLBP	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001		1.6478 (1.2566− 2.1607)
SLC11A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0444		0.5731 (0.3331− 0.9862)
SLC12A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0153		1.6781 (1.1043− 2.5502)
SLC16A5	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001		1.8190 (1.3368− 2.4751)
SLC16A6	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0078		1.3025 (1.0721− 1.5825)
SLC17A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001		0.6660 (0.5547− 0.7996)
SLC18B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0023		0.8658 (0.7890− 0.9500)

SLC19A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0312	0.7102 (0.5201~ 0.9696)
SLC20A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0174	1.1537 (1.0255~ 1.2980)
SLC22A20	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0106	1.5270 (1.1036~ 2.1128)
SLC22A4	Chronic Lymphocytic Leukemia	Inverse variance weighted	42	<0.001	1.2976 (1.1372~ 1.4806)
SLC22A5	Chronic Lymphocytic Leukemia	Inverse variance weighted	79	<0.001	1.1381 (1.0587~ 1.2235)
SLC25A13	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0266	0.8045 (0.6637~ 0.9751)
SLC25A23	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0075	0.6639 (0.4918~ 0.8963)
SLC25A28	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0106	0.4479 (0.2419~ 0.8292)
SLC25A29	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	<0.001	1.1873 (1.0976~ 1.2844)
SLC25A39	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	2.2941 (1.4163~ 3.7157)
SLC25A41	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0028	1.5598 (1.1654~ 2.0876)
SLC29A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0028	2.0258 (1.2746~ 3.2198)
SLC2A9	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0347	0.8310 (0.6998~ 0.9868)
SLC35A1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0098	1.5828 (1.1169~ 2.2430)
SLC35E1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0131	0.5848 (0.3829~ 0.8934)
SLC35E3	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0118	1.2730 (1.0549~ 1.5362)
SLC35F3	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0098	1.1820 (1.0411~ 1.3420)
SLC35G5	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0275	0.7092 (0.5225~ 0.9625)
SLC37A3	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0421	1.3092 (1.0096~ 1.6976)
SLC37A4	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	1.9640 (1.4388~ 2.6809)
SLC7A6	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	<0.001	0.7227 (0.6379~ 0.8187)
SLC7A6OS	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0317	0.5975 (0.3734~ 0.9558)
SLC9B2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0041	0.2752 (0.1139~ 0.6648)
SLFNL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0327	0.3601 (0.1410~ 0.9194)
SLK	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0461	1.3670 (1.0054~ 1.8587)
SMARCD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0326	0.4971 (0.2618~ 0.9437)
SMC1B	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0338	0.6324 (0.4142~ 0.9654)
SMIM14	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0498	1.3449 (1.0002~ 1.8084)
SMYD4	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0484	0.7479 (0.5604~ 0.9979)
SNAP47	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0040	0.6475 (0.4815~ 0.8707)
SNAPC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0103	2.1387 (1.1963~ 3.8235)
SNCA	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.5831 (0.4450~ 0.7639)
SND1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0082	0.6174 (0.4317~ 0.8830)
SNHG7	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0406	1.1195 (1.0048~ 1.2473)
SNHG8	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0244	0.8062 (0.6684~ 0.9726)
SNORA33	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0072	1.5234 (1.1205~ 2.0713)
SNORD100	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0030	1.7952 (1.2203~ 2.6410)
SNORD12B	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0300	1.1166 (1.0107~ 1.2336)
SNRNP35	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0142	0.4525 (0.2401~ 0.8530)
SNRPC	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0080	0.7407 (0.5933~ 0.9247)
SNRPD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0310	1.2959 (1.0239~ 1.6401)
SNX29	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0400	1.1195 (1.0052~ 1.2468)
SNX32	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0252	1.2825 (1.0315~ 1.5946)
SP140	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	<0.001	0.4800 (0.3920~ 0.5877)
SPATA2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0399	1.1740 (1.0074~ 1.3681)
SPATS2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	0.6314 (0.4954~ 0.8048)
SPCS3	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0293	0.6575 (0.4510~ 0.9587)
SPECC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0449	0.7496 (0.5656~ 0.9934)
SPG20	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0052	0.7461 (0.6076~ 0.9162)
SPI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0304	1.3478 (1.0287~ 1.7658)
SPIRE2	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0024	1.2344 (1.0777~ 1.4139)
SPNS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0063	1.1387 (1.0374~ 1.2498)
SPON1	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0017	0.7252 (0.5930~ 0.8868)
SPP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0112	1.1342 (1.0290~ 1.2502)
SPRYD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0414	0.6747 (0.4623~ 0.9848)
SPRYD4	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	<0.001	1.3151 (1.1726~ 1.4748)
SPTBN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.7573 (0.6439~ 0.8906)
SPTLC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0046	0.2482 (0.0947~ 0.6509)
SQSTM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	1.5366 (1.2141~ 1.9449)
SREK1IP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0342	0.5861 (0.3575~ 0.9609)
SRGAP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0263	1.4293 (1.0430~ 1.9587)
SRP9	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0427	0.6032 (0.3689~ 0.9835)
SRPK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0152	2.0857 (1.1524~ 3.7749)
SRXN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0484	1.0901 (1.0006~ 1.1876)
SSFA2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0128	2.5089 (1.2157~ 5.1780)
ST8SIA6~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0263	1.8598 (1.0758~ 3.2153)
STAB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0364	1.2988 (1.0166~ 1.6592)
STAG3	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0307	0.8667 (0.7612~ 0.9868)
STAG3L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0021	0.8533 (0.7713~ 0.9439)
STAM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	0.6477 (0.5190~ 0.8083)
STEAP4	Chronic Lymphocytic Leukemia	Inverse variance weighted	53	0.0105	1.1397 (1.0311~ 1.2597)
STK3	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0171	0.2555 (0.0832~ 0.7842)
STK36	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0105	0.4557 (0.2495~ 0.8321)
STK39	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0164	0.8414 (0.7306~ 0.9689)
STOM	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0300	1.3480 (1.0293~ 1.7653)
STOK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0021	0.8705 (0.7969~ 0.9509)
STRADA	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0310	1.7788 (1.0540~ 3.0020)
STX7	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0338	0.6375 (0.4206~ 0.9661)
STXBP2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	1.7325 (1.2624~ 2.3775)
SULT1A2	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0167	1.1323 (1.0228~ 1.2535)
SUSD3	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0125	0.8217 (0.7043~ 0.9586)
SWAP70	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0113	0.7765 (0.6383~ 0.9444)
SYCE1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.6354 (0.4997~ 0.8078)
SYCP2L	Chronic Lymphocytic Leukemia	Inverse variance weighted	38	0.0370	0.8706 (0.7643~ 0.9917)
SYMPK	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0449	1.3867 (1.0075~ 1.9085)
SYN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0022	1.5882 (1.1815~ 2.1347)
SYNE2	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0243	0.7124 (0.5303~ 0.9569)
SYNE3	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0044	2.4289 (1.3187~ 4.4739)
SZRD1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0273	2.0209 (1.0820~ 3.7748)
TACC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0012	1.3149 (1.1148~ 1.5510)
TAF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0013	1.5157 (1.1758~ 1.9539)
TAMM41	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0017	0.8829 (0.8168~ 0.9544)
TANK	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0222	1.2488 (1.0323~ 1.5106)
TAPBPL	Chronic Lymphocytic Leukemia	Inverse variance weighted	59	0.0310	1.0883 (1.0078~ 1.1753)
TAS2R14	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0487	0.8388 (0.7043~ 0.9990)
TBC1D14	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0011	1.3580 (1.1301~ 1.6318)
TBC1D2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0388	1.3387 (1.0151~ 1.7655)
TBC1D4	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	<0.001	0.7904 (0.6871~ 0.9092)
TBC1D5	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0355	0.4263 (0.1926~ 0.9440)
TBC1D8	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	1.4010 (1.1689~ 1.6793)
TBCD	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0102	1.1296 (1.0293~ 1.2397)
TBK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0020	1.4846 (1.1550~ 1.9084)
TBX19	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0041	0.6114 (0.4371~ 0.8554)
TCEB3	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0459	1.2335 (1.0038~ 1.5158)
TCF4	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0148	2.4350 (1.1903~ 4.9814)
TCIRG1	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0088	0.8439 (0.7432~ 0.9582)
TCN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.6292 (0.5160~ 0.7672)
TCTN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0089	1.3570 (1.0795~ 1.7059)
TDRD9	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0113	1.1454 (1.0312~ 1.2722)
TEFM	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0222	0.8577 (0.7520~ 0.9783)
TEK	Chronic Lymphocytic Leukemia	Inverse variance weighted	56	0.0056	0.8709 (0.7898~ 0.9603)
TERF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	0.4258 (0.2811~ 0.6450)
TES	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0024	0.8088 (0.7053~ 0.9274)
TESC	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0343	0.7915 (0.6375~ 0.9828)
TEX10	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0169	0.5587 (0.3465~ 0.9007)
TEX264	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0498	0.7022 (0.4932~ 0.9998)
TFEC	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0207	0.4876 (0.2653~ 0.8959)
TGFBI	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0039	0.8288 (0.7295~ 0.9415)
TGFBR2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.6372 (1.2514~ 2.1420)
TGM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0272	0.4919 (0.2621~ 0.9231)
THAP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	0.0164	1.7987 (1.1137~ 2.9049)
THAP9~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0448	1.1590 (1.0034~ 1.3386)
THBD	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	<0.001	1.3655 (1.1475~ 1.6249)
THEMIS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0115	1.2666 (1.0544~ 1.5215)
THG1L	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0026	0.8068 (0.7018~ 0.9276)
THOC5	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0318	0.7224 (0.5368~ 0.9721)
TIAM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0052	1.3248 (1.0876~ 1.6137)
TIGD2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0062	0.5891 (0.4032~ 0.8606)

TIMM13	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0293	0.7389 (0.5628~ 0.9701)
TLR10	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0041	0.4770 (0.2877~ 0.7907)
TLR3	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0400	0.6664 (0.4523~ 0.9817)
TLR6	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0227	0.5419 (0.3199~ 0.9178)
TM2D1	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0300	0.7764 (0.6177~ 0.9758)
TM9SF4	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0167	0.2942 (0.1080~ 0.8014)
TMCC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	0.2997 (0.1828~ 0.4914)
TMEM106A	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0174	1.6296 (1.0896~ 2.4370)
TMEM106C	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	<0.001	0.6950 (0.5880~ 0.8215)
TMEM109	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0022	1.4957 (1.1553~ 1.9364)
TMEM110	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0012	0.6454 (0.4955~ 0.8407)
TMEM127	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.6171 (0.4935~ 0.7718)
TMEM129	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0169	2.0799 (1.1407~ 3.7924)
TMEM131	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0284	2.7895 (1.1143~ 6.9831)
TMEM140	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0057	0.8350 (0.7347~ 0.9489)
TMEM171	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0283	1.1943 (1.0190~ 1.3997)
TMEM176B	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0460	0.9521 (0.9074~ 0.9991)
TMEM180	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0140	0.8243 (0.7066~ 0.9617)
TMEM184B	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0064	0.7873 (0.6631~ 0.9349)
TMEM200A	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0064	1.5136 (1.1236~ 2.0390)
TMEM205	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0075	1.4045 (1.0947~ 1.8020)
TMEM218	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0235	0.8164 (0.6849~ 0.9731)
TMEM39A	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0080	3.8133 (1.4190~10.2480)
TMEM39B	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	0.4900 (0.3260~ 0.7365)
TMEM5	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	2.0346 (1.3625~ 3.0381)
TMEM60	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0022	0.8236 (0.7274~ 0.9325)
TMEM80	Chronic Lymphocytic Leukemia	Inverse variance weighted	46	0.0217	1.0996 (1.0140~ 1.1925)
TMEM81	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	0.3173 (0.1775~ 0.5674)
TMEM99	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0110	0.8312 (0.7207~ 0.9586)
TMSB10	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0374	1.6505 (1.0295~ 2.6459)
TMX1	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0476	1.2527 (1.0024~ 1.5655)
TMX4	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001	1.2715 (1.1157~ 1.4491)
TNF	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0290	1.4562 (1.0392~ 2.0405)
TNFAIP8	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0126	0.6297 (0.4378~ 0.9056)
TNFAIP8L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0049	0.4489 (0.2568~ 0.7847)
TNFRSF10C	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0211	0.7307 (0.5596~ 0.9540)
TNFRSF11A	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0470	0.4248 (0.1825~ 0.9886)
TNFSF8	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0047	0.7388 (0.5989~ 0.9113)
TNIP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0231	0.5848 (0.3681~ 0.9290)
TNKS2	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	<0.001	1.4982 (1.2041~ 1.8642)
TNPO1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0442	2.0678 (1.0190~ 4.1962)
TNS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	19	0.0014	1.4292 (1.1476~ 1.7799)
TNXB	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	1.3123 (1.1288~ 1.5256)
TOM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	53	0.0031	0.8502 (0.7635~ 0.9468)
TOMM34	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0223	1.1190 (1.0161~ 1.2322)
TOMM70A	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	0.4444 (0.3098~ 0.6375)
TOP2B	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0156	2.1887 (1.1600~ 4.1298)
TOX	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0082	0.6205 (0.4356~ 0.8838)
TP53	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0015	0.2309 (0.0936~ 0.5697)
TP53TG1	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0016	1.4881 (1.1633~ 1.9036)
TPCN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	<0.001	0.7742 (0.7022~ 0.8536)
TPM2	Chronic Lymphocytic Leukemia	Inverse variance weighted	87	0.0113	1.0984 (1.0215~ 1.1812)
TPM3P6	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0028	0.8383 (0.7467~ 0.9411)
TPMT	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	<0.001	1.3400 (1.1516~ 1.5593)
TPSAB1	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	<0.001	0.7427 (0.6511~ 0.8471)
TRADD	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001	0.6646 (0.5364~ 0.8235)
TRAF1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0370	1.3355 (1.0176~ 1.7528)
TRAF3IP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0194	1.2254 (1.0334~ 1.4530)
TRAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0085	0.8560 (0.7625~ 0.9611)
TRAPPC11	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0131	0.4769 (0.2656~ 0.8562)
TRGV3	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0094	1.0826 (1.0196~ 1.1495)
TRGV4	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0236	1.0593 (1.0078~ 1.1136)
TRGV5	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	<0.001	1.1018 (1.0439~ 1.1629)
TRGV5P	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	<0.001	1.0993 (1.0438~ 1.1579)
TRIB2	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0464	0.8164 (0.6687~ 0.9967)
TRIM24	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0076	0.8386 (0.7370~ 0.9543)
TRIM26	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0176	0.6368 (0.4387~ 0.9245)
TRIM35	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0391	0.8254 (0.6879~ 0.9904)
TRIM37	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	0.0119	0.8789 (0.7948~ 0.9719)
TRIM41	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0303	2.0844 (1.0723~ 4.0520)
TRIM58	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	<0.001	0.7020 (0.5770~ 0.8540)
TRIM7	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	1.7694 (1.3525~ 2.3147)
TRIM73	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	0.7452 (0.6572~ 0.8451)
TRIP12	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0089	0.6877 (0.5194~ 0.9105)
TRPV4	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0408	0.6475 (0.4269~ 0.9820)
TSEN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0135	0.8268 (0.7110~ 0.9615)
TSNARE1	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0079	0.6699 (0.4985~ 0.9003)
TSPAN16	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0045	0.6315 (0.4598~ 0.8673)
TSPAN3	Chronic Lymphocytic Leukemia	Inverse variance weighted	50	0.0084	1.1543 (1.0374~ 1.2845)
TSPAN32	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	<0.001	0.6954 (0.5611~ 0.7654)
TSPAN33	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	<0.001	1.2988 (1.1176~ 1.5093)
TTC12	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	<0.001	1.1977 (1.0799~ 1.3283)
TTC17	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	1.8824 (1.3054~ 2.7144)
TTF2	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	<0.001	0.8310 (0.7445~ 0.9276)
TTYH3	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0331	1.6342 (1.0401~ 2.5674)
TUBA1A	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0066	2.1473 (1.2368~ 3.7281)
TUBA1C	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0187	1.2072 (1.0318~ 1.4123)
TUFM	Chronic Lymphocytic Leukemia	Inverse variance weighted	82	0.0111	1.0834 (1.0185~ 1.1524)
TVP23C	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0365	1.6829 (1.0331~ 2.7413)
TXK	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0034	0.7331 (0.5957~ 0.9021)
TXN	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0026	0.7295 (0.5940~ 0.8958)
TXN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0082	0.4320 (0.2318~ 0.8048)
TXNDC15	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0215	0.8136 (0.6825~ 0.9700)
TYMP	Chronic Lymphocytic Leukemia	Inverse variance weighted	55	<0.001	0.8554 (0.7849~ 0.9323)
U4	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	<0.001	1.6565 (1.2948~ 2.1193)
UAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0296	0.6570 (0.4500~ 0.9592)
UAP1L1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0090	0.8956 (0.8245~ 0.9729)
UBA6	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0183	0.6024 (0.3954~ 0.9179)
UBA7	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0018	1.1700 (1.0602~ 1.2911)
UBAC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0421	1.3054 (1.0096~ 1.6879)
UBAP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0100	1.8160 (1.1533~ 2.8596)
UBE2L3	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0223	0.8655 (0.7647~ 0.9797)
UBE2L6	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0046	2.2562 (1.2855~ 3.9601)
UBLCP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0141	1.5396 (1.0908~ 2.1730)
UBOX5	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0208	1.3852 (1.0507~ 1.8262)
UBR5	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	2.5287 (1.6317~ 3.9187)
UBMC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	<0.001	0.6728 (0.5496~ 0.8236)
ULK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0075	1.5399 (1.1220~ 2.1135)
ULK3	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0335	0.8731 (0.7703~ 0.9895)
UMPS	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0401	0.6780 (0.4678~ 0.9827)
UNC5B	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0253	0.7964 (0.6524~ 0.9722)
UNC93B1	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0200	2.5941 (1.1619~ 5.7920)
UNG	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	<0.001	0.7038 (0.6056~ 0.8178)
UPF3A	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0175	1.1692 (1.0277~ 1.3301)
UQCC	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	<0.001	0.7472 (0.6619~ 0.8436)
UQCR10	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0310	0.5447 (0.3136~ 0.9459)
UQCRH	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0201	1.4860 (1.0642~ 2.0750)
UROD	Chronic Lymphocytic Leukemia	Inverse variance weighted	44	0.0074	1.2040 (1.0509~ 1.3794)
USP3	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0013	1.2806 (1.1009~ 1.4896)
USP32P2	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0483	1.0676 (1.0005~ 1.1393)
USP53	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0051	1.1536 (1.0439~ 1.2748)
UST	Chronic Lymphocytic Leukemia	Inverse variance weighted	27	0.0032	0.7274 (0.5885~ 0.8991)
VAMP5	Chronic Lymphocytic Leukemia	Inverse variance weighted	37	0.0468	0.8690 (0.7567~ 0.9980)
VANGL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0187	0.6483 (0.4518~ 0.9305)
VAPA	Chronic Lymphocytic Leukemia	Inverse variance weighted	28	0.0137	1.2157 (1.0408~ 1.4200)
VASP	Chronic Lymphocytic Leukemia	Inverse variance weighted	54	0.0030	1.1988 (1.0633~ 1.3515)
VDR	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	0.6238 (0.4806~ 0.8095)
VIL1	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0284	0.7673 (0.6054~ 0.9724)
VKORC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0011	0.4055 (0.2358~ 0.6975)
VMAC	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0084	0.4873 (0.2856~ 0.8314)
VPREB3	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0325	0.6031 (0.3793~ 0.9587)
VPS11	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0459	1.2534 (1.0041~ 1.5647)
VPS26A	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	0.6057 (0.4583~ 0.8005)
VPS29	Chronic Lymphocytic Leukemia	Inverse variance weighted	26	0.0357	1.1958 (1.0120~ 1.4131)
VPS33B	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0026	1.2654 (1.0860~ 1.4746)
VRK1	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0189	1.4654 (1.0652~ 2.0159)
VSTM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0433	0.9314 (0.8693~ 0.9979)
VWA5A	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0024	0.7280 (0.5933~ 0.8932)
VWA7	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	1.6503 (1.3043~ 2.0882)
WAC~AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	24	0.0168	1.1069 (1.0185~ 1.2031)
WDFY1	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0150	1.3072 (1.0533~ 1.6223)
WDFY2	Chronic Lymphocytic Leukemia	Inverse variance weighted	31	0.0257	1.2007 (1.0225~ 1.4100)
WDR19	Chronic Lymphocytic Leukemia	Inverse variance weighted	36	0.0166	0.8318 (0.7153~ 0.9671)
WDR25	Chronic Lymphocytic Leukemia	Inverse variance weighted	48	0.0371	1.1140 (1.0065~ 1.2330)
WDR52	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0144	0.6657 (0.4805~ 0.9222)
WDR5B	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0017	0.7540 (0.6319~ 0.8996)
WDR67	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0103	1.5566 (1.1099~ 2.1829)
WDR83OS	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	<0.001	0.6800 (0.5482~ 0.8435)
WDR86	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	<0.001	1.2541 (1.1221~ 1.4017)
WIPI1	Chronic Lymphocytic Leukemia	Inverse variance weighted	41	0.0032	0.8578 (0.7745~ 0.9500)
WIPI2	Chronic Lymphocytic Leukemia	Inverse variance weighted	35	0.0020	0.8126 (0.7122~ 0.9272)

WNK2	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0076	0.5821 (0.3912~ 0.8661)
WNT5B	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0049	1.4875 (1.1281~ 1.9612)
WRB	Chronic Lymphocytic Leukemia	Inverse variance weighted	64	<0.001	0.8312 (0.7520~ 0.9187)
XKR6	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0186	0.6353 (0.4354~ 0.9268)
XPO7	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0029	2.0283 (1.2741~ 3.2290)
XRCC1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0494	1.3696 (1.0008~ 1.8743)
XRN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	3.1457 (1.8891~ 5.2381)
XRN2	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0055	0.8303 (0.7282~ 0.9467)
XXbac−B135H6.15	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0055	3.3965 (1.4332~ 8.0495)
Y_RNA	Chronic Lymphocytic Leukemia	Inverse variance weighted	49	0.0303	1.0901 (1.0083~ 1.1785)
YBEY	Chronic Lymphocytic Leukemia	Inverse variance weighted	47	0.0268	1.0720 (1.0080~ 1.1400)
YEATS4	Chronic Lymphocytic Leukemia	Inverse variance weighted	63	0.0036	1.1453 (1.0453~ 1.2548)
YIPF5	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	0.0430	1.1289 (1.0038~ 1.2697)
YPEL2	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	0.0205	0.6713 (0.4793~ 0.9403)
YPEL3	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0134	1.3544 (1.0651~ 1.7225)
YWHAH	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0435	0.8623 (0.7468~ 0.9957)
YY1AP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0041	0.5417 (0.3563~ 0.8235)
Z95152.1	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0078	0.7615 (0.6230~ 0.9309)
ZBED5	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0157	1.4340 (1.0704~ 1.9211)
ZBTB20	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	0.0229	1.9117 (1.0939~ 3.3409)
ZBTB22	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0432	1.6468 (1.0153~ 2.6711)
ZBTB32	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0069	0.5938 (0.4068~ 0.8666)
ZBTB38	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0048	0.6890 (0.5320~ 0.8924)
ZC3H12C	Chronic Lymphocytic Leukemia	Inverse variance weighted	34	0.0040	1.2192 (1.0653~ 1.3953)
ZC3H12D	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0471	1.5964 (1.0060~ 2.5335)
ZCCHC2	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0287	0.7593 (0.5933~ 0.9718)
ZCCHC6	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0149	0.5501 (0.3401~ 0.8899)
ZFAND3	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	<0.001	1.7059 (1.2546~ 2.3196)
ZFP1	Chronic Lymphocytic Leukemia	Inverse variance weighted	40	0.0052	0.8095 (0.6978~ 0.9390)
ZFP91	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0014	1.7556 (1.2420~ 2.4816)
ZFYVE19	Chronic Lymphocytic Leukemia	Inverse variance weighted	57	<0.001	1.2622 (1.1162~ 1.4271)
ZKSCAN1	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0089	1.5621 (1.1181~ 2.1824)
ZMAT3	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0142	0.8264 (0.7096~ 0.9624)
ZMIZ1	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0029	2.9258 (1.4433~ 5.9312)
ZMYM1	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0402	0.7913 (0.6327~ 0.9896)
ZMYND15	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0484	1.3049 (1.0019~ 1.6996)
ZNF107	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0112	0.6584 (0.4767~ 0.9093)
ZNF131	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0439	1.8842 (1.0176~ 3.4890)
ZNF138	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0232	0.8267 (0.7015~ 0.9743)
ZNF146	Chronic Lymphocytic Leukemia	Inverse variance weighted	3	<0.001	0.2070 (0.0927~ 0.4625)
ZNF175	Chronic Lymphocytic Leukemia	Inverse variance weighted	39	0.0226	0.8524 (0.7430~ 0.9779)
ZNF181	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	0.0375	1.2214 (1.0116~ 1.4746)
ZNF200	Chronic Lymphocytic Leukemia	Inverse variance weighted	23	0.0126	1.2983 (1.0576~ 1.5937)
ZNF205−AS1	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	<0.001	0.7216 (0.6028~ 0.8638)
ZNF239	Chronic Lymphocytic Leukemia	Inverse variance weighted	52	0.0092	0.8475 (0.7483~ 0.9599)
ZNF248	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	<0.001	1.6839 (1.2767~ 2.2211)
ZNF25	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0221	1.2998 (1.0383~ 1.6272)
ZNF268	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0482	0.6472 (0.4203~ 0.9965)
ZNF276	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0472	1.3091 (1.0033~ 1.7081)
ZNF281	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0085	0.7265 (0.5727~ 0.9216)
ZNF282	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0211	0.7805 (0.6322~ 0.9635)
ZNF302	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0406	1.2407 (1.0092~ 1.5252)
ZNF329	Chronic Lymphocytic Leukemia	Inverse variance weighted	21	<0.001	0.6799 (0.5662~ 0.8165)
ZNF331	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0238	0.7652 (0.6068~ 0.9650)
ZNF333	Chronic Lymphocytic Leukemia	Inverse variance weighted	45	<0.001	1.1974 (1.0841~ 1.3226)
ZNF354A	Chronic Lymphocytic Leukemia	Inverse variance weighted	33	0.0158	0.8271 (0.7090~ 0.9649)
ZNF362	Chronic Lymphocytic Leukemia	Inverse variance weighted	25	0.0146	1.2612 (1.0469~ 1.5194)
ZNF418	Chronic Lymphocytic Leukemia	Inverse variance weighted	22	0.0180	0.7558 (0.5994~ 0.9531)
ZNF420	Chronic Lymphocytic Leukemia	Inverse variance weighted	12	0.0208	1.4956 (1.0632~ 2.1038)
ZNF480	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0011	1.4078 (1.1471~ 1.7279)
ZNF485	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0314	0.6065 (0.3846~ 0.9563)
ZNF496	Chronic Lymphocytic Leukemia	Inverse variance weighted	14	<0.001	1.7772 (1.3586~ 2.3247)
ZNF503	Chronic Lymphocytic Leukemia	Inverse variance weighted	43	0.0158	0.8162 (0.6922~ 0.9625)
ZNF514	Chronic Lymphocytic Leukemia	Inverse variance weighted	29	0.0335	0.8990 (0.8149~ 0.9917)
ZNF528	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0012	0.4892 (0.3171~ 0.7547)
ZNF529	Chronic Lymphocytic Leukemia	Inverse variance weighted	18	0.0435	1.3003 (1.0077~ 1.6778)
ZNF566	Chronic Lymphocytic Leukemia	Inverse variance weighted	7	<0.001	0.4163 (0.2631~ 0.6587)
ZNF585A	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0062	0.4037 (0.2107~ 0.7734)
ZNF600	Chronic Lymphocytic Leukemia	Inverse variance weighted	32	0.0244	1.1056 (1.0130~ 1.2066)
ZNF607	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0405	1.7461 (1.0245~ 2.9760)
ZNF623	Chronic Lymphocytic Leukemia	Inverse variance weighted	15	0.0298	1.3661 (1.0309~ 1.8103)
ZNF641	Chronic Lymphocytic Leukemia	Inverse variance weighted	82	0.0114	0.9126 (0.8502~ 0.9796)
ZNF665	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	0.0381	1.3709 (1.0175~ 1.8471)
ZNF669	Chronic Lymphocytic Leukemia	Inverse variance weighted	20	0.0125	1.3510 (1.0670~ 1.7106)
ZNF671	Chronic Lymphocytic Leukemia	Inverse variance weighted	17	0.0247	0.7622 (0.6014~ 0.9660)
ZNF707	Chronic Lymphocytic Leukemia	Inverse variance weighted	9	0.0069	1.4465 (1.1065~ 1.8909)
ZNF713	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	<0.001	0.6457 (0.5043~ 0.8268)
ZNF77	Chronic Lymphocytic Leukemia	Inverse variance weighted	6	<0.001	0.5456 (0.3807~ 0.7819)
ZNF780A	Chronic Lymphocytic Leukemia	Inverse variance weighted	8	0.0077	0.6361 (0.4560~ 0.8873)
ZNF786	Chronic Lymphocytic Leukemia	Inverse variance weighted	16	0.0493	0.8444 (0.7134~ 0.9995)
ZNF813	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0115	1.6008 (1.1115~ 2.3055)
ZNF814	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	<0.001	0.5327 (0.3761~ 0.7544)
ZNF823	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	0.0065	1.4380 (1.1070~ 1.8681)
ZNF836	Chronic Lymphocytic Leukemia	Inverse variance weighted	5	0.0298	1.4985 (1.0405~ 2.1581)
ZNF85	Chronic Lymphocytic Leukemia	Inverse variance weighted	30	0.0478	0.8507 (0.7249~ 0.9985)
ZNFX1	Chronic Lymphocytic Leukemia	Inverse variance weighted	10	0.0038	1.8447 (1.2192~ 2.7911)
ZSCAN12	Chronic Lymphocytic Leukemia	Inverse variance weighted	4	0.0031	0.3631 (0.1857~ 0.7099)
ZSCAN21	Chronic Lymphocytic Leukemia	Inverse variance weighted	13	0.0354	1.3767 (1.0222~ 1.8542)
ZSWIM7	Chronic Lymphocytic Leukemia	Inverse variance weighted	67	0.0285	1.0641 (1.0065~ 1.1249)
ZXDC	Chronic Lymphocytic Leukemia	Inverse variance weighted	11	<0.001	0.5859 (0.4351~ 0.7890)



Exposure	Outcome	method	nsnp	pval	OR(95%CI)
AAGAB	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0289	0.7537 (0.5848~ 0.9713)
ABAT	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0157	1.6164 (1.0947~ 2.3867)
ABCA7	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0036	0.5230 (0.3381~ 0.8090)
ABCC5	Chronic Myeloid Leukemia	Inverse variance weighted	74	0.0137	1.2993 (1.0552~ 1.5999)
ABHD15	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0382	1.4991 (1.0222~ 2.1983)
ABHD4	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0170	0.2661 (0.0897~ 0.7896)
ABO	Chronic Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.7125 (0.5850~ 0.8677)
ABP1	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0039	0.6918 (0.5387~ 0.8883)
ABRACL	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0012	1.4721 (1.1642~ 1.8613)
ABTB1	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0157	0.6755 (0.4914~ 0.9286)
AC002456.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0237	1.7696 (1.0792~ 2.9018)
AC004152.6	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0256	1.8947 (1.0811~ 3.3203)
AC004791.2	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0489	0.8170 (0.6681~ 0.9990)
AC007228.11	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0044	1.5977 (1.1574~ 2.2056)
AC008268.2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0012	1.5741 (1.1969~ 2.0702)
AC009404.2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0277	0.3427 (0.1320~ 0.8892)
AC009495.2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0161	1.4657 (1.0737~ 2.0010)
AC010642.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0417	0.5280 (0.2856~ 0.9763)
AC017099.3	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0046	0.6741 (0.5132~ 0.8855)
AC017116.8	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0288	2.2370 (1.0867~ 4.6049)
AC024704.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0192	1.8290 (1.1036~ 3.0312)
AC027319.1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0429	2.1495 (1.0246~ 4.5091)
AC034220.3	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0263	1.3224 (1.0335~ 1.6919)
AC069213.1	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.1915 (0.0782~ 0.4693)
AC069513.3	Chronic Myeloid Leukemia	Inverse variance weighted	99	<0.001	0.6886 (0.5928~ 0.8000)
AC073346.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0413	1.9678 (1.0269~ 3.7708)
AC079776.7	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0080	0.3413 (0.1542~ 0.7552)
AC091729.9	Chronic Myeloid Leukemia	Inverse variance weighted	34	<0.001	1.2636 (1.1007~ 1.4506)
AC092620.3	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0241	2.4194 (1.1225~ 5.2146)
AC093063.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	0.3046 (0.1682~ 0.5518)
AC093495.4	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0027	1.5834 (1.1729~ 2.1376)
AC103965.1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0227	1.3212 (1.0398~ 1.6787)
AC125238.4	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	0.6306 (0.4833~ 0.8228)
AC131097.3	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.6725 (0.5636~ 0.8025)
AC131971.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0436	1.5984 (1.0135~ 2.5207)
AC144831.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0323	1.7056 (1.0461~ 2.7807)
AC159540.1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0090	0.8145 (0.6982~ 0.9502)
ACAP1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0426	1.3088 (1.0090~ 1.6978)
ACAT1	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.5356 (0.3840~ 0.7469)
ACBD6	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0249	2.8404 (1.1407~ 7.0729)
ACER1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0467	0.1052 (0.0114~ 0.9675)
ACOT4	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0093	0.7320 (0.5787~ 0.9260)
ACP2	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0043	1.4537 (1.1244~ 1.8796)
ACSF2	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	3.7189 (1.7799~ 7.7702)
ACSL5	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0051	0.6701 (0.5062~ 0.8870)
ACSM1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0486	0.4484 (0.2021~ 0.9951)
ACVR2A	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0195	0.4342 (0.2156~ 0.8746)
ACVR2B	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0212	0.6000 (0.3885~ 0.9265)
ADAM10	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0049	2.2511 (1.2799~ 3.9595)
ADAM15	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0053	0.6845 (0.5244~ 0.8934)
ADAM1B	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0436	0.5245 (0.2803~ 0.9816)
ADAM8	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0097	0.2873 (0.1117~ 0.7391)
ADAMTS5	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0486	3.9870 (1.0084~ 15.7640)
ADAP1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0037	1.9057 (1.2333~ 2.9447)
ADAT1	Chronic Myeloid Leukemia	Inverse variance weighted	49	0.0257	0.7439 (0.5736~ 0.9648)
ADCK1	Chronic Myeloid Leukemia	Inverse variance weighted	54	<0.001	0.6406 (0.5177~ 0.7926)
ADD1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0267	3.3868 (1.1513~ 9.9627)
ADM	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0361	1.5649 (1.0295~ 2.3788)
ADRB1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0066	0.3929 (0.2003~ 0.7707)
ADSL	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0476	0.4241 (0.1815~ 0.9911)
ADSS	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0155	0.7170 (0.5477~ 0.9388)
AEN	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0103	1.8119 (1.1507~ 2.8533)
AF146191.4	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0140	1.8172 (1.1284~ 2.9263)
AFAP1	Chronic Myeloid Leukemia	Inverse variance weighted	74	0.0063	1.2365 (1.0619~ 1.4401)
AFAP1L2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0276	3.0190 (1.1298~ 8.0677)
AGA	Chronic Myeloid Leukemia	Inverse variance weighted	74	0.0124	1.2873 (1.0561~ 1.5690)
AGAP1	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0084	1.9304 (1.1833~ 3.1494)
AGAP3	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0445	1.6329 (1.0122~ 2.6341)
AKAP11	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0239	2.7054 (1.1408~ 6.4155)
AKIRIN2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0177	0.2411 (0.0744~ 0.7809)
AKR1B1	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0071	0.5544 (0.3609~ 0.8517)
AL031663.2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0387	0.4203 (0.1848~ 0.9559)
AL133458.1	Chronic Myeloid Leukemia	Inverse variance weighted	50	0.0239	1.1991 (1.0243~ 1.4037)
AL512428.1	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0240	1.3619 (1.0415~ 1.7809)
AL591845.1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0442	1.3417 (1.0077~ 1.7864)
ALDH16A1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0352	1.4132 (1.0243~ 1.9497)
ALDH5A1	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0380	1.5771 (1.0255~ 2.4254)
ALDH8A1	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0186	1.6784 (1.0903~ 2.5838)
ALG12	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0220	0.2799 (0.0942~ 0.8320)
ALG11L10P	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0127	0.6582 (0.4736~ 0.9147)
ALMS1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0193	0.6035 (0.3954~ 0.9214)
ALOX5	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.3440 (0.2066~ 0.5730)
ALPK2	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0050	2.0717 (1.2461~ 3.4443)
ALS2	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0372	1.2747 (1.0144~ 1.6016)
AMDHD2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0293	2.3657 (1.0904~ 5.1324)
AMICA1	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0021	0.5438 (0.3692~ 0.8011)
AMPD3	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0116	0.3940 (0.1911~ 0.8123)
ANG	Chronic Myeloid Leukemia	Inverse variance weighted	50	0.0248	0.7335 (0.5595~ 0.9615)
ANGEL1	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0176	0.6432 (0.4469~ 0.9258)
ANGPT1	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0088	0.6337 (0.4504~ 0.8917)
ANKRD20A11P	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0387	1.4871 (1.0208~ 2.1663)
ANKRD24	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0195	0.5057 (0.2854~ 0.8960)
ANKRD28	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0040	1.8277 (1.2118~ 2.7566)
ANKRD34B	Chronic Myeloid Leukemia	Inverse variance weighted	71	0.0176	1.3196 (1.0495~ 1.6593)
ANKRD36	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0175	2.0324 (1.1324~ 3.6478)
ANKRD36B	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0110	0.7358 (0.5809~ 0.9320)
ANKRD6	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0441	0.3096 (0.0989~ 0.9695)
ANO2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0125	12.2314 (1.7139~ 87.2914)
ANO7L1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0292	1.6138 (1.0496~ 2.4814)
ANTXR2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0051	2.1668 (1.2605~ 3.7248)
ANXA1	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0017	1.9153 (1.2772~ 2.8721)
ANXA2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0029	0.3864 (0.2068~ 0.7219)
ANXA2R	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0078	2.2900 (1.2435~ 4.2172)
AP000346.2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0027	0.6637 (0.5076~ 0.8677)
AP000355.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0130	0.5355 (0.3271~ 0.8768)
AP001372.2	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0073	1.6407 (1.1429~ 2.3553)
AP001610.5	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0413	0.7144 (0.5172~ 0.9869)
AP001816.1	Chronic Myeloid Leukemia	Inverse variance weighted	70	<0.001	1.3749 (1.1592~ 1.6308)
AP006621.1	Chronic Myeloid Leukemia	Inverse variance weighted	55	0.0465	0.8627 (0.7460~ 0.9977)
AP006621.5	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0378	0.8288 (0.6942~ 0.9894)

AP006621.6	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0383	0.8129 (0.6683~ 0.9889)
AP1G2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0233	2.5789 (1.1372~ 5.8485)
AP1M1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0245	1.6432 (1.0658~ 2.5335)
AP1M2	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0159	1.7250 (1.1075~ 2.6866)
AP3S2	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0354	1.2742 (1.0167~ 1.5969)
AP4E1	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	1.8221 (1.3008~ 2.5523)
APAF1	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0013	0.3743 (0.2060~ 0.6800)
APOBEC3C	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0017	0.4943 (0.3182~ 0.7677)
APPL2	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0321	1.4771 (1.0339~ 2.1103)
ARCN1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0435	0.3913 (0.1574~ 0.9732)
ARFGAP2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0242	0.1876 (0.0437~ 0.8041)
ARFGEF2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0074	0.2688 (0.1028~ 0.7034)
ARHGAP12	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0044	0.5286 (0.3407~ 0.8201)
ARHGAP22	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0124	0.6402 (0.4513~ 0.9081)
ARHGAP33	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0018	0.6125 (0.4504~ 0.8330)
ARHGEF11	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	0.2633 (0.1312~ 0.5282)
ARHGEF7	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0041	1.5825 (1.1571~ 2.1642)
ARIH2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0245	3.3810 (1.1693~ 9.7757)
ARL14EP	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0021	2.2425 (1.3388~ 3.7559)
ARL16	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0161	0.7808 (0.6383~ 0.9551)
ARL2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0292	3.0588 (1.1198~ 8.3554)
ARL6IP1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0164	2.3288 (1.1676~ 4.6447)
ARL8B	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0354	0.4323 (0.1979~ 0.9444)
ARNT	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0311	0.3564 (0.1395~ 0.9106)
ARRB1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0450	0.5623 (0.3202~ 0.9873)
ARSB	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0440	0.7351 (0.5449~ 0.9918)
ARSG	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0313	0.4533 (0.2207~ 0.9313)
ASAH1	Chronic Myeloid Leukemia	Inverse variance weighted	59	0.0014	1.5581 (1.1860~ 2.0471)
ASAP1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0028	0.5196 (0.3385~ 0.7977)
ASB7	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0058	0.0166 (0.0009~ 0.3045)
ASCC1	Chronic Myeloid Leukemia	Inverse variance weighted	32	<0.001	1.9403 (1.3328~ 2.8247)
ASCL2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0264	0.6311 (0.4203~ 0.9474)
ASF1A	Chronic Myeloid Leukemia	Inverse variance weighted	30	<0.001	0.4231 (0.2888~ 0.6198)
ASGR1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0061	3.5918 (1.4408~ 8.9541)
ATAD5	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0030	16.7293 (2.6080~107.3106)
ATF1	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0014	0.4331 (0.2594~ 0.7231)
ATG10	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0473	1.4263 (1.0042~ 2.0258)
ATG7	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0037	2.2518 (1.3013~ 3.8965)
ATL1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0137	0.0978 (0.0154~ 0.6205)
ATP10D	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0055	3.0162 (1.3830~ 6.5779)
ATP5D	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0257	2.0146 (1.0886~ 3.7284)
ATP5L	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0090	8.1488 (1.6900~ 39.2926)
ATP5O	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0115	3.9797 (1.3626~ 11.6232)
ATP5S	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0011	0.3228 (0.1637~ 0.6364)
ATP6V0A1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0314	0.0720 (0.0066~ 0.7905)
ATP6V0E2-AS1	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	6.1986 (2.2748~ 16.8911)
ATP8A1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0388	2.6118 (1.0506~ 6.4930)
ATP8B2	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0018	4.3385 (1.7230~ 10.9242)
ATP9A	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0083	1.3568 (1.0816~ 1.7020)
ATXN3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0043	3.3712 (1.4632~ 7.7675)
AXL	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0461	0.3026 (0.0935~ 0.9795)
AZI2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0454	0.4236 (0.1826~ 0.9825)
B3GALT2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0394	12.3210 (1.1290~134.4605)
B3GAT1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0011	2.5291 (1.4471~ 4.4203)
B4GALNT4	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0377	2.4079 (1.0511~ 5.5159)
B4GALT1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0444	1.8297 (1.0153~ 3.2972)
BACE2	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0274	2.2369 (1.0937~ 4.5749)
BAG3	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0466	2.3850 (1.0131~ 5.6151)
BANP	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	20.5729 (4.9861~ 84.8842)
BARD1	Chronic Myeloid Leukemia	Inverse variance weighted	54	0.0475	0.7730 (0.5993~ 0.9971)
BBX	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0362	0.4261 (0.1918~ 0.9465)
BCAS3	Chronic Myeloid Leukemia	Inverse variance weighted	3	<0.001	19.4277 (3.4265~110.1506)
BCAT2	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	0.3353 (0.1803~ 0.6236)
BCL7C	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0411	8.6069 (1.0907~ 67.9220)
BCO2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0473	3.6976 (1.0159~ 13.4575)
BIN2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0418	1.7181 (1.0202~ 2.8933)
BLMH	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0314	0.6173 (0.3978~ 0.9579)
BLVRA	Chronic Myeloid Leukemia	Inverse variance weighted	58	0.0085	0.6898 (0.5233~ 0.9094)
BMS1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0285	6.5202 (1.2177~ 34.9129)
BNIPL	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0019	0.5064 (0.3297~ 0.7779)
BOD1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0167	0.0884 (0.0121~ 0.6450)
BORA	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0046	0.4125 (0.2235~ 0.7613)
BRD2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0092	3.7166 (1.3836~ 9.9834)
BTBD9	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0048	28.1748 (2.7693~286.6455)
BTG2	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	2.1049 (1.3757~ 3.2206)
BTRC	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0021	8.4055 (2.1665~ 32.6115)
C10orf128	Chronic Myeloid Leukemia	Inverse variance weighted	54	0.0010	0.6500 (0.5029~ 0.8402)
C10orf25	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0116	11.7384 (1.7326~ 79.5270)
C10orf76	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0247	0.4204 (0.1974~ 0.8953)
C11orf58	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0178	0.3350 (0.1355~ 0.8278)
C11orf73	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0239	0.3630 (0.1507~ 0.8744)
C12orf73	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0019	0.2113 (0.0793~ 0.5628)
C14orf142	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0085	3.7855 (1.4039~ 10.2069)
C14orf182	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0039	0.2265 (0.0827~ 0.6203)
C15orf38	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0100	1.2757 (1.0600~ 1.5353)
C15orf40	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0181	0.4410 (0.2237~ 0.8693)
C17orf99	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0039	0.2574 (0.1024~ 0.6467)
C19orf35	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0059	0.6408 (0.4667~ 0.8797)
C19orf44	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0346	0.5016 (0.2645~ 0.9512)
C19orf52	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0154	7.2410 (1.4586~ 35.9465)
C19orf60	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0167	0.7084 (0.5341~ 0.9394)
C1orf109	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0259	2.0429 (1.0898~ 3.8293)
C1orf123	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0318	0.1928 (0.0429~ 0.8666)
C1orf134	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0177	0.7041 (0.5268~ 0.9410)
C1orf194	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0051	0.1822 (0.0554~ 0.5998)
C1orf198	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0028	0.3396 (0.1672~ 0.6896)
C1QA	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0027	0.4058 (0.2248~ 0.7322)
C1QB	Chronic Myeloid Leukemia	Inverse variance weighted	40	<0.001	0.5174 (0.3741~ 0.7157)
C1QC	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0021	0.2311 (0.0908~ 0.5880)
C20orf111	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0407	0.7067 (0.5068~ 0.9854)
C20orf196	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0109	1.8088 (1.1461~ 2.8547)
C22orf28	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0387	3.4933 (1.0670~ 11.4374)
C22orf34	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.4419 (0.2990~ 0.6531)
C22orf39	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0333	0.1002 (0.0121~ 0.8337)
C22orf43	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0060	0.6284 (0.4512~ 0.8752)
C2orf42	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0292	0.5922 (0.3698~ 0.9483)
C3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0107	11.1869 (1.7508~ 71.4782)
C3AR1	Chronic Myeloid Leukemia	Inverse variance weighted	49	0.0032	1.3286 (1.1000~ 1.6047)
C4orf33	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0051	1.7203 (1.1763~ 2.5157)
C5orf22	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0243	0.4691 (0.2428~ 0.9064)
C5orf4	Chronic Myeloid Leukemia	Inverse variance weighted	50	<0.001	1.8829 (1.3937~ 2.5440)
C6orf106	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0490	1.5275 (1.0018~ 2.3289)
C7orf13	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0313	0.6653 (0.4591~ 0.9642)
C7orf29	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0392	0.6669 (0.4538~ 0.9802)
C7orf34	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0035	0.6817 (0.5273~ 0.8814)
C7orf41	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0389	0.2508 (0.0675~ 0.9317)
C8orf152	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0441	0.4695 (0.2249~ 0.9804)
C8orf66	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0033	0.3171 (0.1475~ 0.6817)
C8orf89	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0297	0.7552 (0.5863~ 0.9727)
CAB39	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0058	3.8539 (1.4772~ 10.0544)
CACNA1I	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0104	5.8394 (1.5133~ 22.5334)
CAD	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0168	6.4154 (1.3978~ 29.4452)
CADM1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0148	2.9478 (1.2356~ 7.0323)
CADM4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0087	10.3913 (1.8060~ 59.7881)
CALML4	Chronic Myeloid Leukemia	Inverse variance weighted	32	<0.001	2.7877 (1.8351~ 4.2349)
CAMK2N1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0226	0.3022 (0.1080~ 0.8455)
CAMKK2	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0112	0.7324 (0.5757~ 0.9318)
CAMKMT	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.7459 (1.5376~ 4.9037)
CAMSAP1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0115	4.3412 (1.3906~ 13.5519)
CAPG	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	0.6844 (0.5520~ 0.8486)
CAPN3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0407	0.4905 (0.2479~ 0.9702)
CARD9	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0199	1.2588 (1.0371~ 1.5278)
CARM1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0441	0.4806 (0.2355~ 0.9810)
CASP1P2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0234	1.4432 (1.0510~ 1.9816)
CBS	Chronic Myeloid Leukemia	Inverse variance weighted	51	<0.001	0.5940 (0.4517~ 0.7810)
CC2D2B	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0013	0.2591 (0.1137~ 0.5905)
CCBL2	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0445	0.7132 (0.5129~ 0.9918)
CCDC115	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0360	0.5436 (0.3074~ 0.9610)
CCDC126	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0052	0.4955 (0.3028~ 0.8108)
CCDC13	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0111	2.7687 (1.2620~ 6.0742)
CCDC152	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.4180 (0.2797~ 0.6247)
CCDC40	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0124	0.2285 (0.0718~ 0.7272)
CCDC53	Chronic Myeloid Leukemia	Inverse variance weighted	24	<0.001	1.9393 (1.4534~ 2.5877)
CCDC7	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0101	4.8340 (1.4544~ 16.0667)
CCDC71	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0115	0.2527 (0.0869~ 0.7344)
CCL3L3	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0244	1.4348 (1.0477~ 1.9649)
CCND3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0072	0.2673 (0.1021~ 0.6996)
CCNL1	Chronic Myeloid Leukemia	Inverse variance weighted	18	<0.001	2.9063 (1.7677~ 4.7784)
CCNT2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0233	0.5515 (0.3298~ 0.9223)
CCR5	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0260	0.5130 (0.2850~ 0.9234)
CCT8	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0079	0.6893 (0.5240~ 0.9069)

CD163L1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0331	0.3574 (0.1387~ 0.9206)
CD1B	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0376	2.3309 (1.0499~ 5.1751)
CD1D	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0145	12.4139 (1.6470~ 93.5659)
CD1E	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0029	2.6280 (1.3925~ 4.9595)
CD200R1	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0151	1.6548 (1.1023~ 2.4842)
CD2BP2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0215	3.3496 (1.1948~ 9.3909)
CD3E	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0270	0.2221 (0.0585~ 0.8429)
CD40	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0220	1.5619 (1.0665~ 2.2874)
CD48	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0040	0.4492 (0.2606~ 0.7744)
CD9	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0038	1.7463 (1.1976~ 2.5465)
CD93	Chronic Myeloid Leukemia	Inverse variance weighted	54	<0.001	1.9929 (1.5264~ 2.6019)
CDC16	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0192	0.7948 (0.6558~ 0.9633)
CDC7	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0033	1.4322 (1.1271~ 1.8197)
CDCA7L	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	2.4128 (1.5245~ 3.8187)
CDKN1A	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0176	0.3950 (0.1835~ 0.8504)
CDKN2D	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0422	0.5272 (0.2843~ 0.9776)
CEBPG	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0431	8.1547 (1.0669~ 62.3324)
CECR6	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0122	0.7205 (0.5577~ 0.9309)
CEP128	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0011	0.5375 (0.3699~ 0.7809)
CEP57	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	3.1747 (1.8229~ 5.5289)
CEP85	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0086	1.9391 (1.1835~ 3.1772)
CERK	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0018	1.9981 (1.2946~ 3.0840)
CERKL	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0336	1.8854 (1.0503~ 3.3842)
CHMP3	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.2560 (0.1272~ 0.5151)
CHST10	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	31.3864 (6.4302~153.1999)
CHSY1	Chronic Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.5393 (0.3951~ 0.7361)
CHURC1	Chronic Myeloid Leukemia	Inverse variance weighted	73	0.0250	0.8280 (0.7020~ 0.9765)
CIB3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0395	6.0953 (1.0909~ 34.0568)
CKLF	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0331	0.1945 (0.0431~ 0.8768)
CLCN7	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0345	1.5116 (1.0306~ 2.2172)
CLEC4C	Chronic Myeloid Leukemia	Inverse variance weighted	67	<0.001	1.4187 (1.1683~ 1.7229)
CLHC1	Chronic Myeloid Leukemia	Inverse variance weighted	59	0.0038	0.7190 (0.5750~ 0.8990)
CLN6	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0087	1.4443 (1.0974~ 1.9009)
CLNS1A	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0189	0.5849 (0.3739~ 0.9152)
CLOCK	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0435	1.9292 (1.0193~ 3.6515)
CLUAP1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0473	0.4278 (0.1849~ 0.9898)
CMC1	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	0.2001 (0.0936~ 0.4279)
CMC2	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0212	0.6230 (0.4165~ 0.9318)
CNIH4	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0084	1.5698 (1.1228~ 2.1949)
CNKSR3	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0124	3.5385 (1.3147~ 9.5240)
CNN2	Chronic Myeloid Leukemia	Inverse variance weighted	40	<0.001	0.6252 (0.4743~ 0.8241)
CNN3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0207	5.0460 (1.2807~ 19.8823)
CNOT6	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0119	0.6475 (0.4615~ 0.9084)
CNTN4-AS1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0284	0.5392 (0.3103~ 0.9367)
CNTROB	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0320	0.5968 (0.3723~ 0.9565)
COBILL1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0341	7.9714 (1.1690~ 54.3567)
COG1	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0056	0.5660 (0.3783~ 0.8469)
COG5	Chronic Myeloid Leukemia	Inverse variance weighted	61	0.0500	0.8235 (0.6782~ 1.0000)
COL11A2	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0319	1.8141 (1.0527~ 3.1263)
COL5A3	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0125	1.5421 (1.0977~ 2.1665)
COMMD6	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0385	0.2274 (0.0559~ 0.9249)
COMMD7	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0312	1.8789 (1.0586~ 3.3349)
COMTD1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0285	1.9527 (1.0729~ 3.5539)
COPG1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0138	0.1581 (0.0364~ 0.6867)
COQ7	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0076	3.1789 (1.3600~ 7.4303)
COX11	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0190	1.7943 (1.1010~ 2.9244)
COX14	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0450	0.6049 (0.3701~ 0.9888)
CPNE3	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.3647 (0.2084~ 0.6383)
CPNE8	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0451	2.2015 (1.0175~ 4.7635)
CPSF4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0320	0.2140 (0.0523~ 0.8758)
CPT1A	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	2.9387 (1.6046~ 5.3822)
CPT1B	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0153	0.7046 (0.5309~ 0.9351)
CPT2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0209	0.3868 (0.1727~ 0.8661)
CREB3L4	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0287	3.0080 (1.1213~ 8.0694)
CRELD1	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0079	1.5704 (1.1257~ 2.1909)
CRIP1P1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0032	1.4573 (1.1349~ 1.8712)
CRISP3	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0252	0.3025 (0.1062~ 0.8618)
CRNKL1	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0440	0.5330 (0.2889~ 0.9832)
CROCC	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0171	0.5331 (0.3179~ 0.8939)
CROCCP2	Chronic Myeloid Leukemia	Inverse variance weighted	66	0.0109	1.3444 (1.0706~ 1.6882)
CRY1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0184	5.2085 (1.3208~ 20.5390)
CRYM	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0105	4.1839 (1.3972~ 12.5288)
CSDA	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0234	0.5541 (0.3325~ 0.9232)
CSE1L	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0036	0.4445 (0.2576~ 0.7668)
CSGALNACT2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0176	2.6465 (1.1849~ 5.9111)
CSNK1G1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0417	0.4232 (0.1850~ 0.9680)
CSNK1G2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0228	2.9071 (1.1604~ 7.2833)
CSNK1G3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0067	0.1395 (0.0336~ 0.5795)
CST7	Chronic Myeloid Leukemia	Inverse variance weighted	37	<0.001	1.9560 (1.3203~ 2.8976)
CSTF2T	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0137	0.4195 (0.2102~ 0.8368)
CTA-150C2.20	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	1.7416 (1.3012~ 2.3312)
CTA-963H5.5	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0184	0.5791 (0.3678~ 0.9120)
CTB-113P19.3	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0438	1.3780 (1.0089~ 1.8820)
CTB-27N1.1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0136	0.7690 (0.6242~ 0.9475)
CTC-281B15.1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0349	0.7559 (0.5828~ 0.9804)
CTC-281F24.1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0026	1.3779 (1.1189~ 1.6970)
CTC-360G5.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0325	5.6919 (1.1560~ 28.0249)
CTC-429P9.3	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0387	1.7489 (1.0295~ 2.9711)
CTC-462L7.1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0073	1.4461 (1.1046~ 1.8933)
CTC-497E21.4	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0036	0.8044 (0.6948~ 0.9312)
CTC-550B14.6	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0477	1.1934 (1.0018~ 1.4216)
CTC-550B14.7	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0292	1.2307 (1.0212~ 1.4831)
CTC-756D1.3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0453	0.4397 (0.1967~ 0.9831)
CTD-2006K23.1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0262	0.6098 (0.3943~ 0.9430)
CTD-2035E11.3	Chronic Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.2678 (0.1240~ 0.5787)
CTD-2184D3.7	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0373	1.5663 (1.0268~ 2.3893)
CTD-2231E14.8	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0410	0.6622 (0.4460~ 0.9833)
CTD-2258A20.5	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0199	0.5880 (0.3760~ 0.9195)
CTD-2267D19.2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0310	2.2338 (1.0760~ 4.6371)
CTD-2284J15.1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0161	0.4603 (0.2446~ 0.8660)
CTD-2313J17.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0307	2.1080 (1.0718~ 4.1460)
CTD-2331H12.5	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0024	0.4997 (0.3196~ 0.7815)
CTD-2336O2.1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0079	1.3494 (1.0817~ 1.6832)
CTD-2368P22.1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0247	1.6503 (1.0660~ 2.5549)
CTD-2516F10.2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0356	0.6465 (0.4304~ 0.9710)
CTD-2538C1.2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0255	1.5584 (1.0558~ 2.3003)
CTD-2540L5.6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0485	3.7760 (1.0091~ 14.1299)
CTD-2547L24.3	Chronic Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.0897 (0.0226~ 0.3566)
CTD-2561J22.2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0198	2.2267 (1.1354~ 4.3669)
CTD-2561J22.5	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0293	1.3256 (1.0287~ 1.7082)
CTD-2619J13.17	Chronic Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.5941 (0.4532~ 0.7788)
CTD-2619J13.8	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0017	6.1266 (1.9722~ 19.0323)
CTD-2623N2.3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0130	0.6326 (0.4408~ 0.9078)
CTD-3092A11.1	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.5912 (0.4411~ 0.7924)
CTD-3092A11.2	Chronic Myeloid Leukemia	Inverse variance weighted	25	<0.001	0.6295 (0.5024~ 0.7888)
CTD-3099C6.11	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0114	0.5682 (0.3667~ 0.8806)
CTD-3138B18.5	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0168	0.5568 (0.3445~ 0.8998)
CTGF	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0105	0.3108 (0.1270~ 0.7604)
CTH	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0025	0.4514 (0.2693~ 0.7566)
CTLA4	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0432	3.4399 (1.0385~ 11.3945)
CUEDC1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0013	2.8897 (1.5121~ 5.5223)
CUL9	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0354	0.1613 (0.0295~ 0.8824)
CWF19L2	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0223	1.3950 (1.0486~ 1.8557)
CXCL1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0235	2.0043 (1.0981~ 3.6584)
CXCL10	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0034	0.2741 (0.1152~ 0.6518)
CXCL16	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0054	0.6025 (0.4216~ 0.8610)
CXCL9	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0011	0.0735 (0.0153~ 0.3535)
CYB5D1	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0232	0.6393 (0.4345~ 0.9406)

CYB5D2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0277	0.5567 (0.3305~ 0.9379)
CYBRD1	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0269	0.7783 (0.6233~ 0.9717)
CYP27A1	Chronic Myeloid Leukemia	Inverse variance weighted	73	0.0103	1.2406 (1.0522~ 1.4628)
CYP2B7P1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0207	1.8000 (1.0940~ 2.9618)
CYP2D6	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0116	1.7660 (1.1356~ 2.7463)
CYP4F22	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0129	0.6523 (0.4657~ 0.9137)
DALRD3	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0371	3.6803 (1.0811~ 12.5287)
DAP3	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0013	0.2520 (0.1085~ 0.5852)
DARS	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0154	0.6870 (0.5071~ 0.9308)
DBI	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0313	0.5529 (0.3224~ 0.9481)
DBNDD1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0306	1.3857 (1.0309~ 1.8625)
DBNL	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0071	2.3648 (1.2642~ 4.4236)
DCAF4	Chronic Myeloid Leukemia	Inverse variance weighted	69	0.0130	0.7841 (0.6471~ 0.9501)
DCAF6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0076	0.1024 (0.0192~ 0.5460)
DCP2	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0476	1.8295 (1.0064~ 3.3260)
DCTD	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0487	0.6464 (0.4189~ 0.9975)
DCTN3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0274	3.3283 (1.1434~ 9.6883)
DDX10P1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0197	0.7065 (0.5275~ 0.9461)
DDX18	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0408	2.1811 (1.0332~ 4.6045)
DDX23	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0113	2.5438 (1.2354~ 5.2380)
DDX31	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.2957 (0.1881~ 0.4647)
DDX39BP2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0299	1.5300 (1.0423~ 2.2459)
DEAF1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0408	0.5918 (0.3580~ 0.9783)
DENND4C	Chronic Myeloid Leukemia	Inverse variance weighted	12	<0.001	4.3260 (1.9106~ 9.7951)
DENND5A	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0271	2.6036 (1.1147~ 6.0813)
DENND5B	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	2.4598 (1.4641~ 4.1327)
DENND6B	Chronic Myeloid Leukemia	Inverse variance weighted	17	<0.001	0.4222 (0.2684~ 0.6642)
DEPDC5	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0185	3.0864 (1.2083~ 7.8835)
DEPTOR	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0154	2.4800 (1.1893~ 5.1712)
DET1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0263	1.9751 (1.0836~ 3.6000)
DEXI	Chronic Myeloid Leukemia	Inverse variance weighted	25	<0.001	0.4598 (0.2962~ 0.7136)
DGAT2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0012	7.6014 (2.2269~ 25.9466)
DHRS12	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0045	1.7622 (1.1925~ 2.6040)
DHTKD1	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	3.9091 (2.1333~ 7.1631)
DHX33	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0284	4.3911 (1.1691~ 16.4924)
DHX35	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0038	2.2304 (1.2960~ 3.8384)
DHX58	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	2.0987 (1.4603~ 3.0163)
DIEXF	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0030	0.6141 (0.4452~ 0.8472)
DIRC3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0170	2.7430 (1.1974~ 6.2834)
DLEU1	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0063	0.5082 (0.3127~ 0.8258)
DLG5	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	0.5679 (0.4083~ 0.7898)
DMXL2	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	3.0285 (1.5957~ 5.7482)
DNAH6	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0399	1.9423 (1.0311~ 3.6587)
DNAJA3	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	2.2045 (1.3931~ 3.4884)
DNAJB12	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0187	1.9330 (1.1161~ 3.3478)
DNAJC13	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	3.6342 (2.0779~ 6.3560)
DNAJC5	Chronic Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.1090 (0.0313~ 0.3789)
DNM3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0312	0.2876 (0.0925~ 0.8938)
DNMT3A	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0020	0.0822 (0.0169~ 0.4009)
DNTTIP1	Chronic Myeloid Leukemia	Inverse variance weighted	54	0.0254	0.6682 (0.4692~ 0.9515)
DOCK10	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	1.7683 (1.2703~ 2.4615)
DOK7	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0480	1.6491 (1.0045~ 2.7074)
DPPA3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0144	1.8680 (1.1323~ 3.0817)
DPRXP4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0449	5.3103 (1.0390~ 27.1415)
DPY19L2	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	2.4391 (1.5271~ 3.8958)
DPYSL2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0390	5.9651 (1.0940~ 32.5238)
DSCR3	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0011	3.6928 (1.6869~ 8.0839)
DSTN	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0342	0.6956 (0.4971~ 0.9733)
DTYMK	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0354	4.2166 (1.1034~ 16.1137)
DUSP10	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0275	3.8461 (1.1614~ 12.7368)
DUSP12	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0205	4.9953 (1.2812~ 19.4763)
DUSP16	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0139	0.4647 (0.2523~ 0.8558)
DUSP18	Chronic Myeloid Leukemia	Inverse variance weighted	75	0.0047	0.7161 (0.5680~ 0.9027)
DUSP3	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0033	2.9823 (1.4379~ 6.1856)
DVL2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0116	0.1267 (0.0255~ 0.6301)
DYM	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0213	0.5076 (0.2849~ 0.9042)
EBAG9	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0110	0.3259 (0.1373~ 0.7733)
ECD	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0373	0.4361 (0.1997~ 0.9523)
ECHDC2	Chronic Myeloid Leukemia	Inverse variance weighted	49	0.0443	1.3020 (1.0068~ 1.6837)
EEF1A1	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0126	1.4506 (1.0831~ 1.9426)
EFCAB1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0030	6.6876 (1.9091~ 23.4269)
EFCAB2	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0190	1.5264 (1.0720~ 2.1734)
EFCAB4A	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0410	0.7316 (0.5421~ 0.9873)
EFTUD2	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0027	0.4323 (0.2500~ 0.7474)
EI24	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0119	7.2849 (1.5514~ 34.2082)
EID1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0045	2.0902 (1.2575~ 3.4744)
EID3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0483	0.3040 (0.0932~ 0.9912)
EIF2AK1	Chronic Myeloid Leukemia	Inverse variance weighted	20	<0.001	0.3307 (0.1761~ 0.6209)
EIF2S2	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0033	0.4715 (0.2854~ 0.7791)
EIF3K	Chronic Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.4103 (0.2487~ 0.6770)
ELMOD3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0144	12.6921 (1.6581~ 97.1505)
ELOVL4	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0160	2.2136 (1.1598~ 4.2251)
EML4	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0323	0.7160 (0.5273~ 0.9723)
EML6	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0484	1.7488 (1.0039~ 3.0466)
ENTPD1	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0360	0.7223 (0.5329~ 0.9789)
ENTPD3~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0136	0.6917 (0.5161~ 0.9271)
EOGT	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0123	0.5288 (0.3212~ 0.8707)
EOMES	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.1227 (0.0537~ 0.2800)
EP300	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0253	1.8931 (1.0821~ 3.3117)
EPB41L5	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0399	3.8452 (1.0644~ 13.8906)
EPHA1	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0263	0.5574 (0.3328~ 0.9334)
EPPK1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0366	0.6629 (0.4508~ 0.9748)
ERC1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0486	0.2447 (0.0604~ 0.9917)
ERGIC2	Chronic Myeloid Leukemia	Inverse variance weighted	12	<0.001	3.4020 (1.6441~ 7.0397)
ERO1L	Chronic Myeloid Leukemia	Inverse variance weighted	80	<0.001	1.7157 (1.3998~ 2.1030)
ERVK3~1	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0490	1.2911 (1.0011~ 1.6650)
ESM1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0252	3.5358 (1.1703~ 10.6825)
ESPNL	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0453	2.4825 (1.0192~ 6.0469)
ETFA	Chronic Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.5088 (0.3874~ 0.6682)
ETV5	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0388	0.2183 (0.0515~ 0.9245)
EVI2A	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	0.4603 (0.3039~ 0.6973)
EXD2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0034	9.7168 (2.1254~ 44.4235)
EXOC7	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0314	5.4902 (1.1641~ 25.8939)
EXOSC3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0181	0.3593 (0.1537~ 0.8395)
EXOSC9	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0203	1.8238 (1.0977~ 3.0302)
EXT2	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0125	1.5576 (1.0999~ 2.2056)
EYA3	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0282	0.4647 (0.2344~ 0.9213)
FAHD2B	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0327	2.1241 (1.0639~ 4.2407)
FAIM3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0144	0.3428 (0.1455~ 0.8078)
FAM105A	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0084	0.3090 (0.1290~ 0.7401)
FAM114A2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0406	5.0604 (1.0722~ 23.8844)
FAM132B	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0315	0.7356 (0.5560~ 0.9731)
FAM13A	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0328	1.5925 (1.0387~ 2.4416)
FAM167B	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0400	0.3292 (0.1140~ 0.9504)
FAM171A1	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0012	0.5378 (0.3690~ 0.7838)
FAM19A1	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0021	1.6213 (1.1921~ 2.2050)
FAM200B	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0013	0.6326 (0.4788~ 0.8358)
FAM211B	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0189	0.3521 (0.1473~ 0.8417)
FAM212B	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0481	1.5651 (1.0037~ 2.4403)
FAM21FP	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0177	1.3847 (1.0580~ 1.8121)
FAM22B	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0074	0.7770 (0.6460~ 0.9345)
FAM76B	Chronic Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.5130 (0.3673~ 0.7165)
FAM81A	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0188	4.9342 (1.3029~ 18.6856)
FAM83D	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0272	5.1066 (1.2018~ 21.6992)
FAM86DP	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0294	1.2419 (1.0219~ 1.5091)
FAM91A1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0342	0.1372 (0.0218~ 0.8624)
FAM98B	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0191	10.6657 (1.4728~ 77.2378)
FANCA	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0038	1.9057 (1.2314~ 2.9495)
FANCL	Chronic Myeloid Leukemia	Inverse variance weighted	3	<0.001	7.8153 (2.6643~ 22.9252)
FASLG	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0072	6.3560 (1.6487~ 24.5027)
FBLL1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0064	0.3066 (0.1311~ 0.7167)
FBN2	Chronic Myeloid Leukemia	Inverse variance weighted	60	<0.001	0.6361 (0.4887~ 0.8280)
FBXL17	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0045	2.7443 (1.3679~ 5.5055)
FBXL5	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0140	2.3552 (1.1890~ 4.6651)
FCGR2B	Chronic Myeloid Leukemia	Inverse variance weighted	63	0.0310	0.8117 (0.6716~ 0.9811)
FCRL3	Chronic Myeloid Leukemia	Inverse variance weighted	76	0.0433	0.8017 (0.6471~ 0.9933)
FCRL5	Chronic Myeloid Leukemia	Inverse variance weighted	53	0.0396	0.7502 (0.5705~ 0.9864)
FECH	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0200	1.4204 (1.0568~ 1.9092)
FERMT3	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0496	0.0574 (0.0033~ 0.9952)
FEZ1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0408	2.5309 (1.0398~ 6.1600)
FGD2	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0076	1.4520 (1.1040~ 1.9097)
FGD5~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0495	1.2992 (1.0005~ 1.6869)
FGFR2	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0130	1.6987 (1.1183~ 2.5802)
FKSG48	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0051	1.5391 (1.1384~ 2.0810)

FLYWCH2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0018	0.5353 (0.3619~ 0.7917)
FMNL3	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0087	3.2712 (1.3502~ 7.9249)
FN3K	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0034	0.4871 (0.3009~ 0.7884)
FNBP1P1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0492	0.7787 (0.6070~ 0.9991)
FOS	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0346	5.1433 (1.1257~ 23.4997)
FOXI1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0044	24.4278 (2.7117~ 220.0502)
FPGT	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0041	0.6890 (0.5343~ 0.8886)
FPR1	Chronic Myeloid Leukemia	Inverse variance weighted	49	0.0188	1.3444 (1.0503~ 1.7209)
FPR3	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0134	0.6218 (0.4266~ 0.9062)
FRA10AC1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0406	1.9370 (1.0288~ 3.6470)
FRG1B	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0257	0.6597 (0.4577~ 0.9508)
FRMD3	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0137	0.4335 (0.2229~ 0.8427)
FRMD4A	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0175	4.5861 (1.3055~ 16.1103)
FRY	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0068	4.0475 (1.4694~ 11.1486)
FSCN1	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.3326 (0.1812~ 0.6107)
FST	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0467	0.5776 (0.3363~ 0.9921)
FTCD	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0328	0.4347 (0.2023~ 0.9342)
FTSJ2	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0078	0.3685 (0.1766~ 0.7688)
FUCA1	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0014	0.6496 (0.4984~ 0.8466)
FUT10	Chronic Myeloid Leukemia	Inverse variance weighted	62	0.0074	1.3960 (1.0934~ 1.7824)
FUT7	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0397	1.3117 (1.0128~ 1.6989)
FUT8	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0472	0.6457 (0.4191~ 0.9946)
FYCO1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0017	0.1972 (0.0717~ 0.5423)
G6PC3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0053	3.5680 (1.4579~ 8.7324)
GAA	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0058	0.7475 (0.6079~ 0.9193)
GABARAPL1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0343	0.4520 (0.2166~ 0.9429)
GADD45B	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0040	0.3912 (0.2065~ 0.7409)
GALM	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0019	0.3544 (0.1843~ 0.6815)
GALNT4	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0273	0.6930 (0.5004~ 0.9598)
GAMT	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0221	0.2691 (0.0875~ 0.8280)
GART	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0471	0.2029 (0.0420~ 0.9800)
GAS1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0045	2.4311 (1.3170~ 4.4876)
GATSL3	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0075	3.6317 (1.4106~ 9.3501)
GBAP1	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0010	0.7239 (0.5968~ 0.8781)
GBGT1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0445	1.6244 (1.0119~ 2.6078)
GCC1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0016	3.1271 (1.5375~ 6.3604)
GCM1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0373	0.3279 (0.1148~ 0.9366)
GGT1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0072	0.3742 (0.1826~ 0.7667)
GGT7	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0052	2.8282 (1.3649~ 5.8604)
GHRLOS	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0036	1.3061 (1.0913~ 1.5631)
GIMAP4	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0156	0.5817 (0.3749~ 0.9026)
GIMAP7	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0014	3.0011 (1.5276~ 5.8959)
GINM1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0377	0.6967 (0.4956~ 0.9796)
GIPC3	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0365	0.5267 (0.2888~ 0.9604)
GLRX2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0469	4.3017 (1.0200~ 18.1422)
GLRX5	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0207	1.7362 (1.0881~ 2.7704)
GM2A	Chronic Myeloid Leukemia	Inverse variance weighted	60	<0.001	1.3786 (1.1476~ 1.6560)
GMCL1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0341	3.4081 (1.0963~ 10.5948)
GMIP	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0499	2.6404 (1.0003~ 6.9696)
GNA12	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0052	1.8826 (1.2081~ 2.9337)
GNA15	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0381	0.3085 (0.1015~ 0.9375)
GNAT2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0295	13.7568 (1.2986~145.7362)
GNMT	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0193	0.6671 (0.4753~ 0.9364)
GNPTG	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0354	0.4668 (0.2296~ 0.9491)
GOLGA6L9	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0401	2.4245 (1.0409~ 5.6470)
GOLGA7B	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0418	2.6109 (1.0363~ 6.5780)
GOLGA8B	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0333	0.7776 (0.6168~ 0.9804)
GOLPH3	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0252	0.5580 (0.3348~ 0.9299)
GORAB	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0054	2.0075 (1.2292~ 3.2784)
GOT2	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0223	0.5282 (0.3055~ 0.9132)
GPAT2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0408	4.5622 (1.0659~ 19.5266)
GPBP1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0322	0.2749 (0.0843~ 0.8964)
GPCPD1	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0291	0.5425 (0.3133~ 0.9396)
GPM6A	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0323	1.7148 (1.0466~ 2.8095)
GPNMB	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0289	0.6217 (0.4058~ 0.9523)
GPR68	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0193	2.7388 (1.1775~ 6.3704)
GPR84	Chronic Myeloid Leukemia	Inverse variance weighted	15	<0.001	4.1536 (1.9808~ 8.7098)
GRAMD1C	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0190	1.7274 (1.0938~ 2.7281)
GRHPR	Chronic Myeloid Leukemia	Inverse variance weighted	93	0.0058	1.2991 (1.0787~ 1.5646)
GRIK4	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0172	0.5883 (0.3802~ 0.9104)
GRIN3B	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0144	0.3207 (0.1290~ 0.7974)
GRK5	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0038	3.3554 (1.4786~ 7.6143)
GRM2	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0239	2.2307 (1.1121~ 4.4745)
GRWD1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0406	1.9868 (1.0299~ 3.8330)
GS1~251I9.4	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0414	3.1300 (1.0455~ 9.3699)
GS1~410F4.3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0032	1.6547 (1.1832~ 2.3140)
GS1~465N13.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0106	0.0667 (0.0084~ 0.5319)
GSDMB	Chronic Myeloid Leukemia	Inverse variance weighted	96	0.0217	0.8461 (0.7337~ 0.9758)
GSKIP	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0246	0.6369 (0.4297~ 0.9439)
GSTM1	Chronic Myeloid Leukemia	Inverse variance weighted	62	0.0152	0.8035 (0.6733~ 0.9588)
GSTM4	Chronic Myeloid Leukemia	Inverse variance weighted	54	0.0347	0.7832 (0.6243~ 0.9826)
GTF2F2	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0449	1.3846 (1.0074~ 1.9030)
GTF2H2	Chronic Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.5846 (0.4352~ 0.7853)
GTPBP3	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0115	2.6015 (1.2393~ 5.4608)
GTSF1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0263	2.5759 (1.1177~ 5.9364)
GUCY2C	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0020	3.5637 (1.5887~ 7.9937)
GUSB	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0218	2.1586 (1.1184~ 4.1663)
GUSBP5	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0067	1.4952 (1.1180~ 1.9997)
GYPA	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0349	3.2118 (1.0860~ 9.4987)
GYPE	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0063	1.2218 (1.0581~ 1.4109)
H1FNT	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0050	5.5829 (1.6812~ 18.5392)
H1FX	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0233	4.2069 (1.2162~ 14.5512)
H3F3A	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0340	0.7349 (0.5528~ 0.9770)
H4VCR2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0186	0.4036 (0.1896~ 0.8591)
HCFC1R1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0305	0.1355 (0.0222~ 0.8284)
HCG22	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0119	1.3366 (1.0661~ 1.6756)
HCG4P7	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0086	0.6511 (0.4728~ 0.8966)
HDAC7	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0446	0.1975 (0.0406~ 0.9616)
HEBP2	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0022	0.5517 (0.3771~ 0.8070)
HERC2	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0229	1.6618 (1.0730~ 2.5737)
HES6	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0015	0.4858 (0.3108~ 0.7593)
HIATL1	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0037	1.4351 (1.1244~ 1.8315)
HIGD2A	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	0.6322 (0.4997~ 0.7998)
HIST1H2AE	Chronic Myeloid Leukemia	Inverse variance weighted	18	<0.001	2.6477 (1.5566~ 4.5036)
HIST1H3E	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0403	0.6026 (0.3714~ 0.9779)
HIVEP2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0467	5.5783 (1.0253~ 30.3477)
HIVEP3	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0047	0.4611 (0.2698~ 0.7882)
HKDC1	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0156	1.4522 (1.0733~ 1.9649)
HLA~DMB	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0080	2.9704 (1.3287~ 6.6406)
HLA~DOB	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0495	1.2567 (1.0005~ 1.5786)
HLA~DPB2	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0146	0.6696 (0.4853~ 0.9239)
HLA~DRB6	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0018	1.6907 (1.2159~ 2.3510)
HLA~E	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0159	0.5036 (0.2884~ 0.8795)
HLA~K	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0081	0.7457 (0.6000~ 0.9267)
HLA~W	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0058	1.7637 (1.1781~ 2.6404)
HM13	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0197	0.6279 (0.4247~ 0.9283)
HMGXB4	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0458	0.3205 (0.1049~ 0.9788)
HMOX1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0419	1.8213 (1.0223~ 3.2447)
HNRNPF	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0134	2.3448 (1.1933~ 4.6074)
HNRNPH3	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0081	7.6600 (1.6968~ 34.5803)
HNRNPUL1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0390	0.4297 (0.1927~ 0.9582)
HNRPLL	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0494	2.2321 (1.0020~ 4.9722)
HP	Chronic Myeloid Leukemia	Inverse variance weighted	65	0.0205	0.7911 (0.6488~ 0.9646)
HPCAL1	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0398	1.5129 (1.0195~ 2.2450)
HPS6	Chronic Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.3585 (0.2094~ 0.6137)
HS2ST1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0210	3.0026 (1.1805~ 7.6373)
HSD17B11	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0136	0.6962 (0.5221~ 0.9283)
HSD17B13	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0279	1.4116 (1.0381~ 1.9196)
HSPA1B	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0119	0.5812 (0.3808~ 0.8871)
HSPA6	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0257	1.7622 (1.0712~ 2.8989)
HSPG2	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0142	0.6615 (0.4754~ 0.9205)
HTATIP2	Chronic Myeloid Leukemia	Inverse variance weighted	49	<0.001	0.5844 (0.4330~ 0.7887)
HTR3A	Chronic Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.0417 (0.0077~ 0.2263)
HTRA3	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0033	6.3904 (1.8565~ 21.9965)
HYI	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0326	2.8301 (1.0898~ 7.3491)
ID3	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0390	0.3657 (0.1407~ 0.9503)
IDO2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0304	0.2180 (0.0549~ 0.8659)
IFNG~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0115	0.7804 (0.6438~ 0.9459)
IFNG	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0415	5.7748 (1.0702~ 31.1616)
IFT27	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0322	0.6847 (0.4842~ 0.9683)
IGFBP4	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0397	0.3741 (0.1466~ 0.9547)
IGFLR1	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0156	1.6483 (1.0992~ 2.4716)
IGHV1~46	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0359	1.9536 (1.0450~ 3.6522)
IGKV2~29	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0181	1.4888 (1.0702~ 2.0710)
IGLV3~10	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0475	1.3243 (1.0030~ 1.7484)
IKBIP	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0350	0.5664 (0.3339~ 0.9609)
IKBKAP	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0073	4.1032 (1.4634~ 11.5044)
IL10RB	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0152	0.5599 (0.3505~ 0.8945)
IL15	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0276	2.2081 (1.0912~ 4.4684)
IL18R1	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0082	1.5821 (1.1259~ 2.2233)
IL1RAP	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0034	0.3659 (0.1865~ 0.7176)
IL1RL1	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0273	2.2981 (1.0975~ 4.8121)

IL23R	Chronic Myeloid Leukemia	Inverse variance weighted	9	<0.001	0.1157 (0.0440~ 0.3044)
IL27	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0460	0.3340 (0.1137~ 0.9809)
IL27RA	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0268	2.3153 (1.1011~ 4.8686)
IL4R	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0046	0.3789 (0.1937~ 0.7410)
IL7R	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0022	0.4300 (0.2505~ 0.7380)
IL8	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0082	1.9146 (1.1828~ 3.0994)
ILF3~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0365	1.5981 (1.0299~ 2.4797)
IMPDH1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0289	3.5682 (1.1395~ 11.1736)
INCENP	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0034	2.7337 (1.3945~ 5.3586)
ING1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0460	0.5524 (0.3083~ 0.9896)
ING3	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0074	4.9349 (1.5354~ 15.8616)
ING5	Chronic Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.5609 (0.4089~ 0.7695)
INO80E	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	2.0888 (1.3605~ 3.2069)
INPP5B	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0479	1.2450 (1.0020~ 1.5468)
INPP5D	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0281	1.9492 (1.0744~ 3.5363)
INSIG1	Chronic Myeloid Leukemia	Inverse variance weighted	34	<0.001	0.5519 (0.4074~ 0.7475)
INTS4	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0223	0.7008 (0.5166~ 0.9508)
IPO9	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0045	0.1698 (0.0499~ 0.5776)
IPPK	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0430	0.0934 (0.0094~ 0.9278)
IRAK1BP1	Chronic Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.2991 (0.1531~ 0.5844)
IREB2	Chronic Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.5439 (0.4040~ 0.7322)
ISL2	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0020	0.4781 (0.2994~ 0.7636)
ISOC1	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0022	0.5490 (0.3738~ 0.8063)
JAGN1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0050	2.4674 (1.3129~ 4.6372)
JAKMIP1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0258	1.8509 (1.0772~ 3.1802)
JAKMIP2	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0075	0.5683 (0.3756~ 0.8601)
JMJD4	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0229	1.9266 (1.0951~ 3.3895)
JMY	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0132	0.5666 (0.3615~ 0.8882)
KANSL2	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0406	1.8656 (1.0271~ 3.3886)
KAT2B	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0409	1.6438 (1.0207~ 2.6475)
KAT6A	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0021	3.9512 (1.6471~ 9.4784)
KATNAL1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0397	2.7698 (1.0490~ 7.3132)
KATNB1	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	9.0112 (2.8285~ 28.7087)
KB~431C1.3	Chronic Myeloid Leukemia	Inverse variance weighted	18	<0.001	1.5039 (1.1852~ 1.9085)
KB~431C1.4	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0024	1.3787 (1.1202~ 1.6969)
KCNA6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0448	0.1412 (0.0209~ 0.9556)
KCNB1	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	0.2761 (0.1290~ 0.5909)
KCNE1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0198	2.1116 (1.1262~ 3.9592)
KCNJ10	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0308	0.2551 (0.0738~ 0.8817)
KCNK7	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0411	2.7645 (1.0420~ 7.3342)
KCNN4	Chronic Myeloid Leukemia	Inverse variance weighted	59	0.0397	0.7138 (0.5177~ 0.9842)
KCTD11	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0016	0.2993 (0.1414~ 0.6334)
KCTD18	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0147	3.6357 (1.2893~ 10.2520)
KDELC2	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0418	0.7026 (0.5002~ 0.9870)
KHK	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0318	0.6682 (0.4625~ 0.9655)
KHSRP	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0049	0.0308 (0.0027~ 0.3478)
KIAA0040	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0074	0.7038 (0.5443~ 0.9100)
KIAA0101	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0074	0.1073 (0.0210~ 0.5493)
KIAA1147	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0297	0.1661 (0.0329~ 0.8381)
KIAA1429	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0157	4.6613 (1.3364~ 16.2586)
KIAA1467	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0408	2.6438 (1.0415~ 6.7108)
KIAA1551	Chronic Myeloid Leukemia	Inverse variance weighted	56	0.0413	0.7158 (0.5191~ 0.9869)
KIF16B	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0030	0.6964 (0.5483~ 0.8846)
KIF1C	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0161	5.8564 (1.3891~ 24.6902)
KIF20B	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	0.2722 (0.1322~ 0.5602)
KIF2A	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0413	0.2694 (0.0765~ 0.9494)
KIF5C	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0445	3.2508 (1.0292~ 10.2681)
KIR2DL1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0466	1.6195 (1.0072~ 2.6039)
KLHDC4	Chronic Myeloid Leukemia	Inverse variance weighted	70	0.0128	0.7607 (0.6134~ 0.9434)
KLHL12	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0097	0.4376 (0.2339~ 0.8189)
KLHL20	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0137	3.4979 (1.2920~ 9.4703)
KLHL24	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0024	1.8898 (1.2536~ 2.8491)
KLHL5	Chronic Myeloid Leukemia	Inverse variance weighted	53	0.0054	1.4506 (1.1160~ 1.8856)
KLHL6	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0487	2.0543 (1.0041~ 4.2028)
KLHL7~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0210	1.1922 (1.0269~ 1.3842)
KLHL7	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0189	2.5779 (1.1692~ 5.6836)
KLRB1	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	3.3215 (1.7456~ 6.3202)
KLRC2	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0074	1.5005 (1.1151~ 2.0190)
KRI1	Chronic Myeloid Leukemia	Inverse variance weighted	8	<0.001	0.2737 (0.1313~ 0.5704)
KRT1	Chronic Myeloid Leukemia	Inverse variance weighted	79	<0.001	0.6953 (0.5791~ 0.8347)
KRT10	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0270	0.5592 (0.3341~ 0.9360)
KRT72	Chronic Myeloid Leukemia	Inverse variance weighted	79	0.0282	1.2606 (1.0251~ 1.5503)
KRT73	Chronic Myeloid Leukemia	Inverse variance weighted	72	0.0115	1.2949 (1.0596~ 1.5823)
KRT74	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0031	2.4337 (1.3506~ 4.3854)
KRT8P33	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0471	1.7853 (1.0073~ 3.1641)
KXD1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0436	0.1784 (0.0334~ 0.9519)
L1TD1	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0266	1.5482 (1.0520~ 2.2784)
L3HYPDH	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0115	1.8027 (1.1416~ 2.8466)
LAMP3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0275	3.4380 (1.1466~ 10.3082)
LARP1	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	0.4145 (0.2679~ 0.6412)
LARS2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0429	1.7858 (1.0187~ 3.1304)
LBH	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0186	0.5835 (0.3726~ 0.9137)
LDHC	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0221	1.4958 (1.0595~ 2.1119)
LDLRAD4	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0142	3.3109 (1.2720~ 8.6180)
LEPR	Chronic Myeloid Leukemia	Inverse variance weighted	42	<0.001	1.8460 (1.3617~ 2.5024)
LEPROT	Chronic Myeloid Leukemia	Inverse variance weighted	61	<0.001	1.5057 (1.1976~ 1.8931)
LGALS12	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0080	2.1372 (1.2196~ 3.7451)
LGALS3BP	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0111	0.2542 (0.0884~ 0.7315)
LHX4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0106	0.0465 (0.0044~ 0.4890)
LIAS	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0040	1.7588 (1.1974~ 2.5836)
LILRA5	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0190	1.5860 (1.0786~ 2.3322)
LINC00422	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0452	1.3247 (1.0060~ 1.7445)
LINC00426	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0149	1.4737 (1.0786~ 2.0134)
LINC00482	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0194	1.6687 (1.0862~ 2.5636)
LINC00565	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0311	0.8266 (0.6952~ 0.9828)
LINC00649	Chronic Myeloid Leukemia	Inverse variance weighted	52	0.0344	0.7766 (0.6144~ 0.9816)
LINC00667	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0059	1.2439 (1.0650~ 1.4529)
LINS	Chronic Myeloid Leukemia	Inverse variance weighted	54	<0.001	1.4837 (1.2014~ 1.8323)
LIPC	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0483	1.8465 (1.0045~ 3.3944)
LL22NC03~86G7.1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0422	1.5371 (1.0153~ 2.3271)
LPIN2	Chronic Myeloid Leukemia	Inverse variance weighted	64	0.0490	0.7794 (0.6081~ 0.9990)
LRBA	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0037	4.5195 (1.6329~ 12.5090)
LRCH4	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0106	0.3402 (0.1488~ 0.7780)
LRR1	Chronic Myeloid Leukemia	Inverse variance weighted	33	<0.001	0.5253 (0.3655~ 0.7550)
LRRC27	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0037	0.4771 (0.2895~ 0.7864)
LRRC28	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0073	0.6144 (0.4303~ 0.8771)
LRRC33	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0102	0.6637 (0.4856~ 0.9073)
LRRC37A	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0290	1.1999 (1.0188~ 1.4132)
LRRC8C	Chronic Myeloid Leukemia	Inverse variance weighted	52	0.0047	0.6663 (0.5028~ 0.8830)
LRRC8D	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0121	1.7311 (1.1274~ 2.6581)
LRRIQ3	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0038	0.4322 (0.2448~ 0.7632)
LRRK1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0014	0.5114 (0.3392~ 0.7710)
LSM4	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0072	2.2901 (1.2514~ 4.1910)
LTB4R	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0226	0.2754 (0.0909~ 0.8347)
LTBP4	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0196	0.4804 (0.2595~ 0.8891)
LY6E	Chronic Myeloid Leukemia	Inverse variance weighted	9	<0.001	3.6510 (1.7085~ 7.8024)
LY75	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0195	1.4631 (1.0632~ 2.0134)
LY96	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0418	0.6014 (0.3686~ 0.9812)
LYRM4	Chronic Myeloid Leukemia	Inverse variance weighted	53	0.0034	0.6273 (0.4589~ 0.8574)
LZTS1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0205	0.4098 (0.1926~ 0.8717)
MACF1	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.4932 (0.3441~ 0.7068)
MAFB	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	4.6807 (1.9119~ 11.4596)
MAK16	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0175	3.3481 (1.2354~ 9.0738)
MAN1A1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0202	0.5776 (0.3635~ 0.9180)
MAN1A2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0409	0.4365 (0.1972~ 0.9662)
MAP3K10	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0084	0.3048 (0.1261~ 0.7372)
MAP3K12	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0405	0.3194 (0.1072~ 0.9519)

MAP3K6	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0059	1.6449 (1.1539~ 2.3449)
MAP3K9	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	3.4407 (1.8218~ 6.4981)
MAPK14	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0021	0.3280 (0.1613~ 0.6670)
MAPK3	Chronic Myeloid Leukemia	Inverse variance weighted	56	0.0206	1.3076 (1.0421~ 1.6408)
MAPKAPK5~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0124	0.5500 (0.3443~ 0.8785)
MAPRE2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0240	0.4871 (0.2607~ 0.9098)
1~Mar	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0086	0.5723 (0.3773~ 0.8680)
2~Mar	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0208	1.8634 (1.0992~ 3.1589)
MB21D1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0195	0.4863 (0.2656~ 0.8907)
MBD2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0262	0.2811 (0.0918~ 0.8606)
MBNL1	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0125	0.6134 (0.4179~ 0.9003)
MBP	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0218	1.4221 (1.0526~ 1.9212)
MC1R	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0104	1.3957 (1.0816~ 1.8011)
MCCC2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0048	3.0893 (1.4117~ 6.7608)
MCM5	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0205	1.5723 (1.0724~ 2.3055)
MCM7	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0469	0.3302 (0.1107~ 0.9848)
MCPH1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0208	3.9234 (1.2314~ 12.5003)
MED4	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0060	1.5612 (1.1359~ 2.1458)
MEFV	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0310	1.6472 (1.0468~ 2.5919)
MEPCE	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0012	0.3584 (0.1923~ 0.6679)
METTL10	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0153	0.4098 (0.1993~ 0.8426)
METTL13	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0125	1.5234 (1.0947~ 2.1199)
METTL14	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0345	0.3549 (0.1358~ 0.9273)
METTL17	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0475	1.6744 (1.0057~ 2.7878)
METTL21D	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0285	0.6316 (0.4186~ 0.9528)
METTL25	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0213	3.2868 (1.1933~ 9.0528)
METTL2B	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0013	2.2869 (1.3832~ 3.7811)
METTL4	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0072	2.1490 (1.2301~ 3.7542)
MFAP3L	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0244	0.3095 (0.1115~ 0.8593)
MFHAS1	Chronic Myeloid Leukemia	Inverse variance weighted	62	0.0218	0.6310 (0.4258~ 0.9352)
MFSD6	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0078	1.3438 (1.0811~ 1.6704)
MFSD7	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0363	1.4915 (1.0259~ 2.1684)
MGA	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0449	0.3026 (0.0941~ 0.9734)
MGAT2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0100	0.2052 (0.0615~ 0.6850)
MGAT4A	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0466	0.1695 (0.0295~ 0.9739)
MGRN1	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0073	0.5623 (0.3694~ 0.8561)
MICAL2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0011	7.5708 (2.2351~ 25.6444)
MICALCL	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0123	0.5776 (0.3758~ 0.8876)
MICU1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0031	3.7451 (1.5620~ 8.9795)
MIR3677	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0383	0.6550 (0.4388~ 0.9775)
MIR4420	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0105	1.7749 (1.1438~ 2.7542)
MKKS	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0056	1.6020 (1.1480~ 2.2355)
MLH1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0187	0.5822 (0.3710~ 0.9139)
MLK4	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0080	3.0830 (1.3424~ 7.0806)
MLLT10P1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0076	0.4684 (0.2684~ 0.8173)
MMS19	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0359	0.2495 (0.0682~ 0.9126)
MON1A	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0288	0.2890 (0.0950~ 0.8797)
MON2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0301	0.2199 (0.0560~ 0.8642)
MORN3	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0227	1.3570 (1.0436~ 1.7646)
MPHOSPH6	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0161	0.7024 (0.5268~ 0.9366)
MPO	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0260	1.7397 (1.0686~ 2.8323)
MPP2	Chronic Myeloid Leukemia	Inverse variance weighted	12	<0.001	0.2719 (0.1280~ 0.5775)
MPZL1	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0173	1.4864 (1.0723~ 2.0602)
MRPL1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0399	0.5365 (0.2962~ 0.9716)
MRPL22	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0357	3.1782 (1.0802~ 9.3509)
MRPL24	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0134	0.1726 (0.0429~ 0.6941)
MRPL27	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0106	0.2323 (0.0758~ 0.7118)
MRPL39	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0147	3.4881 (1.2787~ 9.5152)
MRPL40	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0057	0.1286 (0.0300~ 0.5504)
MRPS6	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0010	1.8627 (1.2849~ 2.7002)
MRTO4	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0083	0.3202 (0.1375~ 0.7458)
MRVI1~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	15	<0.001	0.5162 (0.3498~ 0.7618)
MRVI1	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0081	0.6787 (0.5094~ 0.9043)
MSANTD4	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0353	2.1789 (1.0551~ 4.4996)
MSC	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0130	1.5560 (1.0977~ 2.2057)
MSH2	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0023	1.6030 (1.1834~ 2.1716)
MSH6	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0024	0.5979 (0.4291~ 0.8330)
MSX2P1	Chronic Myeloid Leukemia	Inverse variance weighted	25	<0.001	0.4797 (0.3308~ 0.6957)
MT1XP1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0032	2.1510 (1.2922~ 3.5806)
MTCH1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0074	0.2312 (0.0792~ 0.6749)
MTDH	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0198	0.1622 (0.0351~ 0.7495)
MTF2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0320	3.7677 (1.1212~ 12.6606)
MTFP1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0016	3.0416 (1.5263~ 6.0610)
MTHFR	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0404	1.2613 (1.0103~ 1.5746)
MTL5	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0095	2.1975 (1.2122~ 3.9838)
MTO1	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0042	0.5946 (0.4166~ 0.8486)
MTPAP	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0310	1.9896 (1.0649~ 3.7174)
MTX1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0029	2.2573 (1.3208~ 3.8578)
MTX1P1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0173	1.9568 (1.1260~ 3.4004)
MTX2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0426	4.6120 (1.0522~ 20.2164)
MUC20	Chronic Myeloid Leukemia	Inverse variance weighted	87	<0.001	1.5840 (1.3364~ 1.8773)
MUT	Chronic Myeloid Leukemia	Inverse variance weighted	59	0.0396	0.8085 (0.6603~ 0.9900)
MX1	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	0.5410 (0.3952~ 0.7407)
MYCBPAP	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0494	0.5519 (0.3051~ 0.9983)
MYH3	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0469	0.6248 (0.3930~ 0.9935)
MYOSC	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0432	0.4659 (0.2222~ 0.9770)
MZF1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0016	2.4437 (1.4013~ 4.2614)
NAA25	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0362	0.2802 (0.0852~ 0.9217)
NAA38	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0047	1.8406 (1.2059~ 2.8094)
NAAA	Chronic Myeloid Leukemia	Inverse variance weighted	90	0.0245	1.1878 (1.0224~ 1.3800)
NAGK	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0495	0.8114 (0.6586~ 0.9996)
NAMPT	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0209	0.0828 (0.0100~ 0.6856)
NAPB	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0289	1.4435 (1.0386~ 2.0063)
NAPG	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0219	0.6786 (0.4871~ 0.9453)
NARS2	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0180	0.6318 (0.4319~ 0.9244)
NBN	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0012	0.5196 (0.3501~ 0.7713)
NBPF2P	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0060	1.2875 (1.0752~ 1.5418)
NBPF3	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0100	0.6136 (0.4232~ 0.8897)
NCEH1	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	4.0117 (1.7987~ 8.9472)
NCKAP1L	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0381	0.3316 (0.1168~ 0.9412)
NCKIPSD	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0028	3.0867 (1.4732~ 6.4671)
NCR3LG1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0142	10.2411 (1.5964~ 65.6994)
NDRG1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0125	1.8521 (1.1417~ 3.0045)
NDUFA11	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0075	0.1234 (0.0266~ 0.5715)
NDUFA3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0368	1.5609 (1.0277~ 2.3707)
NDUFB2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0093	1.8502 (1.1635~ 2.9422)
NDUFB5	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	0.1710 (0.0604~ 0.4843)
NDUFS5	Chronic Myeloid Leukemia	Inverse variance weighted	55	0.0304	0.7485 (0.5758~ 0.9729)
NEBL	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0072	0.7327 (0.5840~ 0.9193)
NELFCD	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0491	0.7962 (0.6346~ 0.9991)
NFKBIE	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0089	0.4636 (0.2605~ 0.8249)
NFRKB	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0332	1.8206 (1.0488~ 3.1604)
NICN1	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0038	0.4798 (0.2916~ 0.7894)
NINJ2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0108	1.5503 (1.1068~ 2.1717)
NLRP2	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0454	1.2670 (1.0049~ 1.5974)
NLRP6	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0347	0.4880 (0.2507~ 0.9499)
NME8	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0013	0.6025 (0.4425~ 0.8204)
NMT1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0245	2.4288 (1.1207~ 5.2641)
NOP16	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0012	3.3077 (1.6061~ 6.8120)
NOP58	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0137	2.1297 (1.1674~ 3.8852)
NPAS2	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0288	2.7805 (1.1119~ 6.9532)
NPLOC4	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0015	2.9956 (1.5214~ 5.8983)
NR1H3	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	1.7976 (1.3173~ 2.4531)
NRG1	Chronic Myeloid Leukemia	Inverse variance weighted	73	0.0068	1.3027 (1.0758~ 1.5775)
NRIP1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0368	0.6504 (0.4342~ 0.9740)
NSFL1C	Chronic Myeloid Leukemia	Inverse variance weighted	64	0.0462	1.3017 (1.0044~ 1.6869)
NSUN5P1	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.2278 (0.1032~ 0.5031)
NT5E	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0462	1.3912 (1.0056~ 1.9248)

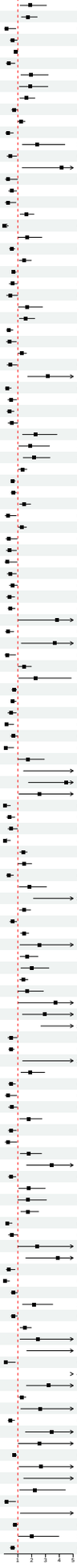
NTSR1	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0017	1.7517 (1.2353~ 2.4839)
NUCB2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0040	2.0446 (1.2560~ 3.3284)
NUDCD3	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	0.3154 (0.1884~ 0.5278)
NUDT12	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0225	1.8883 (1.0937~ 3.2603)
NUP133	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0491	1.8122 (1.0024~ 3.2762)
NUP54	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.2367 (0.1056~ 0.5302)
NVL	Chronic Myeloid Leukemia	Inverse variance weighted	24	<0.001	2.6492 (1.4995~ 4.6805)
NYNRIN	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0016	3.2148 (1.5535~ 6.6525)
OAF	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0044	2.4938 (1.3287~ 4.6806)
OBSCN	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0486	2.4311 (1.0054~ 5.8786)
OCIAD1	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0055	0.3747 (0.1872~ 0.7498)
ODF3B	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0011	0.5302 (0.3618~ 0.7769)
OLFM4	Chronic Myeloid Leukemia	Inverse variance weighted	50	0.0260	1.4075 (1.0417~ 1.9016)
OMA1	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0393	0.5868 (0.3534~ 0.9742)
OR7D2	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	0.7140 (0.5899~ 0.8642)
OSBP2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0041	0.1674 (0.0494~ 0.5675)
OSBPL8	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0333	0.7670 (0.6007~ 0.9793)
OSCAR	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0113	1.3660 (1.0732~ 1.7388)
OSGIN2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0011	2.3944 (1.4195~ 4.0390)
P2RY12	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0468	2.1880 (1.0110~ 4.7351)
P4HTM	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0054	2.0540 (1.2369~ 3.4108)
PAPD5	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0217	0.3631 (0.1529~ 0.8623)
PARL	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0067	0.2131 (0.0696~ 0.6520)
PARP12	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0335	0.1591 (0.0292~ 0.8664)
PATL2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0088	2.3445 (1.2391~ 4.4361)
PCCB	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0182	1.4852 (1.0696~ 2.0621)
PCYOX1L	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0225	1.5000 (1.0590~ 2.1246)
PDCD1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0154	0.4767 (0.2617~ 0.8682)
PDCD4	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0436	0.4922 (0.2472~ 0.9799)
PDCL3	Chronic Myeloid Leukemia	Inverse variance weighted	7	<0.001	11.3982 (3.9473~ 32.9129)
PDE1B	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0473	0.6894 (0.4773~ 0.9956)
PDE6G	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0272	0.0999 (0.0130~ 0.7711)
PDSS8	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0263	0.1567 (0.0305~ 0.8040)
PDSS1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0058	0.5338 (0.3418~ 0.8337)
PEBP1	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0041	0.5347 (0.3486~ 0.8201)
PECR	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0177	3.9283 (1.2678~ 12.1720)
PEPD	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0170	2.6727 (1.1918~ 5.9937)
PET112	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0153	1.7055 (1.1078~ 2.6258)
PEX6	Chronic Myeloid Leukemia	Inverse variance weighted	90	0.0205	1.1929 (1.0276~ 1.3848)
PFKL	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0027	0.4062 (0.2253~ 0.7323)
PFKP	Chronic Myeloid Leukemia	Inverse variance weighted	63	0.0048	0.7587 (0.6262~ 0.9193)
PGAP3	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0068	0.5582 (0.3659~ 0.8517)
PGLYRP1	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0143	1.8151 (1.1264~ 2.9250)
PGLYRP2	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0437	2.6955 (1.0285~ 7.0642)
PHF11	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0012	0.5054 (0.3343~ 0.7642)
PHF17	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	4.4209 (1.8906~ 10.3377)
PHLPP2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0011	0.4447 (0.2737~ 0.7227)
PHOSPHO1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0014	0.3425 (0.1775~ 0.6609)
PI16	Chronic Myeloid Leukemia	Inverse variance weighted	46	<0.001	0.6503 (0.5036~ 0.8399)
PI3	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0012	0.4153 (0.2439~ 0.7073)
PIAS2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0374	1.4624 (1.0224~ 2.0918)
PIGC	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0315	0.4485 (0.2160~ 0.9312)
PIGH	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0050	0.0838 (0.0148~ 0.4729)
PIGP	Chronic Myeloid Leukemia	Inverse variance weighted	62	<0.001	1.5382 (1.2312~ 1.9217)
PIGQ	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0457	1.7914 (1.0112~ 3.1736)
PIGT	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0402	3.2062 (1.0537~ 9.7558)
PILRB	Chronic Myeloid Leukemia	Inverse variance weighted	64	<0.001	1.3974 (1.1653~ 1.6758)
PION	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0248	1.3528 (1.0390~ 1.7613)
PISD	Chronic Myeloid Leukemia	Inverse variance weighted	91	0.0341	1.2210 (1.0150~ 1.4688)
PKNOX1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0025	0.1705 (0.0543~ 0.5356)
PLA2G4C	Chronic Myeloid Leukemia	Inverse variance weighted	64	0.0067	0.7833 (0.6564~ 0.9347)
PLAC9	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0021	0.6090 (0.4441~ 0.8353)
PLCG2	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0369	0.5904 (0.3599~ 0.9685)
PLCL1	Chronic Myeloid Leukemia	Inverse variance weighted	51	0.0313	0.7376 (0.5592~ 0.9731)
PLEKHA3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0100	3.0343 (1.3034~ 7.0636)
PLVAP	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	13.5832 (3.1181~ 59.1708)
PLXNB2	Chronic Myeloid Leukemia	Inverse variance weighted	18	<0.001	0.3475 (0.2070~ 0.5835)
PML	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0045	2.7545 (1.3683~ 5.5452)
PMS1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0355	1.6728 (1.0356~ 2.7021)
PMS2P3	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0244	1.2961 (1.0340~ 1.6245)
PMS2P4	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0044	0.5015 (0.3119~ 0.8066)
PMS2P5	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0024	0.5779 (0.4055~ 0.8235)
PNLDC1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0357	5.9623 (1.1266~ 31.5542)
PNMA2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0159	0.1968 (0.0525~ 0.7374)
PNMAL1	Chronic Myeloid Leukemia	Inverse variance weighted	32	<0.001	1.9644 (1.3456~ 2.8679)
PNMAL2	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0279	1.6224 (1.0540~ 2.4973)
PNP	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0022	2.1944 (1.3283~ 3.6252)
PNPLA6	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0085	4.5427 (1.4710~ 14.0288)
PNPLA8	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0271	0.4199 (0.1945~ 0.9065)
POLR2B	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0164	0.2754 (0.0960~ 0.7897)
POLR2M	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0446	2.6179 (1.0235~ 6.6957)
POM121	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0142	0.5318 (0.3210~ 0.8811)
POMC	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.4443 (0.3007~ 0.6566)
POMT2	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0283	2.3049 (1.0926~ 4.8623)
POU5F1	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0483	1.2020 (1.0014~ 1.4428)
PPA2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0025	0.3866 (0.2089~ 0.7154)
PPM1F	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0281	1.4045 (1.0372~ 1.9020)
PPP1R16A	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0298	1.5363 (1.0430~ 2.2629)
PPP1R17	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0433	0.6469 (0.4240~ 0.9871)
PPP1R26	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0199	0.1317 (0.0239~ 0.7258)
PPP1R37	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0097	1.8677 (1.1636~ 2.9978)
PPP1R3G	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0045	3.3524 (1.4550~ 7.7240)
PPP2CB	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0319	1.6805 (1.0460~ 2.7000)
PPP2R3A	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0395	0.1338 (0.0197~ 0.9082)
PPP4C	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0289	2.3008 (1.0896~ 4.8587)
PPT1	Chronic Myeloid Leukemia	Inverse variance weighted	72	0.0157	1.2869 (1.0487~ 1.5791)
PRADC1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0010	3.3204 (1.6202~ 6.8046)
PRDM15	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0220	1.9614 (1.1018~ 3.4915)
PRDX3	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0319	0.5597 (0.3294~ 0.9511)
PRG4	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0012	3.9499 (1.7151~ 9.0965)
PRKAB2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0293	1.4017 (1.0347~ 1.8989)
PRKAG3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0408	5.4616 (1.0732~ 27.7946)
PRKCDBP	Chronic Myeloid Leukemia	Inverse variance weighted	64	0.0369	1.2480 (1.0136~ 1.5366)
PRKXP1	Chronic Myeloid Leukemia	Inverse variance weighted	34	<0.001	0.7556 (0.6430~ 0.8879)
PROZ	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	4.8830 (1.9555~ 12.1934)
PRR24	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0136	1.4581 (1.0808~ 1.9672)
PSMA4	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	4.3582 (1.8532~ 10.2489)
PSMB3	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0080	0.5543 (0.3584~ 0.8572)
PSMB9	Chronic Myeloid Leukemia	Inverse variance weighted	27	<0.001	1.7196 (1.2512~ 2.3632)
PSMC6	Chronic Myeloid Leukemia	Inverse variance weighted	9	<0.001	2.2824 (1.4151~ 3.6813)
PSTPIP1	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0104	0.6706 (0.4940~ 0.9103)
PTCD1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0259	3.8870 (1.1768~ 12.8385)
PTDSS2	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0054	3.3574 (1.4303~ 7.8807)
PTGES3P1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0467	0.4646 (0.2182~ 0.9890)
PTK2	Chronic Myeloid Leukemia	Inverse variance weighted	15	<0.001	4.3786 (1.8481~ 10.3742)
PTPN1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0024	3.7629 (1.6013~ 8.8422)
PTPN12	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0065	1.5746 (1.1354~ 2.1836)
PTPN7	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0225	1.5628 (1.0650~ 2.2933)
PTPRA	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0159	2.8729 (1.2182~ 6.7753)
PTPRM	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0102	1.4990 (1.1007~ 2.0415)
PUS10	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0202	0.6254 (0.4209~ 0.9295)
PXDC1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0366	7.4513 (1.1334~ 48.9869)
PZP	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0127	0.7512 (0.5999~ 0.9407)
QRICH1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0315	0.4844 (0.2503~ 0.9377)
RAB11FIP3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0272	5.4311 (1.2093~ 24.3911)
RAB11FIP5	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0218	0.5482 (0.3279~ 0.9163)
RAB18	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0048	0.1183 (0.0268~ 0.5219)
RAB3IP	Chronic Myeloid Leukemia	Inverse variance weighted	36	<0.001	0.5200 (0.3540~ 0.7638)

RAB40C	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0359	1.7213 (0.0364~ 2.8590)
RAB7A	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0241	0.2089 (0.0536~ 0.8146)
RAB7L1	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0237	0.6103 (0.3978~ 0.9362)
RABL2B	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0426	0.6985 (0.4937~ 0.9881)
RAD51AP1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0485	6.6243 (0.0125~ 43.3392)
RAD51C	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0315	1.2459 (0.0197~ 1.5223)
RAD54B	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0264	0.5945 (0.3757~ 0.9408)
RAF1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0187	0.2578 (0.0833~ 0.7977)
RAI14	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0410	0.4830 (0.2403~ 0.9706)
RALGPS2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0499	0.1090 (0.0119~ 0.9993)
RAP2A	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0038	0.3448 (0.1677~ 0.7089)
RAPGEF1	Chronic Myeloid Leukemia	Inverse variance weighted	52	0.0017	1.5348 (1.1746~ 2.0056)
RAPGEF2	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0160	1.4971 (1.0780~ 2.0792)
RARS2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0215	2.8319 (1.1663~ 6.8759)
RASL11A	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0052	0.2354 (0.0854~ 0.6488)
RASSF4	Chronic Myeloid Leukemia	Inverse variance weighted	35	<0.001	0.4819 (0.3217~ 0.7218)
RB1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0130	4.7241 (1.3866~ 16.0949)
RBBP9	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0147	2.8824 (1.2319~ 6.7444)
RBM18	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0117	2.5468 (1.2315~ 5.2666)
RBPJ	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.3079 (0.1796~ 0.5279)
RBPMS	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0330	0.2539 (0.0720~ 0.8950)
RBPMS2	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0383	0.7438 (0.5621~ 0.9841)
RCAN1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0215	0.0615 (0.0057~ 0.6625)
RCC2P6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0191	0.1958 (0.0501~ 0.7657)
RCN2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0087	8.8652 (1.7383~ 45.2114)
RDH13	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0291	1.2366 (1.0219~ 1.4966)
RDH5	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0027	0.6841 (0.5340~ 0.8764)
REC8	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0094	3.1088 (1.3203~ 7.3204)
REEP1	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0191	1.4778 (1.0661~ 2.0485)
RETSAT	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0030	1.4244 (1.1278~ 1.7991)
RFPL2	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0082	3.0775 (1.3377~ 7.0801)
RFPL4A	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0492	0.7946 (0.6319~ 0.9992)
RGS2	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0335	3.4182 (1.1004~ 10.6178)
RHOC	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0122	2.2038 (1.1877~ 4.0891)
RIF1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0333	4.4640 (1.1255~ 17.7057)
RIPK2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0056	0.4056 (0.2141~ 0.7684)
RIT1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0128	0.4797 (0.2691~ 0.8552)
RMI2	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0043	0.6802 (0.5223~ 0.8860)
RMND1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0425	0.5481 (0.3066~ 0.9798)
RNF114	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0445	2.1758 (1.0193~ 4.6444)
RNF13	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0023	0.4974 (0.3174~ 0.7796)
RNF135	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0244	0.1960 (0.0474~ 0.8104)
RNF141	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0311	0.5466 (0.3157~ 0.9465)
RNF144A	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0121	0.2387 (0.0780~ 0.7305)
RNF150	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0232	1.4364 (1.0507~ 1.9638)
RNF182	Chronic Myeloid Leukemia	Inverse variance weighted	53	<0.001	1.4536 (1.2234~ 1.7270)
RNF187	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0077	2.3216 (1.2500~ 4.3118)
RNF207	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0193	0.4019 (0.1873~ 0.8625)
RNF216	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0013	3.3396 (1.5983~ 6.9777)
RNF7	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0083	0.3606 (0.1691~ 0.7689)
RNGTT	Chronic Myeloid Leukemia	Inverse variance weighted	32	<0.001	1.9632 (1.3581~ 2.8380)
RNPEP	Chronic Myeloid Leukemia	Inverse variance weighted	69	0.0303	1.2047 (1.0179~ 1.4258)
RNPS1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0133	2.3977 (1.2002~ 4.7900)
RNY3P8	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0419	0.6511 (0.4307~ 0.9844)
ROBO3	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0102	0.7133 (0.5513~ 0.9230)
RP1−167A14.2	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0319	1.3002 (1.0230~ 1.6527)
RP1−29C18.8	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.6038 (0.4616~ 0.7899)
RP1−34L19.1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0285	1.5394 (1.0465~ 2.2646)
RP1−68D18.4	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0113	1.6040 (1.1131~ 2.3113)
RP1−80B9.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	2.8301 (1.5766~ 5.0801)
RP1−80N2.2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0062	0.6106 (0.4288~ 0.8694)
RP1−80N2.3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0092	0.5951 (0.4026~ 0.8795)
RP1−90L6.3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0318	0.6534 (0.4430~ 0.9636)
RP11−1018N14.5	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0432	0.8058 (0.6536~ 0.9934)
RP11−1026M7.2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0373	1.5621 (1.0266~ 2.3770)
RP11−1038A11.3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0264	0.5768 (0.3549~ 0.9374)
RP11−104L21.2	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	1.9820 (1.4385~ 2.7310)
RP11−1055B8.4	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0373	0.8110 (0.6659~ 0.9878)
RP11−1094M14.5	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0385	1.4181 (1.0187~ 1.9741)
RP11−109N23.6	Chronic Myeloid Leukemia	Inverse variance weighted	27	<0.001	0.6497 (0.5094~ 0.8287)
RP11−1149M10.2	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0049	1.4203 (1.1125~ 1.8134)
RP11−119F19.2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0347	0.7963 (0.6445~ 0.9838)
RP11−156P1.3	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0050	0.7613 (0.6293~ 0.9209)
RP11−15H20.5	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0164	0.6915 (0.5117~ 0.9345)
RP11−168O16.1	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0136	1.5809 (1.0988~ 2.2744)
RP11−182I10.3	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0016	2.2985 (1.3727~ 3.8487)
RP11−18I14.7	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	1.3952 (1.1498~ 1.6928)
RP11−195E2.1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0381	0.7788 (0.6149~ 0.9863)
RP11−195E2.4	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0419	0.7941 (0.6359~ 0.9916)
RP11−206L10.11	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0071	2.1810 (1.2364~ 3.8474)
RP11−219E7.1	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0050	0.7831 (0.6601~ 0.9291)
RP11−234K19.2	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0376	0.8249 (0.6881~ 0.9890)
RP11−248C1.2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0089	0.7626 (0.6224~ 0.9344)
RP11−252K23.2	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0056	0.7457 (0.6057~ 0.9179)
RP11−261C10.7	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0387	1.3185 (1.0145~ 1.7136)
RP11−266L9.6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0480	0.4115 (0.1707~ 0.9924)
RP11−297B17.3	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0245	1.5704 (1.0598~ 2.3270)
RP11−31F19.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0488	1.6835 (1.0028~ 2.8262)
RP11−322M19.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0346	1.9267 (1.0485~ 3.5405)
RP11−324O2.3	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0078	0.4904 (0.2902~ 0.8286)
RP11−33B1.1	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	0.5014 (0.3529~ 0.7123)
RP11−33B1.2	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0293	1.2551 (1.0231~ 1.5396)
RP11−33B1.4	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0415	1.2182 (1.0076~ 1.4727)
RP11−342D11.3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0311	0.6287 (0.4123~ 0.9587)
RP11−345J4.8	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0044	0.5339 (0.3467~ 0.8223)
RP11−358M11.2	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0238	0.7349 (0.5626~ 0.9599)
RP11−370I10.4	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0338	1.1753 (1.0125~ 1.3643)
RP11−37B2.1	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0134	1.4277 (1.0765~ 1.8936)
RP11−383H13.1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0178	1.7329 (1.0999~ 2.7303)
RP11−384K6.2	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0094	0.7876 (0.6577~ 0.9431)
RP11−384K6.6	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0295	0.7967 (0.6492~ 0.9776)
RP11−403A21.2	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0380	0.7890 (0.6307~ 0.9870)
RP11−420G6.4	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0358	0.7563 (0.5827~ 0.9817)
RP11−424I19.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.1939 (0.0864~ 0.4351)
RP11−426C22.4	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0372	1.7699 (1.0345~ 3.0283)
RP11−428G5.5	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0322	0.7521 (0.5794~ 0.9761)
RP11−430H10.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0191	0.5597 (0.3444~ 0.9095)
RP11−434D12.1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0020	0.5669 (0.3955~ 0.8125)
RP11−439C15.4	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0044	1.7436 (1.1888~ 2.5573)
RP11−439E19.3	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0089	3.3923 (1.3577~ 8.4760)
RP11−443P15.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0137	5.6260 (1.4247~ 22.2164)
RP11−461A8.4	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0184	0.6933 (0.5113~ 0.9401)
RP11−464D20.6	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0014	0.5450 (0.3753~ 0.7916)
RP11−466P24.6	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0140	0.5966 (0.3952~ 0.9006)
RP11−473M20.11	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0495	1.4990 (1.0008~ 2.2451)
RP11−473M20.14	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0094	3.5829 (1.3678~ 9.3854)
RP11−47I22.2	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0183	1.5163 (1.0730~ 2.1427)
RP11−47L3.1	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0224	1.4151 (1.0505~ 1.9063)
RP11−488L18.4	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0025	0.4116 (0.2315~ 0.7320)
RP11−488L18.8	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0040	2.3241 (1.3093~ 4.1254)
RP11−492E3.51	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0431	2.1328 (1.0239~ 4.4426)
RP11−493L12.5	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0043	0.6188 (0.4450~ 0.8605)
RP11−497H16.4	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0081	0.6429 (0.4636~ 0.8914)
RP11−497H16.7	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0114	0.4672 (0.2591~ 0.8423)
RP11−497H17.1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0302	0.6230 (0.4062~ 0.9556)
RP11−4C20.4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0096	3.1299 (1.3201~ 7.4209)
RP11−521C20.4	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0106	1.4711 (1.0940~ 1.9783)
RP11−523O18.5	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0047	0.5396 (0.3518~ 0.8277)
RP11−526I2.5	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0172	0.8610 (0.7612~ 0.9738)
RP11−53B2.5	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0469	0.6411 (0.4135~ 0.9939)
RP11−545I5.3	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0186	1.5110 (1.0716~ 2.1306)
RP11−550I24.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0025	2.4947 (1.3781~ 4.5161)
RP11−551L14.1	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.2979 (0.1672~ 0.5308)
RP11−563N6.6	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0015	0.3922 (0.2203~ 0.6981)
RP11−57H12.5	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0367	0.5050 (0.2660~ 0.9588)
RP11−597D13.7	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0416	3.0529 (1.0434~ 8.9324)
RP11−597D13.9	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0058	1.4524 (1.1140~ 1.8936)
RP11−613M10.6	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0171	0.5286 (0.3130~ 0.8929)
RP11−61O1.1	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	0.4377 (0.2730~ 0.7019)
RP11−629O1.2	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0306	0.5162 (0.2835~ 0.9401)
RP11−638I2.10	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0416	1.4706 (1.0148~ 2.1310)
RP11−644F5.10	Chronic Myeloid Leukemia	Inverse variance weighted	53	<0.001	0.6109 (0.4778~ 0.7812)
RP11−673E1.3	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0026	1.2828 (1.0908~ 1.5087)
RP11−677C1.2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0253	0.4458 (0.2196~ 0.9049)

RP11−692N5.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0038	2.2850 (1.3050− 4.0009)
RP11−695J4.2	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0164	2.4040 (1.1742− 4.9222)
RP11−701H24.2	Chronic Myeloid Leukemia	Inverse variance weighted	4	<0.001	0.3412 (0.1809− 0.6434)
RP11−70C1.1	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0414	1.2752 (1.0095− 1.6108)
RP11−723O4.2	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0048	0.2754 (0.1124− 0.6747)
RP11−723O4.9	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0024	0.6857 (0.5374− 0.8750)
RP11−726G1.1	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0058	0.8001 (0.6829− 0.9373)
RP11−734I18.1	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0094	1.2693 (1.0603− 1.5195)
RP11−747H7.3	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0374	0.6074 (0.3798− 0.9713)
RP11−779O18.3	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0279	0.5394 (0.3112− 0.9350)
RP11−815M8.1	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0033	1.4705 (1.1368− 1.9021)
RP11−81H14.2	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0285	1.1893 (1.0184− 1.3889)
RP11−830F9.6	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0096	0.3907 (0.1918− 0.7957)
RP11−849F2.8	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0062	1.3599 (1.0912− 1.6947)
RP11−876N24.5	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0367	0.3772 (0.1511− 0.9418)
RP11−893F2.9	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0364	0.7897 (0.6329− 0.9852)
RP11−960L18.1	Chronic Myeloid Leukemia	Inverse variance weighted	17	<0.001	1.7376 (1.3554− 2.2275)
RP13−578N3.3	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	1.4237 (1.1811− 1.7162)
RP13−753N3.1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0342	1.9255 (1.0501− 3.5306)
RP3−395M20.9	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0275	1.5966 (1.0532− 2.4202)
RP3−430N8.8	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0316	0.7340 (0.5537− 0.9730)
RP3−462E2.3	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0112	0.4093 (0.2052− 0.8164)
RP3−477O4.16	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0353	1.6318 (1.0344− 2.5743)
RP4−555D20.2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0044	0.2139 (0.0741− 0.6178)
RP4−564F22.5	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0019	1.3866 (1.1284− 1.7038)
RP4−575N6.4	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0254	2.2740 (1.1067− 4.6724)
RP4−576H24.2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0170	0.3848 (0.1756− 0.8432)
RP4−612B15.3	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0313	3.1126 (1.1075− 8.7476)
RP4−613B23.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0097	2.5747 (1.2568− 5.2743)
RP4−730K3.3	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0278	2.2642 (1.0931− 4.6896)
RP4−753D10.5	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	1.8266 (1.3474− 2.4762)
RP4−798C17.6	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0439	1.5689 (1.0125− 2.4311)
RP4−803A2.1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0289	1.5801 (1.0482− 2.3819)
RP5−1125A11.1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0390	2.2622 (1.0420− 4.9110)
RP5−943J3.1	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0038	1.2972 (1.0874− 1.5474)
RP6−65G23.1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0091	2.1915 (1.2157− 3.9505)
RPA2	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0113	1.5675 (1.1070− 2.2195)
RPF1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0026	0.1816 (0.0598− 0.5513)
RPIA	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0056	0.4475 (0.2532− 0.7908)
RPL13	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0039	1.7969 (1.2064− 2.6764)
RPL36AL	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.6243 (0.4813− 0.8099)
RPL4P1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0057	2.4089 (1.2915− 4.4930)
RPP14	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0215	0.1087 (0.0164− 0.7213)
RPP25L	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0040	0.5192 (0.3324− 0.8109)
RPP38	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0021	0.2733 (0.1195− 0.6252)
RPP40	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0224	1.9707 (1.1010− 3.5274)
RPS29	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0117	0.3564 (0.1598− 0.7950)
RPS5	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0472	1.2788 (1.0030− 1.6306)
RPS6KB2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0073	0.5705 (0.3787− 0.8596)
RPS8	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0095	1.7323 (1.1438− 2.6235)
RQCD1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0133	0.7469 (0.5928− 0.9411)
RRAGD	Chronic Myeloid Leukemia	Inverse variance weighted	59	<0.001	0.4712 (0.3599− 0.6169)
RRM2B	Chronic Myeloid Leukemia	Inverse variance weighted	11	<0.001	0.2679 (0.1240− 0.5788)
RRN3P1	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0024	0.6676 (0.5141− 0.8669)
RRP15	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0055	0.4259 (0.2332− 0.7780)
RRP1B	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0420	3.1306 (1.0419− 9.4066)
RRP7A	Chronic Myeloid Leukemia	Inverse variance weighted	57	0.0432	1.2595 (1.0071− 1.5752)
RSAD1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0010	3.1440 (1.5877− 6.2261)
RSU1	Chronic Myeloid Leukemia	Inverse variance weighted	58	0.0307	1.3700 (1.0297− 1.8229)
RUNDC3A	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0256	0.5825 (0.3624− 0.9363)
S100PBP	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0193	1.6834 (1.0881− 2.6045)
SAP30L	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0178	3.4468 (1.2386− 9.5920)
SARS2	Chronic Myeloid Leukemia	Inverse variance weighted	61	<0.001	1.7787 (1.4440− 2.1910)
SASS6	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0087	4.2880 (1.4443− 12.7306)
SBF1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0012	2.0041 (1.3169− 3.0499)
SCAPER	Chronic Myeloid Leukemia	Inverse variance weighted	61	<0.001	0.6117 (0.4847− 0.7720)
SCGB1C1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0238	1.3580 (1.0415− 1.7706)
SCML4	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	0.4950 (0.3586− 0.6833)
SCN2B	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0189	0.1518 (0.0315− 0.7323)
SCN9A	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0390	0.5942 (0.3624− 0.9741)
SCP2	Chronic Myeloid Leukemia	Inverse variance weighted	60	0.0063	1.3011 (1.0772− 1.5715)
SCRN3	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0036	0.1156 (0.0270− 0.4943)
SCYL3	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0288	0.4467 (0.2170− 0.9199)
SDAD1P1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0103	1.4522 (1.0921− 1.9310)
SDCCAG3	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0124	0.6792 (0.5015− 0.9198)
SDCCAG8	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0054	1.5307 (1.1338− 2.0664)
SDHAP1	Chronic Myeloid Leukemia	Inverse variance weighted	40	<0.001	0.6525 (0.5369− 0.7931)
SEC14L3	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0362	2.1185 (1.0496− 4.2762)
SEC23IP	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0400	8.6974 (1.1034− 68.5545)
SEC1SBP2	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0091	1.9225 (1.1767− 3.1409)
SELRC1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0168	2.6967 (1.1959− 6.0806)
SEMA4A	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0388	1.3129 (1.0140− 1.6999)
SEMA4B	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0058	2.4022 (1.2884− 4.4789)
SEMG1	Chronic Myeloid Leukemia	Inverse variance weighted	10	<0.001	0.2442 (0.1197− 0.4984)
SENP7	Chronic Myeloid Leukemia	Inverse variance weighted	54	<0.001	0.5608 (0.4380− 0.7181)
SEPT11	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0094	0.4432 (0.2399− 0.8188)
SERPINB1	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	2.2314 (1.3874− 3.5887)
SERPINB9	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0082	0.6514 (0.4741− 0.8951)
SETD9	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0283	0.7657 (0.6032− 0.9720)
SETDB1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0300	0.2322 (0.0621− 0.8681)
SETDB2	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0287	2.1347 (1.0822− 4.2105)
SF3A1	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0087	1.5416 (1.1156− 2.1303)
SFXN4	Chronic Myeloid Leukemia	Inverse variance weighted	66	<0.001	0.6575 (0.5269− 0.8205)
SGTB	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0420	0.6685 (0.4534− 0.9855)
SH2D4A	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0182	8.6768 (1.4440− 52.1368)
SH3BP5L	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0146	3.6761 (1.2927− 10.4538)
SH3GLB2	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0303	1.4696 (1.0373− 2.0819)
SH3PXD2A	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0010	2.0030 (1.3230− 3.0326)
SH3PXD2B	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0033	0.3244 (0.1532− 0.6869)
SH3TC1	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0178	1.7485 (1.1014− 2.7759)
SHROOM1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0340	1.7862 (1.0449− 3.0533)
SIDT1	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0132	1.6377 (1.1087− 2.4191)
SIGLEC17P	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0027	7.9933 (2.0533− 31.1177)
SIGLEC18P	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	0.3981 (0.2341− 0.6770)
SIGLEC7	Chronic Myeloid Leukemia	Inverse variance weighted	11	<0.001	4.8913 (2.0874− 11.4619)
SIGLEC9	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0295	3.7814 (1.1420− 12.5212)
SIN3B	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0114	1.8913 (1.1547− 3.0978)
SIPA1L2	Chronic Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.5426 (0.3791− 0.7765)
SIRPB1	Chronic Myeloid Leukemia	Inverse variance weighted	82	<0.001	1.4771 (1.2340− 1.7679)
SIRPD	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0185	2.0710 (1.1299− 3.7959)
SIRPG	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0029	1.9255 (1.2516− 2.9622)
SLBP	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0189	2.2533 (1.1438− 4.4392)
SLC14A1	Chronic Myeloid Leukemia	Inverse variance weighted	29	<0.001	2.2646 (1.4022− 3.6572)
SLC1A4	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0360	0.5487 (0.3131− 0.9615)
SLC22A18	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	2.2207 (1.4465− 3.4091)
SLC22A18AS	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0203	1.4008 (1.0537− 1.8623)
SLC22A4	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0017	0.5892 (0.4237− 0.8193)
SLC22A5	Chronic Myeloid Leukemia	Inverse variance weighted	79	0.0043	0.7726 (0.6471− 0.9224)
SLC23A2	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0231	0.2191 (0.0591− 0.8116)
SLC24A1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0418	0.1540 (0.0254− 0.9333)
SLC25A16	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0098	1.7767 (1.1486− 2.7483)
SLC25A37	Chronic Myeloid Leukemia	Inverse variance weighted	42	<0.001	0.5627 (0.4155− 0.7621)
SLC27A1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0306	0.4880 (0.2547− 0.9350)
SLC27A5	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0209	8.6628 (1.3872− 54.0960)
SLC2A14	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0089	0.6580 (0.4809− 0.9005)
SLC35A5	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0057	2.4825 (1.3036− 4.7273)
SLC35D3	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0032	0.4421 (0.2571− 0.7600)
SLC35E4	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0239	4.8162 (1.2307− 18.8466)
SLC39A1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0011	2.8890 (1.5310− 5.4513)
SLC46A2	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0229	0.6684 (0.4725− 0.9456)
SLC5A3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0017	4.9202 (1.8142− 13.3439)
SLC7A1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0362	0.5978 (0.3694− 0.9674)
SLC7A6	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0032	1.5968 (1.1699− 2.1794)
SLC7A8	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0075	1.4830 (1.1109− 1.9796)
SLC9A1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0145	0.1292 (0.0250− 0.6661)
SLFN11	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0195	2.2854 (1.1423− 4.5725)
SLFN5	Chronic Myeloid Leukemia	Inverse variance weighted	50	0.0217	0.7355 (0.5658− 0.9561)
SLPI	Chronic Myeloid Leukemia	Inverse variance weighted	7	<0.001	0.2203 (0.0922− 0.5260)
SLX4IP	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0028	4.0703 (1.6200− 10.2268)
SMAD5	Chronic Myeloid Leukemia	Inverse variance weighted	55	0.0251	0.7292 (0.5531− 0.9612)
SMAGP	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0234	0.3969 (0.1785− 0.8825)
SMARCA4	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0105	4.1366 (1.3935− 12.2791)
SMC2	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0064	2.9104 (1.3503− 6.2732)
SMC6	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0035	1.5418 (1.1530− 2.0618)
SMIM14	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0353	2.3388 (1.0605− 5.1584)
SMPDL3B	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0143	4.8781 (1.3735− 17.3249)
SMTNL1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0327	1.9987 (1.0587− 3.7734)
SMYD3	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0413	1.8812 (1.0252− 3.4517)
SMYD4	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0117	0.4030 (0.1988− 0.8170)
SNAI3−AS1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0169	1.4662 (1.0710− 2.0071)
SNCA	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0247	2.1690 (1.1039− 4.2617)

SNORD12B	Chronic Myeloid Leukemia	Inverse variance weighted	23	<0.001	0.6309 (0.4925~ 0.8084)
SNRNP27	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0054	1.6390 (1.1569~ 2.3219)
SNRNP40	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0147	0.3255 (0.1321~ 0.8021)
SNRPB2	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0178	0.5335 (0.3173~ 0.8972)
SNTB1	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0357	2.7857 (1.0710~ 7.2455)
SNW1	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	0.2829 (0.1498~ 0.5342)
SNX33	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0453	3.5716 (1.0269~ 12.4228)
SNX6	Chronic Myeloid Leukemia	Inverse variance weighted	26	<0.001	0.4990 (0.3316~ 0.7509)
SOCS2	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0211	2.0020 (1.1097~ 3.6118)
SOCS6	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0023	7.9394 (2.0931~ 30.1146)
SOD2	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0204	1.4984 (1.0645~ 2.1093)
SOLH	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0327	1.7181 (1.0454~ 2.8236)
SPAG7	Chronic Myeloid Leukemia	Inverse variance weighted	31	<0.001	0.5879 (0.4431~ 0.7798)
SPATA18	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0273	0.3459 (0.1348~ 0.8877)
SPATA20	Chronic Myeloid Leukemia	Inverse variance weighted	108	0.0169	1.1893 (1.0316~ 1.3711)
SPDL1	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0023	0.5483 (0.3724~ 0.8072)
SPDYC	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0464	1.3531 (1.0048~ 1.8221)
SPECC1L	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0081	0.4714 (0.2701~ 0.8227)
SPEF2	Chronic Myeloid Leukemia	Inverse variance weighted	9	<0.001	7.4230 (2.5691~ 21.4478)
SPOCK2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0016	0.2965 (0.1392~ 0.6317)
SPON2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0033	0.2599 (0.1059~ 0.6380)
SPPL2A	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0487	0.6125 (0.3762~ 0.9972)
SPRED1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0256	0.2446 (0.0710~ 0.8421)
SPRED2	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0238	0.3013 (0.1065~ 0.8527)
SRD5A3~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0024	1.5836 (1.1772~ 2.1302)
SRD5A3	Chronic Myeloid Leukemia	Inverse variance weighted	47	0.0033	1.5513 (1.1572~ 2.0796)
SRSF6	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0217	10.6175 (1.4134~ 79.7569)
SSC5D	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0079	3.7550 (1.4145~ 9.9686)
ST3GAL6	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0194	0.5274 (0.3085~ 0.9016)
STAG3	Chronic Myeloid Leukemia	Inverse variance weighted	43	<0.001	0.5806 (0.4229~ 0.7970)
STARD10	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0163	1.3574 (1.0580~ 1.7415)
STARD3	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0409	0.2220 (0.0524~ 0.9398)
STARD4	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0483	0.3787 (0.1444~ 0.9929)
STIM1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0442	2.7110 (1.0260~ 7.1632)
STIM2	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0174	0.5818 (0.3723~ 0.9090)
STOML1	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0017	2.2404 (1.3524~ 3.7117)
STX11	Chronic Myeloid Leukemia	Inverse variance weighted	3	<0.001	10.0588 (2.6401~ 38.3247)
STXBP4	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0040	2.4162 (1.3251~ 4.4057)
SUMF1	Chronic Myeloid Leukemia	Inverse variance weighted	53	0.0490	0.7589 (0.5766~ 0.9988)
SUOX	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0057	1.9413 (1.2128~ 3.1073)
SUPT20H	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0346	1.6750 (1.0380~ 2.7028)
SUPT4H1	Chronic Myeloid Leukemia	Inverse variance weighted	31	0.0170	0.6560 (0.4640~ 0.9274)
SUZ12P	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0383	0.6913 (0.4875~ 0.9803)
SYCP2L	Chronic Myeloid Leukemia	Inverse variance weighted	38	0.0234	0.7221 (0.5450~ 0.9568)
SYNGR1	Chronic Myeloid Leukemia	Inverse variance weighted	46	0.0352	1.2989 (1.0183~ 1.6568)
SYNJ2	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0163	1.3796 (1.0610~ 1.7939)
SYPL1	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0192	6.0233 (1.3397~ 27.0814)
SYT1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0218	0.2464 (0.0744~ 0.8159)
SYT11	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0327	0.3665 (0.1459~ 0.9209)
TACC3	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0269	1.3363 (1.0337~ 1.7275)
TACSTD2	Chronic Myeloid Leukemia	Inverse variance weighted	57	0.0094	0.7676 (0.6288~ 0.9371)
TADA2B	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0060	2.1501 (1.2448~ 3.7135)
TANGO6	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0420	0.4339 (0.1940~ 0.9702)
TAP2	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0064	0.7046 (0.5477~ 0.9065)
TAS2R5	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0048	2.9301 (1.3880~ 6.1855)
TBC1D4	Chronic Myeloid Leukemia	Inverse variance weighted	48	<0.001	1.7420 (1.2904~ 2.3516)
TBCD	Chronic Myeloid Leukemia	Inverse variance weighted	43	<0.001	0.6411 (0.5081~ 0.8090)
TBXAS1	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0049	0.5083 (0.3171~ 0.8148)
TCEB3	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0020	0.5639 (0.3921~ 0.8110)
TCF4	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0074	15.6590 (2.0904~117.3025)
TCL1B	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0021	2.4053 (1.3737~ 4.2116)
TCN2	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0083	1.6042 (1.1296~ 2.2782)
TCP11L2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0243	0.6064 (0.3925~ 0.9370)
TCTN3	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0175	0.5685 (0.3567~ 0.9060)
TEC	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0147	8.4923 (1.5223~ 47.3755)
TEFM	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0184	0.6398 (0.4413~ 0.9276)
TFEC	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0152	0.1386 (0.0281~ 0.6833)
TGS1	Chronic Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.4078 (0.2635~ 0.6312)
THBD	Chronic Myeloid Leukemia	Inverse variance weighted	19	<0.001	2.1935 (1.4268~ 3.3720)
THBS3	Chronic Myeloid Leukemia	Inverse variance weighted	58	<0.001	1.5481 (1.2091~ 1.9821)
TIA1	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0320	2.0611 (1.0642~ 3.9918)
TIGD2	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0322	2.8053 (1.0914~ 7.2102)
TLR1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0458	0.4702 (0.2242~ 0.9861)
TLR10	Chronic Myeloid Leukemia	Inverse variance weighted	6	<0.001	0.0912 (0.0249~ 0.3347)
TM7SF2	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0281	0.4785 (0.2478~ 0.9238)
TM7SF3	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0390	0.5302 (0.2903~ 0.9686)
TMCC3	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0174	1.9973 (1.1295~ 3.5317)
TMEM106B	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0221	0.3664 (0.1550~ 0.8660)
TMEM107	Chronic Myeloid Leukemia	Inverse variance weighted	42	0.0027	0.6079 (0.4390~ 0.8417)
TMEM116	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0012	0.5479 (0.3805~ 0.7891)
TMEM135	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0428	6.5398 (1.0627~ 40.2475)
TMEM144	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0056	1.5404 (1.1350~ 2.0907)
TMEM158	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0465	1.8411 (1.0094~ 3.3580)
TMEM176A	Chronic Myeloid Leukemia	Inverse variance weighted	100	<0.001	0.7653 (0.6749~ 0.8678)
TMEM176B	Chronic Myeloid Leukemia	Inverse variance weighted	67	<0.001	0.7791 (0.6907~ 0.8789)
TMEM2	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0151	0.2651 (0.0909~ 0.7731)
TMEM230	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0044	0.6287 (0.4569~ 0.8650)
TMEM41B	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0248	0.7842 (0.6342~ 0.9697)
TMEM43	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0144	3.2057 (1.2611~ 8.1491)
TMEM50A	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0376	1.3146 (1.0158~ 1.7012)
TMEM63A	Chronic Myeloid Leukemia	Inverse variance weighted	41	0.0286	0.6840 (0.4868~ 0.9612)
TMEM68	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0029	0.0963 (0.0206~ 0.4492)
TMEM71	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0486	0.6397 (0.4104~ 0.9972)
TMEM99	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0154	0.6494 (0.4580~ 0.9208)
TMEM9B	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0304	1.5980 (1.0453~ 2.4430)
TMIE	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0258	4.5045 (1.1989~ 16.9243)
TNIP1	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0421	2.2407 (1.0291~ 4.8789)
TNNC2	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0335	1.7976 (1.0468~ 3.0870)
TNNT1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0493	0.7726 (0.5974~ 0.9992)
TNNT3	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0032	0.5911 (0.4168~ 0.8384)
TOMM40L	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0017	0.5389 (0.3662~ 0.7929)
TOMM5	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0171	1.9095 (1.1221~ 3.2495)
TOP1MT	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0134	0.2577 (0.0879~ 0.7550)
TPGS2	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0329	0.6873 (0.4869~ 0.9701)
TPK1	Chronic Myeloid Leukemia	Inverse variance weighted	32	0.0185	1.5868 (1.0804~ 2.3305)
TPM3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0487	2.8685 (1.0061~ 8.1778)
TPR	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0296	2.3057 (1.0862~ 4.8944)
TRAC	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0471	2.2507 (1.0103~ 5.0139)
TRAF3IP3	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0074	1.7607 (1.1638~ 2.6635)
TRAM1	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0165	2.3689 (1.1708~ 4.7932)
TRAM2	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0021	0.5328 (0.3569~ 0.7954)
TRAP1	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0072	0.6473 (0.4712~ 0.8892)
TRAV14DV4	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0201	0.7360 (0.5683~ 0.9531)
TRAV20	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0167	3.0938 (1.2273~ 7.7986)
TRAV21	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0203	10.4914 (1.4402~ 76.4256)
TRAV27	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0156	0.4278 (0.2150~ 0.8514)
TRAV38~1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0443	1.3131 (1.0070~ 1.7122)
TRAV4	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0011	1.6839 (1.2326~ 2.3006)
TRAV8~1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0363	0.6438 (0.4263~ 0.9723)
TRBV5~4	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0031	0.5405 (0.3594~ 0.8127)
TRBV6~6	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0032	0.4464 (0.2612~ 0.7629)
TRBV6~7	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0101	0.7334 (0.5791~ 0.9288)
TRBV6~8	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0037	0.6288 (0.4599~ 0.8599)
TRDMT1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0461	0.4640 (0.2182~ 0.9869)
TREX1	Chronic Myeloid Leukemia	Inverse variance weighted	19	0.0113	0.5920 (0.3945~ 0.8883)
TRGV3	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0493	0.8605 (0.7407~ 0.9996)
TRGV4	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0042	0.8335 (0.7359~ 0.9441)
TRGV5	Chronic Myeloid Leukemia	Inverse variance weighted	37	0.0029	0.8153 (0.7128~ 0.9326)
TRGV5P	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0325	0.8685 (0.7632~ 0.9883)
TRIM27	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0239	1.6409 (1.0678~ 2.5216)
TRIM28	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0079	7.1470 (1.6729~ 30.5339)
TRIM37	Chronic Myeloid Leukemia	Inverse variance weighted	55	0.0195	1.3497 (1.0495~ 1.7359)
TRIM59	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0394	3.1048 (1.0568~ 9.1222)
TRIM8	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0161	0.4717 (0.2557~ 0.8700)
TRIOBP	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0046	1.4642 (1.1249~ 1.9058)
TRIP4	Chronic Myeloid Leukemia	Inverse variance weighted	22	<0.001	0.3385 (0.2041~ 0.5614)
TRIP6	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0118	1.8325 (1.1434~ 2.9369)
TRMT10B	Chronic Myeloid Leukemia	Inverse variance weighted	27	<0.001	0.5188 (0.3677~ 0.7320)
TRMT112	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0167	0.5983 (0.3928~ 0.9114)
TRMT1L	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0492	0.3072 (0.0948~ 0.9960)
TRMT61B	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0178	2.3072 (1.1554~ 4.6074)
TRPC1	Chronic Myeloid Leukemia	Inverse variance weighted	5	<0.001	16.7267 (3.3622~ 83.2140)
TRPM2	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0336	2.4354 (1.0713~ 5.5366)
TRPV5	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0123	0.7181 (0.5541~ 0.9307)
TSC22D2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0015	3.6054 (1.6369~ 7.9415)
TSC22D4	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0315	3.0129 (1.1027~ 8.2321)
TSEN15	Chronic Myeloid Leukemia	Inverse variance weighted	16	<0.001	3.9427 (2.1380~ 7.2708)
TSEN2	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0198	1.5764 (1.0751~ 2.3114)
TSPAN17	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0242	2.8858 (1.1481~ 7.2537)
TSPAN4	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0338	1.5391 (1.0335~ 2.2920)
TSPO	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0078	0.5348 (0.3372~ 0.8483)
TTC23	Chronic Myeloid Leukemia	Inverse variance weighted	29	0.0010	0.4987 (0.3290~ 0.7559)

TTC27	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0097	1.8943 (1.1671~ 3.0746)
TTC9	Chronic Myeloid Leukemia	Inverse variance weighted	41	<0.001	1.7412 (1.2608~ 2.4045)
TTL	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0314	0.1808 (0.0381~ 0.8583)
TTLL3	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0273	0.6517 (0.4456~ 0.9532)
TUFM	Chronic Myeloid Leukemia	Inverse variance weighted	82	0.0489	0.8642 (0.7473~ 0.9993)
TULP4	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0112	0.3581 (0.1619~ 0.7922)
TXN	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0052	1.9802 (1.2257~ 3.1991)
TYSND1	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0178	1.8820 (1.1154~ 3.1755)
TYW1	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0055	1.6034 (1.1485~ 2.2383)
U2AF1L4	Chronic Myeloid Leukemia	Inverse variance weighted	48	0.0315	0.7296 (0.5474~ 0.9724)
U7	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0402	1.2408 (1.0097~ 1.5248)
UACA	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0048	0.2789 (0.1148~ 0.6776)
UBA52	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0041	2.4127 (1.3220~ 4.4032)
UBAC2~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0288	0.4524 (0.2221~ 0.9214)
UBAC2	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0153	4.1763 (1.3152~ 13.2618)
UBAP1	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0462	0.3146 (0.1010~ 0.9805)
UBAP1L	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0223	0.5553 (0.3352~ 0.9198)
UBASH3B	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0264	0.2841 (0.0935~ 0.8630)
UBE2L3	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0031	1.5944 (1.1704~ 2.1721)
UBIAD1	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0020	0.0419 (0.0056~ 0.3127)
UBR7	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0394	1.6766 (1.0255~ 2.7411)
UCKL1	Chronic Myeloid Leukemia	Inverse variance weighted	38	<0.001	0.5535 (0.3935~ 0.7786)
UCP2	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0094	1.4756 (1.1001~ 1.9792)
UGDH	Chronic Myeloid Leukemia	Inverse variance weighted	77	0.0020	0.7067 (0.5671~ 0.8807)
UIMC1	Chronic Myeloid Leukemia	Inverse variance weighted	27	0.0308	0.6035 (0.3816~ 0.9545)
ULK2	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0475	0.4353 (0.1912~ 0.9909)
UNC119B	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0355	1.6994 (1.0365~ 2.7863)
UROD	Chronic Myeloid Leukemia	Inverse variance weighted	44	0.0089	1.5806 (1.1215~ 2.2276)
USP22	Chronic Myeloid Leukemia	Inverse variance weighted	14	<0.001	0.3516 (0.1894~ 0.6526)
USP6NL	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0254	0.3986 (0.1779~ 0.8929)
VAMP1	Chronic Myeloid Leukemia	Inverse variance weighted	43	0.0271	1.2942 (1.0297~ 1.6267)
VCAM1	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0318	0.4549 (0.2216~ 0.9338)
VDR	Chronic Myeloid Leukemia	Inverse variance weighted	21	<0.001	3.1562 (1.7097~ 5.8263)
VGLL4	Chronic Myeloid Leukemia	Inverse variance weighted	9	<0.001	0.2217 (0.0938~ 0.5240)
VIL1	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0233	0.5058 (0.2807~ 0.9115)
VIM	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0027	0.3929 (0.2133~ 0.7236)
VIT	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0475	0.5498 (0.3042~ 0.9936)
VMO1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0022	2.2669 (1.3413~ 3.8311)
VRK2	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0276	1.8789 (1.0721~ 3.2928)
VWA5A	Chronic Myeloid Leukemia	Inverse variance weighted	33	<0.001	2.1475 (1.3866~ 3.3260)
WARS	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0154	1.3216 (1.0548~ 1.6560)
WARS2	Chronic Myeloid Leukemia	Inverse variance weighted	60	<0.001	0.6307 (0.4871~ 0.8167)
WDFY4	Chronic Myeloid Leukemia	Inverse variance weighted	28	0.0069	0.6760 (0.5090~ 0.8979)
WDR18	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0046	1.4745 (1.1272~ 1.9288)
WDR35	Chronic Myeloid Leukemia	Inverse variance weighted	9	0.0299	0.2801 (0.0888~ 0.8834)
WDR41	Chronic Myeloid Leukemia	Inverse variance weighted	59	0.0153	1.3095 (1.0530~ 1.6285)
WDR52	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0402	0.3595 (0.1353~ 0.9554)
WDR67	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0282	0.3889 (0.1673~ 0.9040)
WDR7	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0424	0.2428 (0.0619~ 0.9524)
WFDC3	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0227	0.4618 (0.2376~ 0.8975)
WHAMM	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0394	0.6187 (0.3919~ 0.9770)
WNT5B	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0075	0.3867 (0.1926~ 0.7762)
WTAP	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0050	0.4848 (0.2923~ 0.8041)
XCR1	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0446	3.8229 (1.0331~ 14.1465)
XKR6	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0077	0.2704 (0.1033~ 0.7081)
XKR9	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0178	3.6753 (1.2524~ 10.7859)
XPC	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0269	0.2271 (0.0611~ 0.8442)
XRN2	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0317	1.4298 (1.0318~ 1.9815)
XXYLT1	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0356	2.2676 (1.0567~ 4.8661)
XYLT1	Chronic Myeloid Leukemia	Inverse variance weighted	71	0.0074	0.7217 (0.5684~ 0.9163)
YIPF5	Chronic Myeloid Leukemia	Inverse variance weighted	45	0.0047	0.6525 (0.4852~ 0.8775)
YPEL3	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0178	0.5004 (0.2824~ 0.8870)
YRDC	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0120	0.2051 (0.0596~ 0.7055)
YWHAH	Chronic Myeloid Leukemia	Inverse variance weighted	39	0.0308	0.6824 (0.4825~ 0.9652)
ZBED2	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0182	0.1319 (0.0246~ 0.7083)
ZBED3	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0413	1.7268 (1.0219~ 2.9181)
ZBTB24	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0146	5.7511 (1.4134~ 23.4015)
ZBTB32	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0016	4.5092 (1.7676~ 11.5027)
ZBTB38	Chronic Myeloid Leukemia	Inverse variance weighted	12	0.0327	2.5688 (1.0807~ 6.1057)
ZBTB43	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0041	0.0896 (0.0172~ 0.4664)
ZBTB47	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0082	0.3987 (0.2016~ 0.7885)
ZBTB49	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0407	0.5330 (0.2918~ 0.9736)
ZBTB5	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0085	0.0493 (0.0052~ 0.4647)
ZC2HC1A	Chronic Myeloid Leukemia	Inverse variance weighted	64	<0.001	1.3812 (1.1407~ 1.6724)
ZC3H12C	Chronic Myeloid Leukemia	Inverse variance weighted	34	0.0371	1.4315 (1.0216~ 2.0059)
ZCWPW1	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0019	0.3561 (0.1854~ 0.6842)
ZDHHC13	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0219	1.8338 (1.0919~ 3.0798)
ZDHHC16	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0104	24.8697 (2.1285~290.5787)
ZDHHC4	Chronic Myeloid Leukemia	Inverse variance weighted	54	0.0054	1.4697 (1.1202~ 1.9282)
ZDHHC7	Chronic Myeloid Leukemia	Inverse variance weighted	36	0.0169	0.6220 (0.4214~ 0.9182)
ZFAND2A	Chronic Myeloid Leukemia	Inverse variance weighted	47	<0.001	1.4630 (1.1968~ 1.7883)
ZFAND3	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0204	2.5573 (1.1566~ 5.6545)
ZFP1	Chronic Myeloid Leukemia	Inverse variance weighted	40	0.0053	1.6958 (1.1703~ 2.4573)
ZFP28	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0055	1.9949 (1.2249~ 3.2489)
ZFP57	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0014	1.4035 (1.1392~ 1.7291)
ZFPM1	Chronic Myeloid Leukemia	Inverse variance weighted	22	0.0455	1.6984 (1.0106~ 2.8545)
ZFYVE20	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0448	3.7212 (1.0307~ 13.4351)
ZFYVE28	Chronic Myeloid Leukemia	Inverse variance weighted	13	0.0076	2.9500 (1.3325~ 6.5313)
ZMYM2	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0070	36.3665 (2.6688~495.5549)
ZMYND15	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0337	0.5191 (0.2835~ 0.9508)
ZNF132	Chronic Myeloid Leukemia	Inverse variance weighted	24	<0.001	0.4998 (0.3390~ 0.7368)
ZNF133	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0307	24.9023 (1.3490~459.7028)
ZNF154	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0039	1.9021 (1.2290~ 2.9438)
ZNF155	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0054	0.5243 (0.3326~ 0.8266)
ZNF184	Chronic Myeloid Leukemia	Inverse variance weighted	8	0.0358	0.2958 (0.0949~ 0.9223)
ZNF200	Chronic Myeloid Leukemia	Inverse variance weighted	23	0.0307	0.5594 (0.3304~ 0.9474)
ZNF205~AS1	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0118	1.7664 (1.1342~ 2.7509)
ZNF23	Chronic Myeloid Leukemia	Inverse variance weighted	26	0.0161	0.5336 (0.3200~ 0.8898)
ZNF236	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0377	0.2817 (0.0853~ 0.9304)
ZNF319	Chronic Myeloid Leukemia	Inverse variance weighted	20	0.0062	1.7915 (1.1797~ 2.7207)
ZNF32	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0012	3.4733 (1.6333~ 7.3860)
ZNF320	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0098	0.5238 (0.3207~ 0.8556)
ZNF33B	Chronic Myeloid Leukemia	Inverse variance weighted	24	0.0281	1.7828 (1.0640~ 2.9870)
ZNF35	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0492	1.7549 (1.0019~ 3.0737)
ZNF354A	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0024	1.7461 (1.2181~ 2.5031)
ZNF37BP	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0011	0.2612 (0.1165~ 0.5859)
ZNF396	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0406	0.5623 (0.3241~ 0.9758)
ZNF417	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0471	2.3965 (1.0111~ 5.6803)
ZNF431	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0032	3.8691 (1.5757~ 9.5006)
ZNF438	Chronic Myeloid Leukemia	Inverse variance weighted	16	0.0118	0.3578 (0.1608~ 0.7960)
ZNF446	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0021	0.0803 (0.0162~ 0.3997)
ZNF500	Chronic Myeloid Leukemia	Inverse variance weighted	33	0.0304	0.6992 (0.5058~ 0.9666)
ZNF525	Chronic Myeloid Leukemia	Inverse variance weighted	30	0.0017	2.1742 (1.3392~ 3.5297)
ZNF544	Chronic Myeloid Leukemia	Inverse variance weighted	35	0.0326	0.6936 (0.4959~ 0.9702)
ZNF561	Chronic Myeloid Leukemia	Inverse variance weighted	21	0.0018	1.5211 (1.1684~ 1.9802)
ZNF565	Chronic Myeloid Leukemia	Inverse variance weighted	15	0.0180	2.4321 (1.1646~ 5.0791)
ZNF579	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0093	7.5410 (1.6456~ 34.5561)
ZNF581	Chronic Myeloid Leukemia	Inverse variance weighted	7	0.0288	0.1476 (0.0266~ 0.8202)
ZNF609	Chronic Myeloid Leukemia	Inverse variance weighted	3	<0.001	45.2336 (4.9985~409.3397)
ZNF638	Chronic Myeloid Leukemia	Inverse variance weighted	13	<0.001	3.2544 (1.6214~ 6.5320)
ZNF641	Chronic Myeloid Leukemia	Inverse variance weighted	82	0.0059	1.3081 (1.0805~ 1.5837)
ZNF697	Chronic Myeloid Leukemia	Inverse variance weighted	11	0.0145	2.6287 (1.2107~ 5.7075)
ZNF701	Chronic Myeloid Leukemia	Inverse variance weighted	18	0.0026	0.4773 (0.2950~ 0.7723)
ZNF75A	Chronic Myeloid Leukemia	Inverse variance weighted	10	0.0024	3.4522 (1.5496~ 7.6910)
ZNF787	Chronic Myeloid Leukemia	Inverse variance weighted	3	0.0425	2.5576 (1.0322~ 6.3374)
ZNF83	Chronic Myeloid Leukemia	Inverse variance weighted	49	0.0054	0.7619 (0.6291~ 0.9227)
ZNF836	Chronic Myeloid Leukemia	Inverse variance weighted	5	0.0314	2.6487 (1.0909~ 6.4308)
ZNF879	Chronic Myeloid Leukemia	Inverse variance weighted	6	0.0123	5.1091 (1.4249~ 18.3193)
ZRANB1	Chronic Myeloid Leukemia	Inverse variance weighted	17	0.0210	2.2393 (1.1292~ 4.4405)
ZSCAN12	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0291	0.1902 (0.0428~ 0.8443)
ZSCAN30	Chronic Myeloid Leukemia	Inverse variance weighted	4	0.0305	5.8142 (1.1800~ 28.6489)
ZSCAN9	Chronic Myeloid Leukemia	Inverse variance weighted	25	0.0249	0.7938 (0.6488~ 0.9713)
ZSWIM5	Chronic Myeloid Leukemia	Inverse variance weighted	14	0.0383	2.0314 (1.0390~ 3.9717)
ZYG11B	Chronic Myeloid Leukemia	Inverse variance weighted	42	<0.001	0.5987 (0.4486~ 0.7992)



Exposure	Outcome	method	nsnp	pval	OR(95%CI)
A2MP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0101	0.8045 (0.6815~ 0.9495)
AARS	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0483	0.3984 (0.1598~ 0.9933)
ABCA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0122	0.6367 (0.4473~ 0.9062)
ABCB9	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0082	1.7964 (1.1633~ 2.7739)
ABT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0078	2.2251 (1.2344~ 4.0112)
AC002511.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0177	4.0750 (1.2762~ 13.0119)
AC004696.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	<0.001	2.5911 (1.6955~ 3.9599)
AC005154.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0131	0.8496 (0.7470~ 0.9664)
AC005488.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0081	0.8296 (0.7225~ 0.9525)
AC005682.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0369	1.2716 (1.0147~ 1.5937)
AC006129.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0491	1.3250 (1.0011~ 1.7538)
AC009299.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	<0.001	1.3188 (1.1485~ 1.5143)
AC009404.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0395	2.2124 (1.0389~ 4.7117)
AC011816.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	0.6726 (0.5521~ 0.8194)
AC012309.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0274	0.7639 (0.6013~ 0.9704)
AC012314.20	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0470	2.1419 (1.0101~ 4.5416)
AC016773.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	<0.001	1.3549 (1.1748~ 1.5627)
AC018638.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0269	0.5928 (0.3730~ 0.9421)
AC018755.15	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0435	0.5562 (0.3146~ 0.9831)
AC018755.16	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0013	1.4023 (1.1404~ 1.7243)
AC018804.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0400	1.2588 (1.0106~ 1.5679)
AC068831.10	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0015	0.4800 (0.3049~ 0.7556)
AC079325.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	<0.001	1.2214 (1.0937~ 1.3639)
AC079776.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0158	0.4157 (0.2038~ 0.8477)
AC083949.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0078	0.6639 (0.4909~ 0.8979)
AC087793.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0132	1.3677 (1.0676~ 1.7521)
AC093609.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0086	0.5634 (0.3672~ 0.8642)
AC108488.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0344	0.8245 (0.6895~ 0.9860)
AC127904.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0019	1.3933 (1.1303~ 1.7176)
AC131056.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0027	1.5077 (1.1527~ 1.9719)
AC131971.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0048	1.6006 (1.1542~ 2.2197)
AC144831.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0058	1.7552 (1.1771~ 2.6172)
ACACB	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0213	1.3145 (1.0416~ 1.6590)
ACAD8	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0332	1.4110 (1.0278~ 1.9371)
ACBD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0138	0.2475 (0.0815~ 0.7517)
ACD	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0134	0.3540 (0.1555~ 0.8061)
ACER1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0052	0.1574 (0.0430~ 0.5760)
ACOT7	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0018	0.3782 (0.2053~ 0.6964)
ACP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	0.6023 (0.4789~ 0.7576)
ACSF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	2.8288 (1.5475~ 5.1709)
ACSM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0202	2.1155 (1.1241~ 3.9814)
ACSS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.4887 (0.3256~ 0.7334)
ACTBP8	Acute Lymphoblastic Leukemia	Inverse variance weighted	56	0.0330	0.9034 (0.8229~ 0.9918)
ACTR1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0176	1.5604 (1.0806~ 2.2533)
ACTR5	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0304	0.7360 (0.5576~ 0.9715)
ACVR1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0018	4.7185 (1.7806~ 12.5035)
ADAM15	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0036	1.3691 (1.1084~ 1.6910)
ADAM19	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0410	0.6767 (0.4652~ 0.9841)
ADAM28	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0380	0.5731 (0.3388~ 0.9696)
ADAMTS13	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0403	0.4377 (0.1987~ 0.9642)
ADAMTSL4	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0016	0.5247 (0.3515~ 0.7833)
ADAR	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0475	0.3372 (0.1150~ 0.9881)
ADARB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	63	0.0016	1.4367 (1.1479~ 1.7981)
ADIPOR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	7.1186 (2.4740~ 20.4828)
ADK	Acute Lymphoblastic Leukemia	Inverse variance weighted	61	0.0034	1.2043 (1.0636~ 1.3637)
ADO	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0430	0.5672 (0.3275~ 0.9822)
ADRB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0044	2.1683 (1.2736~ 3.6916)
ADSS	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0309	0.7897 (0.6374~ 0.9785)
ADTRP	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0315	1.3712 (1.0284~ 1.8283)
AEN	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0016	1.8469 (1.2631~ 2.7004)
AFF4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	4.3441 (1.8763~ 10.0575)
AGAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0209	1.5827 (1.0721~ 2.3364)
AGXT2L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0354	3.0884 (1.0800~ 8.8314)
AHI1	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	<0.001	0.6935 (0.5835~ 0.8243)
AIMP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0438	0.6082 (0.3750~ 0.9863)
AK3	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0261	1.3522 (1.0366~ 1.7638)
AK5	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0038	0.6384 (0.4709~ 0.8655)
AKAP12	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0404	0.2102 (0.0473~ 0.9343)
AKAP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0027	3.2906 (1.5129~ 7.1572)
AKD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	0.4941 (0.3315~ 0.7364)
AKIRIN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0205	3.1699 (1.1945~ 8.4121)
AKR1E2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0139	0.4892 (0.2767~ 0.8650)
AKT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0354	0.6192 (0.3962~ 0.9678)
AKTIP	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0065	1.3778 (1.0938~ 1.7354)
AL161915.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0499	0.7516 (0.5650~ 0.9998)
AL513477.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0044	0.5758 (0.3939~ 0.8419)
ALDH1A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0167	0.6889 (0.5077~ 0.9347)
ALG1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0023	0.7898 (0.6785~ 0.9193)
ALG1L10P	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0037	0.6685 (0.5091~ 0.8777)
ALG1L6P	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0382	0.7351 (0.5495~ 0.9835)
ALG8	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0235	0.3174 (0.1176~ 0.8564)
ALKBH8	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0281	0.4849 (0.2541~ 0.9252)
AMACR	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0168	0.5573 (0.3451~ 0.8999)
AMIGO2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	<0.001	3.9721 (2.0470~ 7.7076)
ANGPTL6	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0024	2.4295 (1.3693~ 4.3106)
ANK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	<0.001	0.2584 (0.1249~ 0.5344)
ANKMY2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0169	0.3583 (0.1543~ 0.8317)
ANKRA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.4655 (0.3000~ 0.7223)
ANKRD10-IT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0233	0.6018 (0.3881~ 0.9332)
ANKRD10	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0363	0.7266 (0.5388~ 0.9798)
ANKRD18A	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0047	3.9753 (1.5279~ 10.3432)
ANKRD26	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0241	0.5353 (0.3110~ 0.9213)
ANKRD34B	Acute Lymphoblastic Leukemia	Inverse variance weighted	71	0.0376	0.7948 (0.6400~ 0.9869)
ANKRD36	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	2.2085 (1.4713~ 3.3151)
ANKRD9	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0032	1.8315 (1.2245~ 2.7393)
ANKZF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0067	0.1787 (0.0514~ 0.6210)
ANO9	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0240	1.4728 (1.0524~ 2.0612)
ANXA3	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0044	1.7390 (1.1888~ 2.5436)
ANXA9	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0455	0.2234 (0.0514~ 0.9706)
AP001007.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0134	1.3216 (1.0597~ 1.6483)
AP001189.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0121	0.8614 (0.7666~ 0.9679)
AP001469.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0310	1.2172 (1.0181~ 1.4552)
AP001610.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0348	0.7591 (0.5876~ 0.9806)
AP001625.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0228	1.4690 (1.0550~ 2.0456)
AP001816.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	70	0.0302	1.1618 (1.0145~ 1.3305)
AP002954.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0401	0.8932 (0.8020~ 0.9949)
AP1S3	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	<0.001	4.1441 (1.7990~ 9.5463)
APSS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	13.9721 (3.0093~ 64.8722)
APBB1IP	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0295	0.6536 (0.4457~ 0.9585)
APCDD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0298	0.5696 (0.3429~ 0.9463)
ARF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0029	0.6383 (0.4749~ 0.8581)
ARFGAP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0359	2.0194 (1.0474~ 3.8933)
ARHGAP11A	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0051	1.9397 (1.2196~ 3.0848)
ARHGAP15	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0311	0.7856 (0.6309~ 0.9783)
ARHGAP18	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0405	0.2793 (0.0824~ 0.9461)
ARHGEF17	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	<0.001	0.6135 (0.4650~ 0.8095)
ARHGEF35	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0015	0.5884 (0.4242~ 0.8161)
ARHGEF40	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0278	0.3734 (0.1552~ 0.8979)
ARHGEF5	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0216	0.1551 (0.0316~ 0.7603)
ARID5A	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0169	1.7836 (1.1096~ 2.8671)
ARL6IP5	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0215	0.4708 (0.2477~ 0.8948)
ARMC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0360	0.3988 (0.1689~ 0.9416)
ARMC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0028	3.9564 (1.6030~ 9.7654)
ARPC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0403	1.2390 (1.0095~ 1.5208)
ARPP19	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0033	0.3908 (0.2087~ 0.7317)
ARRB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0250	1.6752 (1.0670~ 2.6300)
ARSB	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0226	0.7588 (0.5986~ 0.9619)
ASB6	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0350	5.5509 (1.1280~ 27.3160)
ASL	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0388	0.5780 (0.3437~ 0.9722)
ASPDH	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0287	2.1633 (1.0837~ 4.3185)
ASUN	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0427	0.1804 (0.0344~ 0.9454)
ATF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0269	3.9913 (1.1712~ 13.6019)

ATF5	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0193	0.3555 (0.1496~ 0.8452)
ATG10	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0030	1.5792 (1.1677~ 2.1357)
ATG16L1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0265	0.4324 (0.2061~ 0.9069)
ATG9A	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0442	0.3091 (0.0985~ 0.9699)
ATOX1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0029	1.7831 (1.2182~ 2.6099)
ATP5G1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	2.1677 (1.4839~ 3.1665)
ATP6AP1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0011	1.4129 (1.1471~ 1.7403)
ATP6V0A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0097	6.6662 (1.5830~ 28.0724)
ATP7B	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0059	1.9292 (1.2079~ 3.0811)
ATP8B2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0463	0.4596 (0.2140~ 0.9873)
ATRAF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0034	3.2816 (1.4807~ 7.2726)
ATRIP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	<0.001	2.6754 (1.6134~ 4.4365)
ATRAID	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0145	1.5491 (1.0906~ 2.2004)
AVPI1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	4.4463 (1.9637~ 10.0675)
B3GALTL	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0218	1.4028 (1.0506~ 1.8731)
BAK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0231	0.8168 (0.6860~ 0.9726)
BAZ2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0192	0.7727 (0.6227~ 0.9589)
BCAS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0032	3.1328 (1.4680~ 6.6855)
BCAT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	2.5480 (1.5624~ 4.1554)
BCCIP	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0044	0.2812 (0.1175~ 0.6730)
BCL10	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0264	1.6069 (1.0572~ 2.4423)
BCL2L13	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0040	0.6074 (0.4325~ 0.8529)
BCO2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0072	4.1207 (1.4682~ 11.5655)
BECN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	1.7691 (1.2900~ 2.4262)
BEGAIN	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0077	0.7399 (0.5929~ 0.9234)
BMP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0428	1.8110 (1.0194~ 3.2175)
BMP8A	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0039	1.5018 (1.1390~ 1.9802)
BMPR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0251	0.6506 (0.4467~ 0.9476)
BNIP3L	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0312	0.6876 (0.4891~ 0.9667)
BRIP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0101	15.9123 (1.9299~131.2020)
BRWD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0213	1.9571 (1.1049~ 3.4666)
BST1	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	<0.001	0.7072 (0.5813~ 0.8602)
BTBD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0296	2.5388 (1.0969~ 5.8763)
BTBD17	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0252	0.3889 (0.1701~ 0.8890)
BTG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	<0.001	0.4762 (0.3425~ 0.6622)
BTN2A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	<0.001	0.6203 (0.4805~ 0.8008)
BTN3A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0017	0.6434 (0.4888~ 0.8470)
BTNL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0063	0.8115 (0.6986~ 0.9427)
BTNL8	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0250	1.3639 (1.0397~ 1.7893)
BYSL	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0011	1.9827 (1.3135~ 2.9929)
C10orf116	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0147	0.2391 (0.0758~ 0.7547)
C11orf1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0134	6.1682 (1.4579~ 26.0960)
C11orf80	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0498	1.6508 (1.0005~ 2.7240)
C12orf43	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	1.9595 (1.3763~ 2.7898)
C12orf76	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0327	0.3996 (0.1722~ 0.9273)
C14orf159	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0132	1.2955 (1.0555~ 1.5900)
C16orf93	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0023	0.2721 (0.1177~ 0.6286)
C17orf99	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0018	0.3111 (0.1495~ 0.6476)
C19orf12	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0156	1.2865 (1.0489~ 1.5779)
C19orf18	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0310	5.8030 (1.1739~ 28.6858)
C19orf35	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0058	1.4250 (1.1081~ 1.8324)
C19orf54	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0309	0.6754 (0.4728~ 0.9646)
C19orf66	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0448	1.5703 (1.0105~ 2.4401)
C1orf109	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0016	0.4474 (0.2715~ 0.7372)
C1orf131	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0184	0.3823 (0.1719~ 0.8505)
C1orf145	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0306	0.6608 (0.4540~ 0.9619)
C1QL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0229	1.6278 (1.0698~ 2.4769)
C1QTNF4	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0268	1.3155 (1.0320~ 1.6769)
C1R	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0487	3.6617 (1.0073~ 13.3105)
C20orf196	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0167	0.6430 (0.4479~ 0.9233)
C20orf197	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0350	1.5246 (1.0302~ 2.2564)
C20orf27	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0031	1.4217 (1.1262~ 1.7946)
C22orf29	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0108	1.4817 (1.0953~ 2.0045)
C3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0203	0.1767 (0.0408~ 0.7641)
C4BPA	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0014	0.8151 (0.7191~ 0.9238)
C4BPB	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0017	2.4108 (1.3909~ 4.1786)
C5orf22	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0126	0.5123 (0.3029~ 0.8663)
C6orf163	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0217	0.5481 (0.3280~ 0.9158)
C6orf3	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0075	0.7834 (0.6551~ 0.9369)
C7orf25	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0245	1.4142 (1.0457~ 1.9125)
C7orf29	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0043	1.5565 (1.1491~ 2.1084)
C7orf34	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0171	1.2866 (1.0458~ 1.5827)
C7orf41	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0227	0.3600 (0.1495~ 0.8668)
C7orf49	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0187	1.9061 (1.1132~ 3.2638)
C7orf53	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0011	1.5603 (1.1933~ 2.0401)
C8orf46	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0311	0.6756 (0.4729~ 0.9650)
C9orf84	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0460	2.1992 (1.0139~ 4.7701)
CA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0033	0.6757 (0.5204~ 0.8775)
CACNA2D3	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0381	1.9008 (1.0358~ 3.4884)
CACUL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0023	0.4535 (0.2730~ 0.7533)
CAMK2D	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	<0.001	0.4793 (0.3194~ 0.7193)
CANX	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0068	0.5157 (0.3191~ 0.8333)
CAPN10	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0093	4.3489 (1.4365~ 13.1658)
CAPN12	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	0.0026	1.3724 (1.1165~ 1.6870)
CAPRIN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0143	2.0316 (1.1523~ 3.5819)
CARD8	Acute Lymphoblastic Leukemia	Inverse variance weighted	68	<0.001	1.3579 (1.1610~ 1.5883)
CARM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0022	0.4105 (0.2318~ 0.7267)
CASP16	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0333	3.9235 (1.1140~ 13.8188)
CASP4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0471	0.3284 (0.1094~ 0.9861)
CASP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0174	4.1352 (1.2829~ 13.3287)
CASP8	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0413	1.7112 (1.0215~ 2.8667)
CAST	Acute Lymphoblastic Leukemia	Inverse variance weighted	51	0.0189	1.2164 (1.0329~ 1.4324)
CAV1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0185	0.0860 (0.0112~ 0.6620)
CAV2	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0035	0.6196 (0.4494~ 0.8543)
CBLN3	Acute Lymphoblastic Leukemia	Inverse variance weighted	63	0.0011	1.3077 (1.1135~ 1.5358)
CBWD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0463	1.2477 (1.0037~ 1.5511)
CCDC102A	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0061	0.4637 (0.2678~ 0.8031)
CCDC114	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	3.9514 (1.7734~ 8.8046)
CCDC132	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0019	0.1111 (0.0278~ 0.4434)
CCDC136	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0262	2.0441 (1.0883~ 3.8392)
CCDC144B	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0360	2.3141 (1.0562~ 5.0698)
CCDC152	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0342	0.7085 (0.5150~ 0.9746)
CCDC174	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0042	2.1011 (1.2639~ 3.4929)
CCDC176	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0481	0.4366 (0.1920~ 0.9930)
CCDC24	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0194	0.7525 (0.5929~ 0.9552)
CCDC57	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0026	0.6215 (0.4561~ 0.8471)
CCDC81	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0185	0.1032 (0.0156~ 0.6825)
CCDC92	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0194	1.8420 (1.1037~ 3.0743)
CCHCR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0418	0.7163 (0.5195~ 0.9877)
CCL3L3	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0052	1.3526 (1.0944~ 1.6717)
CCL4L1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0085	1.2759 (1.0641~ 1.5298)
CCL5	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0433	0.3084 (0.0986~ 0.9650)
CCR5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0110	0.5469 (0.3435~ 0.8710)
CCT5	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0017	2.0232 (1.3020~ 3.1439)
CCT6A	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	0.3702 (0.2139~ 0.6406)
CCT6P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0414	1.2548 (1.0089~ 1.5605)
CD164	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0178	1.8861 (1.1161~ 3.1874)
CD1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0028	0.6330 (0.4691~ 0.8541)
CD1E	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0175	0.5789 (0.3687~ 0.9089)
CD22	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0026	4.0712 (1.6306~ 10.1645)
CD226	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0170	1.6841 (1.0975~ 2.5842)
CD247	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	2.1813 (1.3733~ 3.4647)
CD27-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0118	0.8020 (0.6755~ 0.9522)
CD300C	Acute Lymphoblastic Leukemia	Inverse variance weighted	56	0.0073	0.8096 (0.6939~ 0.9446)
CD300LB	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0062	1.5731 (1.1370~ 2.1766)
CD300LD	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0168	1.3915 (1.0614~ 1.8242)
CD300LF	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0187	1.5753 (1.0785~ 2.3009)
CD38	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0022	0.0502 (0.0074~ 0.3399)
CD44	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0325	1.9076 (1.0554~ 3.4479)
CD47	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	1.7666 (1.3088~ 2.3846)
CD55	Acute Lymphoblastic Leukemia	Inverse variance weighted	76	0.0422	0.8266 (0.6879~ 0.9933)
CD6	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0107	0.5394 (0.3357~ 0.8666)
CD69	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0403	0.3443 (0.1242~ 0.9541)
CD86	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	0.3919 (0.2432~ 0.6316)
CD93	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0247	0.7886 (0.6409~ 0.9702)
CDADC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0162	3.7102 (1.2738~ 10.8068)
CDC25B	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0154	1.4798 (1.0778~ 2.0316)
CDC42	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0255	0.7201 (0.5399~ 0.9605)
CDC42EP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0280	1.3811 (1.0355~ 1.8421)
CDC42SE1	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	<0.001	0.6074 (0.4784~ 0.7711)
CDHR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	4.2835 (2.2804~ 8.0460)
CDHR3	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0365	2.7087 (1.0643~ 6.8937)
CDK10	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0393	0.8247 (0.6866~ 0.9906)
CDK13	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0334	0.5766 (0.3472~ 0.9575)
CDK19	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0232	2.3048 (1.1210~ 4.7387)
CDKN1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0281	1.9734 (1.0757~ 3.6200)
CEACAM19	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	<0.001	5.7818 (2.1485~ 15.5598)
CEBPZ	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0187	0.6891 (0.5053~ 0.9398)
CECR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	1.8400 (1.2954~ 2.6135)
CELSR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0417	0.5791 (0.3424~ 0.9796)
CENPB	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	3.7209 (1.7503~ 7.9100)

CENPV	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0040	0.6686 (0.5082~ 0.8796)
CEP170B	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0391	0.7000 (0.4988~ 0.9824)
CEP97	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0229	2.7043 (1.1475~ 6.3730)
CERK	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0059	0.6026 (0.4202~ 0.8641)
CERS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0281	1.9886 (1.0766~ 3.6734)
CFD	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	0.0038	1.2150 (1.0650~ 1.3862)
CHAF1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0181	1.7554 (1.1009~ 2.7988)
CHD1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0156	1.5353 (1.0845~ 2.1734)
CHI3L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0023	1.3272 (1.1062~ 1.5923)
CHRM3-AS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0150	1.2693 (1.0474~ 1.5382)
CHSY1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.6060 (0.4814~ 0.7628)
CIB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0168	2.7953 (1.2033~ 6.4938)
CIB3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0284	0.2180 (0.0558~ 0.8511)
CIR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0230	1.9163 (1.0939~ 3.3569)
CKM	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0010	0.4992 (0.3300~ 0.7551)
CLDN5	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	<0.001	1.6858 (1.2597~ 2.2559)
CLIC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0083	0.5455 (0.3478~ 0.8555)
CLIC4	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	2.1403 (1.3898~ 3.2961)
CLIP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0224	2.4624 (1.1361~ 5.3369)
CLN6	Acute Lymphoblastic Leukemia	Inverse variance weighted	48	0.0409	1.2475 (1.0092~ 1.5420)
CMAHP	Acute Lymphoblastic Leukemia	Inverse variance weighted	61	0.0023	1.3494 (1.1134~ 1.6355)
CMC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	2.1121 (1.4394~ 3.0992)
CMPK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0483	1.9955 (1.0051~ 3.9616)
CMTM3	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0378	1.7408 (1.0318~ 2.9369)
CMTM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0413	1.4083 (1.0135~ 1.9568)
CNIH	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0383	0.2707 (0.0786~ 0.9320)
CNR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0255	0.6276 (0.4171~ 0.9445)
CNTNAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0416	0.3248 (0.1101~ 0.9582)
CNTNAP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0166	1.5510 (1.0831~ 2.2209)
CNTROB	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0474	0.6851 (0.4714~ 0.9956)
COL19A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0087	0.1422 (0.0331~ 0.6104)
COL5A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0151	0.7175 (0.5489~ 0.9379)
COL6A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0366	1.4779 (1.0246~ 2.1317)
COL6A4P2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0200	1.6771 (1.0849~ 2.5926)
COL9A2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0210	2.5441 (1.1510~ 5.6236)
COMMD5	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0282	1.7144 (1.0592~ 2.7748)
COQ6	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0027	0.5784 (0.4046~ 0.8268)
COX11	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0037	0.5758 (0.3968~ 0.8356)
COX15	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0420	0.4746 (0.2314~ 0.9733)
COX5BP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	2.0992 (1.4785~ 2.9804)
COX6B1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0041	0.6126 (0.4386~ 0.8557)
CPA3	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0063	0.2797 (0.1122~ 0.6975)
CPNE3	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0311	0.6211 (0.4029~ 0.9576)
CPNE5	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	<0.001	2.9360 (1.6127~ 5.3451)
CPSF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0121	1.3979 (1.0760~ 1.8160)
CPT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0027	0.3774 (0.1998~ 0.7128)
CPVL	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0323	1.2801 (1.0211~ 1.6048)
CREG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0429	1.4505 (1.0119~ 2.0792)
CRHR1-IT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0217	1.1887 (1.0256~ 1.3778)
CRIP1P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0367	0.8100 (0.6646~ 0.9871)
CSNK1D	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0417	1.4399 (1.0137~ 2.0453)
CSRNP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0144	3.5175 (1.2846~ 9.6314)
CSTA	Acute Lymphoblastic Leukemia	Inverse variance weighted	50	<0.001	1.5430 (1.2163~ 1.9574)
CTA-126B4.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0109	1.2814 (1.0587~ 1.5510)
CTA-250D10.23	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0204	0.5580 (0.3408~ 0.9136)
CTA-29F11.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0239	0.8035 (0.6646~ 0.9715)
CTB-114C7.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0085	0.5510 (0.3536~ 0.8588)
CTB-55O6.12	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0158	0.7733 (0.6276~ 0.9528)
CTB-55O6.8	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0272	0.3171 (0.1144~ 0.8789)
CTBP1-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0438	1.7749 (1.0160~ 3.1009)
CTC-429P9.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0377	0.6438 (0.4250~ 0.9752)
CTC-459F4.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0342	1.4784 (1.0296~ 2.1230)
CTC-462L7.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0175	0.7716 (0.6231~ 0.9555)
CTC-484P3.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0109	1.2018 (1.0432~ 1.3845)
CTC-490E21.10	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0491	1.7930 (1.0023~ 3.2075)
CTC-490G23.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0468	1.1171 (1.0016~ 1.2459)
CTC-523E23.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0299	0.8126 (0.6738~ 0.9800)
CTC-550B14.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0047	1.2532 (1.0717~ 1.4655)
CTC-550B14.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0046	1.2890 (1.0812~ 1.5366)
CTC-774J1.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	<0.001	0.4919 (0.3239~ 0.7472)
CTD-2006K23.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0298	1.5012 (1.0405~ 2.1660)
CTD-2010I16.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0396	1.4344 (1.0174~ 2.0224)
CTD-2017D11.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0015	1.2037 (1.0738~ 1.3494)
CTD-2054N24.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.7302 (0.6218~ 0.8575)
CTD-2085J24.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0343	0.6829 (0.4797~ 0.9722)
CTD-2192J16.20	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0232	4.8642 (1.2411~ 19.0647)
CTD-2240H23.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0364	0.7145 (0.5215~ 0.9790)
CTD-2292M16.8	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0025	1.6265 (1.1867~ 2.2294)
CTD-2349P21.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0395	0.5301 (0.2897~ 0.9699)
CTD-2368P22.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0040	1.5539 (1.1510~ 2.0979)
CTD-2510F5.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0461	1.6387 (1.0085~ 2.6627)
CTD-2516F10.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0249	1.4501 (1.0479~ 2.0066)
CTD-2517M22.14	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0480	0.7957 (0.6345~ 0.9979)
CTD-2540F13.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0335	1.7664 (1.0453~ 2.9849)
CTD-2561B21.11	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0407	0.7035 (0.5023~ 0.9852)
CTD-2587H19.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0440	1.2412 (1.0058~ 1.5317)
CTD-2623N2.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0011	1.6001 (1.2063~ 2.1224)
CTD-3099C6.11	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0380	0.6913 (0.4878~ 0.9797)
CTD-3099C6.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0010	0.4131 (0.2438~ 0.6997)
CTD-3131K8.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0087	0.7074 (0.5461~ 0.9162)
CTD-3138B18.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0118	0.6126 (0.4184~ 0.8970)
CTD-3162L10.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0350	1.3371 (1.0206~ 1.7517)
CTGLF12P	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0023	1.9191 (1.2625~ 2.9172)
CTNNA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0456	2.3100 (1.0166~ 5.2490)
CTSC	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0035	1.3388 (1.1007~ 1.6285)
CTSD	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0033	2.5375 (1.3624~ 4.7258)
CTSF	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0071	0.7248 (0.5733~ 0.9164)
CTSS	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0136	1.5800 (1.0987~ 2.2722)
CUTA	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0058	0.4904 (0.2956~ 0.8137)
CWC15	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	3.6178 (1.7918~ 7.3050)
CYB5D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0109	0.6722 (0.4951~ 0.9126)
CYLD	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0024	3.1421 (1.5004~ 6.5802)
CYP26B1	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	<0.001	0.6518 (0.5312~ 0.7999)
CYP2D6	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0346	0.6856 (0.4831~ 0.9730)
CYP2T2P	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	<0.001	0.8025 (0.7184~ 0.8965)
CYP4F22	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	0.6123 (0.4683~ 0.8005)
DAAM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0342	0.7053 (0.5106~ 0.9743)
DAB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0439	0.7531 (0.5715~ 0.9923)
DARC	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0419	1.6003 (1.0173~ 2.5176)
DAXX	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	0.3798 (0.2185~ 0.6602)
DCAF16	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0447	0.4137 (0.1747~ 0.9795)
DCHS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0095	1.5717 (1.1167~ 2.2121)
DCP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0325	1.6815 (1.0441~ 2.7080)
DCXR	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0469	0.8482 (0.7211~ 0.9978)
DDA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0239	0.3506 (0.1412~ 0.8703)
DDAH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0089	0.1122 (0.0218~ 0.5775)
DDX39B	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0407	1.4133 (1.0148~ 1.9683)
DDX50	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	0.0436 (0.0096~ 0.1980)
DDX51	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0293	0.2911 (0.0960~ 0.8832)
DDX59	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	0.0064	0.7134 (0.5596~ 0.9094)
DDX60L	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0152	0.8135 (0.6887~ 0.9610)
DEAF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0034	1.8209 (1.2195~ 2.7190)
DEFA4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0419	1.9188 (1.0242~ 3.5946)
DENND1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0291	1.7005 (1.0557~ 2.7391)
DEPDC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0311	2.2727 (1.0774~ 4.7939)
DERL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0059	4.5317 (1.5457~ 13.2865)
DEXI	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	<0.001	1.9215 (1.3542~ 2.7264)
DFNB31	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0181	0.5679 (0.3552~ 0.9079)
DGAT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0015	0.7361 (0.6092~ 0.8895)
DGCR6L	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	<0.001	1.6085 (1.2180~ 2.1242)
DHRS4-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0254	1.6357 (1.0624~ 2.5185)
DHX32	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	<0.001	1.4122 (1.1936~ 1.6708)
DHX36	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0195	0.6785 (0.4900~ 0.9394)
DICER1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0094	0.3714 (0.1759~ 0.7838)
DIXDC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	2.5253 (1.5019~ 4.2462)
DKK3	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0034	0.7528 (0.6224~ 0.9104)
DNAH7	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0380	2.9984 (1.0625~ 8.4615)
DNAI2	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0126	0.5445 (0.3377~ 0.8778)
DNAJC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0012	8.0577 (2.2843~ 28.4230)
DNAJC15	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	1.3209 (1.1211~ 1.5564)
DNAJC18	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0229	1.8387 (1.0879~ 3.1075)
DNAJC27-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	0.3116 (0.1731~ 0.5607)
DNAJC8	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0136	4.3231 (1.3513~ 13.8309)
DNASE2	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	<0.001	1.5240 (1.2311~ 1.8866)
DND1P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0072	1.2625 (1.0652~ 1.4965)
DNHD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0028	1.9084 (1.2498~ 2.9141)
DNM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0401	3.1999 (1.0538~ 9.7161)
DNTT	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0072	0.1888 (0.0559~ 0.6373)
DNTTIP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0344	0.3635 (0.1423~ 0.9282)
DOCK5	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0140	1.9594 (1.1459~ 3.3506)
DOCK8	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0221	1.2817 (1.0362~ 1.5853)
DOK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0118	0.1518 (0.0350~ 0.6586)

DOK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0497	0.7326 (0.5369~ 0.9996)
DOK6	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0086	0.4859 (0.2836~ 0.8326)
DPEP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0399	1.5423 (1.0202~ 2.3316)
DPF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	0.3949 (0.2551~ 0.6113)
DPY19L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	0.5125 (0.3528~ 0.7445)
DSE	Acute Lymphoblastic Leukemia	Inverse variance weighted	69	<0.001	0.7242 (0.5990~ 0.8756)
DSEL	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0177	0.4357 (0.2193~ 0.8654)
DTWD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0222	2.4095 (1.1340~ 5.1199)
DTX3L	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0300	2.2475 (1.0815~ 4.6706)
DUSP23	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0260	0.5661 (0.3430~ 0.9343)
DVL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0127	5.2218 (1.4240~ 19.1479)
DYNLT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0264	2.0619 (1.0885~ 3.9061)
E2F4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0167	0.2098 (0.0583~ 0.7542)
EEF1A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0461	0.7896 (0.6260~ 0.9959)
EFCAB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0133	1.4378 (1.0784~ 1.9169)
EFEMP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0194	1.4454 (1.0613~ 1.9686)
EFTUD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0040	0.5690 (0.3876~ 0.8353)
EGLN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0146	1.3754 (1.0649~ 1.7765)
EHHADH	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0100	2.2076 (1.2084~ 4.0330)
EHMT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0160	1.8974 (1.1270~ 3.1944)
EIF2B4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0011	11.7379 (2.6861~ 51.2933)
EIF2D	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0081	1.9217 (1.1846~ 3.1175)
EIF3F	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0095	2.3393 (1.2312~ 4.4448)
EIF3G	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0042	1.5810 (1.1551~ 2.1640)
EIF4B	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0034	1.6290 (1.1747~ 2.2590)
ELF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0355	0.5377 (0.3016~ 0.9587)
ELMO2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0027	0.1015 (0.0228~ 0.4516)
ELMOD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0275	0.1528 (0.0287~ 0.8122)
ELP5	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0337	0.6343 (0.4167~ 0.9655)
EMID1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0373	0.2420 (0.0637~ 0.9201)
ENDOU	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0197	0.3312 (0.1308~ 0.8386)
ENKUR	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0081	4.3434 (1.4633~ 12.8923)
ENO1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0214	0.5856 (0.3712~ 0.9238)
ENOSF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0061	1.3982 (1.1002~ 1.7770)
ENPP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0379	14.9853 (1.1627~193.1314)
ERCC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	1.9740 (1.4523~ 2.6831)
ERICH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	68	0.0015	1.3607 (1.1248~ 1.6462)
ESYT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0100	1.3808 (1.0803~ 1.7650)
EXOSC10	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0016	7.4136 (2.1358~ 25.7338)
EXT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0052	0.5317 (0.3414~ 0.8283)
EZR	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0411	1.8030 (1.0241~ 3.1746)
F2R	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0143	1.5162 (1.0866~ 2.1156)
FADS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0490	0.7283 (0.5311~ 0.9986)
FADS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0449	0.8257 (0.6848~ 0.9957)
FAM101B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0384	1.8009 (1.0320~ 3.1425)
FAM103A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0344	0.3613 (0.1407~ 0.9279)
FAM104A	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0472	1.4198 (1.0044~ 2.0070)
FAM109A	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0122	0.2705 (0.0973~ 0.7524)
FAM111A	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	6.3036 (3.1165~ 12.7498)
FAM115A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0465	0.2275 (0.0529~ 0.9773)
FAM117B	Acute Lymphoblastic Leukemia	Inverse variance weighted	67	0.0112	0.8281 (0.7157~ 0.9581)
FAM118B	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	1.9268 (1.4584~ 2.5455)
FAM120AOS	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	4.6881 (2.3321~ 9.4245)
FAM134B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0029	2.4852 (1.3648~ 4.5256)
FAM134C	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0454	0.3417 (0.1193~ 0.9785)
FAM136A	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0359	0.5247 (0.2872~ 0.9586)
FAM153C	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0408	1.5197 (1.0178~ 2.2691)
FAM157C	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0242	0.7977 (0.6554~ 0.9710)
FAM173B	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0401	0.2209 (0.0522~ 0.9339)
FAM177A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0027	0.5000 (0.3178~ 0.7866)
FAM177B	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0344	0.5989 (0.3725~ 0.9631)
FAM19A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0496	1.2776 (1.0004~ 1.6317)
FAM19A2	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	<0.001	1.6433 (1.2529~ 2.1554)
FAM206A	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0057	1.6083 (1.1483~ 2.2526)
FAM20B	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0401	1.9545 (1.0308~ 3.7059)
FAM219B	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0446	0.6037 (0.3689~ 0.9879)
FAM21C	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0010	1.4208 (1.1516~ 1.7530)
FAM22E	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0346	0.8084 (0.6636~ 0.9847)
FAM46C	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0281	0.3005 (0.1027~ 0.8788)
FAM63B	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0453	1.6760 (1.0109~ 2.7788)
FAM65A	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0034	0.3448 (0.1691~ 0.7030)
FAM65B	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0048	1.8338 (1.2037~ 2.7937)
FAM81B	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0075	15.3039 (2.0724~113.0104)
FAM86C1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0052	0.8275 (0.7246~ 0.9449)
FAM86C2P	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0440	3.4340 (1.0339~ 11.4059)
FAM86FP	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	0.5078 (0.3436~ 0.7505)
FAM86HP	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0086	1.3267 (1.0744~ 1.6382)
FAM86JP	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0085	0.3978 (0.2003~ 0.7900)
FAM98C	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0325	3.1273 (1.1000~ 8.8908)
FANCL	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0338	3.3548 (1.0968~ 10.2613)
FARP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0073	2.1184 (1.2240~ 3.6664)
FARSA	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0182	2.8278 (1.1933~ 6.7013)
FASN	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0102	1.4192 (1.0864~ 1.8539)
FASTKD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0069	0.4060 (0.2112~ 0.7803)
FAT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0098	0.2705 (0.1003~ 0.7297)
FBP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0115	1.9823 (1.1662~ 3.3695)
FBXL5	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0280	0.5451 (0.3172~ 0.9367)
FCHO2	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	<0.001	1.4289 (1.1735~ 1.7399)
FCRL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	76	0.0017	0.7708 (0.6549~ 0.9071)
FDFT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	112	0.0100	0.8453 (0.7438~ 0.9606)
FER	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0011	0.0304 (0.0038~ 0.2461)
FES	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0136	0.7341 (0.5743~ 0.9384)
FEZ2	Acute Lymphoblastic Leukemia	Inverse variance weighted	61	0.0255	0.7779 (0.6240~ 0.9697)
FGFR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0023	0.5961 (0.4277~ 0.8308)
FGGY	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0204	0.5908 (0.3788~ 0.9217)
FHL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0426	1.6071 (1.0159~ 2.5423)
FIGNL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0040	0.7053 (0.5561~ 0.8946)
FLJ20373	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0229	2.4776 (1.1340~ 5.4129)
FLT3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0042	0.1346 (0.0341~ 0.5306)
FLVCR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0456	1.3559 (1.0060~ 1.8275)
FMO4	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0018	2.1941 (1.3379~ 3.5982)
FN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0358	0.4725 (0.2346~ 0.9514)
FNBP1P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0094	1.3570 (1.0778~ 1.7086)
FNDC3A	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0313	0.3468 (0.1323~ 0.9092)
FNDC3B	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.3735 (0.2100~ 0.6644)
FOLR3	Acute Lymphoblastic Leukemia	Inverse variance weighted	82	0.0079	0.8441 (0.7449~ 0.9565)
FOXO6	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	9.2194 (2.9547~ 28.7665)
FPGT	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0211	1.2670 (1.0361~ 1.5493)
FTSJD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0098	0.7130 (0.5515~ 0.9218)
FUCA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0238	1.6234 (1.0666~ 2.4707)
FURIN	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0340	0.4851 (0.2485~ 0.9468)
FUT10	Acute Lymphoblastic Leukemia	Inverse variance weighted	62	0.0016	0.7095 (0.5734~ 0.8780)
FUT7	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0010	1.4065 (1.1476~ 1.7238)
FZD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0181	0.6382 (0.4397~ 0.9262)
FZD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0321	1.5836 (1.0401~ 2.4111)
GALM	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0040	2.7455 (1.3815~ 5.4566)
GAPT	Acute Lymphoblastic Leukemia	Inverse variance weighted	76	0.0016	1.3224 (1.1113~ 1.5736)
GCC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0042	0.3840 (0.1995~ 0.7388)
GDF15	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0022	2.9149 (1.4688~ 5.7848)
GDPD5	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0020	1.3808 (1.1255~ 1.6942)
GFI1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0042	5.1219 (1.6731~ 15.6800)
GGACT	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0059	1.5365 (1.1315~ 2.0865)
GGNBP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0012	0.6882 (0.5486~ 0.8634)
GIGYF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0039	2.0613 (1.2618~ 3.3673)
GINM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0195	0.7243 (0.5526~ 0.9494)
GINS3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0457	4.3872 (1.0289~ 18.7078)
GIT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0153	0.7111 (0.5398~ 0.9367)
GIT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0135	0.4458 (0.2349~ 0.8463)
GLB1L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0422	2.5417 (1.0333~ 6.2518)
GLIS3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0034	0.2673 (0.1106~ 0.6462)
GLRX2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0271	0.2762 (0.0882~ 0.8648)
GLT1D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0279	1.7019 (1.0594~ 2.7341)
GLTP	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0052	0.5751 (0.3900~ 0.8479)
GLYATL1P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0255	1.7118 (1.0681~ 2.7433)
GM2A	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	0.0394	1.1699 (1.0076~ 1.3584)
GMIP	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0128	0.3761 (0.1742~ 0.8121)
GMNN	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	<0.001	21.8427 (3.9676~120.2507)
GNG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0490	0.3215 (0.1039~ 0.9953)
GNGT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0130	1.4776 (1.0860~ 2.0105)
GNPTG	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0019	2.4125 (1.3826~ 4.2095)
GOLGA6L5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0154	0.7354 (0.5736~ 0.9429)
GOLGA7B	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0079	0.3549 (0.1652~ 0.7623)
GOLGB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0142	0.7552 (0.6034~ 0.9453)
GOLM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0010	1.5985 (1.2081~ 2.1151)
GPATCH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	<0.001	2.0508 (1.5717~ 2.6758)
GPATCH11	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0361	0.1836 (0.0376~ 0.8959)
GPC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	0.0927 (0.0227~ 0.3787)
GPM6A	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0452	1.4889 (1.0086~ 2.1980)
GPNMB	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0157	1.5278 (1.0832~ 2.1548)
GPR124	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	2.1123 (1.3728~ 3.2501)
GPR162	Acute Lymphoblastic Leukemia	Inverse variance weighted	51	0.0468	1.2577 (1.0033~ 1.5767)
GPR19	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0336	0.6840 (0.4818~ 0.9710)

GPR25	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0256	0.3072 (0.1090~ 0.8658)
GPR65	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0229	0.5968 (0.3825~ 0.9311)
GPR89A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0497	2.7226 (1.0013~ 7.4029)
GRAP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0015	8.3318 (2.2523~ 30.8216)
GRK4	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0366	0.6922 (0.4902~ 0.9774)
GS1~124K5.11	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0213	1.5718 (1.0697~ 2.3096)
GS1~251I9.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0041	3.3504 (1.4674~ 7.6494)
GSTA4	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0401	2.2752 (1.0379~ 4.9872)
GTF2H5	Acute Lymphoblastic Leukemia	Inverse variance weighted	50	0.0402	1.2881 (1.0113~ 1.6405)
GTPBP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	<0.001	0.2808 (0.1488~ 0.5302)
GTPBP4	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0341	0.6927 (0.4932~ 0.9728)
GUCY1A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0139	4.1010 (1.3325~ 12.6212)
GUSB	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0448	1.6337 (1.0115~ 2.6386)
GXYLT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0154	0.5852 (0.3793~ 0.9028)
GZMA	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0067	4.3783 (1.5048~ 12.7391)
H1FX	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0296	0.3403 (0.1288~ 0.8988)
HADH	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0057	2.5552 (1.3147~ 4.9661)
HADHA	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0023	0.4873 (0.3070~ 0.7735)
HADHB	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0309	4.7785 (1.1548~ 19.7732)
HAR1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	<0.001	0.6482 (0.5123~ 0.8200)
HBM	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0210	1.7346 (1.0866~ 2.7692)
HBP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0162	0.3140 (0.1221~ 0.8072)
HBQ1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0305	1.4386 (1.0347~ 2.0001)
HCG22	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0204	1.2355 (1.0333~ 1.4774)
HCP5	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0182	0.4614 (0.2428~ 0.8767)
HDAC7	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0057	0.1679 (0.0474~ 0.5947)
HDDC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0362	0.5000 (0.2614~ 0.9564)
HEG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	0.4390 (0.2759~ 0.6985)
HELLS	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0171	1.5266 (1.0781~ 2.1616)
HERC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0143	1.5660 (1.0937~ 2.2422)
HIPK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0337	8.8872 (1.1839~ 66.7135)
HIVEP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0081	2.4292 (1.2596~ 4.6846)
HIVEP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	2.3011 (1.5216~ 3.4799)
HLA~DOA	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0209	0.6534 (0.4553~ 0.9377)
HLA~DPB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0058	0.7190 (0.5687~ 0.9090)
HLA~H	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0211	0.6116 (0.4027~ 0.9288)
HLA~U	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0241	0.8275 (0.7019~ 0.9755)
HMGCR	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0220	3.0319 (1.1735~ 7.8335)
HMGN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0017	1.6549 (1.2080~ 2.2671)
HMOX1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0397	0.6153 (0.3874~ 0.9774)
HNMT	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0345	1.5904 (1.0345~ 2.4450)
HOXA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0401	0.4879 (0.2459~ 0.9682)
HPCAL4	Acute Lymphoblastic Leukemia	Inverse variance weighted	66	0.0218	0.7999 (0.6610~ 0.9680)
HPS6	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0279	1.7022 (1.0594~ 2.7350)
HRK	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0115	0.6758 (0.4988~ 0.9156)
HSD17B1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0020	0.4207 (0.2428~ 0.7288)
HSD17B12	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	<0.001	1.4359 (1.1845~ 1.7407)
HSD17B14	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0074	1.7672 (1.1651~ 2.6806)
HSD17B7	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0023	1.8053 (1.2345~ 2.6399)
HSD17B7P2	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0067	1.2712 (1.0689~ 1.5117)
HSD3B7	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	0.3409 (0.1971~ 0.5893)
HSP90AA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0465	1.7106 (1.0084~ 2.9018)
HSPA1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0092	1.5595 (1.1164~ 2.1785)
HSPG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	0.6375 (0.4903~ 0.8290)
HTATIP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	49	0.0357	0.7769 (0.6138~ 0.9833)
HTRA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0052	0.1513 (0.0402~ 0.5694)
HYAL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0013	0.7488 (0.6278~ 0.8932)
ICA1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	0.3904 (0.2594~ 0.5876)
ID3	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0105	3.3567 (1.3276~ 8.4870)
IFI27	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0281	0.4867 (0.2559~ 0.9254)
IFIT5	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0334	0.7003 (0.5043~ 0.9725)
IFNG~AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0356	0.8520 (0.7337~ 0.9893)
IFNGR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0026	3.0739 (1.4807~ 6.3814)
IFRD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	49	0.0377	1.3260 (1.0162~ 1.7301)
IFT57	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0265	2.5039 (1.1130~ 5.6326)
IFT74	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	3.4076 (1.8350~ 6.3278)
IGFBP7	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	0.5071 (0.3399~ 0.7566)
IGHV1~46	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0276	0.5757 (0.3522~ 0.9410)
IGHV1~69	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0021	1.2456 (1.0830~ 1.4327)
IGHV3~20	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0395	0.8109 (0.6642~ 0.9900)
IGHV3~66	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0223	0.8742 (0.7790~ 0.9811)
IGHV3~73	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0027	2.6123 (1.3950~ 4.8917)
IGHV4~28	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0138	1.4289 (1.0757~ 1.8981)
IGHV4~39	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	0.7672 (0.6562~ 0.8971)
IGHVII~67~4	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0118	1.5417 (1.1007~ 2.1595)
IGLV1~41	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0146	0.8083 (0.6813~ 0.9589)
IGLV3~12	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0217	1.1619 (1.0222~ 1.3208)
IGLV3~19	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0120	0.6301 (0.4395~ 0.9035)
IGSF6	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0024	2.4046 (1.3646~ 4.2371)
IKBKAP	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0377	2.4415 (1.0522~ 5.6648)
IKZF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	<0.001	0.5817 (0.4737~ 0.7144)
IL10	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0356	2.3983 (1.0606~ 5.4232)
IL12RB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0121	0.7409 (0.5862~ 0.9365)
IL16	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0221	0.6953 (0.5093~ 0.9491)
IL18BP	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0045	0.3868 (0.2007~ 0.7455)
IL1R2	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0314	0.6601 (0.4522~ 0.9637)
IL1RAP	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0318	1.7900 (1.0521~ 3.0456)
IL7R	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0402	0.5937 (0.3608~ 0.9770)
ILDR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0413	0.4194 (0.1820~ 0.9664)
ILKAP	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0043	0.1524 (0.0418~ 0.5552)
ILVBL	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0439	0.4536 (0.2102~ 0.9787)
IMMP2L	Acute Lymphoblastic Leukemia	Inverse variance weighted	48	0.0289	0.7937 (0.6452~ 0.9765)
INO80B	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0357	0.4909 (0.2527~ 0.9535)
INPP5B	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	0.0434	0.8369 (0.7041~ 0.9947)
INPP5K	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0194	0.6609 (0.4670~ 0.9354)
INTS10	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0319	0.7073 (0.5154~ 0.9704)
INTS6	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0378	0.6268 (0.4034~ 0.9740)
IRF5	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0368	0.8071 (0.6601~ 0.9869)
IRS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	2.5162 (1.5066~ 4.2023)
ISCA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	<0.001	0.6398 (0.5043~ 0.8118)
ISG20	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	<0.001	1.6433 (1.2990~ 2.0788)
ISG20L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	6.2060 (2.3111~ 16.6651)
ISOC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0060	0.3758 (0.1869~ 0.7557)
ITFG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0010	2.8584 (1.5259~ 5.3546)
ITGA4	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0064	1.3583 (1.0901~ 1.6924)
ITGAD	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	<0.001	0.6098 (0.4564~ 0.8147)
ITGAL	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0028	2.4495 (1.3612~ 4.4081)
ITGAM	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0047	0.1607 (0.0453~ 0.5702)
ITGAX	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0360	0.8510 (0.7318~ 0.9895)
ITGB1BP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0327	1.5200 (1.0351~ 2.2320)
ITIH2	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0021	0.4371 (0.2580~ 0.7406)
ITIH4	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0387	0.8133 (0.6686~ 0.9893)
ITK	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0214	1.9304 (1.1026~ 3.3796)
ITM2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	0.4718 (0.3030~ 0.7345)
ITM2C	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0163	0.5890 (0.3824~ 0.9072)
ITPKB~IT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0337	1.3371 (1.0226~ 1.7482)
JAK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0239	1.7006 (1.0729~ 2.6956)
JAZF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0369	0.7536 (0.5778~ 0.9829)
JHDM1D	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0216	0.4830 (0.2595~ 0.8988)
JMJD7	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0376	1.8312 (1.0353~ 3.2390)
JSRP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0079	4.4227 (1.4776~ 13.2378)
KATNAL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0170	2.6927 (1.1938~ 6.0733)
KATNBL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0252	0.4213 (0.1977~ 0.8980)
KB~431C1.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0129	0.7754 (0.6345~ 0.9475)
KB~431C1.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0013	0.7515 (0.6317~ 0.8940)
KCNB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0106	0.4558 (0.2495~ 0.8329)
KCNJ10	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0400	0.3573 (0.1338~ 0.9542)
KCNJ15	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0184	0.7118 (0.5365~ 0.9443)

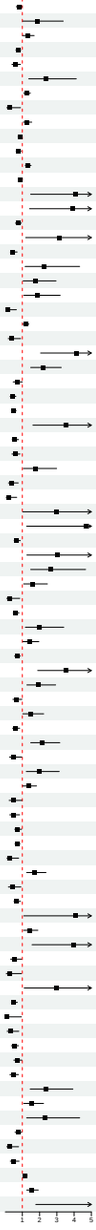
KCNK17	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0380	1.2194 (1.0110– 1.4707)
KCNK6	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0059	0.4450 (0.2500– 0.7920)
KCNMB4	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0135	0.6999 (0.5273– 0.9291)
KCNQ5	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0327	1.6765 (1.0434– 2.6939)
KDM1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	0.3079 (0.1848– 0.5130)
KHNYN	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0415	0.7788 (0.6124– 0.9905)
KHSRP	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0261	0.1127 (0.0165– 0.7710)
KIAA0226L	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0036	1.6018 (1.1659– 2.2006)
KIAA0247	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0198	1.6369 (1.0813– 2.4779)
KIAA1109	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0061	0.2293 (0.0801– 0.6565)
KIAA1279	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	19.8507 (5.7069– 69.0482)
KIAA1407	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0394	0.3662 (0.1408– 0.9523)
KIAA1522	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0430	1.9693 (1.0216– 3.7962)
KIAA1524	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0043	0.4797 (0.2898– 0.7941)
KIAA1551	Acute Lymphoblastic Leukemia	Inverse variance weighted	56	0.0348	1.3258 (1.0204– 1.7225)
KIAA1737	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0088	1.3607 (1.0808– 1.7130)
KIAA2013	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	<0.001	1.3111 (1.1234– 1.5303)
KIF19	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0355	0.3968 (0.1676– 0.9394)
KIF20B	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0078	2.1935 (1.2301– 3.9115)
KIF24	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0326	0.2692 (0.0808– 0.8969)
KIF26A	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	0.4367 (0.2910– 0.6554)
KIF27	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0222	1.9051 (1.0965– 3.3100)
KIR3DL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0156	1.2932 (1.0499– 1.5929)
KLC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	<0.001	0.5897 (0.4354– 0.7986)
KLF10	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0107	6.7879 (1.5605– 29.5260)
KLF12	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0290	0.4660 (0.2348– 0.9248)
KLF9	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0202	0.3663 (0.1569– 0.8550)
KLHDC7A	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0047	6.2917 (1.7593– 22.5014)
KLHL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0291	0.6028 (0.3827– 0.9497)
KNDC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0103	1.7630 (1.1433– 2.7188)
KRIT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0425	0.2295 (0.0554– 0.9516)
KRT18P8	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0183	0.6957 (0.5147– 0.9403)
KRT8P12	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.6285 (0.4973– 0.7943)
KTN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0312	0.6179 (0.3988– 0.9575)
L1TD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0253	1.4259 (1.0449– 1.9459)
L3MBTL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0085	0.5922 (0.4008– 0.8751)
L3MBTL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	72	0.0061	1.2552 (1.0671– 1.4764)
LA16c-358B7.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0077	0.6521 (0.4760– 0.8933)
LBH	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0108	1.7226 (1.1339– 2.6170)
LCA5L	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0019	0.4735 (0.2957– 0.7582)
LDLRAD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0427	4.1755 (1.0479– 16.6375)
LEMD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	0.3132 (0.1623– 0.6045)
LGALS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	74	0.0429	1.1221 (1.0037– 1.2544)
LIG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0167	0.5830 (0.3747– 0.9070)
LILRB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0241	0.6463 (0.4423– 0.9443)
LIMS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0111	1.4647 (1.0909– 1.9664)
LIN7A	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0396	0.6986 (0.4965– 0.9831)
LIN9	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0321	0.2065 (0.0488– 0.8740)
LINC00092	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0357	2.6404 (1.0670– 6.5339)
LINC00526	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0156	2.1908 (1.1600– 4.1376)
LINC00565	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0460	1.1515 (1.0025– 1.3226)
LINC00665	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0057	1.2646 (1.0706– 1.4937)
LINC00683	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0298	1.3189 (1.0274– 1.6932)
LL22NC03-86G7.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0114	1.4341 (1.0847– 1.8960)
LMBR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0014	1.6953 (1.2273– 2.3417)
LMCD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0075	2.0037 (1.2035– 3.3361)
LMF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0048	0.2686 (0.1077– 0.6701)
LMNA	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0220	0.4984 (0.2746– 0.9046)
LMTK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0094	0.4096 (0.2088– 0.8036)
LNX2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0236	0.4363 (0.2128– 0.8946)
LOXL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0044	0.4643 (0.2738– 0.7873)
LPAR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0247	1.3566 (1.0396– 1.7703)
LPCAT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	59	<0.001	0.6605 (0.5434– 0.8028)
LPIN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	64	<0.001	1.5831 (1.3010– 1.9265)
LRFN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0382	0.6003 (0.3705– 0.9726)
LRP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	<0.001	2.5766 (1.8961– 3.5012)
LRRC32	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0169	0.1733 (0.0411– 0.7296)
LRRC33	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0406	0.7726 (0.6035– 0.9890)
LRRC37A16P	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0018	0.7366 (0.6082– 0.8922)
LRRC37A4P	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0082	0.8483 (0.7508– 0.9583)
LRRC4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	0.1292 (0.0564– 0.2958)
LRRC6	Acute Lymphoblastic Leukemia	Inverse variance weighted	65	0.0026	0.8096 (0.7057– 0.9287)
LRRFIP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0166	1.4211 (1.0661– 1.8943)
LRRIQ3	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0041	1.9355 (1.2336– 3.0368)
LRWD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0020	1.3922 (1.1290– 1.7169)
LSM14B	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0274	0.3338 (0.1259– 0.8848)
LSM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0296	0.7783 (0.6211– 0.9755)
LSP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0246	0.4078 (0.1865– 0.8915)
LSR	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0394	0.4971 (0.2557– 0.9667)
LTBR	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0018	1.9555 (1.2848– 2.9764)
LY86	Acute Lymphoblastic Leukemia	Inverse variance weighted	65	0.0468	1.2175 (1.0028– 1.4782)
LYG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0114	0.7291 (0.5708– 0.9313)
LYRM4	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0383	1.2679 (1.0129– 1.5872)
MAGI2-AS3	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0013	0.7579 (0.6404– 0.8970)
MAK16	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0080	0.3404 (0.1536– 0.7545)
MAML3	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0304	0.7306 (0.5499– 0.9707)
MAN1B1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0239	1.3231 (1.0377– 1.6870)
MAN2B1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0339	0.8146 (0.6740– 0.9846)
MANEA	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	0.0225	0.8015 (0.6628– 0.9693)
MANSC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0295	2.2862 (1.0860– 4.8128)
MAP3K9	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0447	1.7118 (1.0129– 2.8932)
MAP4K5	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0376	0.2310 (0.0580– 0.9194)
MAP7D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0033	1.7731 (1.2101– 2.5982)
MARC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0049	1.4857 (1.1275– 1.9578)
6-Mar	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0045	1.6099 (1.1591– 2.2362)
MARK4	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	0.5347 (0.3700– 0.7725)
MARVELD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0038	0.1220 (0.0294– 0.5067)
MAVS	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0187	2.0928 (1.1306– 3.8736)
MAX	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0344	1.7319 (1.0412– 2.8809)
MBOAT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	0.0885 (0.0341– 0.2297)
MBTPS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0244	1.2819 (1.0327– 1.5914)
MCM3AP	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0316	0.7481 (0.5742– 0.9747)
MCM4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0438	2.4418 (1.0253– 5.8153)
MCTP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	61	0.0079	1.3536 (1.0827– 1.6924)
MDM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0167	0.5438 (0.3302– 0.8955)
MDS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0136	0.4669 (0.2549– 0.8552)
MED11	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0078	5.7860 (1.5893– 21.0652)
MED17	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0176	0.4191 (0.2044– 0.8593)
MED22	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	<0.001	1.9944 (1.4647– 2.7156)
MED4	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0414	1.3039 (1.0104– 1.6827)
MEGF9	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0117	0.7132 (0.5485– 0.9274)
MERTK	Acute Lymphoblastic Leukemia	Inverse variance weighted	56	0.0277	1.2374 (1.0236– 1.4959)
METTL13	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	<0.001	1.4659 (1.1724– 1.8330)
METTL22	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0011	1.6801 (1.2289– 2.2971)
METTL2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0148	0.6106 (0.4106– 0.9079)
MFHAS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	62	<0.001	0.5626 (0.4109– 0.7704)
MFN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	<0.001	1.3509 (1.1637– 1.5684)
MFSD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0040	6.6374 (1.8297– 24.0776)
MFSD6L	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0427	3.3928 (1.0409– 11.0592)
MGA	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	3.9375 (1.7718– 8.7505)
MGAT4B	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0410	2.3519 (1.0356– 5.3410)
MGLL	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0286	0.3720 (0.1535– 0.9017)
MICA	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	<0.001	1.2342 (1.0978– 1.3875)
MIEN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0363	4.3314 (1.0981– 17.0848)
MIOS	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0194	2.6673 (1.1718– 6.0715)
MIR378I	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0289	0.4578 (0.2271– 0.9228)
MIR4420	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0108	0.6360 (0.4490– 0.9007)
MIS12	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0163	0.7362 (0.5734– 0.9452)
MIS18BP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0037	2.6919 (1.3791– 5.2542)
MKKS	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0015	1.5296 (1.1758– 1.9900)
MKNK1-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	1.5868 (1.2328– 2.0425)
MKNK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0043	1.7139 (1.1842– 2.4804)
MLKL	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	<0.001	1.9913 (1.4763– 2.6859)
MLLT11	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0119	0.4806 (0.2716– 0.8505)
MLLT6	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0168	2.8397 (1.2072– 6.6796)
MMP14	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0137	0.1484 (0.0326– 0.6759)
MNT	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0112	0.1646 (0.0408– 0.6631)
MOAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0018	0.2091 (0.0784– 0.5576)
MOB3C	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	1.9636 (1.4704– 2.6221)
MON1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	61	0.0179	0.7819 (0.6378– 0.9585)
MORC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0011	0.5525 (0.3865– 0.7897)
MORN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0011	0.3104 (0.1541– 0.6250)
MPC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	1.9851 (1.5049– 2.6186)
MPC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	0.0982 (0.0282– 0.3413)
MPZL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	<0.001	0.6500 (0.5060– 0.8351)
MRGBP	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0468	0.5887 (0.3492– 0.9925)
MRPL34	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0092	0.6863 (0.5171– 0.9109)
MRPL35	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0069	1.7472 (1.1652– 2.6197)
MRPL52	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0417	0.7187 (0.5230– 0.9876)
MRPL55	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0019	0.2913 (0.1338– 0.6340)
MRPS7	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0225	0.7244 (0.5492– 0.9556)

MSANTD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	<0.001	0.2348 (0.1330~ 0.4146)
MSH3	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0184	0.8453 (0.7350~ 0.9720)
MST1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0093	1.9210 (1.1743~ 3.1424)
MTERFD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0400	0.5108 (0.2691~ 0.9697)
MTHFD1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0432	0.4791 (0.2348~ 0.9778)
MTHFD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0200	0.4194 (0.2017~ 0.8723)
MTHFS	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	<0.001	1.7555 (1.3228~ 2.3297)
MTPN	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0240	5.0054 (1.2357~ 20.2758)
MTR	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	4.6834 (2.0036~ 10.9471)
MTRR	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0460	0.8246 (0.6823~ 0.9966)
MUC20	Acute Lymphoblastic Leukemia	Inverse variance weighted	87	<0.001	0.7916 (0.6942~ 0.9027)
MVB12A	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	1.6746 (1.2357~ 2.2693)
MVK	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0442	4.3143 (1.0385~ 17.9226)
MX1	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0153	0.7354 (0.5736~ 0.9429)
MYBPC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0418	1.2170 (1.0073~ 1.4704)
MYCBPAP	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0236	1.6917 (1.0730~ 2.6673)
MYCL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0060	6.7430 (1.7286~ 26.3039)
MYH10	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0033	5.0245 (1.7122~ 14.7448)
MYO19	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0210	2.9943 (1.1801~ 7.5970)
MYO1E	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0148	0.3290 (0.1346~ 0.8041)
MYO5A	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0407	0.6032 (0.3717~ 0.9789)
MYO5B	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0277	0.4477 (0.2189~ 0.9156)
MYO7A	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0166	0.4073 (0.1952~ 0.8496)
MYPOP	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0356	0.2359 (0.0613~ 0.9077)
N6AMT2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0444	10.4625 (1.0602~103.2524)
NAIP	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0277	0.5523 (0.3255~ 0.9371)
NANOS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0139	0.5937 (0.3918~ 0.8995)
NAPG	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0361	0.7125 (0.5190~ 0.9783)
NAPSA	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0270	2.2009 (1.0940~ 4.4277)
NAPSB	Acute Lymphoblastic Leukemia	Inverse variance weighted	78	0.0146	1.1950 (1.0358~ 1.3787)
NAT6	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0485	2.1433 (1.0050~ 4.5711)
NBPF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0108	0.6582 (0.4772~ 0.9080)
NBPF2P	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0158	0.8391 (0.7277~ 0.9676)
NCAPD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0216	1.2933 (1.0384~ 1.6107)
NCEH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0133	0.4532 (0.2421~ 0.8483)
NCF1C	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0238	0.7824 (0.6324~ 0.9680)
NCKAP1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0399	0.4189 (0.1827~ 0.9605)
NDUFAF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0195	4.0731 (1.2540~ 13.2291)
NDUFC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0246	2.3371 (1.1147~ 4.8997)
NDUFS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0068	2.1488 (1.2349~ 3.7390)
NEDD9	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0221	2.2759 (1.1255~ 4.6023)
NEFH	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0301	0.6435 (0.4320~ 0.9585)
NELFCD	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0457	0.8261 (0.6849~ 0.9964)
NELL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0050	0.6786 (0.5176~ 0.8896)
NEO1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	<0.001	1.6758 (1.2596~ 2.2296)
NFRKB	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	2.2341 (1.4443~ 3.4556)
NFYA	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0482	1.8786 (1.0050~ 3.5115)
NHSL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0231	0.4604 (0.2358~ 0.8988)
NINJ1	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0125	1.4206 (1.0784~ 1.8715)
NIPA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0263	1.6739 (1.0627~ 2.6366)
NIPAL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	0.3610 (0.2117~ 0.6154)
NIPSNAP3A	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0076	1.4317 (1.1001~ 1.8634)
NLRC4	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0014	2.3534 (1.3926~ 3.9773)
NLRP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0011	1.4274 (1.1535~ 1.7664)
NMB	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0057	0.5813 (0.3956~ 0.8541)
NME8	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0089	1.3864 (1.0852~ 1.7711)
NNT	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0359	1.2739 (1.0160~ 1.5971)
NOD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	71	<0.001	0.7419 (0.6421~ 0.8572)
NOL9	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0362	1.9541 (1.0441~ 3.6573)
NOM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	0.4162 (0.2644~ 0.6554)
NPC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0196	0.5784 (0.3652~ 0.9161)
NRBP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0324	0.5749 (0.3462~ 0.9548)
NRDE2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0137	0.6613 (0.4760~ 0.9188)
NRG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	73	0.0358	1.1794 (1.0110~ 1.3758)
NRP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0054	0.6340 (0.4599~ 0.8739)
NSFL1C	Acute Lymphoblastic Leukemia	Inverse variance weighted	64	0.0232	0.8138 (0.6813~ 0.9722)
NSUN5P2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0075	0.7895 (0.6638~ 0.9389)
NSUN7	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0010	0.5798 (0.4190~ 0.8022)
NT5DC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0312	0.7187 (0.5322~ 0.9705)
NTPCR	Acute Lymphoblastic Leukemia	Inverse variance weighted	78	0.0026	0.8447 (0.7568~ 0.9428)
NUC81	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0450	1.2782 (1.0055~ 1.6248)
NUFIP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0014	0.4880 (0.3141~ 0.7582)
NUP85	Acute Lymphoblastic Leukemia	Inverse variance weighted	48	<0.001	1.7087 (1.3506~ 2.1617)
NUP88	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0236	0.7094 (0.5269~ 0.9550)
NUPL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0038	1.4945 (1.1389~ 1.9611)
OAS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	67	0.0354	0.8173 (0.6772~ 0.9863)
OASL	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0172	1.5086 (1.0756~ 2.1158)
OBSCN	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0241	2.3167 (1.1167~ 4.8064)
OCEL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	<0.001	1.9382 (1.4486~ 2.5933)
ODC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0386	3.2093 (1.0629~ 9.6905)
ODF3B	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0190	0.6964 (0.5147~ 0.9424)
OPRL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0308	1.2914 (1.0239~ 1.6288)
OR13A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0221	1.5570 (1.0656~ 2.2752)
OR2A9P	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0041	0.7334 (0.5937~ 0.9061)
OR7D2	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0076	1.2281 (1.0561~ 1.4281)
OR7E14P	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0343	1.2812 (1.0184~ 1.6117)
ORC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0018	9.5341 (2.3222~ 39.1438)
OSBPL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	<0.001	0.5673 (0.4095~ 0.7858)
OSBPL8	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0284	0.8048 (0.6628~ 0.9773)
OSGIN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0059	1.9438 (1.2112~ 3.1194)
OTOF	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	0.3622 (0.2104~ 0.6233)
P2RX4	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0426	1.2661 (1.0079~ 1.5904)
P2RX7	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	<0.001	0.4931 (0.3423~ 0.7104)
PADI4	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0059	0.6490 (0.4769~ 0.8831)
PAICS	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0364	4.5184 (1.0998~ 18.5628)
PALD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0391	0.3214 (0.1094~ 0.9446)
PAM16	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0044	1.4351 (1.1193~ 1.8402)
PAN3-AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0355	1.5572 (1.0305~ 2.3530)
PAN3	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0025	3.0968 (1.4889~ 6.4410)
PAPD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0108	0.1346 (0.0288~ 0.6286)
PARD6A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0291	0.1678 (0.0338~ 0.8338)
PARP16	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0031	0.6168 (0.4480~ 0.8492)
PASK	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0034	0.7665 (0.6417~ 0.9155)
PBX4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0174	0.2021 (0.0541~ 0.7552)
PCCA	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0078	1.7827 (1.1644~ 2.7293)
PCED1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0108	1.5649 (1.1090~ 2.2080)
PCGF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0178	2.0055 (1.1281~ 3.5655)
PCK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0333	1.3847 (1.0261~ 1.8687)
PCMT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0491	1.5980 (1.0019~ 2.5487)
PCNX	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0118	0.6996 (0.5298~ 0.9239)
PCNXL3	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0210	0.3058 (0.1118~ 0.8367)
PDCD5	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0041	0.6546 (0.4900~ 0.8744)
PDGFB	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0215	1.5698 (1.0687~ 2.3057)
PDK4	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	<0.001	3.3650 (1.7574~ 6.4434)
PDLIM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0087	0.5398 (0.3406~ 0.8556)
PELO	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0436	0.7897 (0.6278~ 0.9933)
PET112	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0119	0.6366 (0.4478~ 0.9050)
PFKP	Acute Lymphoblastic Leukemia	Inverse variance weighted	63	<0.001	0.7312 (0.6246~ 0.8560)
PGAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	<0.001	0.2371 (0.1214~ 0.4629)
PGK1P2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0118	0.6169 (0.4236~ 0.8984)
PGLS	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	0.2460 (0.1116~ 0.5422)
PGLYRP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0121	0.6151 (0.4208~ 0.8992)
PGLYRP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0175	2.5921 (1.1812~ 5.6883)
PGP	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0493	1.9024 (1.0020~ 3.6118)
PHACTR4	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0113	1.9523 (1.1634~ 3.2760)
PHB	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0287	4.1256 (1.1590~ 14.6860)
PHF11	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0235	0.6852 (0.4940~ 0.9504)
PHF14	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0199	2.6589 (1.1671~ 6.0574)
PHF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	6.1723 (2.5762~ 14.7883)
PHKG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0033	0.0774 (0.0141~ 0.4263)
PHLDB3	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0081	1.4495 (1.1010~ 1.9084)
PHOSPHO2	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0126	0.7188 (0.5545~ 0.9316)
PHPT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0276	1.6195 (1.0547~ 2.4869)
PIEZO1	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0401	1.2979 (1.0119~ 1.6649)
PIGL	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0311	0.5221 (0.2892~ 0.9426)
PIGZ	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0018	1.6912 (1.2166~ 2.3511)
PIK3IP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	0.0193	1.3326 (1.0478~ 1.6948)
PINK1-AS	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0381	0.6910 (0.4872~ 0.9799)
PINK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0186	1.8824 (1.1115~ 3.1881)
PIP4K2A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0192	4.5920 (1.2815~ 16.4549)
PISD	Acute Lymphoblastic Leukemia	Inverse variance weighted	91	0.0032	1.2458 (1.0762~ 1.4421)
PITPNC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0011	2.7090 (1.4866~ 4.9367)
PITRM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0251	0.7670 (0.6081~ 0.9674)
PKD1P6	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0151	0.5912 (0.3868~ 0.9035)
PKDREJ	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0186	7.1807 (1.3898~ 37.1012)
PKHD1L1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0464	3.0245 (1.0176~ 8.9895)
PLA2G4B	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	<0.001	2.0189 (1.5219~ 2.6782)
PLD6	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0166	0.7824 (0.6401~ 0.9563)
PLEC	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0042	0.5555 (0.3713~ 0.8309)
PLEKHA3	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0464	1.9789 (1.0109~ 3.8738)
PLEKHB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0275	1.5943 (1.0531~ 2.4137)
PLEKHG5	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0137	2.2074 (1.1759~ 4.1437)

PLGLB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0339	0.8326 (0.7030~ 0.9862)
PLLP	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0341	0.2849 (0.0892~ 0.9104)
PLOD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	<0.001	1.4047 (1.1667~ 1.6913)
PLXDC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0058	1.7086 (1.1679~ 2.4997)
PNPLA7	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0012	1.3794 (1.1354~ 1.6759)
POC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0032	1.4817 (1.1412~ 1.9239)
PODXL	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0059	5.0810 (1.5969~ 16.1665)
POGZ	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0151	0.4116 (0.2011~ 0.8425)
POLL	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0308	0.1814 (0.0385~ 0.8539)
POLR2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0329	2.4987 (1.0772~ 5.7958)
POM121B	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0049	1.2976 (1.0824~ 1.5555)
POPDC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0209	1.5039 (1.0638~ 2.1261)
PP13439	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0318	1.2540 (1.0198~ 1.5420)
PPA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0365	0.8076 (0.6611~ 0.9867)
PPARG	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0496	0.6752 (0.4562~ 0.9992)
PPIE	Acute Lymphoblastic Leukemia	Inverse variance weighted	72	0.0049	0.8141 (0.7055~ 0.9395)
PPIEL	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0084	1.4223 (1.0945~ 1.8483)
PPM1F	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0438	1.2727 (1.0068~ 1.6088)
PPM1G	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0168	0.2543 (0.0828~ 0.7814)
PPM1K	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0136	0.4408 (0.2300~ 0.8451)
PPM1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0424	1.4596 (1.0130~ 2.1031)
PPOX	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0281	1.9627 (1.0752~ 3.5830)
PPP1R13B	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0473	4.8750 (1.0191~ 23.3193)
PPP1R14A	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0057	1.8714 (1.1997~ 2.9190)
PPP2R1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0026	0.5016 (0.3202~ 0.7859)
PPP2R2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0148	2.2468 (1.1717~ 4.3086)
PPP6R1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	5.2622 (1.9677~ 14.0731)
PRC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0144	0.4241 (0.2133~ 0.8431)
PRDX3	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0072	1.8412 (1.1799~ 2.8731)
PRELID1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0025	0.7503 (0.6230~ 0.9037)
PRG4	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0013	2.9058 (1.5188~ 5.5593)
PRICKLE1	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	2.4938 (1.4952~ 4.1592)
PRKAB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0392	0.7753 (0.6088~ 0.9874)
PRKAB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0078	1.3876 (1.0900~ 1.7665)
PRKCD	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	<0.001	3.0043 (1.5889~ 5.6805)
PRKG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0303	0.3137 (0.1098~ 0.8958)
PRLR	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0303	2.8562 (1.1049~ 7.3830)
PRMT6	Acute Lymphoblastic Leukemia	Inverse variance weighted	54	0.0152	0.7602 (0.6092~ 0.9486)
PROC	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0297	2.1985 (1.0804~ 4.4735)
PROSER2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0435	1.7181 (1.0160~ 2.9055)
PRPF40A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0016	0.0792 (0.0164~ 0.3831)
PRPS1P2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0386	0.5224 (0.2823~ 0.9665)
PRPSAP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0083	0.4715 (0.2699~ 0.8239)
PRR24	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0360	1.2948 (1.0170~ 1.6485)
PRR4	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0096	0.6944 (0.5269~ 0.9152)
PSMD9	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0191	0.4352 (0.2170~ 0.8729)
PSPHP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0280	0.8750 (0.7768~ 0.9857)
PSTK	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0301	0.5543 (0.3252~ 0.9448)
PSTPIP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0147	0.7393 (0.5800~ 0.9424)
PTBP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0012	2.9136 (1.5254~ 5.5652)
PTCH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0119	0.5955 (0.3975~ 0.8921)
PTDSS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0077	0.4285 (0.2296~ 0.7995)
PTER	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0498	1.2428 (1.0002~ 1.5443)
PTGDS	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0022	0.5106 (0.3319~ 0.7856)
PTP4A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0274	0.5928 (0.3725~ 0.9434)
PTPN12	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0075	1.4252 (1.0993~ 1.8477)
PTPRE	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	<0.001	1.7505 (1.2624~ 2.4275)
PVT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	0.3889 (0.2616~ 0.5782)
PZP	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0018	0.7231 (0.5897~ 0.8866)
QPCT	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0085	0.3859 (0.1899~ 0.7841)
QRICH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0473	0.5893 (0.3495~ 0.9936)
RAB12	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0316	2.6480 (1.0899~ 6.4340)
RAB32	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0223	3.0430 (1.1718~ 7.9021)
RAB40B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	3.1523 (1.6047~ 6.1924)
RAB44	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0115	0.7600 (0.6143~ 0.9402)
RAB4B	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0208	1.8888 (1.1016~ 3.2384)
RAB6A	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0251	0.5657 (0.3437~ 0.9312)
RAB8A	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0457	0.7028 (0.4972~ 0.9934)
RABEP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	70	<0.001	1.4987 (1.2695~ 1.7693)
RABEPK	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0061	1.4795 (1.1183~ 1.9574)
RAMP3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0239	2.3206 (1.1175~ 4.8188)
RAP1GAP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0375	0.5271 (0.2883~ 0.9637)
RAP1GDS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	0.4522 (0.2846~ 0.7186)
RAPGEF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	52	<0.001	1.4758 (1.2070~ 1.8046)
RAPGEF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0495	0.6222 (0.3875~ 0.9990)
RAPH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0182	10.1881 (1.4833~ 69.9795)
RARS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	<0.001	0.2952 (0.1453~ 0.5996)
RASA4B	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	<0.001	1.3522 (1.1637~ 1.5712)
RAVER2	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0495	0.6895 (0.4758~ 0.9992)
RB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0137	3.3884 (1.2838~ 8.9430)
RBBP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0207	0.3188 (0.1210~ 0.8397)
RBL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	71	0.0282	0.8335 (0.7084~ 0.9808)
RBM39	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0168	0.2418 (0.0756~ 0.7739)
RCL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0120	2.7175 (1.2459~ 5.9276)
RCN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0300	2.7350 (1.1025~ 6.7849)
RCOR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0014	0.4399 (0.2659~ 0.7280)
RCVRN	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0369	0.7766 (0.6124~ 0.9847)
RDH13	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0082	1.2921 (1.0685~ 1.5625)
RECQL	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0015	2.5284 (1.4247~ 4.4871)
REEP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0490	1.3281 (1.0012~ 1.7616)
RELT	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0209	0.6582 (0.4614~ 0.9387)
REPS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0046	1.7096 (1.1802~ 2.4765)
RETSAT	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	<0.001	0.7248 (0.6021~ 0.8725)
RFWD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0024	0.6752 (0.5243~ 0.8696)
RGL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0276	1.5409 (1.0489~ 2.2638)
RHD	Acute Lymphoblastic Leukemia	Inverse variance weighted	62	0.0102	1.1942 (1.0429~ 1.3674)
RHOH	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0029	7.8815 (2.0270~ 30.6461)
RHOQ	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0186	0.4188 (0.2029~ 0.8644)
RHPN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0057	3.4687 (1.4369~ 8.3736)
RIMKLB	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0053	0.1957 (0.0621~ 0.6163)
RIPK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0031	0.5071 (0.3235~ 0.7948)
RMND1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0475	1.5952 (1.0051~ 2.5317)
RNASE2	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0071	0.7180 (0.5640~ 0.9140)
RNASE3	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	<0.001	0.6274 (0.4950~ 0.7951)
RNF130	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	<0.001	2.6181 (1.5810~ 4.3357)
RNF144A	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	<0.001	0.1825 (0.0824~ 0.4045)
RNF182	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0184	1.1918 (1.0300~ 1.3791)
RNF185	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0160	0.7867 (0.6473~ 0.9563)
RNF219	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	1.9207 (1.3195~ 2.7956)
RNF24	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0182	0.5573 (0.3431~ 0.9053)
RNF40	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0052	0.4070 (0.2166~ 0.7647)
RP1−127C7.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0297	0.4935 (0.2611~ 0.9328)
RP1−197B17.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	0.7208 (0.6122~ 0.8486)
RP1−28O10.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0098	1.4392 (1.0916~ 1.8975)
RP1−97J1.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.6364 (0.4940~ 0.8199)
RP11−104L21.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0025	1.5248 (1.1605~ 2.0036)
RP11−1070N10.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0484	1.2801 (1.0017~ 1.6358)
RP11−107F6.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	0.6415 (0.5251~ 0.7836)
RP11−108K14.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0177	2.0632 (1.1342~ 3.7529)
RP11−111H3.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0479	1.7530 (1.0052~ 3.0570)
RP11−114H24.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0216	1.7595 (1.0866~ 2.8491)
RP11−115C21.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0458	1.2714 (1.0044~ 1.6093)
RP11−115L11.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	0.7725 (0.6652~ 0.8972)
RP11−120K18.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0101	0.7548 (0.6093~ 0.9351)
RP11−1280N14.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0411	1.6490 (1.0204~ 2.6648)
RP11−1319K7.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0066	1.8558 (1.1883~ 2.8984)
RP11−1365D11.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0139	1.4804 (1.0830~ 2.0236)
RP11−1398P2.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0189	0.7650 (0.6117~ 0.9567)
RP11−140A10.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0420	0.6400 (0.4162~ 0.9841)
RP11−142C4.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	<0.001	2.0928 (1.3819~ 3.1693)
RP11−147L13.8	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0195	0.7872 (0.6439~ 0.9622)
RP11−153A23.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0298	0.7150 (0.5283~ 0.9677)
RP11−160H22.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0306	1.4260 (1.0337~ 1.9674)
RP11−164P12.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0120	0.4886 (0.2794~ 0.8544)
RP11−165J3.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	0.6433 (0.5575~ 0.7423)
RP11−16E12.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0431	0.3201 (0.1061~ 0.9654)

RP11−195E2.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0302	0.7832 (0.6280− 0.9768)
RP11−195E2.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0130	0.8164 (0.6957− 0.9581)
RP11−212I21.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0138	1.1890 (1.0360− 1.3646)
RP11−213G21.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0486	1.4375 (1.0022− 2.0618)
RP11−229P13.19	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0185	0.8657 (0.7678− 0.9761)
RP11−229P13.20	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0282	3.2688 (1.1352− 9.4127)
RP11−248C1.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0388	1.1879 (1.0089− 1.3987)
RP11−24F11.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0048	0.5594 (0.3737− 0.8375)
RP11−253D19.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0069	0.5681 (0.3771− 0.8560)
RP11−266K4.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0392	0.5934 (0.3613− 0.9745)
RP11−274B21.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0055	0.4012 (0.2105− 0.7646)
RP11−274B21.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0198	0.7964 (0.6577− 0.9645)
RP11−274B21.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0075	0.8106 (0.6950− 0.9454)
RP11−274B21.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0210	0.8362 (0.7183− 0.9733)
RP11−288L9.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0170	2.2936 (1.1599− 4.5354)
RP11−290F20.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0059	2.0211 (1.2246− 3.3357)
RP11−290F20.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0241	0.8277 (0.7023− 0.9756)
RP11−295P9.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0377	1.1797 (1.0094− 1.3786)
RP11−297N6.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	1.6272 (1.2420− 2.1319)
RP11−318C24.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0248	0.7518 (0.5860− 0.9644)
RP11−326C3.12	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0296	0.8630 (0.7557− 0.9855)
RP11−326C3.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0437	0.7745 (0.6042− 0.9928)
RP11−327F22.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0100	1.4881 (1.0998− 2.0136)
RP11−327F22.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0032	0.7847 (0.6678− 0.9219)
RP11−334C17.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0019	0.8360 (0.7467− 0.9358)
RP11−340F14.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0197	0.6477 (0.4497− 0.9330)
RP11−347I19.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0405	3.0680 (1.0495− 8.9681)
RP11−356I2.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0217	1.3323 (1.0428− 1.7022)
RP11−367J7.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0024	0.5534 (0.3777− 0.8109)
RP11−378J2.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0273	1.2840 (1.0283− 1.6032)
RP11−390P2.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.5465 (0.3946− 0.7570)
RP11−392A22.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0036	1.1925 (1.0593− 1.3425)
RP11−404F10.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0023	0.4247 (0.2452− 0.7357)
RP11−424I19.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0483	0.4588 (0.2118− 0.9941)
RP11−439E19.8	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0440	1.8199 (1.0162− 3.2590)
RP11−439E19.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0114	1.6913 (1.1255− 2.5417)
RP11−445H22.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0250	0.8072 (0.6694− 0.9735)
RP11−452D12.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0238	0.4761 (0.2502− 0.9061)
RP11−458F8.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0050	0.5915 (0.4101− 0.8532)
RP11−459O1.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0090	0.8103 (0.6920− 0.9489)
RP11−464D20.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0055	1.5230 (1.1319− 2.0492)
RP11−465B22.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0095	1.2056 (1.0468− 1.3885)
RP11−472B18.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0176	0.5524 (0.3384− 0.9017)
RP11−535M15.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0346	2.3258 (1.0629− 5.0896)
RP11−539L10.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0022	0.6968 (0.5531− 0.8780)
RP11−540B6.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0452	1.1517 (1.0030− 1.3223)
RP11−548B3.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0141	0.4823 (0.2695− 0.8631)
RP11−54A4.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0034	0.3299 (0.1569− 0.6935)
RP11−54C4.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0260	1.2100 (1.0230− 1.4311)
RP11−551L14.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.3802 (0.2402− 0.6019)
RP11−555K12.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0337	1.6385 (1.0388− 2.5843)
RP11−56M3.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0198	6.4589 (1.3444− 31.0310)
RP11−589N15.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0441	1.6498 (1.0134− 2.6857)
RP11−58E21.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0023	2.3110 (1.3491− 3.9588)
RP11−598F7.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0288	1.5172 (1.0442− 2.2044)
RP11−62H7.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	120	0.0085	0.9006 (0.8331− 0.9736)
RP11−63P12.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0109	1.5102 (1.0997− 2.0738)
RP11−645C24.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0126	1.1949 (1.0390− 1.3742)
RP11−65E22.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0437	4.2045 (1.0411− 16.9794)
RP11−664D1.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0033	1.4352 (1.1278− 1.8265)
RP11−693J15.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0060	0.3104 (0.1347− 0.7152)
RP11−693N9.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0414	0.5845 (0.3489− 0.9792)
RP11−696N14.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0160	1.3525 (1.0579− 1.7291)
RP11−69E11.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0089	1.6378 (1.1314− 2.3709)
RP11−6L6.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0021	1.2164 (1.0736− 1.3781)
RP11−704M14.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0068	0.8194 (0.7093− 0.9466)
RP11−705O3.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0320	0.8509 (0.7342− 0.9862)
RP11−707O23.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0019	1.2251 (1.0781− 1.3922)
RP11−734I18.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0408	1.2046 (1.0078− 1.4398)
RP11−73M18.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0089	0.5926 (0.4003− 0.8772)
RP11−73M18.8	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.7183 (0.5915− 0.8722)
RP11−779O18.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0179	0.6207 (0.4181− 0.9213)
RP11−77H9.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0260	1.3939 (1.0405− 1.8674)
RP11−77P16.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0480	1.1862 (1.0015− 1.4050)
RP11−797H7.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0080	1.1615 (1.0399− 1.2974)
RP11−798G7.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0278	0.7405 (0.5666− 0.9677)
RP11−809N8.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0015	0.5531 (0.3840− 0.7965)
RP11−84C10.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0188	0.8316 (0.7131− 0.9699)
RP11−85F14.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0354	0.7497 (0.5733− 0.9805)
RP11−85K15.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0455	0.7507 (0.5668− 0.9943)
RP11−883A18.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0216	0.5799 (0.3643− 0.9230)
RP11−923I11.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0099	1.4337 (1.0903− 1.8852)
RP11−923I11.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0413	1.6059 (1.0189− 2.5310)
RP11−936I5.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	<0.001	0.5977 (0.4710− 0.7586)
RP11−95P2.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0133	0.6373 (0.4461− 0.9104)
RP11−96H19.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0325	1.1791 (1.0138− 1.3714)
RP13−25N22.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0033	1.4689 (1.1363− 1.8990)
RP13−753N3.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0416	1.5932 (1.0178− 2.4939)
RP13−98N21.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0054	1.1811 (1.0505− 1.3280)
RP13−98N21.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	<0.001	0.8181 (0.7262− 0.9217)
RP3−407E4.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0070	0.7647 (0.6293− 0.9292)
RP3−449M8.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	<0.001	1.5185 (1.1992− 1.9228)
RP3−449M8.9	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	1.6752 (1.2627− 2.2223)
RP3−455J7.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0228	1.4685 (1.0549− 2.0443)
RP3−460G2.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0077	0.8397 (0.7384− 0.9549)
RP3−465N24.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0071	1.1648 (1.0424− 1.3016)
RP4−576H24.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0301	1.9869 (1.0685− 3.6947)
RP4−584D14.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0108	0.5069 (0.3006− 0.8548)
RP4−647C14.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0241	1.7155 (1.0732− 2.7422)
RP4−655C5.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0038	0.6257 (0.4554− 0.8597)
RP4−659J6.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0131	1.4476 (1.0807− 1.9392)
RP4−673D20.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0126	0.6557 (0.4707− 0.9136)
RP4−673D20.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0179	0.6837 (0.4991− 0.9367)
RP4−673D20.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0085	0.6163 (0.4297− 0.8839)
RP4−740C4.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.4552 (0.3047− 0.6801)
RP4−753D10.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0305	0.7145 (0.5269− 0.9689)
RP4−798C17.5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0328	1.3240 (1.0232− 1.7134)
RP4−798C17.6	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0021	1.7470 (1.2234− 2.4946)
RP4−800G7.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0055	0.7308 (0.5857− 0.9120)
RP5−1021I20.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	41	0.0250	1.1221 (1.0146− 1.2412)
RP5−1074L1.1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0380	0.6210 (0.3960− 0.9739)
RP5−1085F17.3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0283	1.5876 (1.0502− 2.3999)
RP5−1112D6.4	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	<0.001	0.5930 (0.4427− 0.7945)
RP5−821D11.7	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0215	1.2426 (1.0325− 1.4954)
RPA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0426	0.7264 (0.5333− 0.9893)
RPA3	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0023	3.3657 (1.5414− 7.3490)
RPAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	<0.001	0.5805 (0.4325− 0.7791)
RPGRIP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0232	0.5789 (0.3610− 0.9281)
RPL12	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0016	0.8041 (0.7022− 0.9208)
RPL13A	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	1.6500 (1.2455− 2.1857)
RPL23AP53	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0083	0.5591 (0.3630− 0.8610)
RPL28	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	0.6258 (0.4912− 0.7973)
RPL7AP64	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0128	0.7180 (0.5531− 0.9320)
RPP25L	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0050	0.6025 (0.4232− 0.8579)
RPRM	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0217	1.5224 (1.0634− 2.1793)
RPS6KA5	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0210	0.5799 (0.3652− 0.9210)
RRAGD	Acute Lymphoblastic Leukemia	Inverse variance weighted	59	0.0013	1.4206 (1.1468− 1.7599)
RREB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0411	0.4584 (0.2169− 0.9689)
RRN3P1	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0057	0.7445 (0.6039− 0.9179)
RRNAD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0307	0.4518 (0.2197− 0.9290)
RSAD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0013	2.4913 (1.4279− 4.3467)
RSBN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0142	0.3078 (0.1200− 0.7896)
RSBN1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0050	0.3560 (0.1730− 0.7326)
RYBP	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0266	0.7328 (0.5566− 0.9646)
RYR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	0.3856 (0.2344− 0.6342)
S100A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0214	2.5808 (1.1505− 5.7892)
S100P	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0324	1.1864 (1.0145− 1.3874)
S100Z	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0219	0.5554 (0.3359− 0.9183)
SAMD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0166	1.3220 (1.0521− 1.6613)
SAMM50	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	<0.001	0.6608 (0.5443− 0.8024)
SARM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0354	0.5813 (0.3506− 0.9637)
SATB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0466	2.1015 (1.0113− 4.3672)
SCCPDH	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0044	1.6515 (1.1696− 2.3321)
SCFD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0321	0.3533 (0.1364− 0.9149)
SCMH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	3.8807 (1.7539− 8.5864)
SDHAF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	<0.001	0.2877 (0.1544− 0.5359)
SDHDP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0018	1.1844 (1.0648− 1.3175)
SEC22A	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0217	0.4008 (0.1836− 0.8750)
SEMA4A	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	0.0022	0.7228 (0.5871− 0.8899)
SEPT11	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0025	2.2316 (1.3273− 3.7519)
SEPW1	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0167	1.6904 (1.0998− 2.5981)
SERINC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0252	0.7188 (0.5384− 0.9597)

SERINC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0036	2.0335 (1.2611~ 3.2788)
SERPINB2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0013	0.3364 (0.1734~ 0.6527)
SERPINB6	Acute Lymphoblastic Leukemia	Inverse variance weighted	52	0.0349	0.8587 (0.7454~ 0.9893)
SERPINH1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0240	1.8477 (1.0841~ 3.1494)
SETD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	<0.001	2.0718 (1.3984~ 3.0695)
SETD9	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0479	1.2122 (1.0018~ 1.4667)
SETDB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0117	0.2611 (0.0919~ 0.7414)
SFI1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0023	1.5452 (1.1680~ 2.0442)
SFMBT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0253	3.3994 (1.1631~ 9.9354)
SFT2D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	1.6268 (1.2753~ 2.0752)
SGCE	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0191	0.5899 (0.3794~ 0.9173)
SH2B3	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0421	1.8528 (1.0223~ 3.3578)
SH2D3C	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0210	5.6967 (1.3002~ 24.9598)
SH3BP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0031	0.5580 (0.3789~ 0.8216)
SH3PXD2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0185	2.0433 (1.1275~ 3.7032)
SHE	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0239	4.7885 (1.2302~ 18.6388)
SHKBP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	62	0.0019	0.7383 (0.6096~ 0.8941)
SHROOM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0110	1.7374 (1.1348~ 2.6601)
SIGLEC14	Acute Lymphoblastic Leukemia	Inverse variance weighted	67	0.0014	1.2819 (1.1009~ 1.4926)
SIL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0149	3.4957 (1.2760~ 9.5764)
SIRT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0114	1.2735 (1.0561~ 1.5356)
SIX5	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0422	0.2687 (0.0756~ 0.9548)
SKAP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	76	0.0465	0.8621 (0.7449~ 0.9977)
SLAMF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	<0.001	0.2356 (0.1043~ 0.5321)
SLBP	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0129	2.1366 (1.1746~ 3.8868)
SLC11A2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	7.5545 (2.5716~ 22.1927)
SLC12A9	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0471	2.2886 (1.0106~ 5.1828)
SLC13A4	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0259	0.5720 (0.3499~ 0.9351)
SLC16A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0051	0.2036 (0.0668~ 0.6209)
SLC16A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0017	0.5811 (0.4141~ 0.8155)
SLC16A6	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0075	1.6968 (1.1513~ 2.5008)
SLC17A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	<0.001	1.9368 (1.3473~ 2.7843)
SLC17A9	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0076	0.4695 (0.2696~ 0.8176)
SLC23A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0038	0.6615 (0.5002~ 0.8748)
SLC24A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0304	0.2063 (0.0494~ 0.8615)
SLC25A19	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0083	10.4631 (1.8327~ 59.7339)
SLC25A22	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0284	5.0478 (1.1866~ 21.4725)
SLC25A34	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0394	0.7333 (0.5459~ 0.9850)
SLC25A46	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0296	2.9754 (1.1139~ 7.9480)
SLC29A4	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0212	0.4383 (0.2173~ 0.8839)
SLC2A6	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0041	4.6047 (1.6234~ 13.0613)
SLC35A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0055	2.9172 (1.3690~ 6.2160)
SLC35B4	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	<0.001	2.5411 (1.4618~ 4.4175)
SLC35C1	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0060	1.9870 (1.2174~ 3.2433)
SLC35D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0079	0.5918 (0.4018~ 0.8716)
SLC35D2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0229	0.3953 (0.1777~ 0.8794)
SLC35E3	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0429	0.6612 (0.4431~ 0.9869)
SLC35E4	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0298	3.7239 (1.1376~ 12.1906)
SLC37A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0028	2.3389 (1.3394~ 4.0841)
SLC37A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0112	0.5419 (0.3376~ 0.8699)
SLC41A3	Acute Lymphoblastic Leukemia	Inverse variance weighted	67	0.0041	0.7833 (0.6630~ 0.9255)
SLC48A1	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0152	0.7134 (0.5431~ 0.9371)
SLC51A	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0310	0.4160 (0.1875~ 0.9229)
SLC5A11	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0054	1.5981 (1.1487~ 2.2233)
SLC5A6	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0066	0.6573 (0.4856~ 0.8897)
SLC6A12	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0044	0.5423 (0.3558~ 0.8266)
SLC6A16	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0132	2.4998 (1.2110~ 5.1602)
SLC7A10	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0249	11.2228 (1.3570~ 92.8180)
SLC7A7	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0026	0.5672 (0.3924~ 0.8199)
SLC7A8	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0217	1.3074 (1.0400~ 1.6436)
SLC9A3R1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.3490 (0.1866~ 0.6526)
SLX4IP	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0112	2.5692 (1.2391~ 5.3269)
SMAD5	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	<0.001	1.4997 (1.1809~ 1.9044)
SMC1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0117	0.3872 (0.1852~ 0.8097)
SMC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0045	2.4487 (1.3199~ 4.5429)
SMC4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0034	0.3262 (0.1541~ 0.6904)
SMG9	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0274	0.3505 (0.1380~ 0.8899)
SMIM16	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0053	0.3547 (0.1713~ 0.7345)
SMIM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0078	0.3183 (0.1369~ 0.7401)
SMPD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0088	1.5877 (1.1237~ 2.2432)
SMPD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0271	0.3456 (0.1347~ 0.8867)
SNHG5	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0290	0.7449 (0.5719~ 0.9703)
SNORA16	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0101	0.8317 (0.7229~ 0.9570)
SNORA45	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0080	0.1149 (0.0232~ 0.5686)
SOD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0299	0.7406 (0.5648~ 0.9713)
SORBS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0375	0.1174 (0.0156~ 0.8831)
SOS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0357	0.3311 (0.1180~ 0.9287)
SOX4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0231	3.8657 (1.2042~ 12.4099)
SP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0018	0.4854 (0.3085~ 0.7638)
SPAG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0140	0.6531 (0.4650~ 0.9173)
SPATA24	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0479	2.2436 (1.0074~ 4.9971)
SPATA32	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0132	2.0879 (1.1662~ 3.7378)
SPATA7	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0321	0.5832 (0.3562~ 0.9548)
SPATC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0102	0.3110 (0.1275~ 0.7583)
SPCS3	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0035	0.3316 (0.1581~ 0.6954)
SPDYE6	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0058	0.7677 (0.6363~ 0.9262)
SPECC1L	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0355	1.5731 (1.0313~ 2.3996)
SPEF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0076	3.1313 (1.3545~ 7.2389)
SPIRE1	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0013	1.4997 (1.1709~ 1.9208)
SPRYD4	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0198	0.7632 (0.6080~ 0.9581)
SPSB1	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0331	1.5937 (1.0381~ 2.4468)
SPTBN1	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0170	1.4788 (1.0724~ 2.0393)
SPTBN5	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0230	1.6273 (1.0694~ 2.4763)
SPTLC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0241	0.7290 (0.5539~ 0.9594)
SRBD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0290	1.3590 (1.0320~ 1.7896)
SRD5A3~AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0341	0.7753 (0.6126~ 0.9811)
SRI	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0320	0.1673 (0.0326~ 0.8577)
SRPK2	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0058	0.2270 (0.0791~ 0.6515)
SSH2	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0397	1.2432 (1.0103~ 1.5297)
ST6GALNAC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0368	0.7035 (0.5057~ 0.9787)
ST7L	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	0.0191	0.7087 (0.5314~ 0.9452)
ST8SIA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0491	0.4511 (0.2041~ 0.9970)
STAG3	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0203	1.3478 (1.0476~ 1.7340)
STAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0050	3.3173 (1.4357~ 7.6648)
STK10	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0027	3.7974 (1.5864~ 9.0899)
STK33	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	<0.001	0.3198 (0.1823~ 0.5611)
STK36	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0496	0.3172 (0.1008~ 0.9980)
STK38L	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	<0.001	8.8259 (2.6687~ 29.1884)
STPG1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0022	7.2203 (2.0422~ 25.5281)
SUCLA2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0269	1.9801 (1.0814~ 3.6260)
SUCLG2	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0036	1.3631 (1.1062~ 1.6795)
SUPT20H	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0459	0.6831 (0.4698~ 0.9930)
SUPT3H	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	0.0021	1.5268 (1.1653~ 2.0005)
SUPV3L1	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0389	1.4467 (1.0190~ 2.0539)
SURF6	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	<0.001	1.7253 (1.3118~ 2.2690)
SUZ12P	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0134	0.7413 (0.5848~ 0.9397)
SYDE2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0297	0.1809 (0.0387~ 0.8451)
SYK	Acute Lymphoblastic Leukemia	Inverse variance weighted	53	0.0406	1.2593 (1.0099~ 1.5704)
SYN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0214	2.1190 (1.1178~ 4.0169)
SYTL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0230	0.4934 (0.2683~ 0.9073)
SYTL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	42	<0.001	1.5440 (1.1958~ 1.9937)
TACC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	2.1539 (1.5549~ 2.9836)
TAF1D	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0071	2.1293 (1.2278~ 3.6928)
TANK	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	<0.001	2.2242 (1.5209~ 3.2527)
TAPBP	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0050	2.6365 (1.3396~ 5.1887)
TAPT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0350	0.6426 (0.4260~ 0.9694)
TBC1D2B	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0162	1.8978 (1.1258~ 3.1994)
TBC1D30	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0317	1.3854 (1.0289~ 1.8654)
TBC1D3F	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0201	1.4805 (1.0635~ 2.0610)
TBC1D9B	Acute Lymphoblastic Leukemia	Inverse variance weighted	50	0.0074	1.3990 (1.0942~ 1.7888)
TBCK	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0043	1.8634 (1.2161~ 2.8553)
TBK1BP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	0.0080	0.7798 (0.6488~ 0.9372)
TBPL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0137	0.3994 (0.1925~ 0.8286)
TCF19	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	<0.001	0.6488 (0.5387~ 0.7813)
TCL1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0225	1.7500 (1.0821~ 2.8302)
TCTEX1D1	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	0.4779 (0.3225~ 0.7082)
TCTEX1D2	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0448	0.7607 (0.5824~ 0.9937)
TCTN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	<0.001	0.4470 (0.2839~ 0.7039)
TEFM	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0076	0.7020 (0.5414~ 0.9104)
TEK	Acute Lymphoblastic Leukemia	Inverse variance weighted	56	<0.001	1.5562 (1.2568~ 1.9268)
TF	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0208	2.8971 (1.1755~ 7.1398)
TFDP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0060	5.1858 (1.6028~ 16.7806)
TFRC	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0068	0.6260 (0.4458~ 0.8790)
TGFA	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0076	0.3517 (0.1632~ 0.7576)
TGM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0089	0.5194 (0.3180~ 0.8485)
TGM2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	<0.001	7.7951 (2.4037~ 25.2786)
TGM3	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0347	1.7253 (1.0399~ 2.8624)
THBS3	Acute Lymphoblastic Leukemia	Inverse variance weighted	58	0.0064	0.7607 (0.6249~ 0.9260)
THNSL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0272	0.3264 (0.1208~ 0.8818)
THOC7	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0403	0.2728 (0.0788~ 0.9441)
TIGD3	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0361	0.1683 (0.0318~ 0.8909)

TINCR	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0449	4.3417 (1.0338~ 18.2341)
TIPRL	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0010	0.4176 (0.2481~ 0.7028)
TJP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	70	0.0479	0.8358 (0.6997~ 0.9983)
TLR1	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0117	0.4732 (0.2645~ 0.8465)
TM4SF19~AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0182	0.6064 (0.4004~ 0.9185)
TM4SF19	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0477	0.5546 (0.3094~ 0.9940)
TMBIM6	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0401	0.2464 (0.0647~ 0.9388)
TMED8	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0111	0.1884 (0.0520~ 0.6834)
TMEM109	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0236	0.5529 (0.3310~ 0.9235)
TMEM110	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0048	2.1132 (1.2559~ 3.5559)
TMEM119	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0043	1.4317 (1.1192~ 1.8314)
TMEM129	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0025	4.6711 (1.7212~ 12.6769)
TMEM143	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	<0.001	19.3174 (5.1347~ 72.6742)
TMEM173	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0319	0.5405 (0.3081~ 0.9482)
TMEM177	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0498	0.2937 (0.0863~ 0.9992)
TMEM200A	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0355	1.8966 (1.0442~ 3.4449)
TMEM245	Acute Lymphoblastic Leukemia	Inverse variance weighted	46	<0.001	0.6256 (0.5050~ 0.7749)
TMEM254	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0159	1.4396 (1.0707~ 1.9356)
TMEM258	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0314	0.6467 (0.4348~ 0.9618)
TMEM5	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0051	0.3517 (0.1692~ 0.7312)
TMEM50A	Acute Lymphoblastic Leukemia	Inverse variance weighted	35	0.0111	1.3040 (1.0625~ 1.6004)
TMEM63B	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0347	0.4671 (0.2305~ 0.9468)
TMEM70	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0201	0.4547 (0.2339~ 0.8838)
TMEM71	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0050	1.6615 (1.1651~ 2.3694)
TMEM86A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0213	4.2205 (1.2389~ 14.3773)
TMEM86B	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0252	1.7958 (1.0755~ 2.9986)
TMEM9	Acute Lymphoblastic Leukemia	Inverse variance weighted	69	<0.001	0.6861 (0.5532~ 0.8508)
TMEM9B	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0290	0.6859 (0.4889~ 0.9621)
TMTC4	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	<0.001	1.8173 (1.3782~ 2.3963)
TNFAIP8L2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0182	2.9112 (1.1990~ 7.0686)
TNFRSF1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0082	2.0669 (1.2069~ 3.5396)
TNKS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0283	0.6168 (0.4005~ 0.9499)
TOMM34	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0441	0.8216 (0.6785~ 0.9948)
TOMM5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0134	0.5883 (0.3863~ 0.8959)
TOMM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0474	0.7084 (0.5039~ 0.9960)
TOMM70A	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0121	0.3996 (0.1952~ 0.8180)
TOP3B	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0116	1.5335 (1.1004~ 2.1372)
TPD52	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0201	1.4474 (1.0596~ 1.9772)
TPD52L1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0160	0.2262 (0.0675~ 0.7580)
TPM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0230	0.6924 (0.5043~ 0.9505)
TPM3	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0108	2.7168 (1.2593~ 5.8611)
TPM4	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0041	0.3394 (0.1622~ 0.7103)
TPR	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	3.2130 (1.7729~ 5.8229)
TPST1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0214	0.7308 (0.5594~ 0.9546)
TRAF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0296	1.8908 (1.0650~ 3.3568)
TRAF5	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0418	1.8972 (1.0241~ 3.5145)
TRAM2	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0143	0.6722 (0.4892~ 0.9238)
TRANK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0012	0.4230 (0.2516~ 0.7112)
TRAP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0149	1.3295 (1.0570~ 1.6722)
TRAPPC11	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0104	0.2204 (0.0693~ 0.7006)
TRAT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0038	1.7139 (1.1895~ 2.4695)
TRBV19	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0308	1.3432 (1.0276~ 1.7556)
TRBV25~1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0177	1.7674 (1.1037~ 2.8301)
TRBV30	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	<0.001	1.2124 (1.0812~ 1.3594)
TRBV4~1	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0027	1.2375 (1.0764~ 1.4226)
TRGC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0368	0.7104 (0.5154~ 0.9793)
TRGV2	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0047	0.7598 (0.6281~ 0.9191)
TRGV4	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0082	1.1453 (1.0357~ 1.2664)
TRGV5	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0154	1.1456 (1.0263~ 1.2788)
TRGV5P	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0329	1.1281 (1.0098~ 1.2603)
TRGV7	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0028	0.6367 (0.4735~ 0.8560)
TRGV9	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0386	0.6249 (0.4002~ 0.9757)
TRIM4	Acute Lymphoblastic Leukemia	Inverse variance weighted	68	0.0092	1.2435 (1.0553~ 1.4651)
TRIM52	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0325	4.0696 (1.1237~ 14.7381)
TRIM56	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0242	5.8436 (1.2585~ 27.1341)
TRIM60P18	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0031	1.3661 (1.1107~ 1.6801)
TRIM66	Acute Lymphoblastic Leukemia	Inverse variance weighted	63	0.0081	0.8482 (0.7509~ 0.9582)
TRIM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0082	0.4416 (0.2408~ 0.8097)
TRIP11	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0200	0.5133 (0.2926~ 0.9004)
TRIP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0037	0.5756 (0.3963~ 0.8361)
TRIT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0173	0.7440 (0.5832~ 0.9491)
TRMT112	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0286	1.4130 (1.0369~ 1.9256)
TRMT12	Acute Lymphoblastic Leukemia	Inverse variance weighted	62	0.0283	1.2009 (1.0197~ 1.4143)
TRMT61A	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0270	0.4956 (0.2660~ 0.9234)
TRNT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	30	0.0037	0.6440 (0.4783~ 0.8670)
TRPM6	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0403	0.7045 (0.5041~ 0.9846)
TRPV2	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	0.2642 (0.1284~ 0.5433)
TRPV4	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0290	0.3979 (0.1740~ 0.9098)
TRPV5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0299	1.2633 (1.0230~ 1.5600)
TSEN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	34	0.0141	1.4570 (1.0788~ 1.9680)
TSPAN32	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0441	1.3971 (1.0089~ 1.9346)
TSPAN4	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0323	1.4115 (1.0295~ 1.9354)
TSPO	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0214	1.5306 (1.0650~ 2.1999)
TSPYL5	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	0.0169	1.5910 (1.0868~ 2.3291)
TTC17	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0453	0.4753 (0.2295~ 0.9845)
TTC21A	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0117	0.4827 (0.2740~ 0.8503)
TTC21B	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0011	5.3061 (1.9545~ 14.4056)
TTC27	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0216	0.6420 (0.4399~ 0.9370)
TTC3	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	<0.001	1.6297 (1.2196~ 2.1777)
TTC32	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0491	0.7852 (0.6171~ 0.9990)
TTC33	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0390	0.3740 (0.1469~ 0.9517)
TTC40	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0434	3.3418 (1.0363~ 10.7771)
TTC5	Acute Lymphoblastic Leukemia	Inverse variance weighted	16	0.0213	1.7852 (1.0899~ 2.9239)
TTF2	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	<0.001	0.6825 (0.5490~ 0.8486)
TTLL12	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	1.6014 (1.2604~ 2.0347)
TTLL2	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0383	0.3279 (0.1141~ 0.9419)
TUBA1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0193	0.2351 (0.0700~ 0.7904)
TUBA1C	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	0.5869 (0.4295~ 0.8019)
TUBB4A	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0107	0.7357 (0.5813~ 0.9311)
TULP4	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0278	2.0331 (1.0806~ 3.8250)
TXN2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0496	0.2944 (0.0868~ 0.9981)
TYMP	Acute Lymphoblastic Leukemia	Inverse variance weighted	55	0.0022	0.7662 (0.6461~ 0.9087)
TYMS	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0018	4.3489 (1.7240~ 10.9703)
TYW1B	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0028	0.8480 (0.7610~ 0.9450)
U1	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	<0.001	0.4364 (0.2906~ 0.6554)
UBALD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0051	3.2359 (1.4232~ 7.3576)
UBAP2L	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0063	1.8152 (1.1832~ 2.7848)
UBASH3B	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0496	0.4116 (0.1697~ 0.9984)
UBE2J1	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0243	1.9520 (1.0906~ 3.4941)
UBE2K	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0020	3.4075 (1.5668~ 7.4106)
UBFD1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0079	2.7568 (1.3040~ 5.8281)
UBTD2	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0304	9.2108 (1.2343~ 68.7365)
UCKL1	Acute Lymphoblastic Leukemia	Inverse variance weighted	38	0.0436	0.7563 (0.5765~ 0.9920)
UCP2	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	1.5513 (1.2270~ 1.9612)
UGCG	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0261	2.6489 (1.1231~ 6.2480)
UGDH	Acute Lymphoblastic Leukemia	Inverse variance weighted	77	0.0452	0.8182 (0.6722~ 0.9958)
UGGT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0156	7.3678 (1.4602~ 37.1759)
UGT2B17	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	<0.001	0.4595 (0.2967~ 0.7116)
ULK1	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0440	0.2862 (0.0847~ 0.9669)
UPF3A	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0165	1.4217 (1.0663~ 1.8956)
UPK3A	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0318	0.7727 (0.6106~ 0.9777)
UROS	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	<0.001	1.5741 (1.2809~ 1.9343)
USP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0110	0.2655 (0.0955~ 0.7380)
USP12	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0043	2.5474 (1.3414~ 4.8377)
USP15	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	0.0055	1.6624 (1.1608~ 2.3806)
USP33	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0397	5.2479 (1.0809~ 25.4805)
USP42	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0436	0.1894 (0.0376~ 0.9534)
USP6	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0128	0.3176 (0.1288~ 0.7834)
UTF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0195	2.5851 (1.1650~ 5.7364)
UTP15	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0495	2.6943 (1.0020~ 7.2446)
VAMP1	Acute Lymphoblastic Leukemia	Inverse variance weighted	43	0.0212	1.2673 (1.0360~ 1.5501)
VAMP5	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0017	1.5499 (1.1786~ 2.0383)
VCAM1	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0396	1.8299 (1.0292~ 3.2535)
VCP	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0333	1.5345 (1.0344~ 2.2763)
VDR	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	2.5551 (1.5799~ 4.1323)
VENTX	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0313	1.5115 (1.0378~ 2.2016)
VEZT	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	4.3303 (1.8212~ 10.2964)
VIPAS39	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	<0.001	0.1109 (0.0316~ 0.3888)
VIPR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0280	0.5164 (0.2863~ 0.9312)
VIT	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0466	1.6162 (1.0073~ 2.5932)
VLDLR	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0123	1.4048 (1.0765~ 1.8333)
VPS26A	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0028	2.2869 (1.3288~ 3.9358)
VPS33B	Acute Lymphoblastic Leukemia	Inverse variance weighted	29	<0.001	0.4936 (0.3639~ 0.6695)
VPS53	Acute Lymphoblastic Leukemia	Inverse variance weighted	40	0.0096	0.7536 (0.6083~ 0.9336)
WAC	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0182	1.8510 (1.1106~ 3.0850)
WARS2	Acute Lymphoblastic Leukemia	Inverse variance weighted	60	0.0022	0.7262 (0.5920~ 0.8909)
WASL	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0343	0.4585 (0.2227~ 0.9438)
WDFY2	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	0.0030	0.6311 (0.4658~ 0.8551)
WDFY4	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0485	1.3143 (1.0018~ 1.7244)
WDR27	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0362	4.4799 (1.1011~ 18.2265)
WDR5B	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0396	1.4075 (1.0164~ 1.9490)
WDR86~AS1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0406	0.6726 (0.4602~ 0.9832)

WDR86	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	0.0480	0.8007 (0.6424− 0.9981)
WEE1	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0431	1.8539 (1.0193− 3.3717)
WRAP73	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	0.0412	1.3054 (1.0107− 1.6859)
WRB	Acute Lymphoblastic Leukemia	Inverse variance weighted	64	0.0025	0.7502 (0.6229− 0.9036)
WTAP	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0117	0.5922 (0.3941− 0.8899)
WWC1	Acute Lymphoblastic Leukemia	Inverse variance weighted	23	0.0021	2.3763 (1.3678− 4.1282)
XKR3	Acute Lymphoblastic Leukemia	Inverse variance weighted	44	0.0046	1.2542 (1.0724− 1.4669)
XPO4	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0312	0.2902 (0.0942− 0.8946)
XRRA1	Acute Lymphoblastic Leukemia	Inverse variance weighted	72	0.0135	1.2745 (1.0514− 1.5451)
XXyac−YRM2039.2	Acute Lymphoblastic Leukemia	Inverse variance weighted	17	0.0242	0.8549 (0.7460− 0.9797)
XYLT1	Acute Lymphoblastic Leukemia	Inverse variance weighted	71	0.0067	0.7695 (0.6368− 0.9300)
Y_RNA	Acute Lymphoblastic Leukemia	Inverse variance weighted	49	<0.001	1.3277 (1.1684− 1.5087)
YBEY	Acute Lymphoblastic Leukemia	Inverse variance weighted	47	0.0400	0.8798 (0.7786− 0.9942)
YBX2	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0068	4.1062 (1.4771− 11.4145)
YIPF3	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0087	3.9406 (1.4140− 10.9818)
YIPF5	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0151	0.7503 (0.5952− 0.9459)
YRDC	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0210	3.1709 (1.1900− 8.4491)
YTHDC2	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	<0.001	0.4598 (0.3035− 0.6965)
ZBTB22	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0166	2.2371 (1.1577− 4.3231)
ZBTB38	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0341	1.7555 (1.0432− 2.9540)
ZBTB47	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0259	1.8543 (1.0769− 3.1930)
ZBTB5	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0097	0.1741 (0.0463− 0.6547)
ZC2HC1A	Acute Lymphoblastic Leukemia	Inverse variance weighted	64	0.0151	1.1952 (1.0351− 1.3800)
ZCCHC14	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0269	0.4036 (0.1807− 0.9013)
ZCCHC24	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	<0.001	4.1316 (2.0555− 8.3049)
ZDHHC13	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	<0.001	2.1954 (1.4802− 3.2563)
ZDHHC18	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0496	0.6821 (0.4656− 0.9993)
ZDHHC19	Acute Lymphoblastic Leukemia	Inverse variance weighted	31	<0.001	0.4276 (0.2917− 0.6268)
ZDHHC7	Acute Lymphoblastic Leukemia	Inverse variance weighted	36	<0.001	0.4798 (0.3607− 0.6383)
ZFHX3	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0016	3.5149 (1.6098− 7.6747)
ZFP14	Acute Lymphoblastic Leukemia	Inverse variance weighted	22	<0.001	0.5614 (0.4061− 0.7763)
ZFP30	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0067	0.5826 (0.3943− 0.8609)
ZFP62	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0314	1.7737 (1.0524− 2.9896)
ZFP91	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0063	0.3826 (0.1920− 0.7624)
ZFR2	Acute Lymphoblastic Leukemia	Inverse variance weighted	4	0.0092	0.2043 (0.0618− 0.6749)
ZFYVE26	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0456	3.0025 (1.0219− 8.8220)
ZFYVE27	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0223	4.6795 (1.2452− 17.5849)
ZMIZ2	Acute Lymphoblastic Leukemia	Inverse variance weighted	45	0.0039	0.6775 (0.5201− 0.8826)
ZMPSTE24	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	0.0133	3.0334 (1.2606− 7.2994)
ZNF121	Acute Lymphoblastic Leukemia	Inverse variance weighted	9	<0.001	2.6292 (1.4805− 4.6690)
ZNF124	Acute Lymphoblastic Leukemia	Inverse variance weighted	26	0.0227	1.6201 (1.0699− 2.4535)
ZNF137P	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0251	0.2765 (0.0898− 0.8518)
ZNF175	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	<0.001	0.6157 (0.4698− 0.8069)
ZNF204P	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0108	1.9979 (1.1732− 3.4025)
ZNF205	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0335	1.4183 (1.0277− 1.9573)
ZNF213	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0026	0.6959 (0.5496− 0.8811)
ZNF281	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	<0.001	3.5236 (1.8877− 6.5773)
ZNF282	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0024	1.9231 (1.2616− 2.9315)
ZNF317	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0373	0.6618 (0.4487− 0.9761)
ZNF318	Acute Lymphoblastic Leukemia	Inverse variance weighted	28	0.0390	1.5115 (1.0211− 2.2373)
ZNF319	Acute Lymphoblastic Leukemia	Inverse variance weighted	20	0.0033	0.6066 (0.4348− 0.8462)
ZNF365	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	2.1684 (1.4821− 3.1727)
ZNF420	Acute Lymphoblastic Leukemia	Inverse variance weighted	12	0.0398	0.4931 (0.2513− 0.9676)
ZNF425	Acute Lymphoblastic Leukemia	Inverse variance weighted	19	0.0049	1.9618 (1.2265− 3.1379)
ZNF470	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	0.0426	1.3567 (1.0102− 1.8219)
ZNF471	Acute Lymphoblastic Leukemia	Inverse variance weighted	10	0.0426	0.4758 (0.2321− 0.9755)
ZNF496	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0111	0.4765 (0.2688− 0.8446)
ZNF500	Acute Lymphoblastic Leukemia	Inverse variance weighted	33	0.0227	0.7290 (0.5554− 0.9568)
ZNF561	Acute Lymphoblastic Leukemia	Inverse variance weighted	21	<0.001	0.7030 (0.5713− 0.8650)
ZNF577	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0153	0.2878 (0.1052− 0.7872)
ZNF586	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	<0.001	1.7176 (1.2449− 2.3699)
ZNF595	Acute Lymphoblastic Leukemia	Inverse variance weighted	6	0.0292	0.4169 (0.1899− 0.9154)
ZNF605	Acute Lymphoblastic Leukemia	Inverse variance weighted	32	0.0057	0.6756 (0.5118− 0.8919)
ZNF606	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0384	4.0724 (1.0782− 15.3824)
ZNF613	Acute Lymphoblastic Leukemia	Inverse variance weighted	37	0.0169	1.4232 (1.0653− 1.9014)
ZNF627	Acute Lymphoblastic Leukemia	Inverse variance weighted	7	0.0037	3.9464 (1.5597− 9.9855)
ZNF638	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	0.0341	0.5505 (0.3170− 0.9561)
ZNF649	Acute Lymphoblastic Leukemia	Inverse variance weighted	3	0.0405	0.2505 (0.0666− 0.9420)
ZNF667	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0309	2.9829 (1.1054− 8.0493)
ZNF668	Acute Lymphoblastic Leukemia	Inverse variance weighted	27	<0.001	0.5074 (0.3628− 0.7097)
ZNF670	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0444	0.1271 (0.0170− 0.9494)
ZNF677	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0152	0.3061 (0.1177− 0.7962)
ZNF701	Acute Lymphoblastic Leukemia	Inverse variance weighted	18	0.0011	0.5299 (0.3615− 0.7770)
ZNF718	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0334	0.6988 (0.5022− 0.9723)
ZNF767	Acute Lymphoblastic Leukemia	Inverse variance weighted	15	0.0035	0.4636 (0.2765− 0.7773)
ZNF775	Acute Lymphoblastic Leukemia	Inverse variance weighted	13	<0.001	2.3895 (1.4524− 3.9313)
ZNF79	Acute Lymphoblastic Leukemia	Inverse variance weighted	25	0.0195	1.5463 (1.0726− 2.2291)
ZNF823	Acute Lymphoblastic Leukemia	Inverse variance weighted	11	0.0080	2.3214 (1.2461− 4.3245)
ZNF84	Acute Lymphoblastic Leukemia	Inverse variance weighted	24	0.0250	0.7415 (0.5709− 0.9632)
ZNF841	Acute Lymphoblastic Leukemia	Inverse variance weighted	8	0.0159	0.2722 (0.0945− 0.7835)
ZNHIT3	Acute Lymphoblastic Leukemia	Inverse variance weighted	14	0.0054	0.4929 (0.2996− 0.8110)
ZSWIM7	Acute Lymphoblastic Leukemia	Inverse variance weighted	67	0.0134	1.1495 (1.0293− 1.2837)
ZYX	Acute Lymphoblastic Leukemia	Inverse variance weighted	39	<0.001	1.5517 (1.2513− 1.9242)
ZZEF1	Acute Lymphoblastic Leukemia	Inverse variance weighted	5	0.0023	5.0334 (1.7769− 14.2580)