

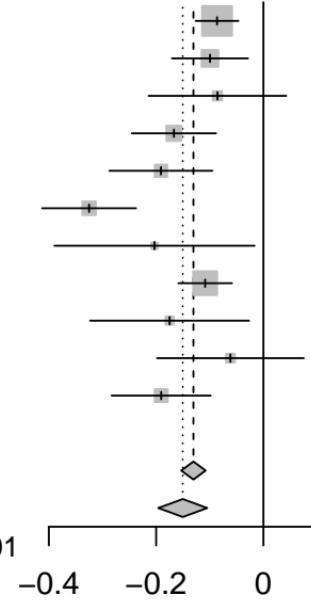
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

4EBP1 [chr4:187158034_A_G (rs3733402) (A/G) N=14736]

TE seTE

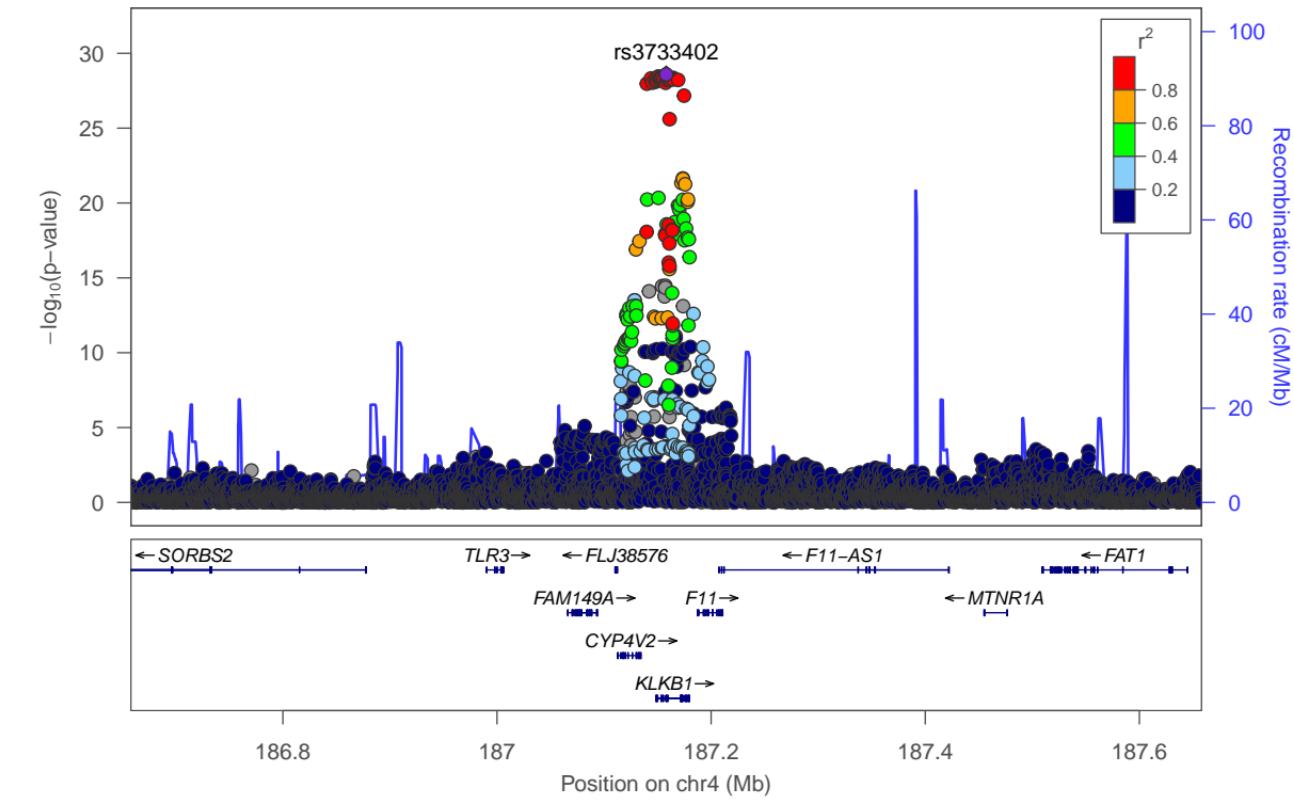
-0.09 0.0203
-0.10 0.0362
-0.09 0.0655
-0.17 0.0401
-0.19 0.0490
-0.32 0.0447
-0.20 0.0952
-0.11 0.0255
-0.17 0.0757
-0.06 0.0699
-0.19 0.0472



			Weight (fixed)	Weight (random)
		95%-CI		
		-0.09 [-0.13; -0.05]	32.6%	13.7%
		-0.10 [-0.17; -0.03]	10.3%	11.2%
		-0.09 [-0.21; 0.04]	3.1%	6.9%
		-0.17 [-0.25; -0.09]	8.4%	10.5%
		-0.19 [-0.29; -0.09]	5.6%	9.1%
		-0.32 [-0.41; -0.24]	6.7%	9.8%
		-0.20 [-0.39; -0.02]	1.5%	4.3%
		-0.11 [-0.16; -0.06]	20.7%	12.9%
		-0.17 [-0.32; -0.03]	2.4%	5.8%
		-0.06 [-0.20; 0.08]	2.8%	6.4%
		-0.19 [-0.28; -0.10]	6.1%	9.4%
		-0.13 [-0.15; -0.11]	100.0%	--
		-0.15 [-0.20; -0.10]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 68\%$, $\tau^2 = 0.0035$, $p < 0.01$

4EBP1 (EIF4EBP1)-rs3733402



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (424)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

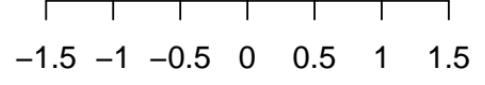
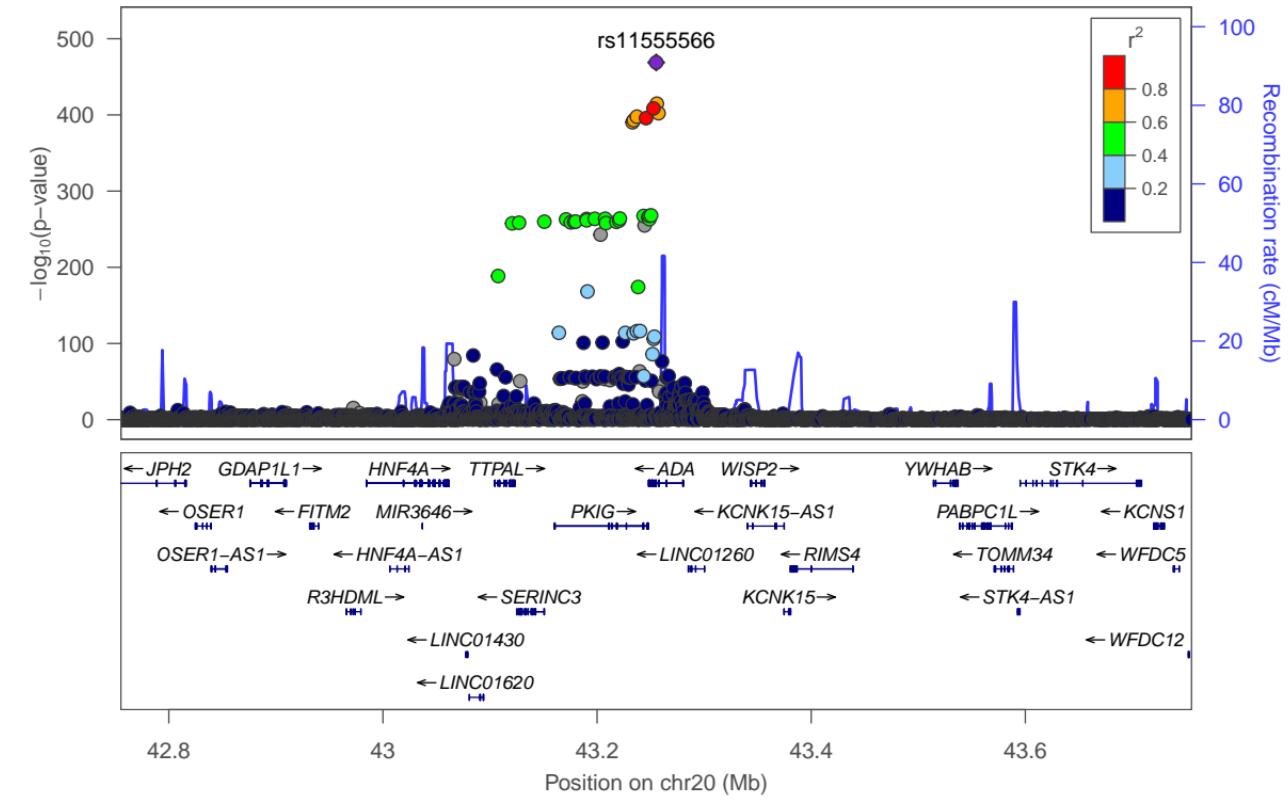
TE seTE

-1.27 0.0384
-1.11 0.0743
-1.27 0.1203
-1.44 0.1056
-0.82 0.1575
-0.78 0.0760
-0.46 0.1077
-1.03 0.0521
-0.82 0.1585
-0.96 0.1694
-0.68 0.0961

ADA [chr20:43255220_C_T (rs11555566) (T/C) N=14712]**Weight
95%-CI
(fixed) (random)**

-1.27 [-1.34; -1.19] 36.3% 10.5%
-1.11 [-1.25; -0.96] 9.7% 9.9%
-1.27 [-1.51; -1.03] 3.7% 8.8%
-1.44 [-1.65; -1.23] 4.8% 9.2%
-0.82 [-1.13; -0.52] 2.2% 7.8%
-0.78 [-0.93; -0.63] 9.3% 9.8%
-0.46 [-0.67; -0.25] 4.6% 9.1%
-1.03 [-1.13; -0.93] 19.7% 10.3%
-0.82 [-1.13; -0.51] 2.1% 7.8%
-0.96 [-1.29; -0.63] 1.9% 7.5%
-0.68 [-0.87; -0.49] 5.8% 9.4%

Fixed effect model
Random effects model
Heterogeneity: $I^2 = 91\%$, $\tau^2 = 0.0674$, $p < 0.01$

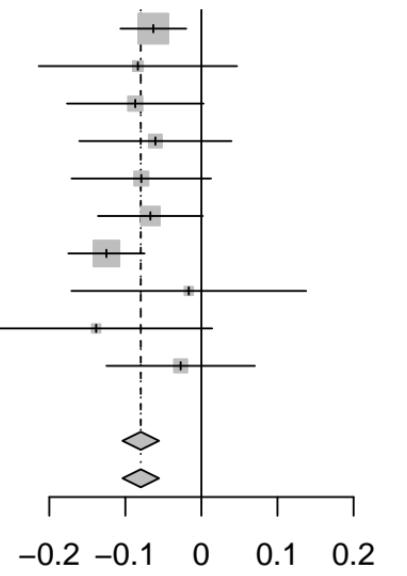
**ADA (ADA)-rs11555566**

Study

Study	TE	seTE
INTERVAL (4896)	-0.06	0.0220
EGCUT (487)	-0.08	0.0665
KORA (1064)	-0.09	0.0458
NSPHS (874)	-0.06	0.0510
ORCADES (981)	-0.08	0.0468
RECOMBINE (425)	-0.07	0.0352
STABILITY (2951)	-0.12	0.0256
STANLEY (344)	-0.02	0.0787
STANLEY (300)	-0.14	0.0778
VIS (902)	-0.03	0.0498

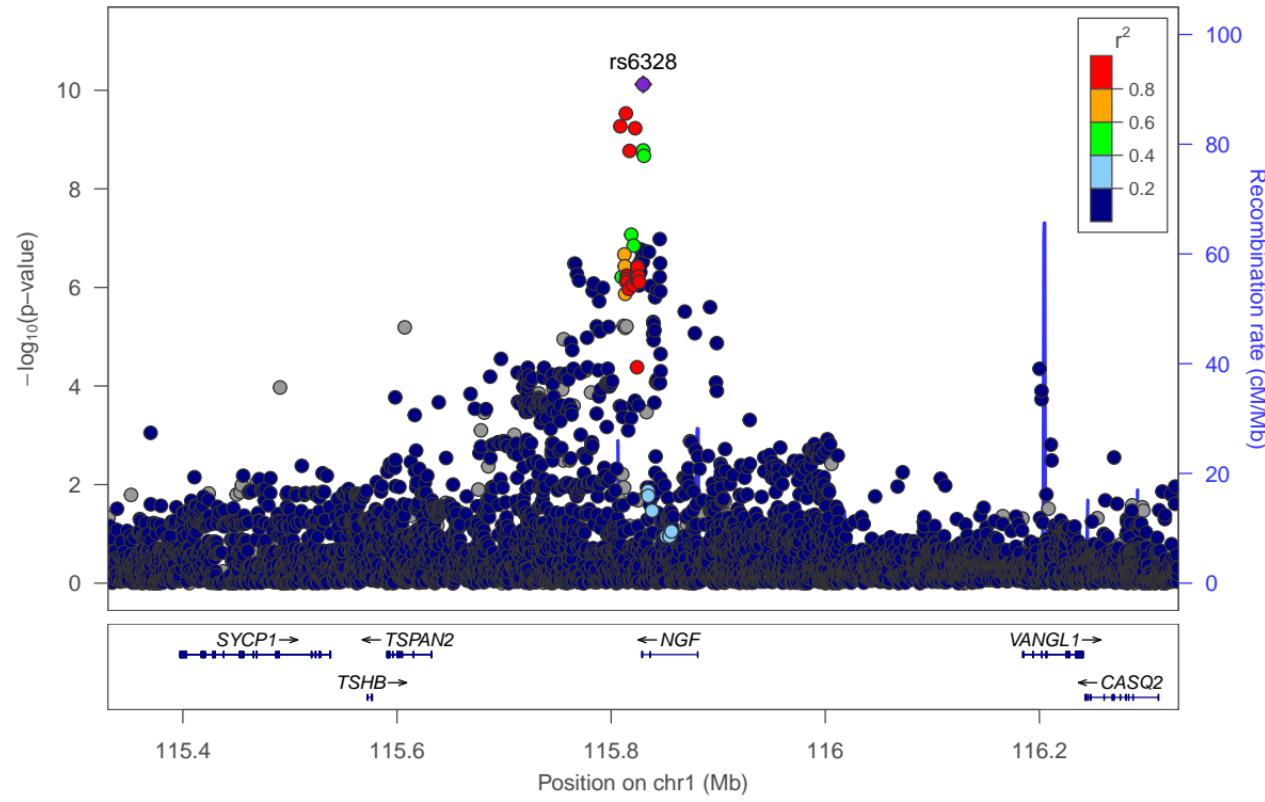
Fixed effect model**Random effects model**Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.71$

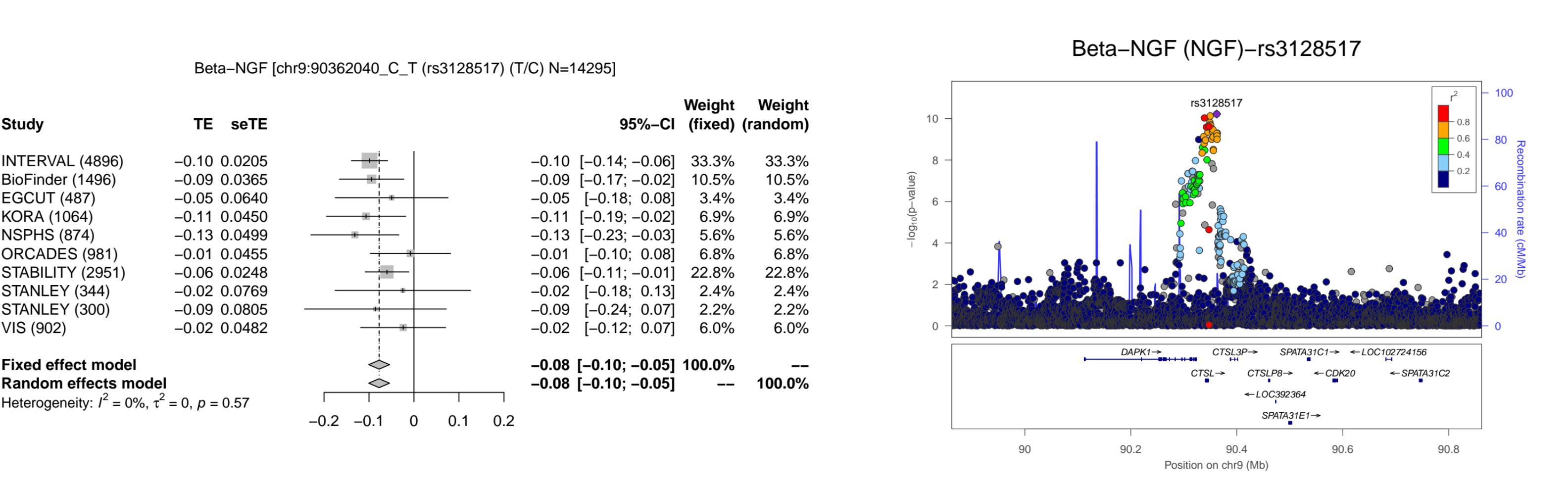
Beta-NGF [chr1:115829943_A_C (rs6328) (A/C) N=13224]



	95%-CI	Weight (fixed)	Weight (random)
	-0.06 [-0.11; -0.02]	30.8%	30.8%
	-0.08 [-0.21; 0.05]	3.4%	3.4%
	-0.09 [-0.18; 0.00]	7.1%	7.1%
	-0.06 [-0.16; 0.04]	5.8%	5.8%
	-0.08 [-0.17; 0.01]	6.9%	6.9%
	-0.07 [-0.14; 0.00]	12.1%	12.1%
	-0.12 [-0.17; -0.07]	22.9%	22.9%
	-0.02 [-0.17; 0.14]	2.4%	2.4%
	-0.14 [-0.29; 0.01]	2.5%	2.5%
	-0.03 [-0.12; 0.07]	6.0%	6.0%
	-0.08 [-0.10; -0.06]	100.0%	--
	-0.08 [-0.10; -0.06]	--	100.0%

Beta-NGF (NGF)-rs6328

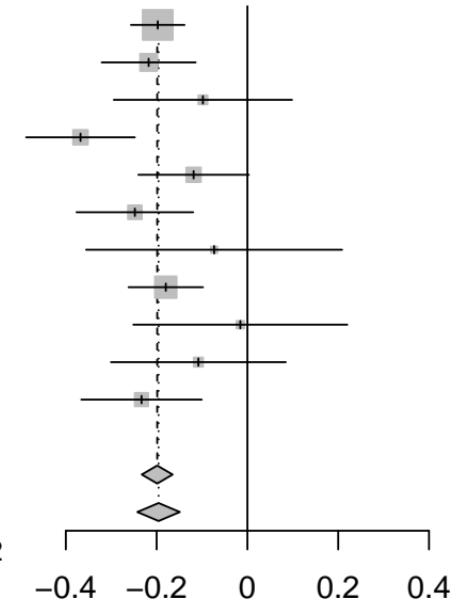




Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

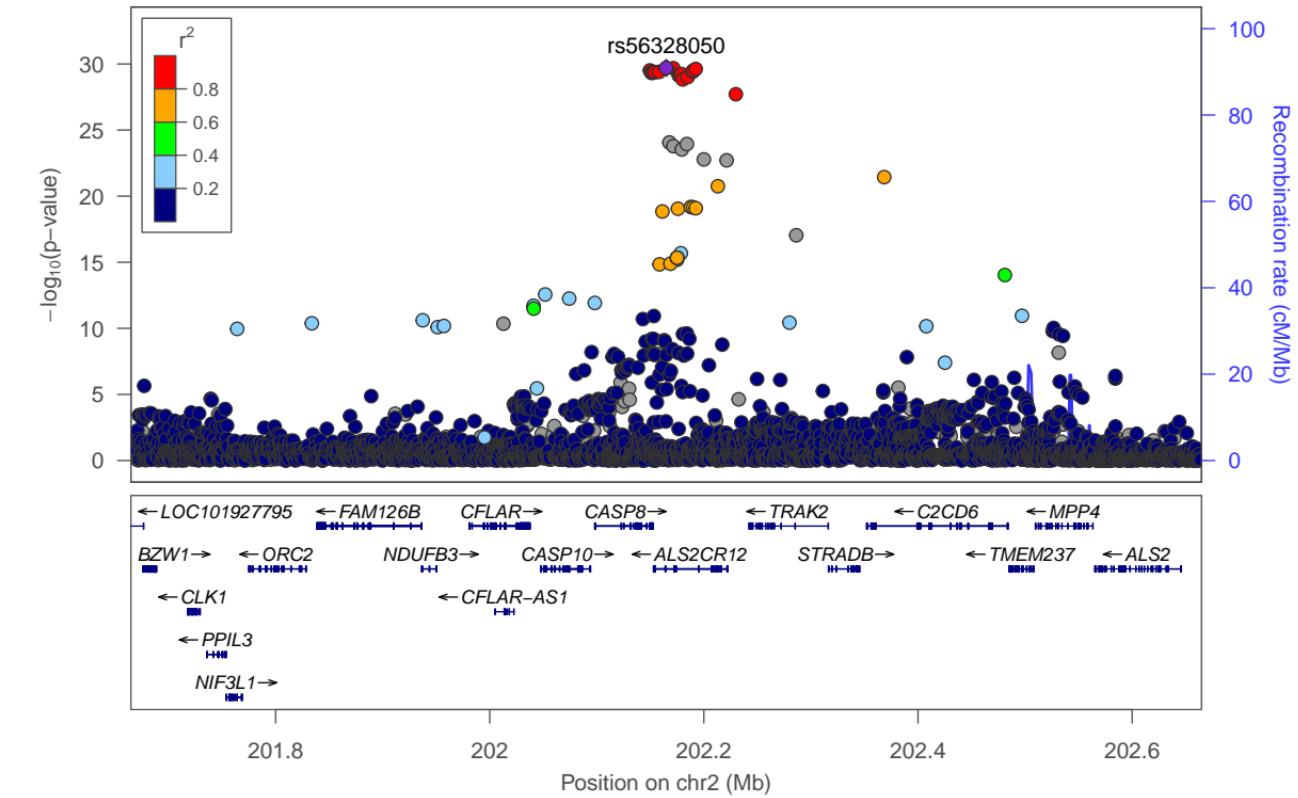
CASP-8 [chr2:202164805_C_G (rs56328050) (C/G) N=14743]

TE seTE**Weight (fixed) Weight (random)**

	95%-CI	Weight (fixed)	Weight (random)
	-0.20 [-0.26; -0.14]	33.1%	19.8%
	-0.22 [-0.32; -0.11]	10.8%	11.9%
	-0.10 [-0.29; 0.10]	3.0%	4.7%
	-0.37 [-0.49; -0.25]	8.0%	10.0%
	-0.12 [-0.24; 0.00]	7.8%	9.8%
	-0.25 [-0.38; -0.12]	7.0%	9.1%
	-0.07 [-0.36; 0.21]	1.5%	2.5%
	-0.18 [-0.26; -0.10]	17.2%	15.3%
	-0.02 [-0.25; 0.22]	2.1%	3.5%
	-0.11 [-0.30; 0.08]	3.1%	4.9%
	-0.23 [-0.37; -0.10]	6.6%	8.7%
Fixed effect model	-0.20 [-0.23; -0.16]	100.0%	--
Random effects model	-0.20 [-0.24; -0.15]	--	100.0%

Heterogeneity: $I^2 = 35\%$, $\tau^2 = 0.0020$, $p = 0.12$

CASP-8 (CASP8)-rs56328050



CCL11 [chr1:159175354_A_G (rs12075) (A/G) N=14731]

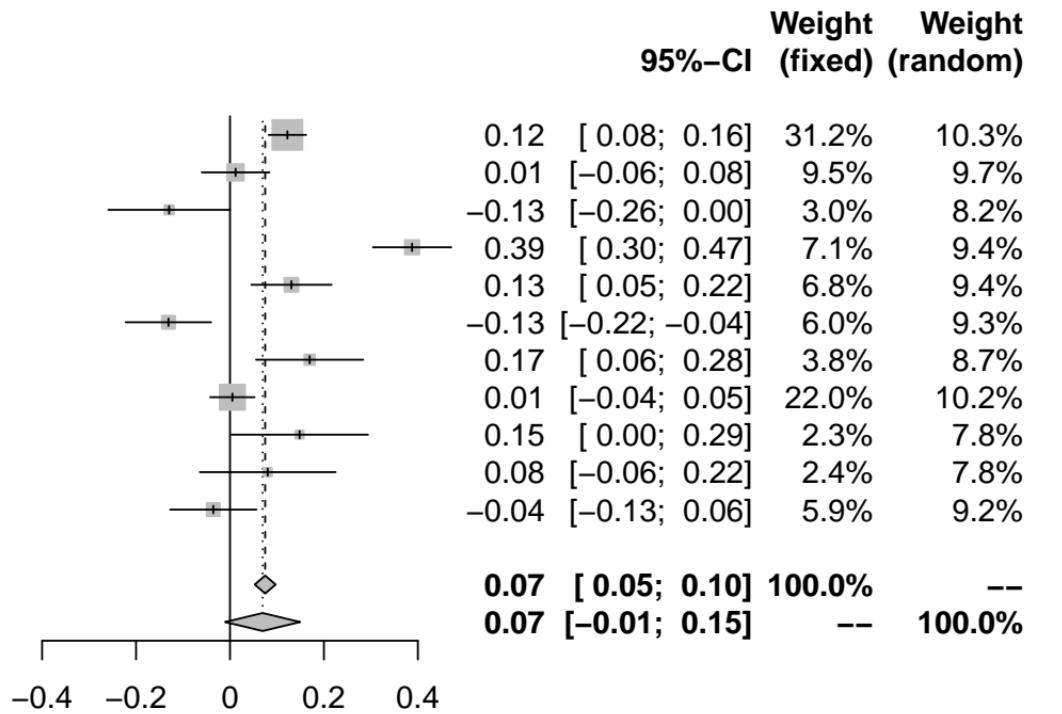
Study

	TE	seTE
INTERVAL (4896)	0.12	0.0204
BioFinder (1496)	0.01	0.0368
EGCUT (487)	-0.13	0.0661
KORA (1064)	0.39	0.0426
NSPHS (866)	0.13	0.0437
ORCADES (981)	-0.13	0.0464
RECOMBINE (445)	0.17	0.0582
STABILITY (2951)	0.01	0.0242
STANLEY (344)	0.15	0.0744
STANLEY (300)	0.08	0.0738
VIS (901)	-0.04	0.0469

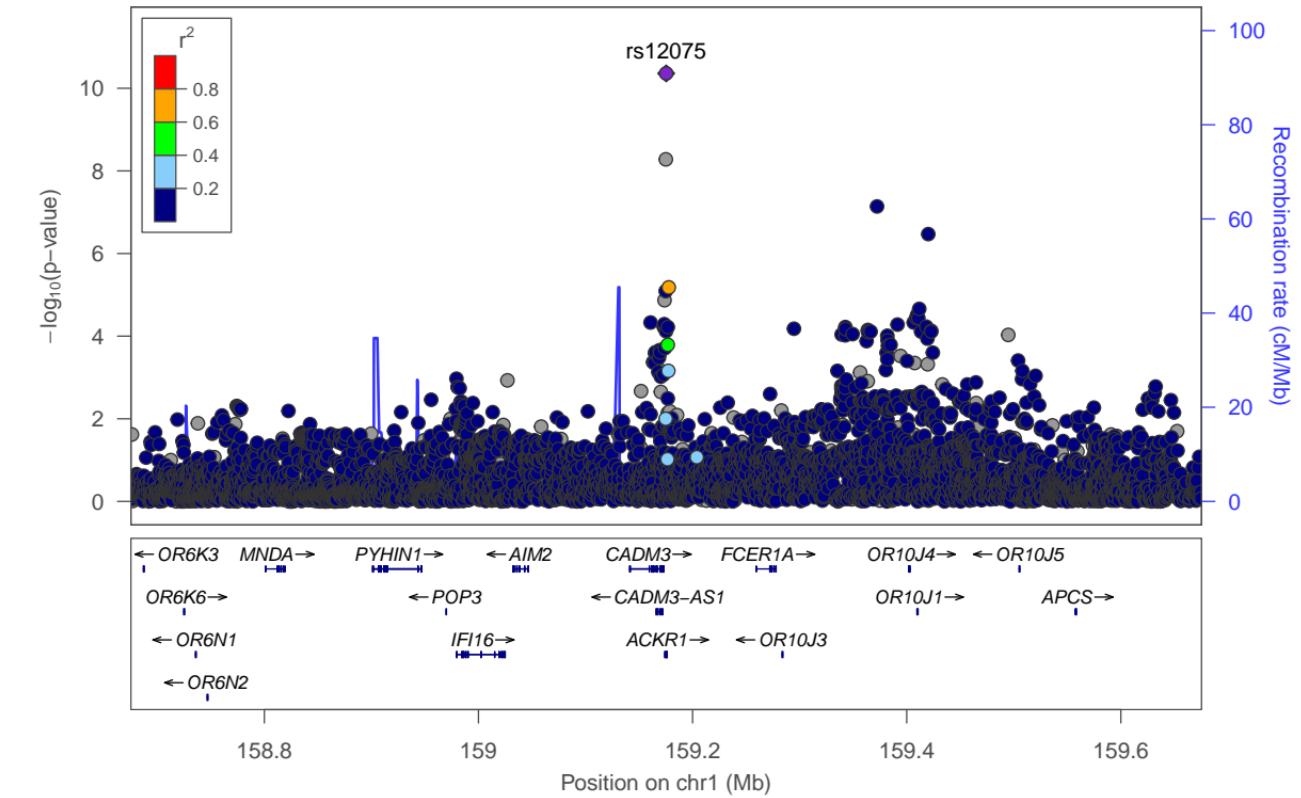
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 91\%$, $\tau^2 = 0.0158$, $p < 0.01$



CCL11 (CCL11)-rs12075

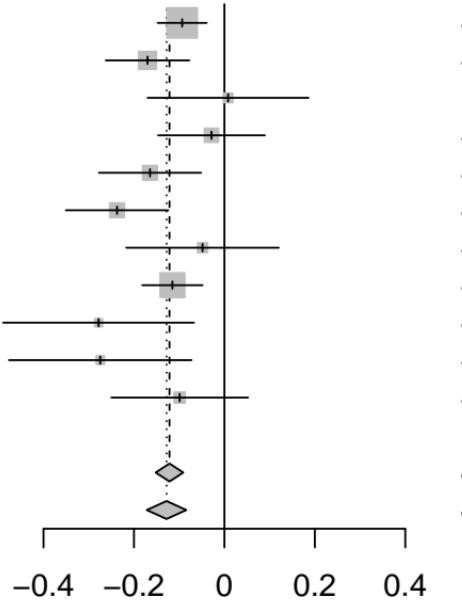


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (434)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

CCL11 [chr17:32619052_C_T (rs79722574) (T/C) N=14720]**TE seTE**

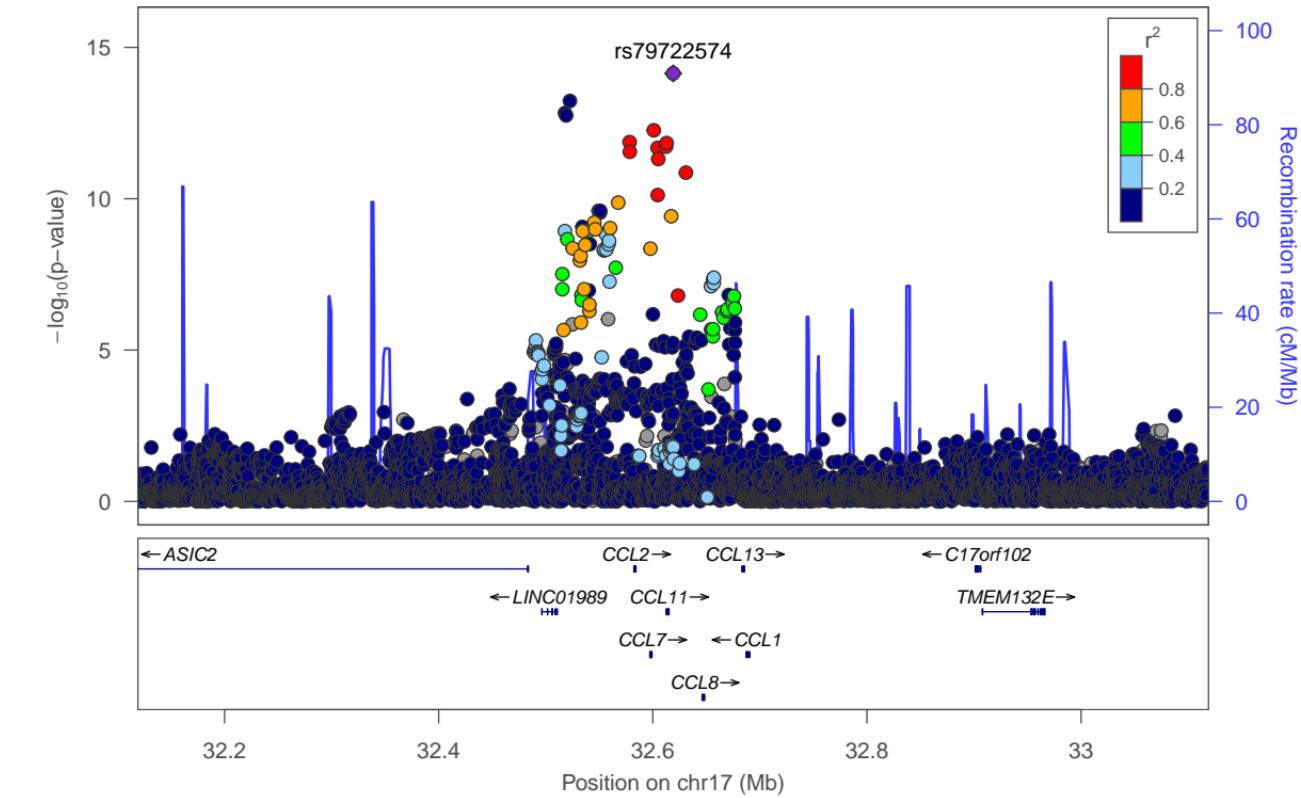
-0.09 0.0277
-0.17 0.0472
0.01 0.0908
-0.03 0.0602
-0.16 0.0576
-0.24 0.0578
-0.05 0.0860
-0.11 0.0340
-0.28 0.1077
-0.27 0.1030
-0.10 0.0772



Heterogeneity: $I^2 = 38\%$, $\tau^2 = 0.0019$, $p = 0.09$

Weight (fixed) Weight (random)

-0.09 [-0.15; -0.04] 31.9% 18.9%
-0.17 [-0.26; -0.08] 10.9% 12.1%
0.01 [-0.17; 0.19] 3.0% 4.9%
-0.03 [-0.15; 0.09] 6.7% 9.0%
-0.16 [-0.28; -0.05] 7.3% 9.6%
-0.24 [-0.35; -0.12] 7.3% 9.5%
-0.05 [-0.22; 0.12] 3.3% 5.4%
-0.11 [-0.18; -0.05] 21.1% 16.5%
-0.28 [-0.49; -0.07] 2.1% 3.7%
-0.27 [-0.48; -0.07] 2.3% 4.0%
-0.10 [-0.25; 0.05] 4.1% 6.4%

CCL11 (CCL11)-rs79722574

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

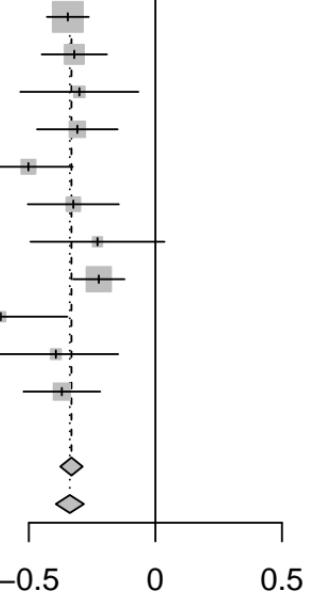
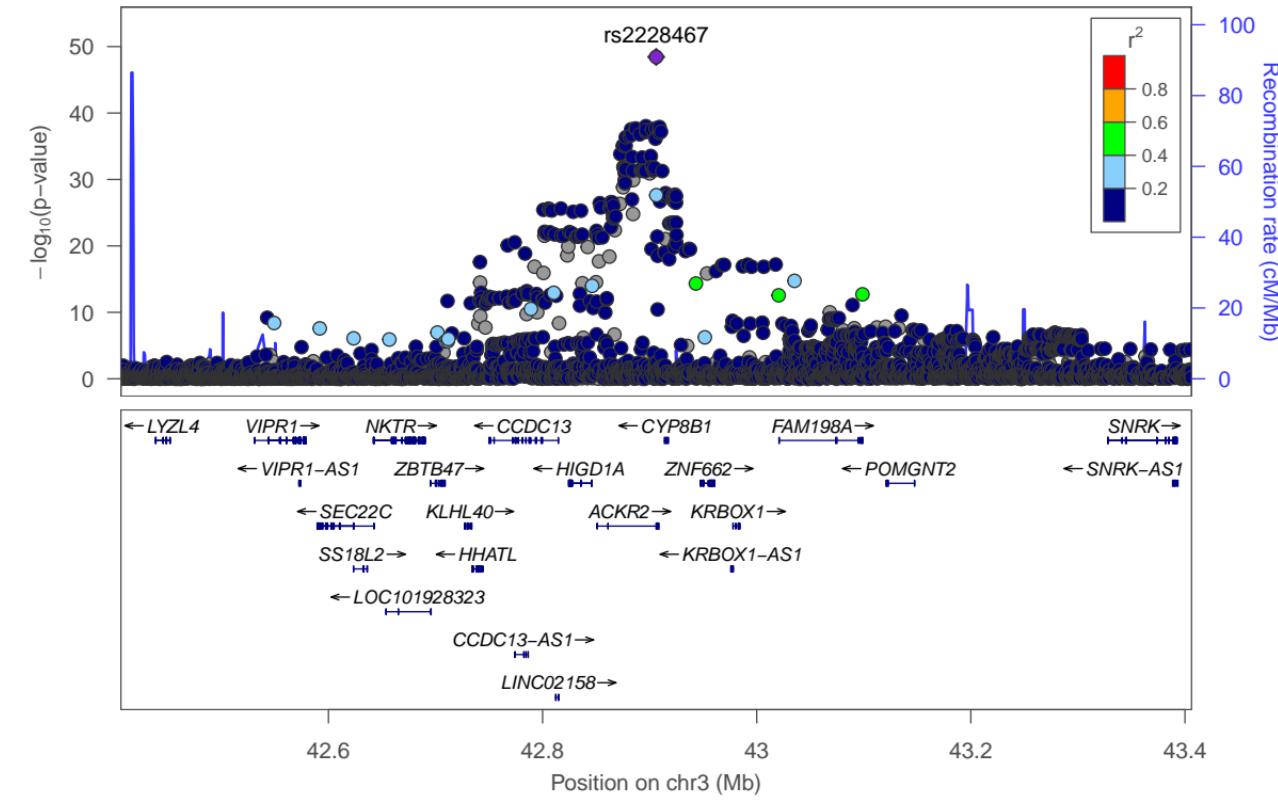
TE seTE

-0.35 0.0421
-0.32 0.0658
-0.30 0.1189
-0.31 0.0813
-0.50 0.0893
-0.32 0.0917
-0.23 0.1350
-0.22 0.0518
-0.61 0.1343
-0.39 0.1255
-0.37 0.0773

CCL11 [chr3:42906116_C_T (rs2228467) (T/C) N=14733]**Weight (fixed) Weight (random)**

-0.35 [-0.43; -0.26] 28.5% 20.1%
-0.32 [-0.45; -0.19] 11.7% 12.2%
-0.30 [-0.53; -0.07] 3.6% 4.9%
-0.31 [-0.47; -0.15] 7.7% 9.1%
-0.50 [-0.68; -0.33] 6.3% 7.8%
-0.32 [-0.50; -0.14] 6.0% 7.5%
-0.23 [-0.49; 0.04] 2.8% 3.9%
-0.22 [-0.33; -0.12] 18.9% 16.4%
-0.61 [-0.87; -0.35] 2.8% 3.9%
-0.39 [-0.64; -0.15] 3.2% 4.4%
-0.37 [-0.52; -0.22] 8.5% 9.8%

Fixed effect model
Random effects model
Heterogeneity: $I^2 = 27\%$, $\tau^2 = 0.0022$, $p = 0.19$

**CCL11 (CCL11)-rs2228467**

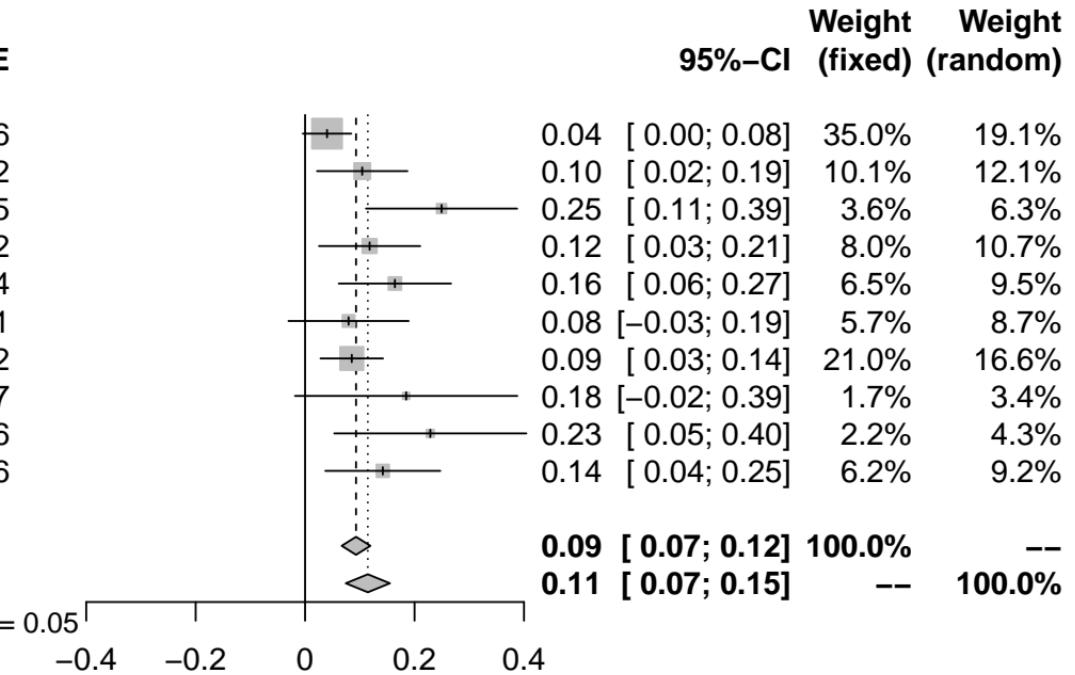
CCL11 [chr3:46250348_C_T (rs1491961) (T/C) N=14286]

Study	TE	seTE
INTERVAL (4896)	0.04	0.0226
BioFinder (1496)	0.10	0.0422
EGCUT (487)	0.25	0.0705
KORA (1064)	0.12	0.0472
NSPHS (866)	0.16	0.0524
ORCADES (981)	0.08	0.0561
STABILITY (2951)	0.09	0.0292
STANLEY (344)	0.18	0.1037
STANLEY (300)	0.23	0.0896
VIS (901)	0.14	0.0536

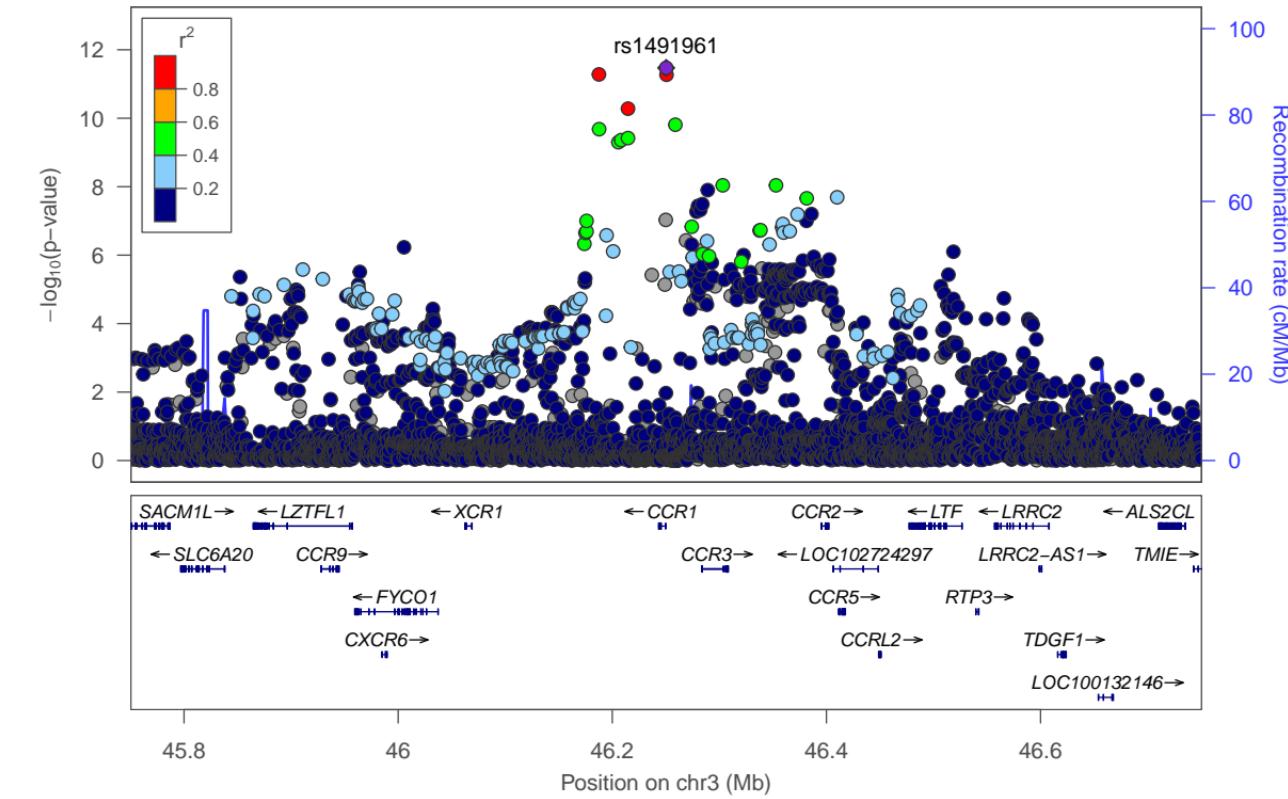
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 46\%$, $\tau^2 = 0.0017$, $p = 0.05$



CCL11 (CCL11)-rs1491961



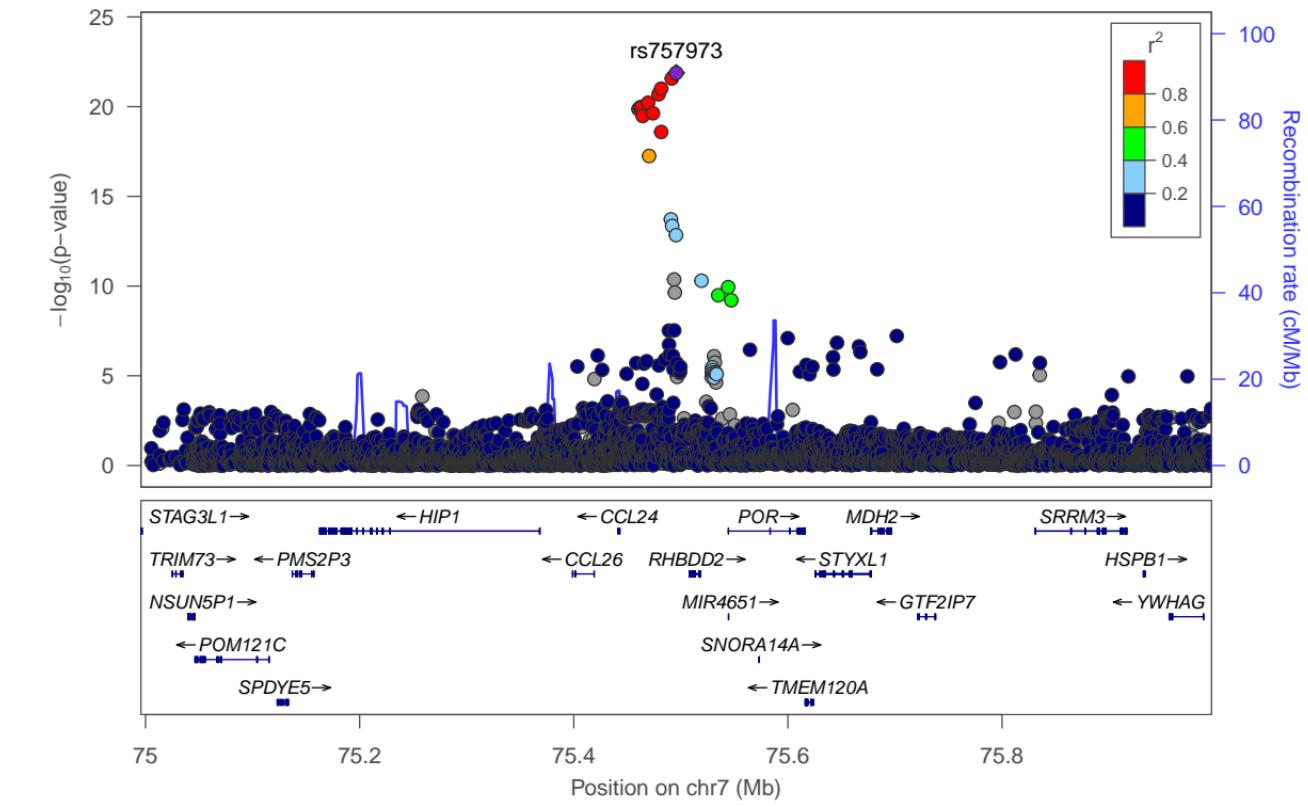
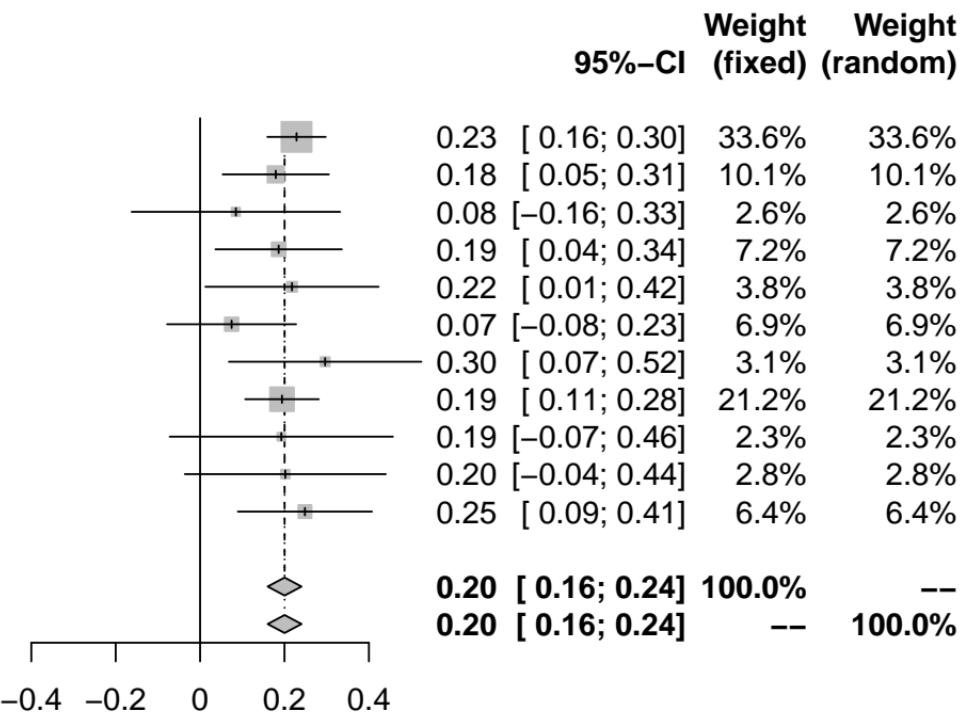
CCL11 (CCL11)-rs757973

CCL11 [chr7:75495667_A_G (rs757973) (A/G) N=14713]

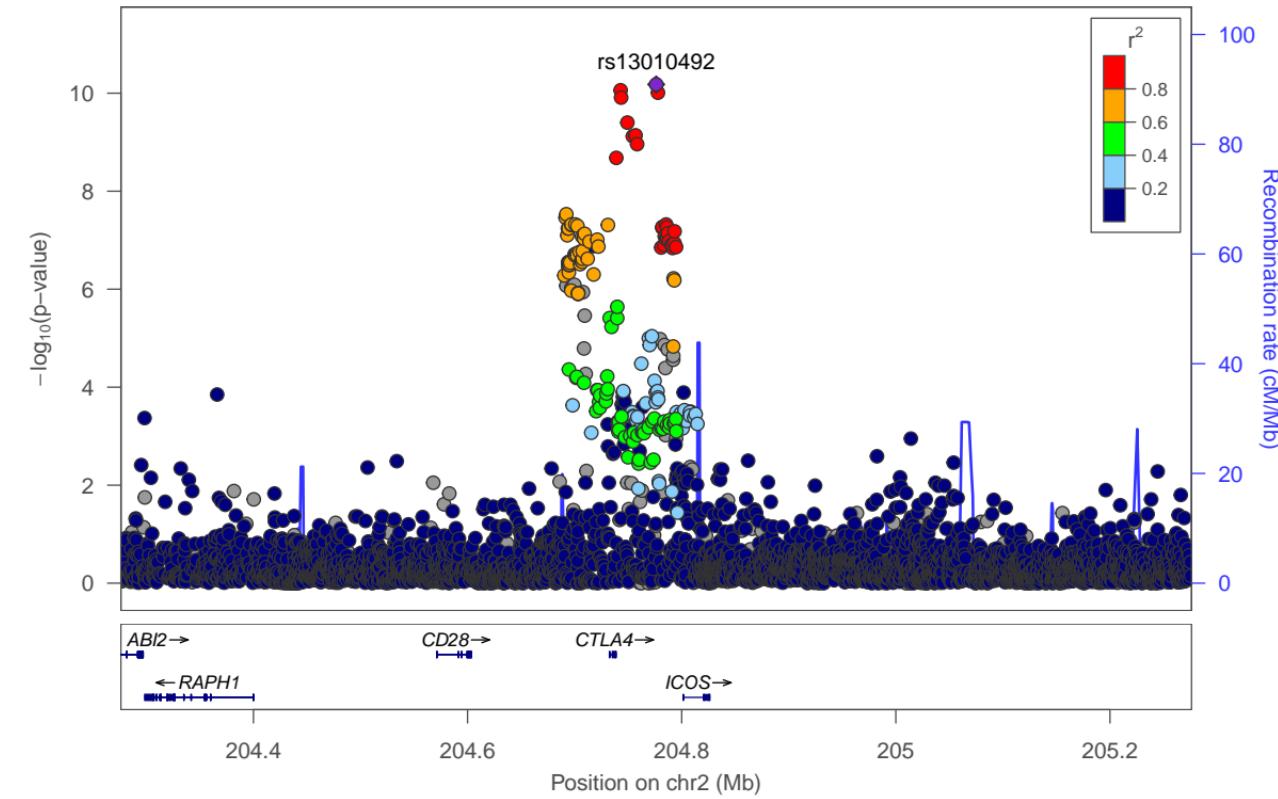
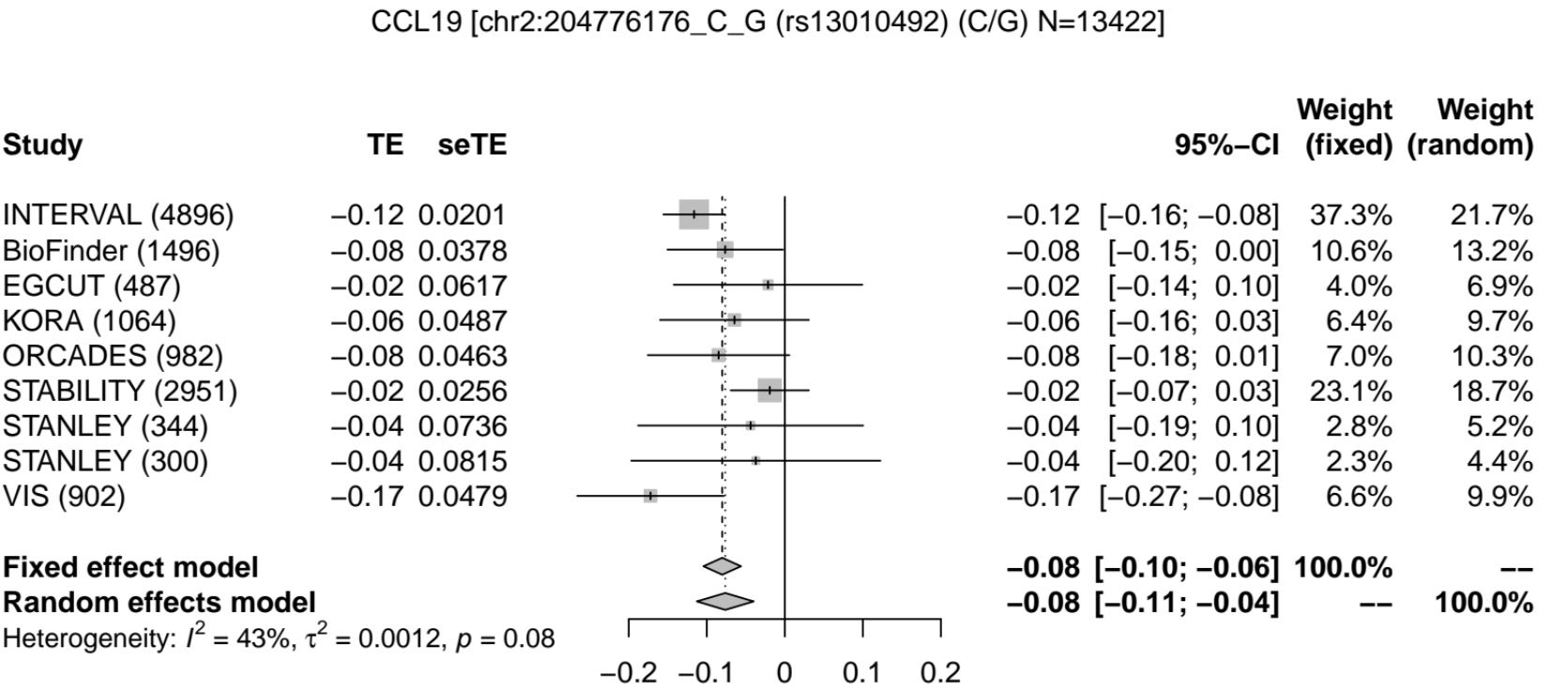
Study

	TE	seTE
INTERVAL (4896)	0.23	0.0353
BioFinder (1496)	0.18	0.0643
EGCUT (487)	0.08	0.1261
KORA (1064)	0.19	0.0764
NSPHS (866)	0.22	0.1048
ORCADES (981)	0.07	0.0780
RECOMBINE (427)	0.30	0.1164
STABILITY (2951)	0.19	0.0445
STANLEY (344)	0.19	0.1350
STANLEY (300)	0.20	0.1215
VIS (901)	0.25	0.0811

TE seTE

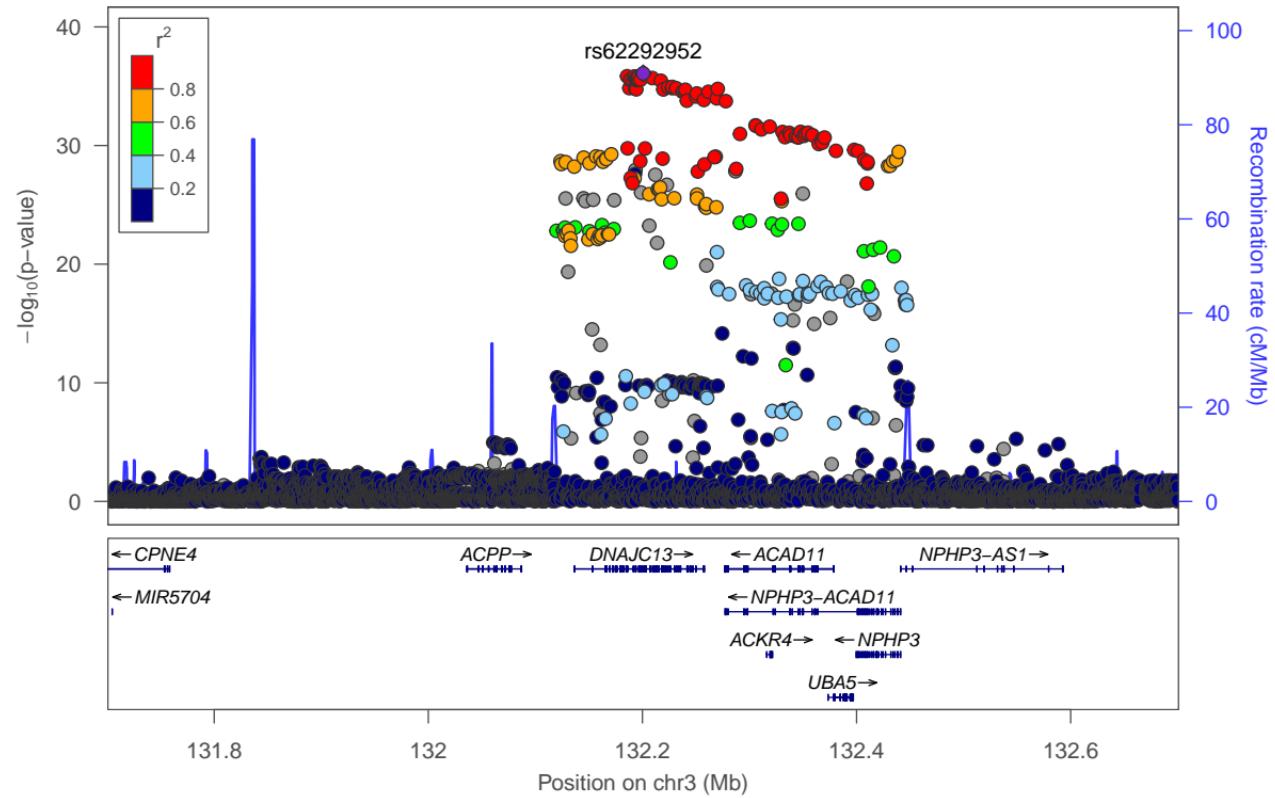
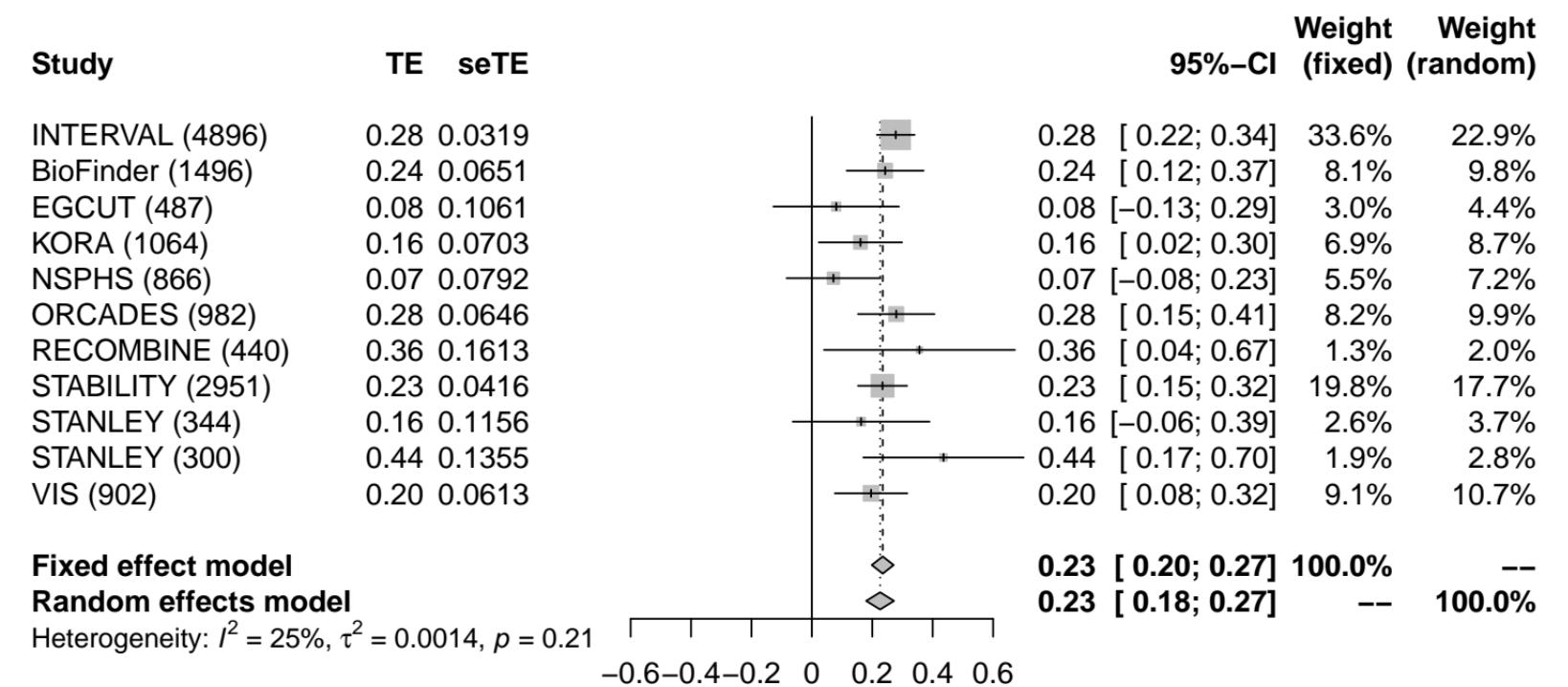


CCL19 (CCL19)-rs13010492

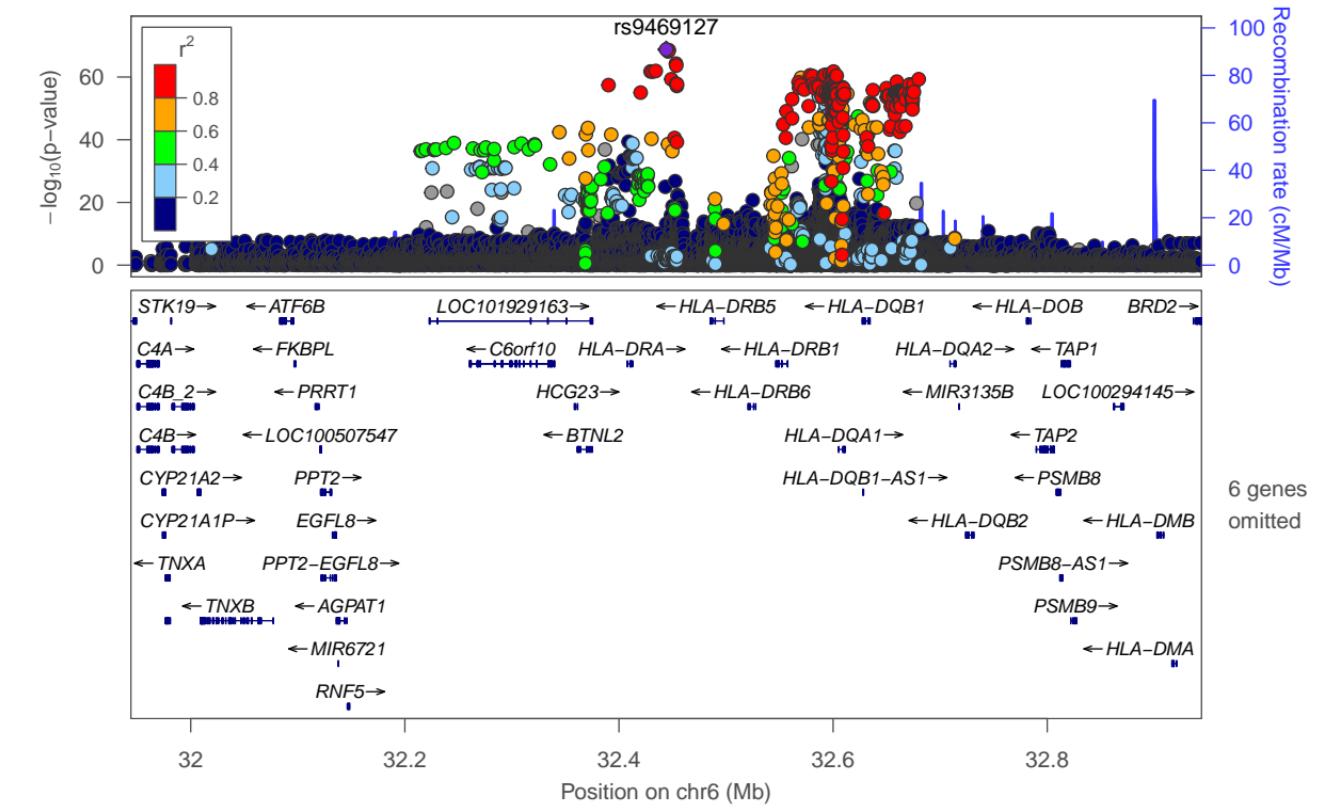
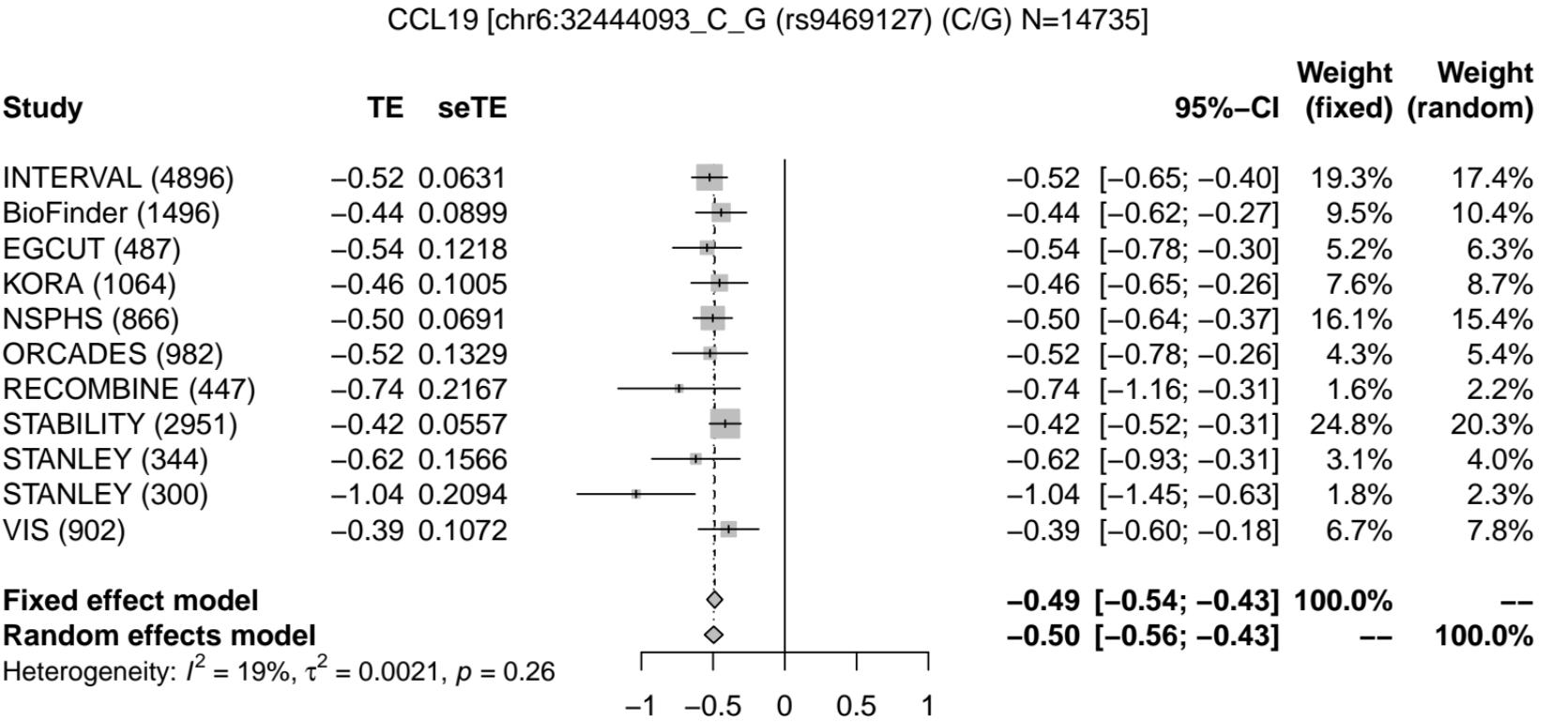


CCL19 (CCL19)-rs62292952

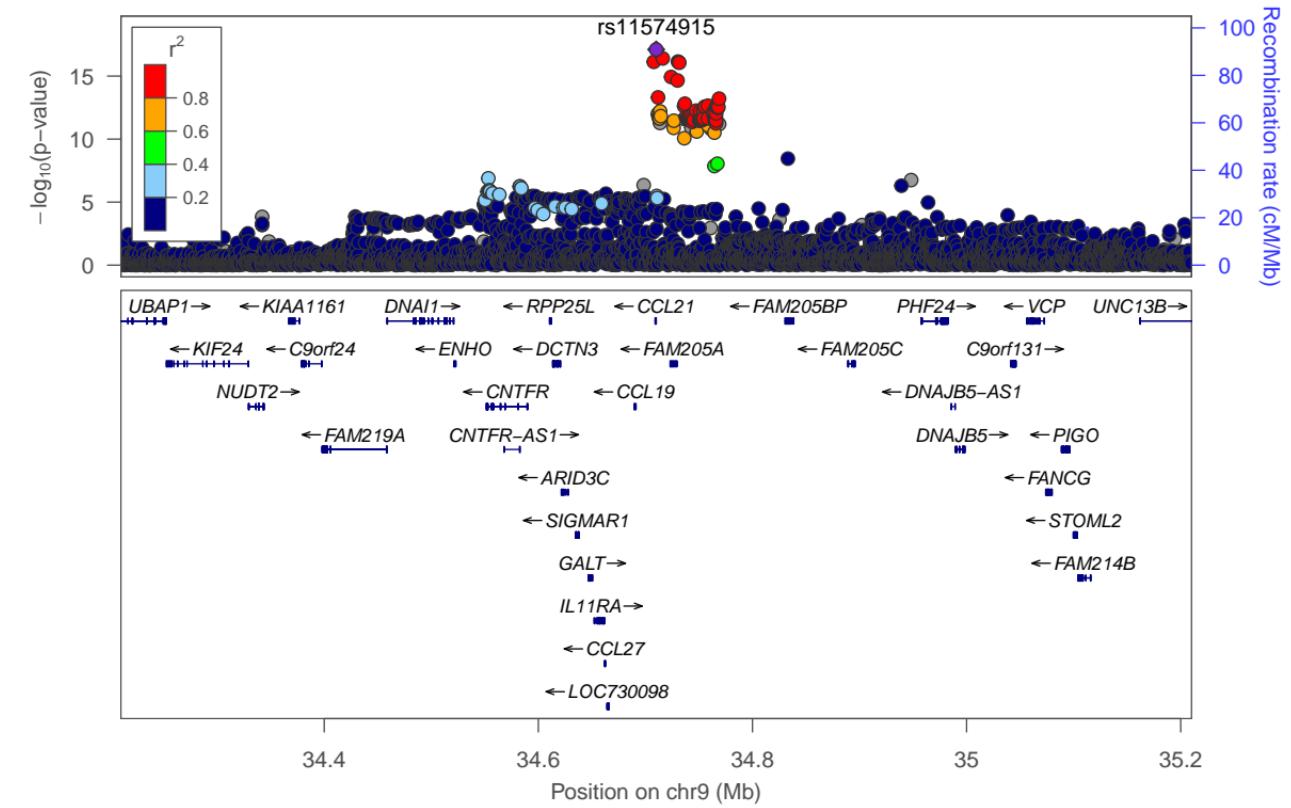
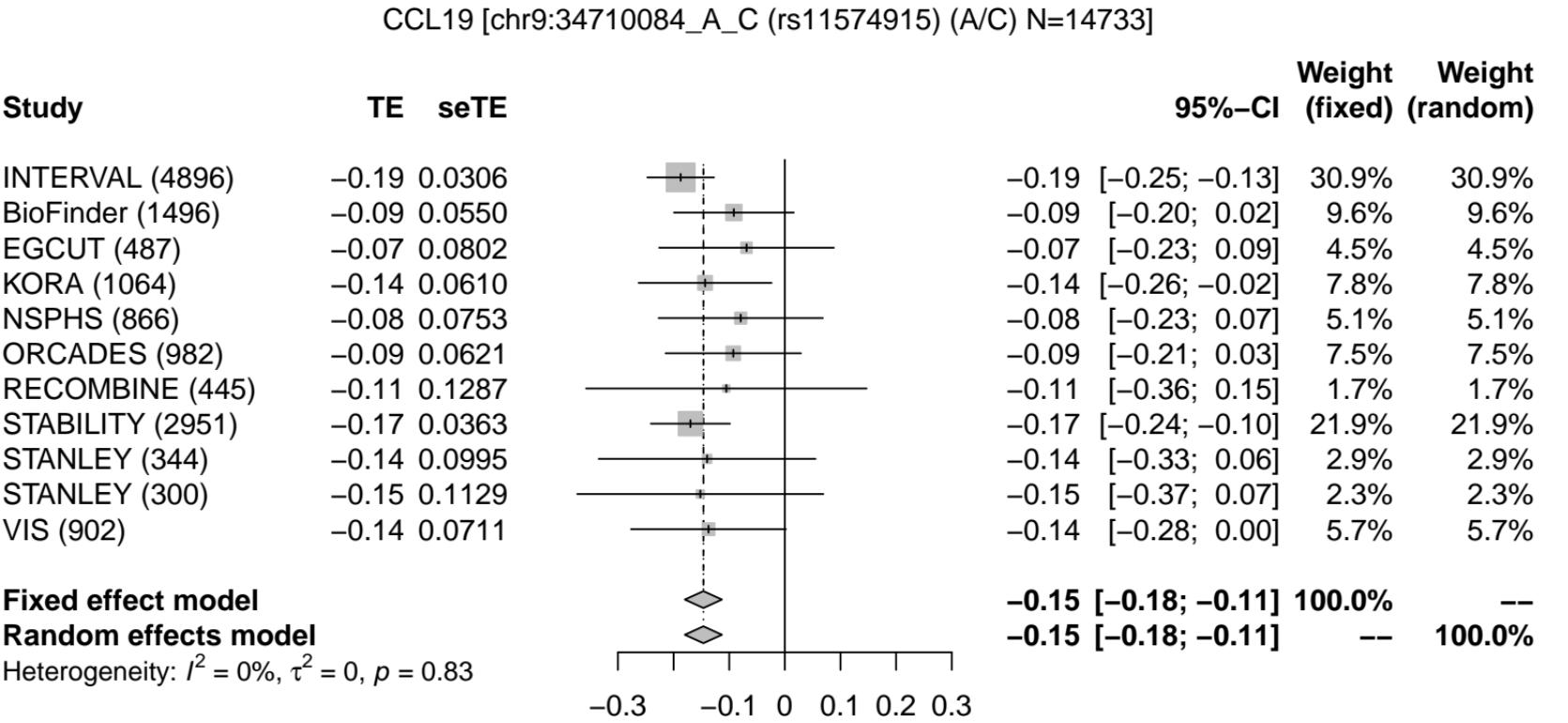
CCL19 [chr3:132200719_G_T (rs62292952) (T/G) N=14728]



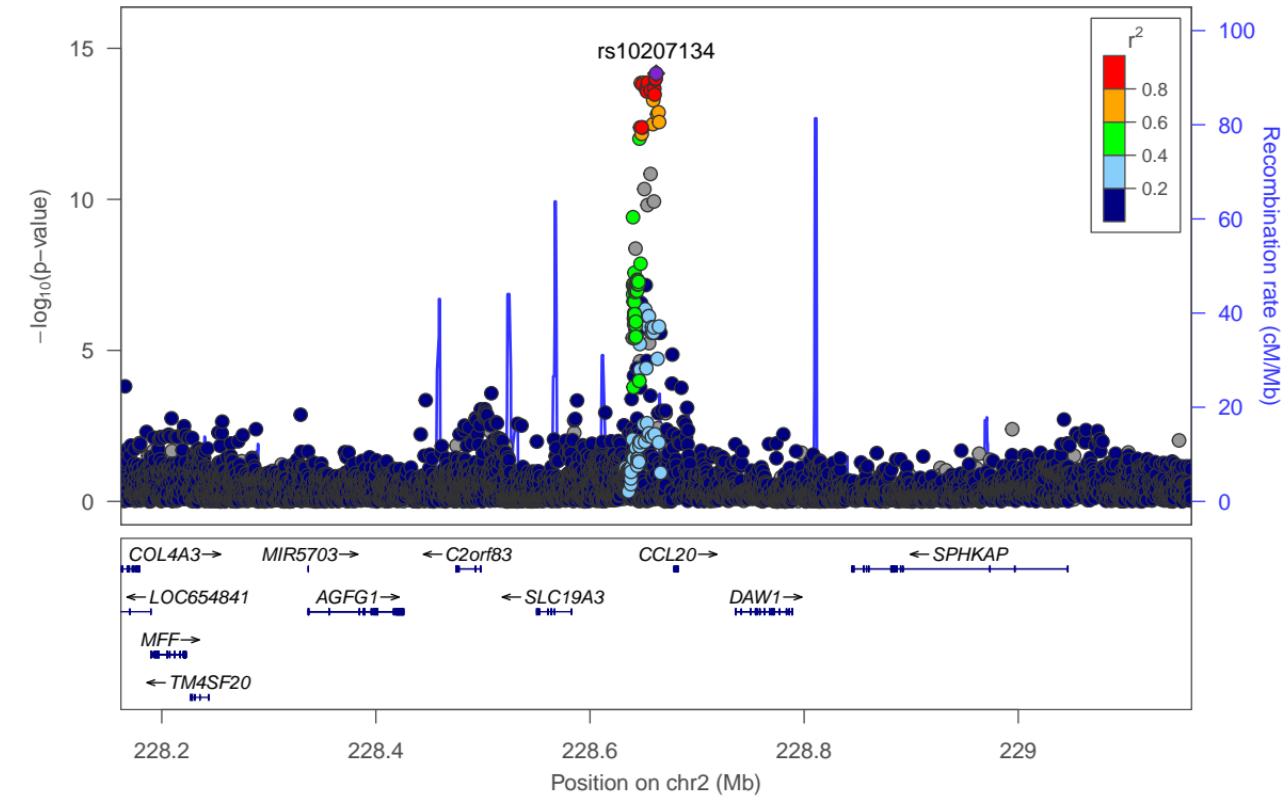
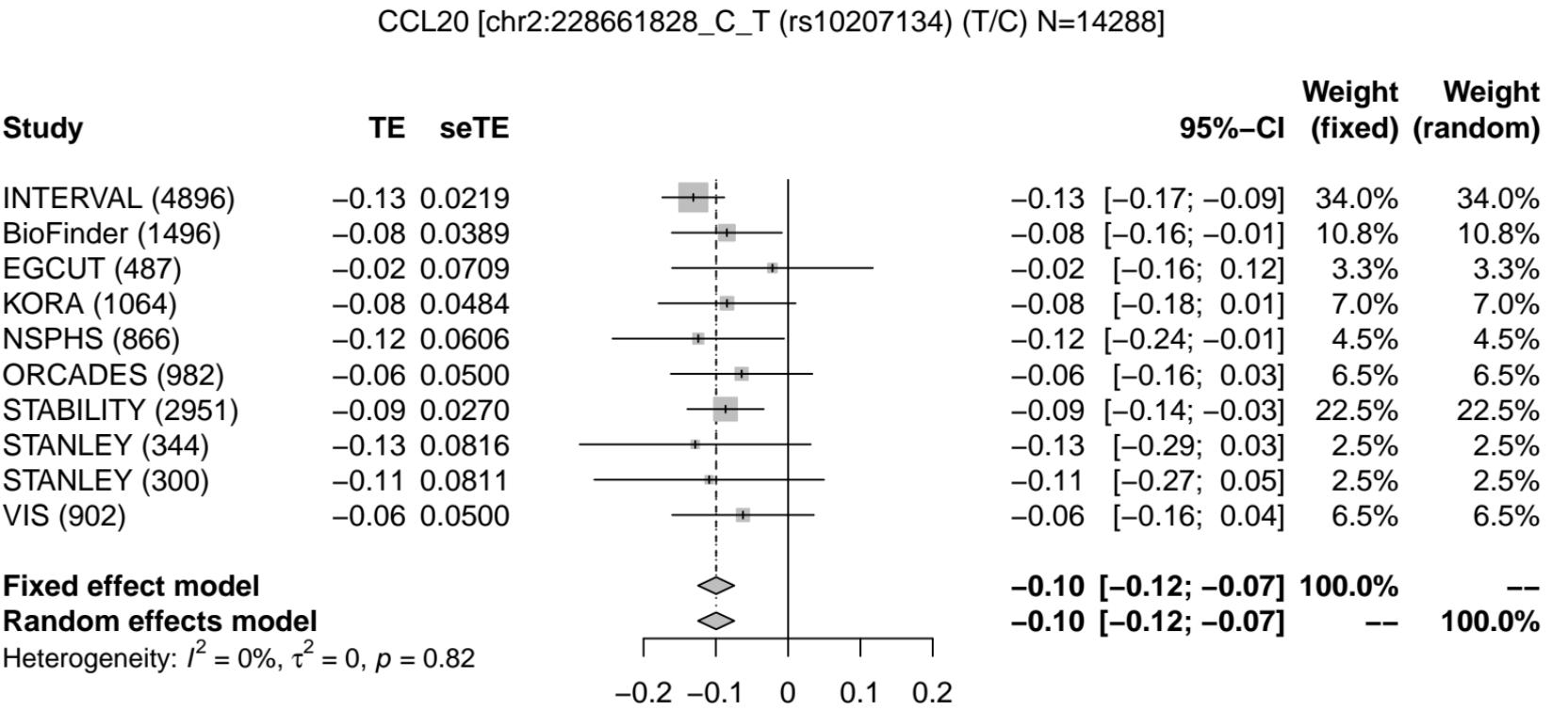
CCL19 (CCL19)-rs9469127



CCL19 (CCL19)-rs11574915

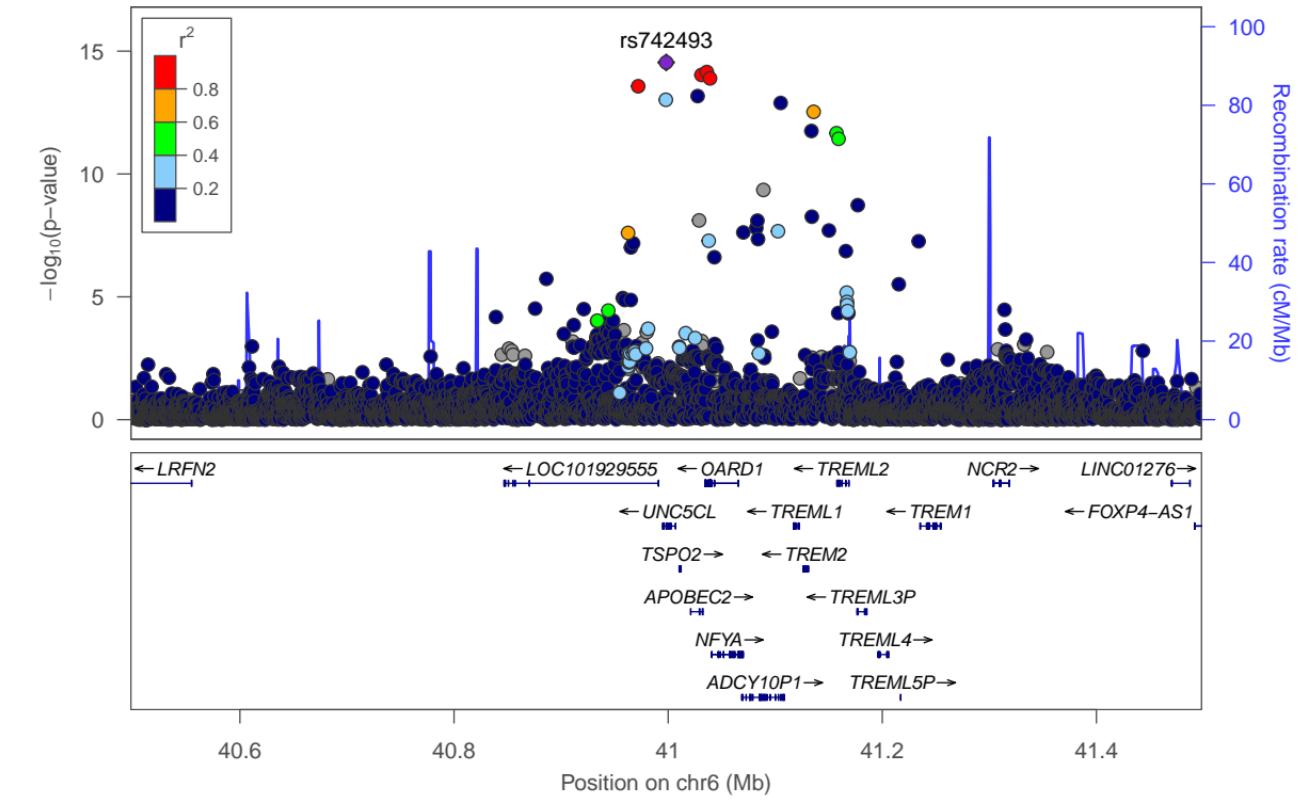
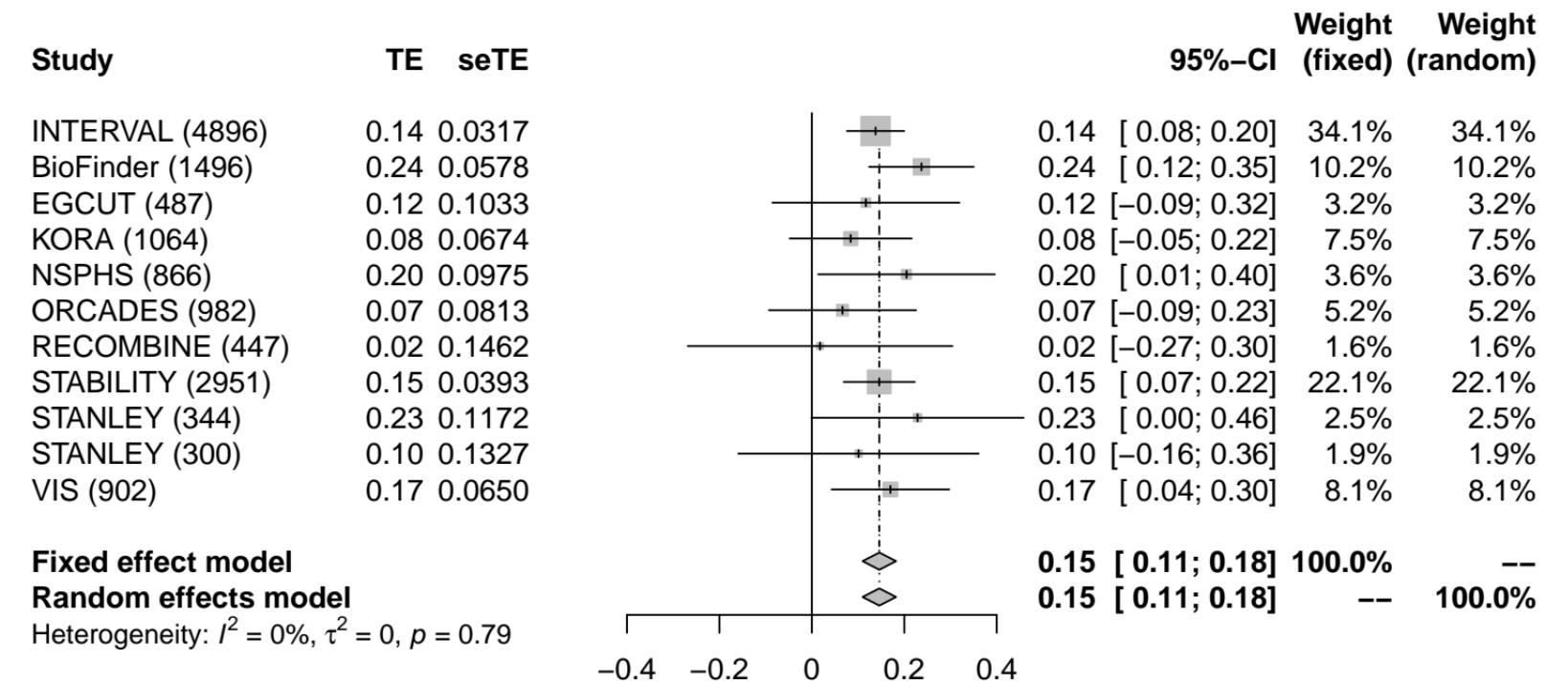


CCL20 (CCL20)-rs10207134

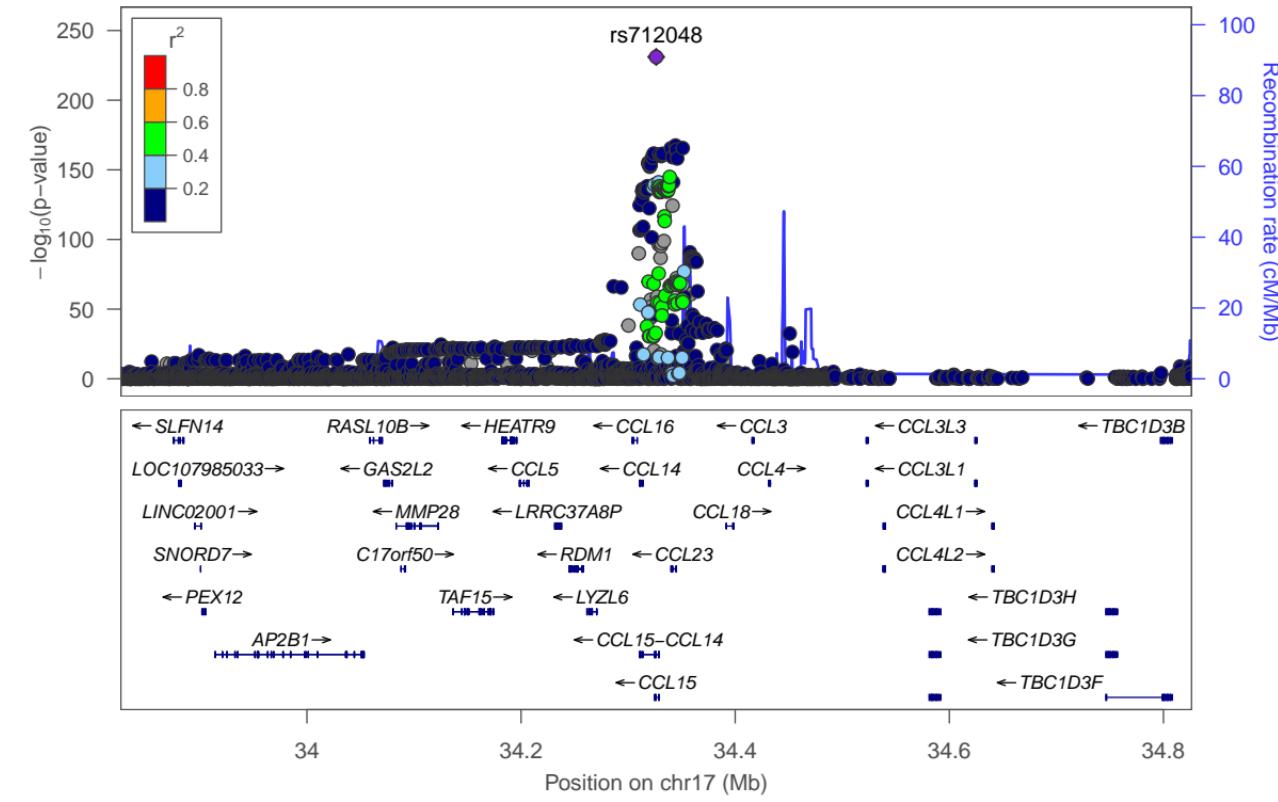
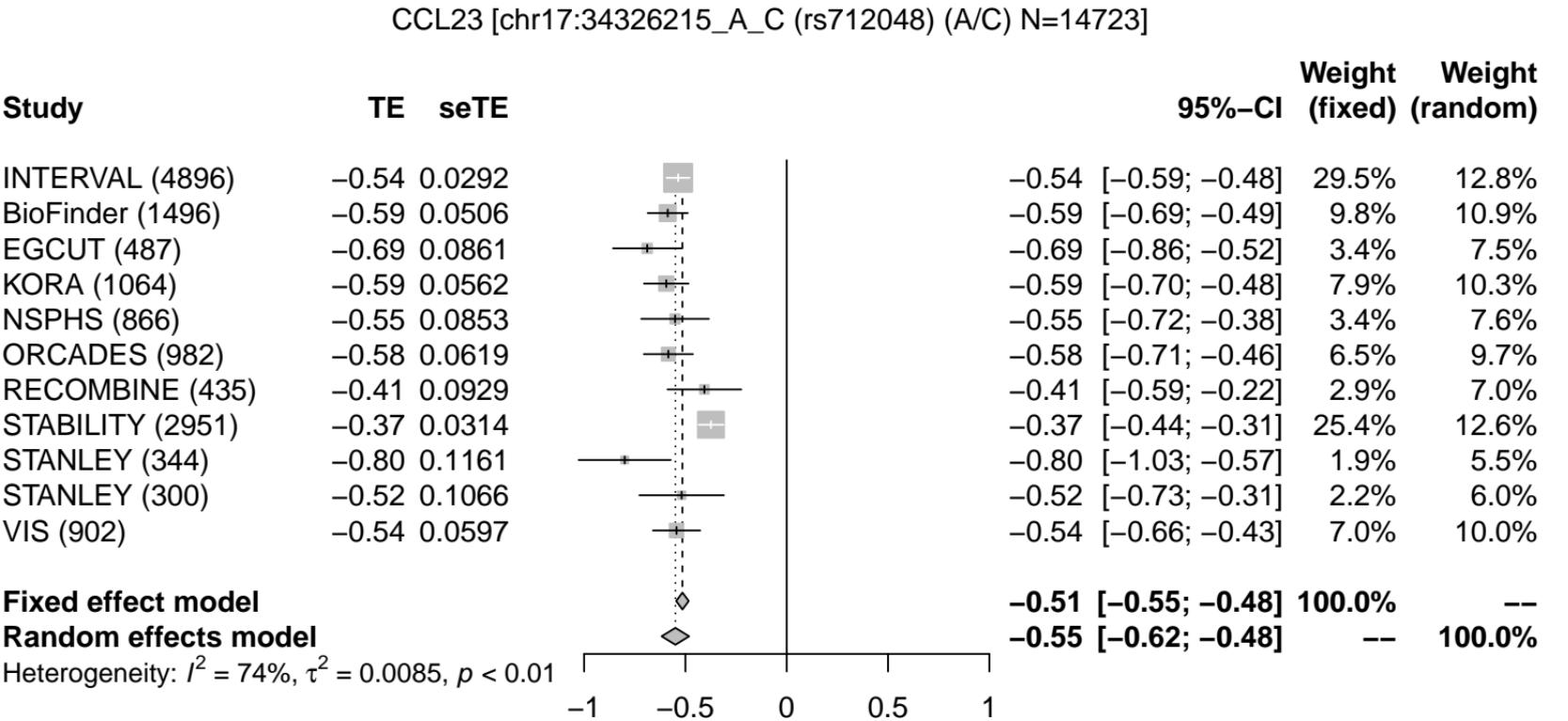


CCL20 (CCL20)-rs742493

CCL20 [chr6:40998167_C_T (rs742493) (T/C) N=14735]



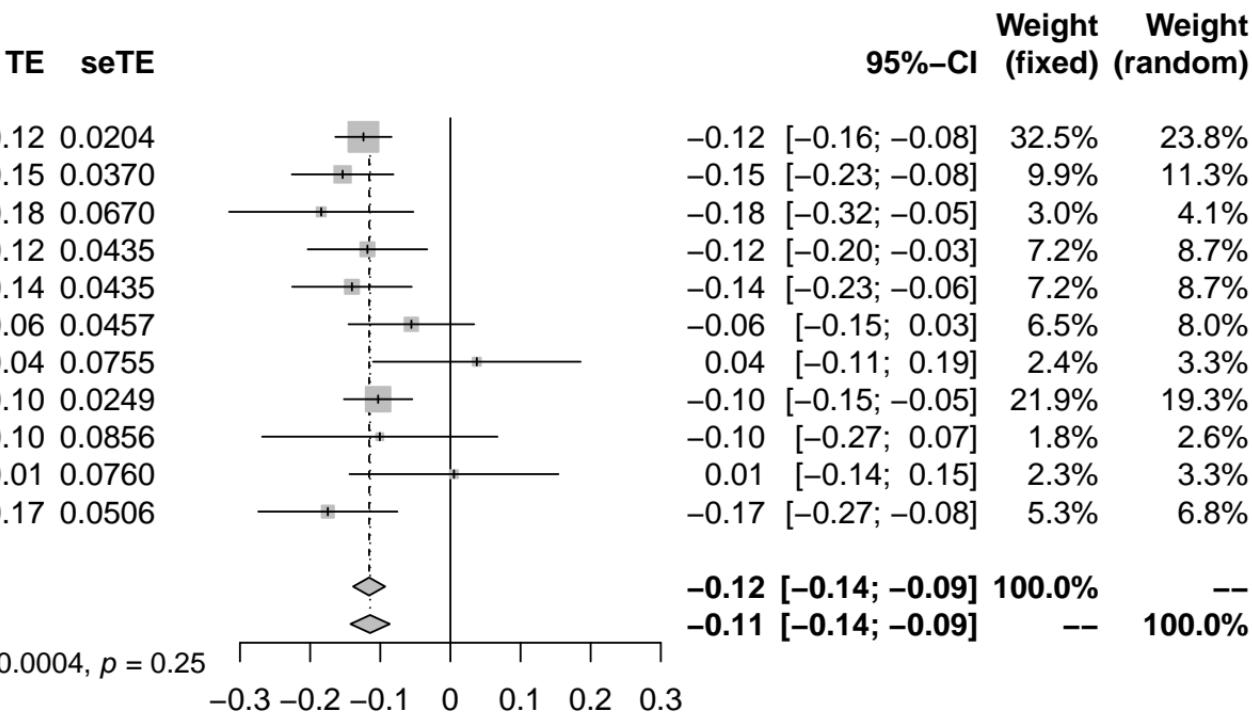
CCL23 (CCL23)-rs712048



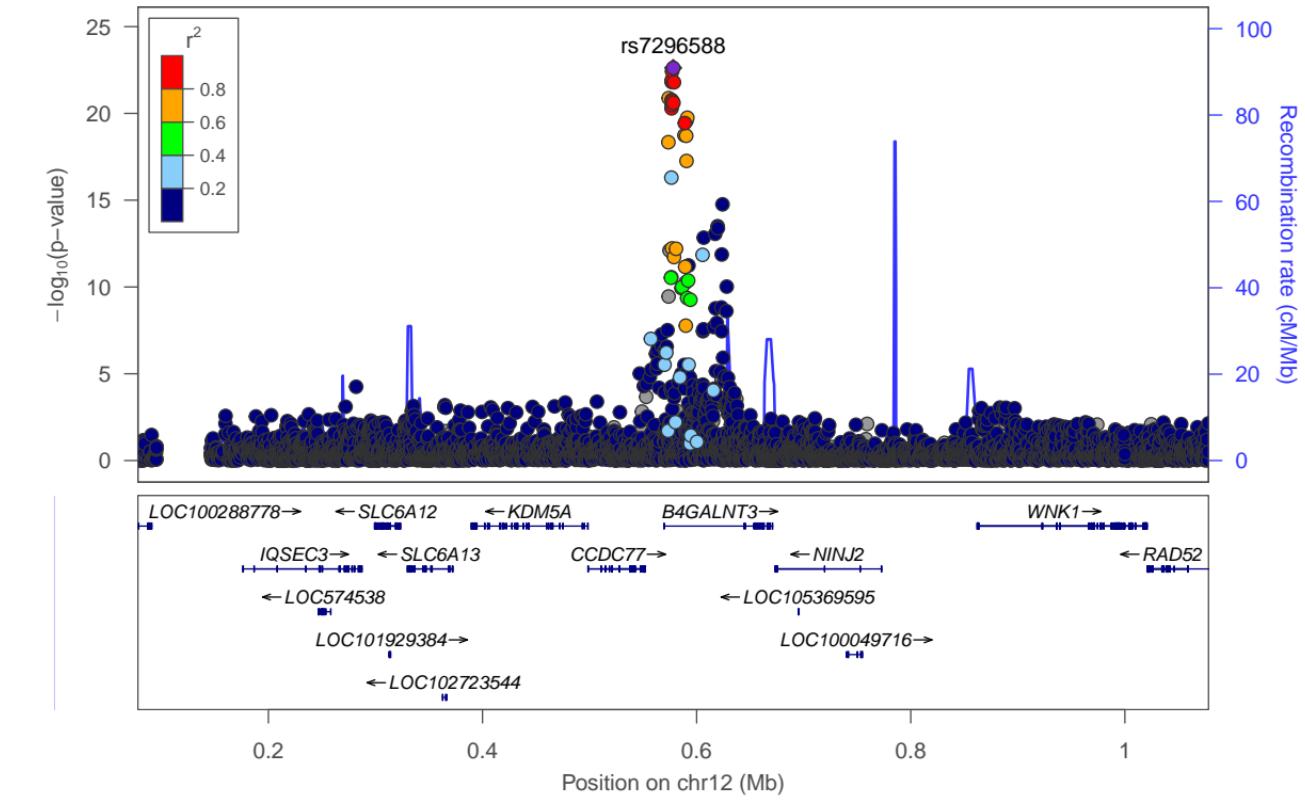
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (438)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

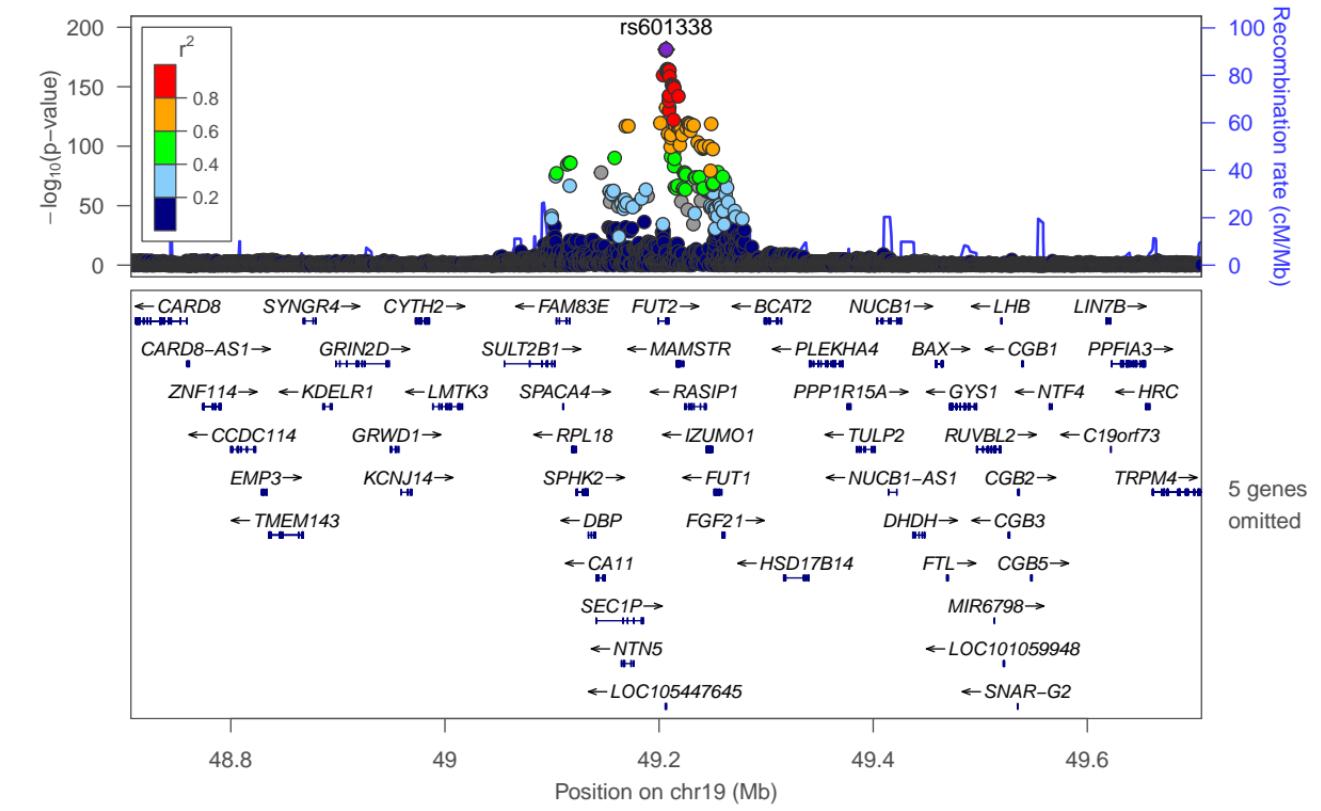
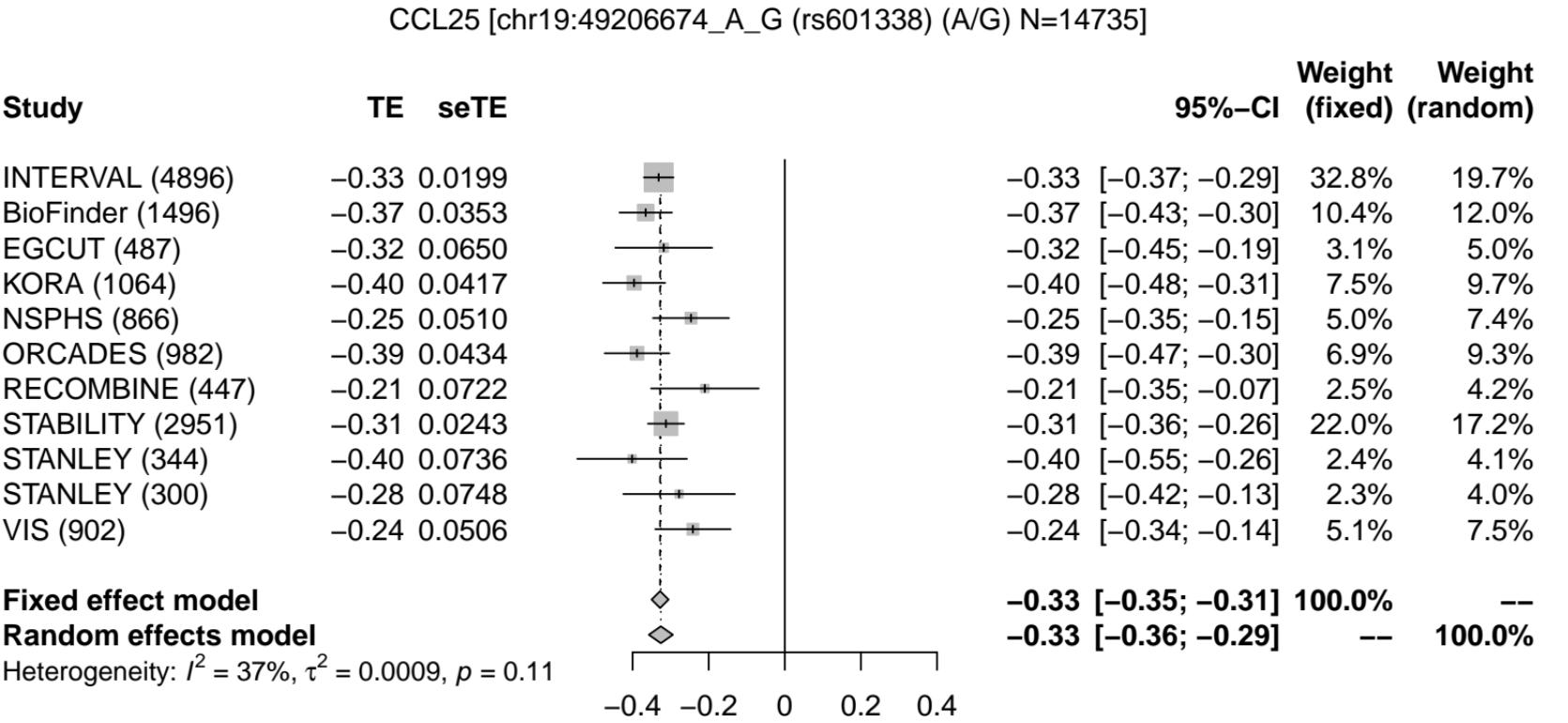
CCL25 [chr12:578100_A_G (rs7296588) (A/G) N=14726]



CCL25 (CCL25)-rs7296588

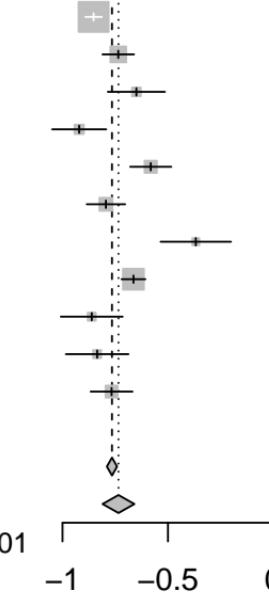


CCL25 (CCL25)-rs601338

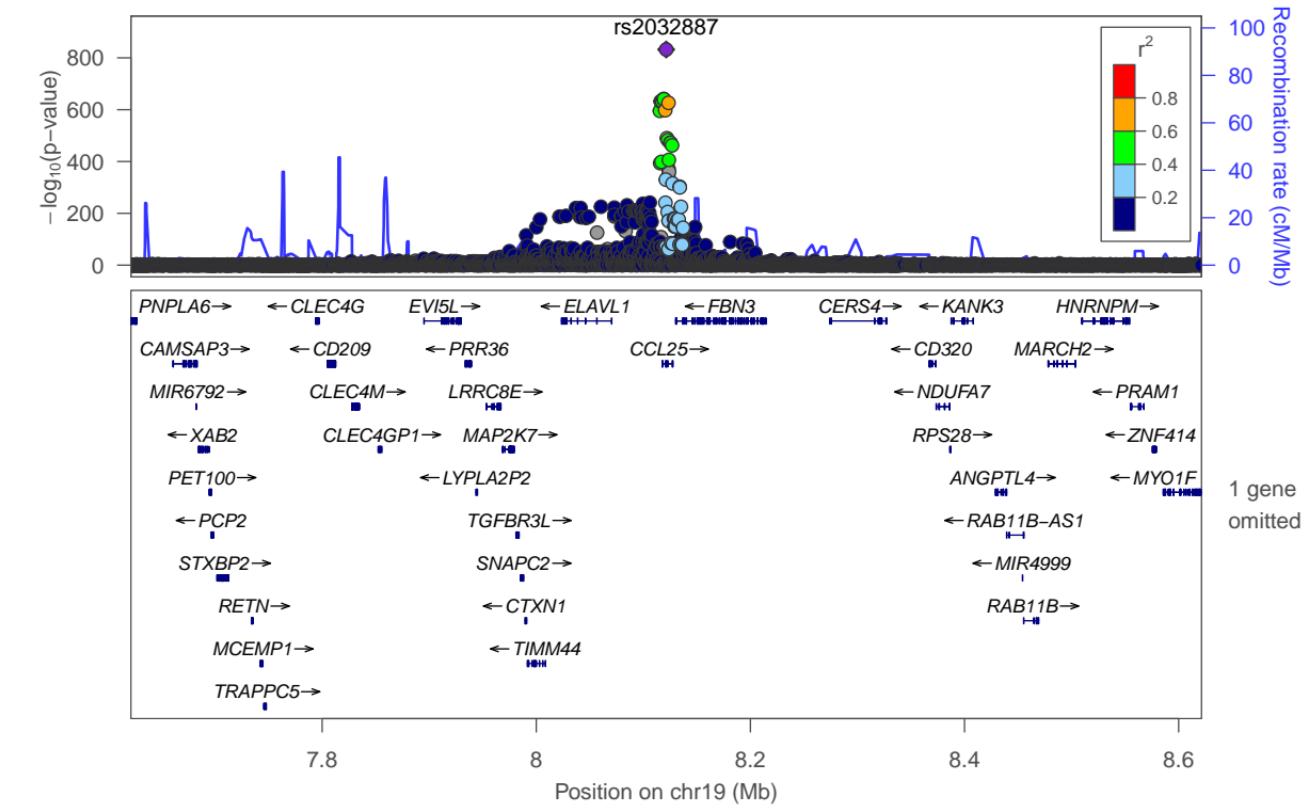


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (446)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

CCL25 [chr19:8121360_A_G (rs2032887) (A/G) N=14734]**TE seTE**

			Weight (fixed)	Weight (random)
		-0.85 [-0.89; -0.81]	37.8%	10.9%
		-0.74 [-0.81; -0.66]	10.5%	10.1%
		-0.65 [-0.79; -0.51]	3.2%	8.3%
		-0.92 [-1.05; -0.79]	3.6%	8.5%
		-0.58 [-0.68; -0.48]	6.2%	9.5%
		-0.79 [-0.89; -0.70]	7.1%	9.7%
		-0.37 [-0.54; -0.20]	2.1%	7.3%
		-0.66 [-0.72; -0.61]	18.3%	10.6%
		-0.86 [-1.01; -0.71]	2.7%	7.9%
		-0.84 [-0.98; -0.69]	2.7%	7.8%
		-0.77 [-0.87; -0.67]	6.0%	9.4%
		-0.77 [-0.79; -0.74]	100.0%	--
		-0.73 [-0.81; -0.66]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 87\%$, $\tau^2 = 0.0132$, $p < 0.01$ **CCL25 (CCL25)-rs2032887**

Study

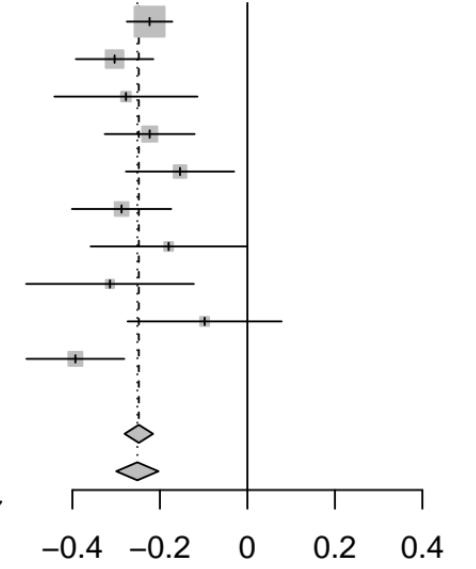
	TE	seTE
INTERVAL (4896)	-0.22	0.0265
BioFinder (1496)	-0.30	0.0452
EGCUT (487)	-0.28	0.0834
KORA (1064)	-0.22	0.0524
NSPHS (866)	-0.15	0.0631
ORCADES (982)	-0.29	0.0579
RECOMBINE (448)	-0.18	0.0910
STANLEY (344)	-0.31	0.0978
STANLEY (300)	-0.10	0.0898
VIS (902)	-0.39	0.0571

Fixed effect model
Random effects model

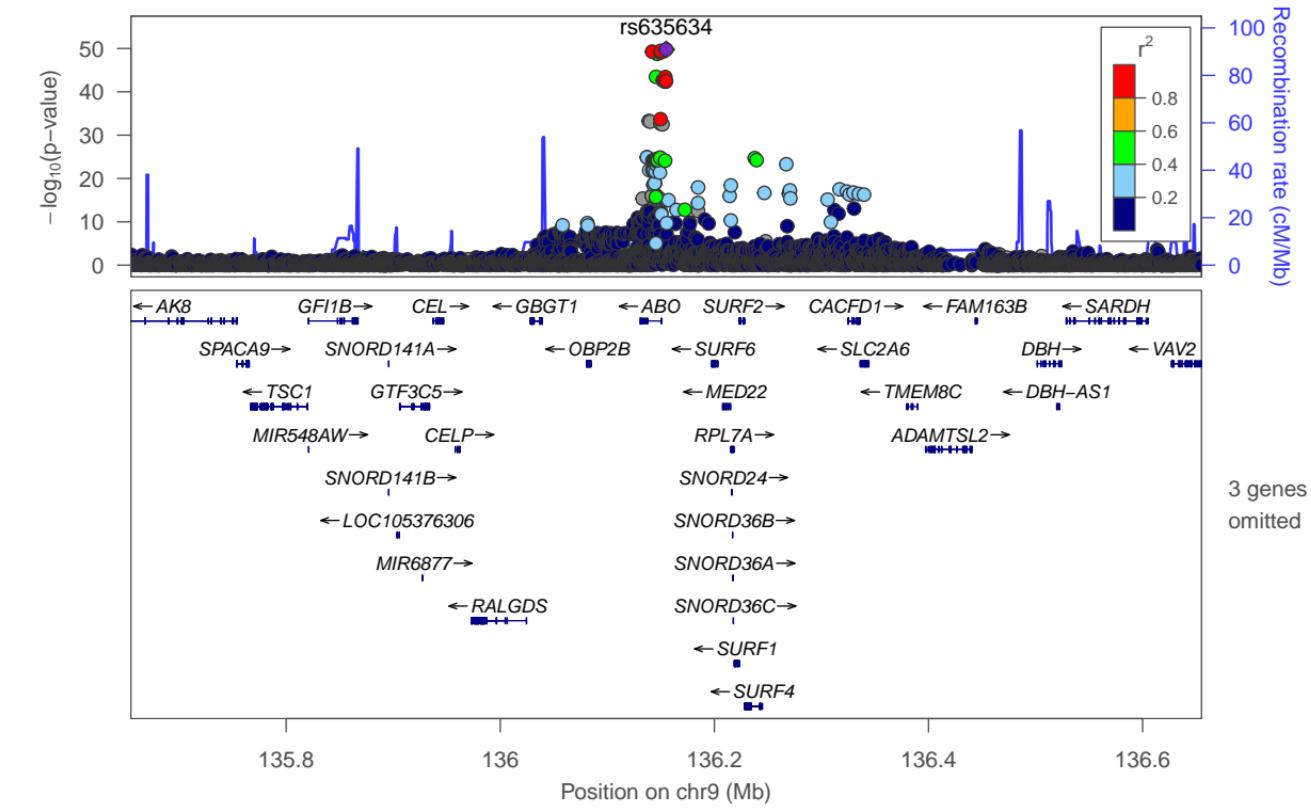
Heterogeneity: $I^2 = 43\%$, $\tau^2 = 0.0023$, $p = 0.07$

CCL25 [chr9:136155000_C_T (rs635634) (T/C) N=11785]

TE **seTE**



95%-CI **Weight (fixed)** **Weight (random)**

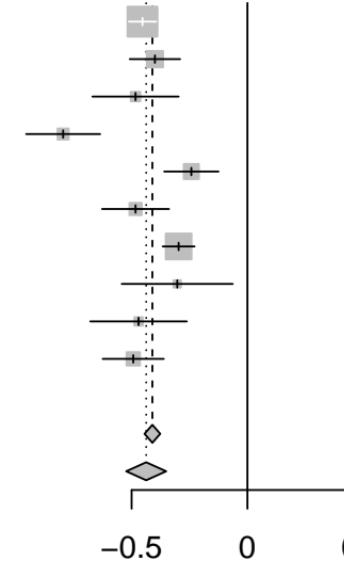
CCL25 (CCL25)-rs635634

Study

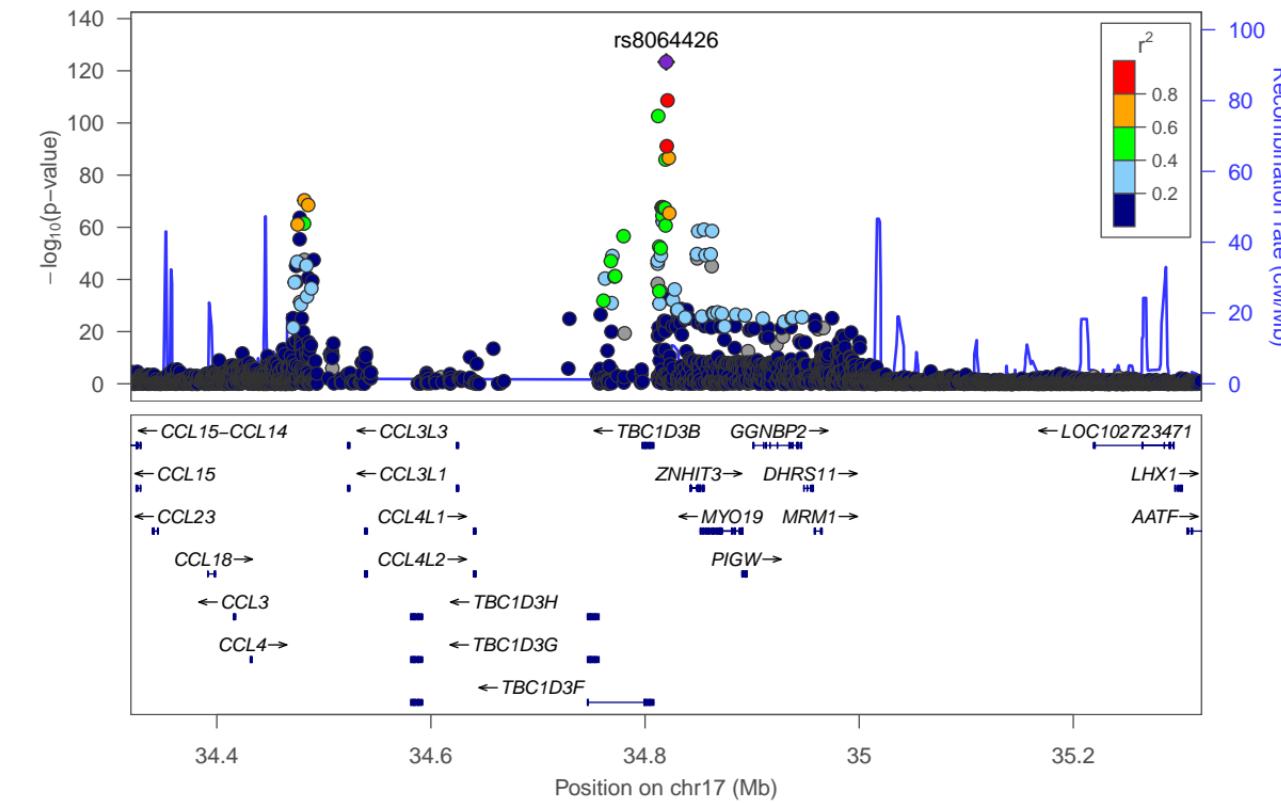
	TE	seTE
INTERVAL (4896)	-0.45	0.0302
BioFinder (1496)	-0.40	0.0555
EGCUT (487)	-0.48	0.0950
KORA (1064)	-0.80	0.0816
NSPHS (874)	-0.24	0.0599
ORCADES (982)	-0.48	0.0738
STABILITY (2951)	-0.30	0.0351
STANLEY (344)	-0.30	0.1223
STANLEY (300)	-0.47	0.1064
VIS (902)	-0.49	0.0673

Fixed effect model
Random effects model

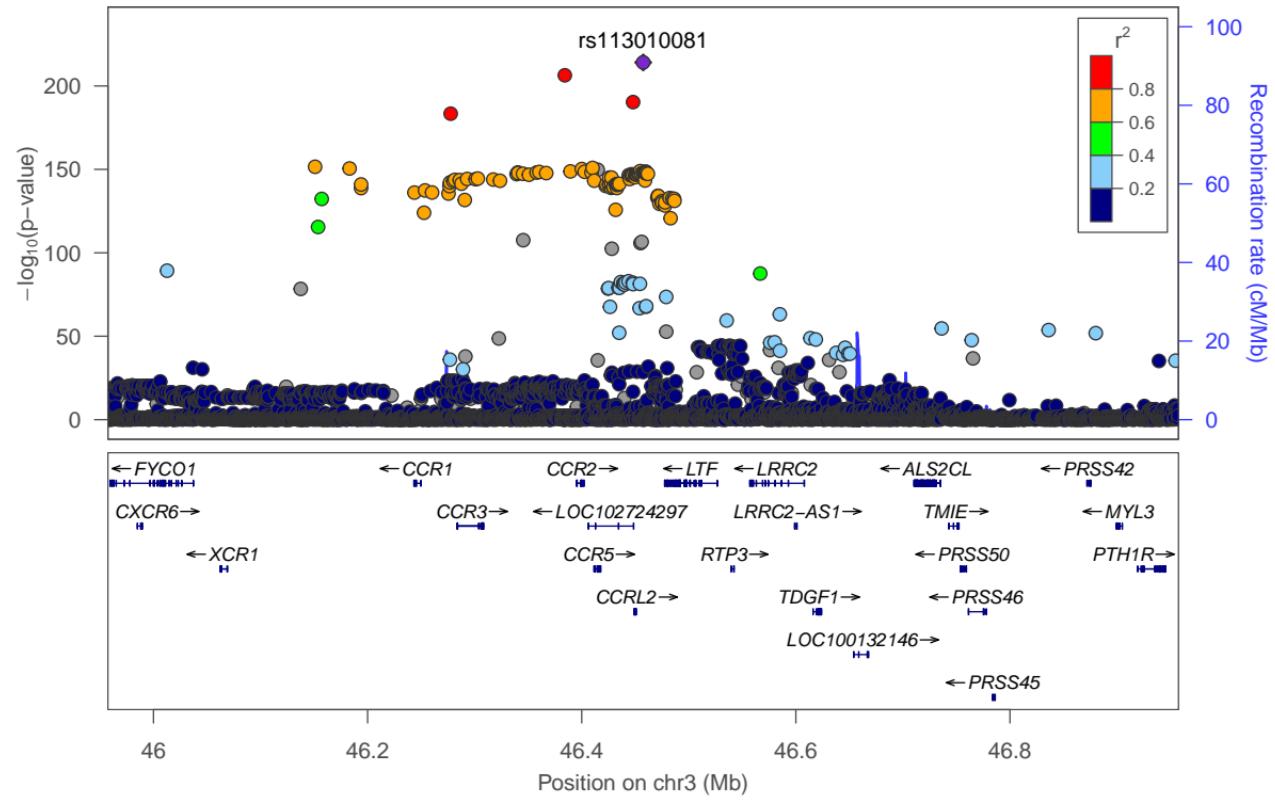
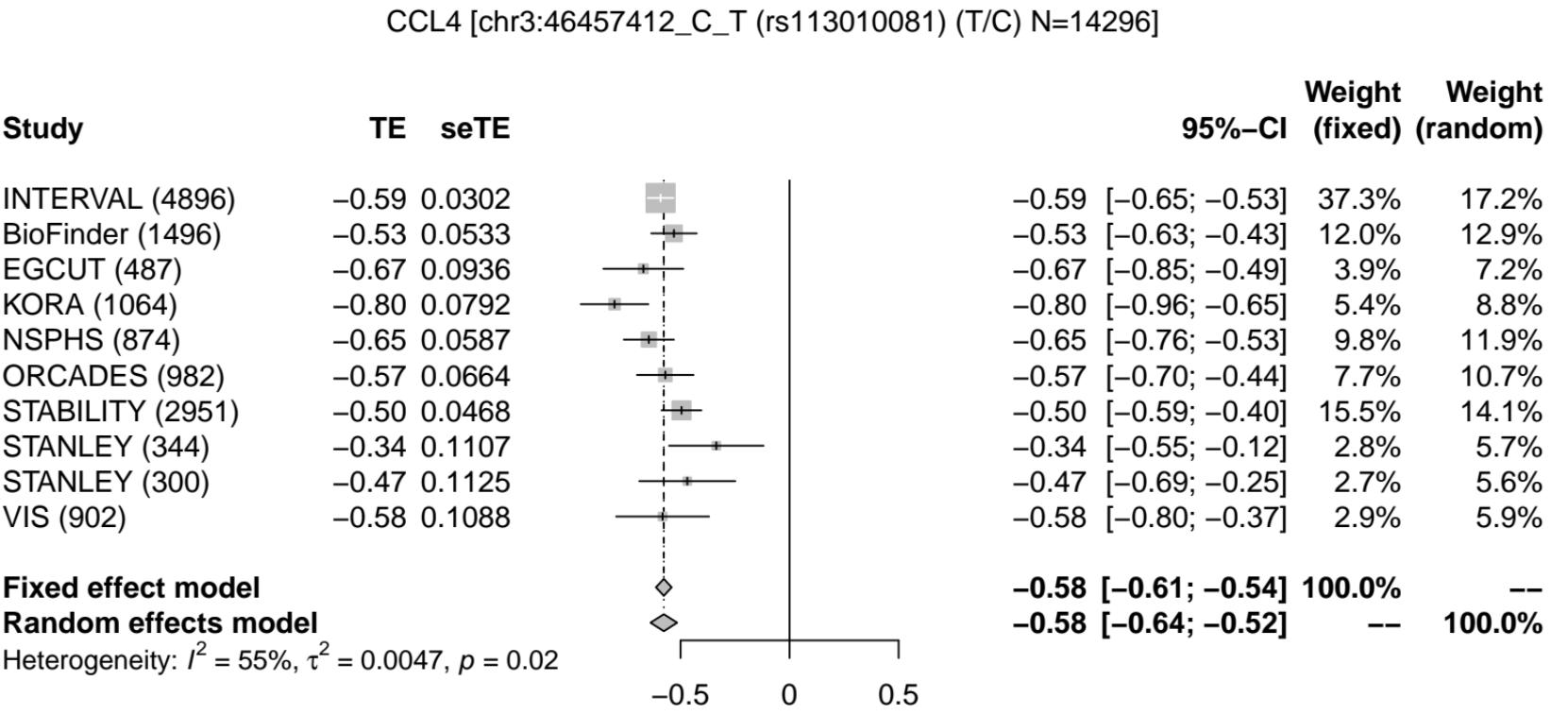
Heterogeneity: $I^2 = 81\%$, $\tau^2 = 0.0141$, $p < 0.01$

CCL4 [chr17:34819750_A_G (rs8064426) (A/G) N=14296]**TE****seTE****95%-CI****Weight (fixed)****Weight (random)**

-0.45	[-0.51; -0.39]	32.9%	12.9%
-0.40	[-0.51; -0.29]	9.7%	11.3%
-0.48	[-0.67; -0.30]	3.3%	8.4%
-0.80	[-0.96; -0.64]	4.5%	9.3%
-0.24	[-0.36; -0.12]	8.4%	10.9%
-0.48	[-0.63; -0.34]	5.5%	9.9%
-0.30	[-0.37; -0.23]	24.4%	12.6%
-0.30	[-0.54; -0.06]	2.0%	6.7%
-0.47	[-0.68; -0.26]	2.6%	7.6%
-0.49	[-0.63; -0.36]	6.6%	10.4%
-0.41	[-0.44; -0.38]	100.0%	--
-0.44	[-0.52; -0.35]	--	100.0%

CCL4 (CCL4)-rs8064426

CCL4 (CCL4)-rs113010081



CD244 (CD244)-rs11265493

CD244 [chr1:160803802_A_G (rs11265493) (A/G) N=14287]

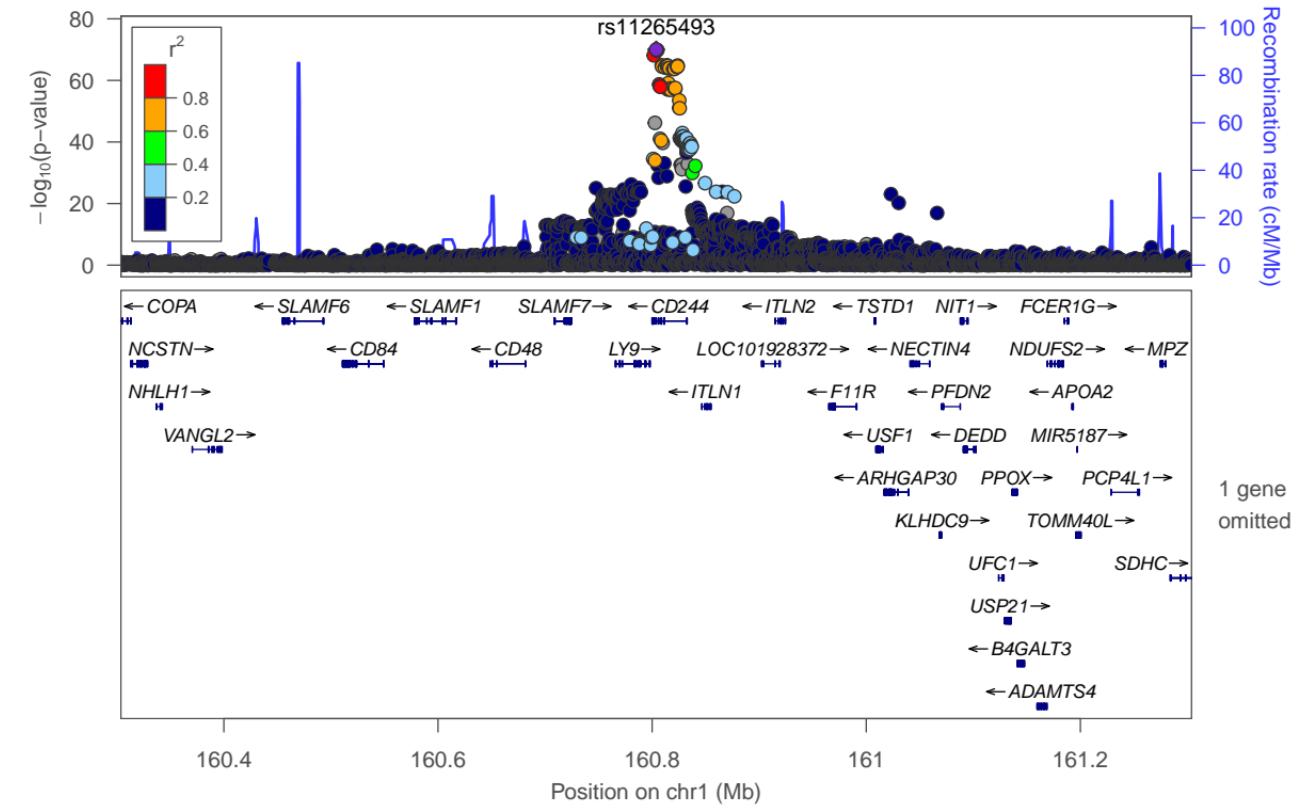
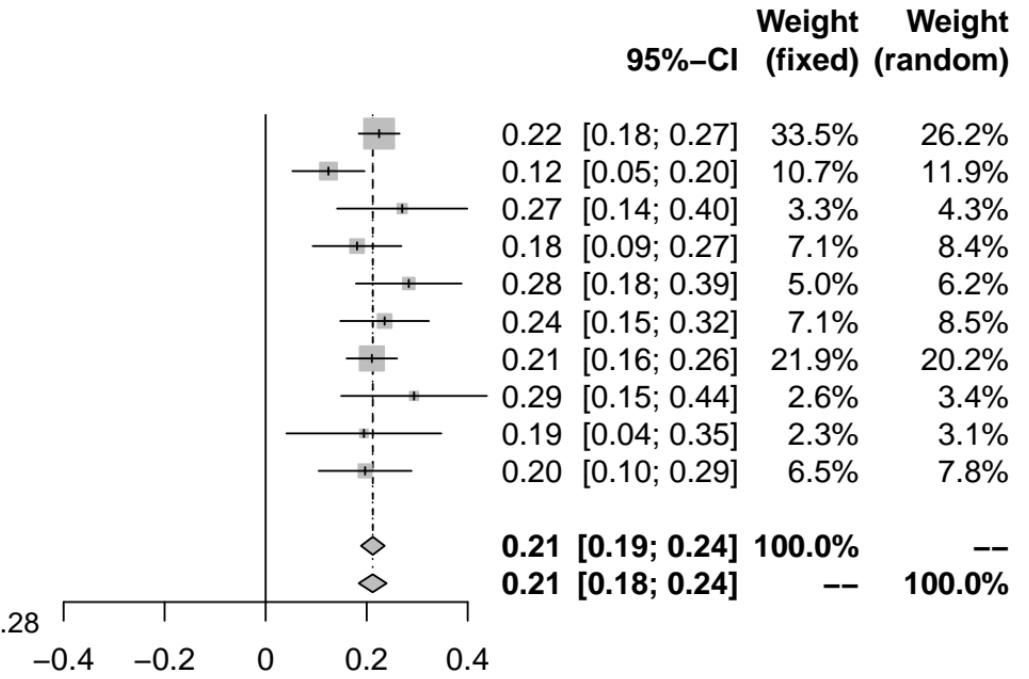
Study

	TE	seTE
INTERVAL (4896)	0.22	0.0206
BioFinder (1496)	0.12	0.0364
EGCUT (487)	0.27	0.0657
KORA (1064)	0.18	0.0448
NSPHS (866)	0.28	0.0534
ORCADES (981)	0.24	0.0448
STABILITY (2951)	0.21	0.0255
STANLEY (344)	0.29	0.0736
STANLEY (300)	0.19	0.0782
VIS (902)	0.20	0.0469

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 17\%$, $\tau^2 = 0.0003$, $p = 0.28$



CD244 [chr12:111884608_C_T (rs3184504) (T/C) N=11784]

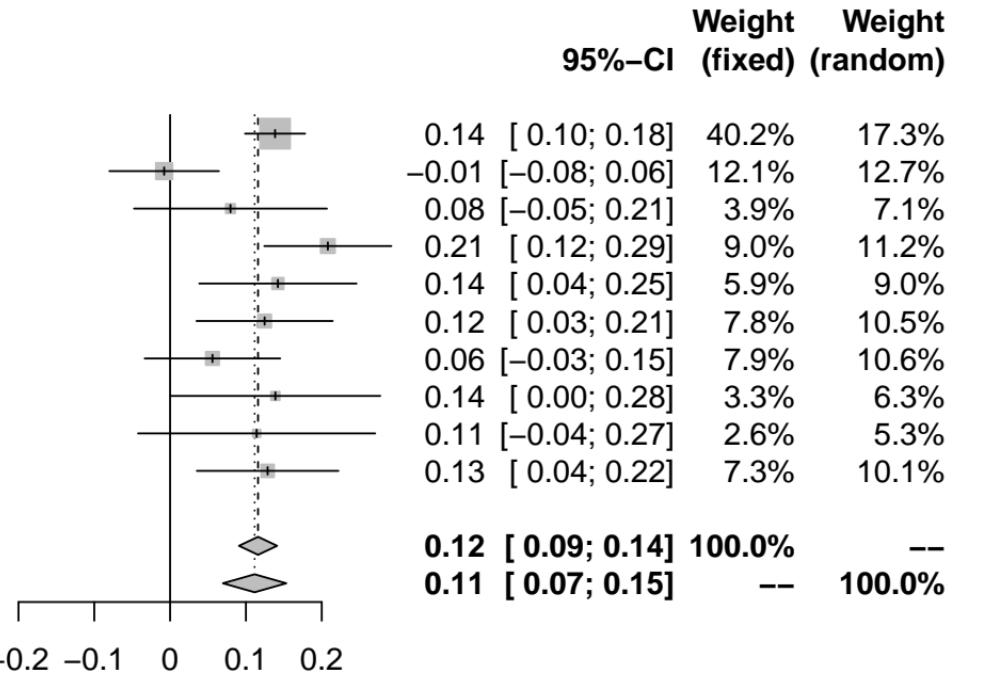
Study

	TE	seTE
INTERVAL (4896)	0.14	0.0202
BioFinder (1496)	-0.01	0.0369
EGCUT (487)	0.08	0.0649
KORA (1064)	0.21	0.0428
NSPHS (866)	0.14	0.0529
ORCADES (981)	0.12	0.0458
RECOMBINE (448)	0.06	0.0456
STANLEY (344)	0.14	0.0706
STANLEY (300)	0.11	0.0798
VIS (902)	0.13	0.0476

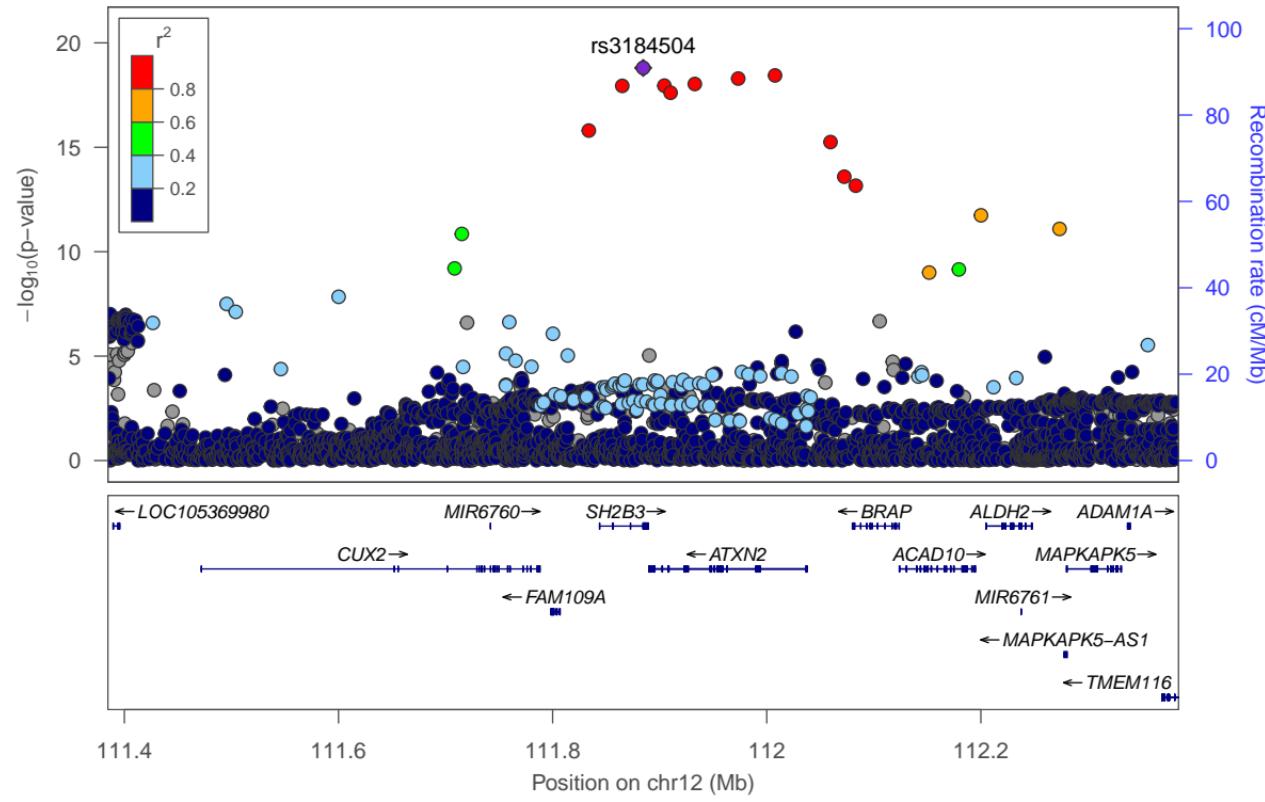
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 54\%$, $\tau^2 = 0.0022$, $p = 0.02$



CD244 (CD244)-rs3184504

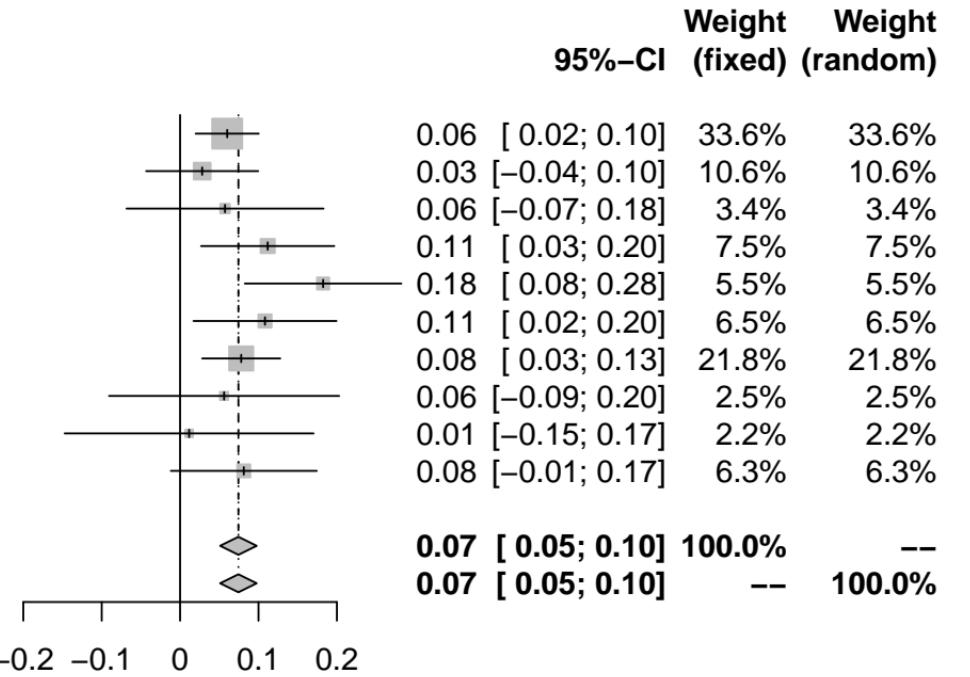


CD244 [chr1:44253015_C_T (rs3828139) (T/C) N=14287]

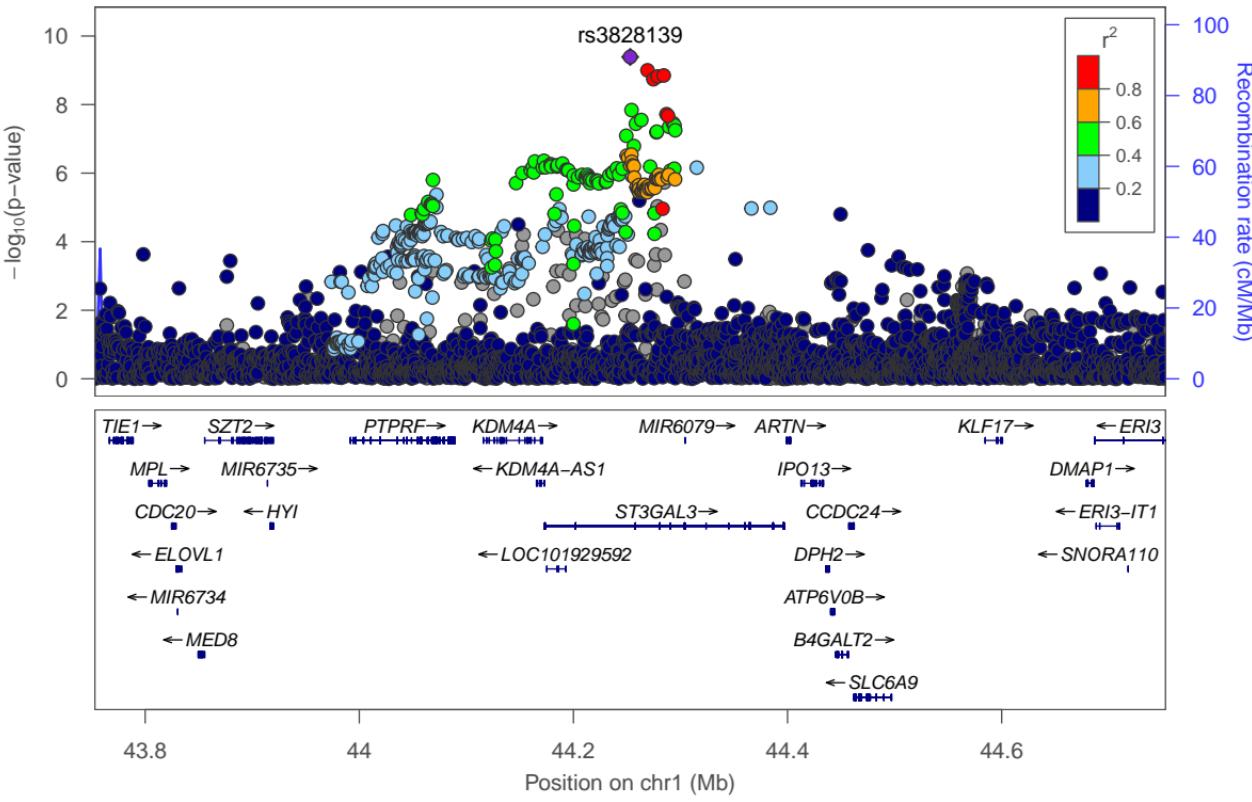
Study	TE	seTE
INTERVAL (4896)	0.06	0.0205
BioFinder (1496)	0.03	0.0365
EGCUT (487)	0.06	0.0641
KORA (1064)	0.11	0.0434
NSPHS (866)	0.18	0.0510
ORCADES (981)	0.11	0.0466
STABILITY (2951)	0.08	0.0255
STANLEY (344)	0.06	0.0749
STANLEY (300)	0.01	0.0810
VIS (902)	0.08	0.0475

Fixed effect model
Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.47$



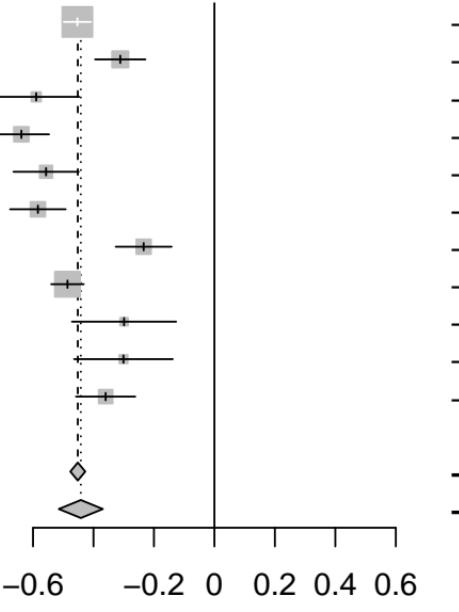
CD244 (CD244)-rs3828139



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

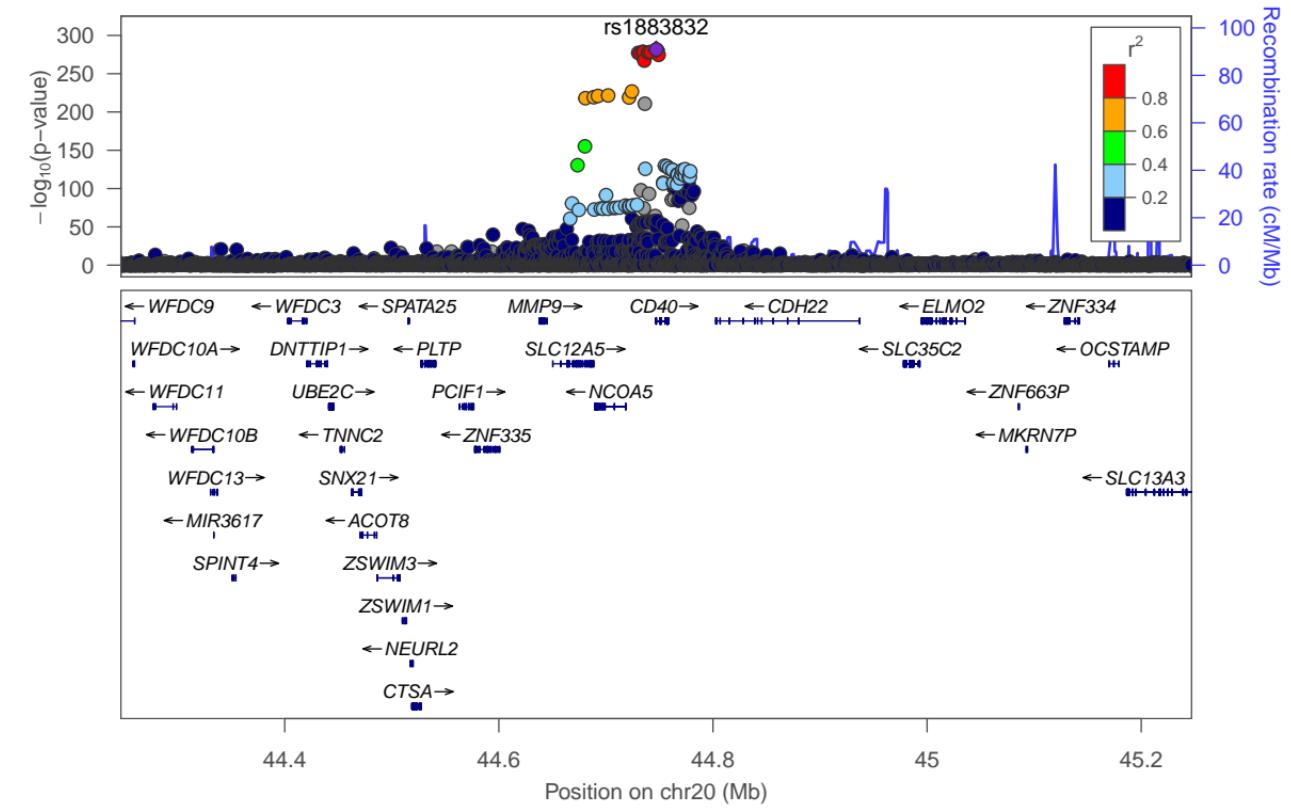
CD40 [chr20:44746982_C_T (rs1883832) (T/C) N=14736]

TE seTE

	95%-CI	Weight (fixed)	Weight (random)
	-0.45 [-0.50; -0.41]	29.9%	10.8%
	-0.31 [-0.39; -0.23]	8.8%	9.8%
	-0.59 [-0.73; -0.45]	3.0%	7.9%
	-0.64 [-0.73; -0.55]	7.3%	9.5%
	-0.56 [-0.66; -0.45]	5.2%	9.0%
	-0.58 [-0.68; -0.49]	7.2%	9.5%
	-0.23 [-0.33; -0.14]	7.1%	9.5%
	-0.49 [-0.54; -0.43]	20.9%	10.6%
	-0.30 [-0.47; -0.13]	2.0%	6.9%
	-0.30 [-0.46; -0.14]	2.3%	7.2%
	-0.36 [-0.46; -0.26]	6.3%	9.3%
	-0.45 [-0.48; -0.43]	100.0%	--
	-0.44 [-0.51; -0.37]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 87\%$, $\tau^2 = 0.0122$, $p < 0.01$

CD40 (CD40)-rs1883832



CD5 [chr11:60922561_C_G (rs674379) (C/G) N=12835]

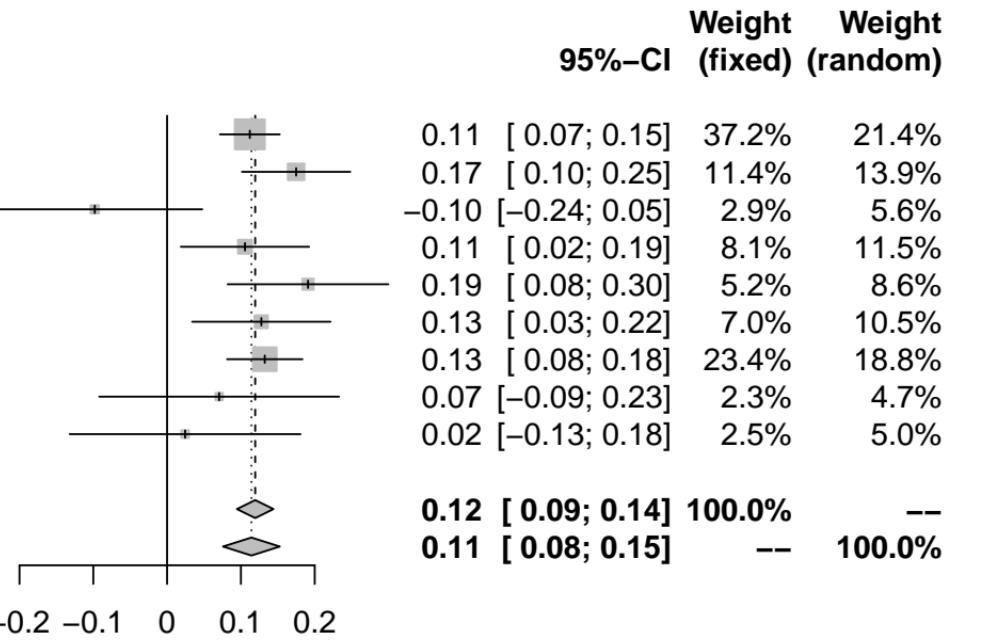
Study

	TE	seTE
INTERVAL (4896)	0.11	0.0207
BioFinder (1496)	0.17	0.0375
EGCUT (487)	-0.10	0.0743
KORA (1064)	0.11	0.0444
NSPHS (866)	0.19	0.0556
RECOMBINE (431)	0.13	0.0478
STABILITY (2951)	0.13	0.0261
STANLEY (344)	0.07	0.0829
STANLEY (300)	0.02	0.0798

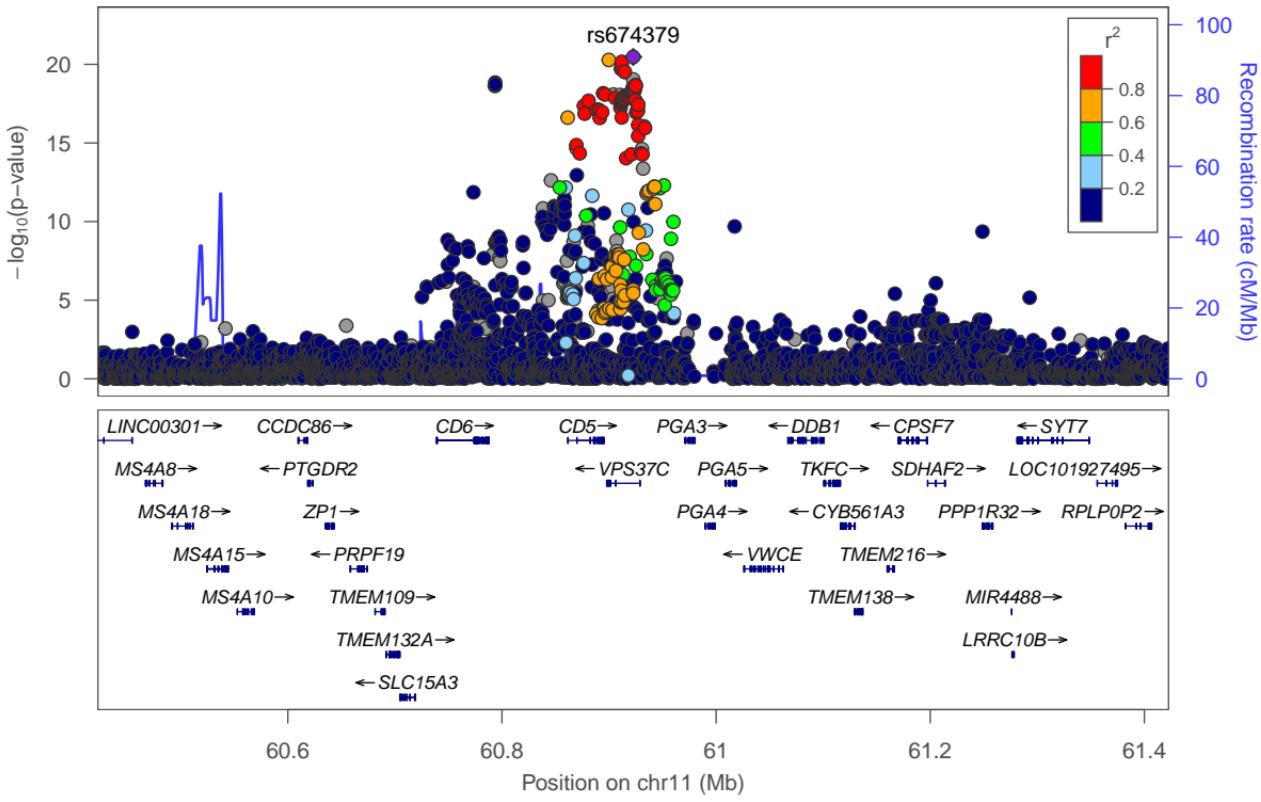
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 45\%$, $\tau^2 = 0.0014$, $p = 0.07$



CD5 (CD5)-rs674379



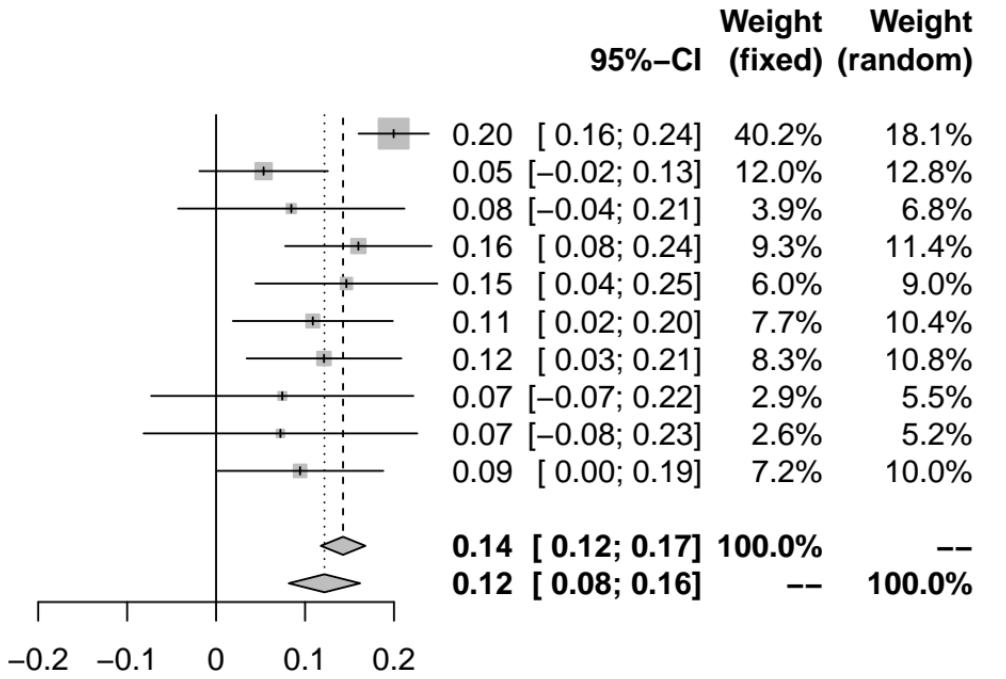
CD5 [chr12:111884608_C_T (rs3184504) (T/C) N=11784]

Study	TE	seTE
INTERVAL (4896)	0.20	0.0201
BioFinder (1496)	0.05	0.0368
EGCUT (487)	0.08	0.0649
KORA (1064)	0.16	0.0420
NSPHS (866)	0.15	0.0522
ORCADES (981)	0.11	0.0459
RECOMBINE (448)	0.12	0.0444
STANLEY (344)	0.07	0.0752
STANLEY (300)	0.07	0.0785
VIS (902)	0.09	0.0477

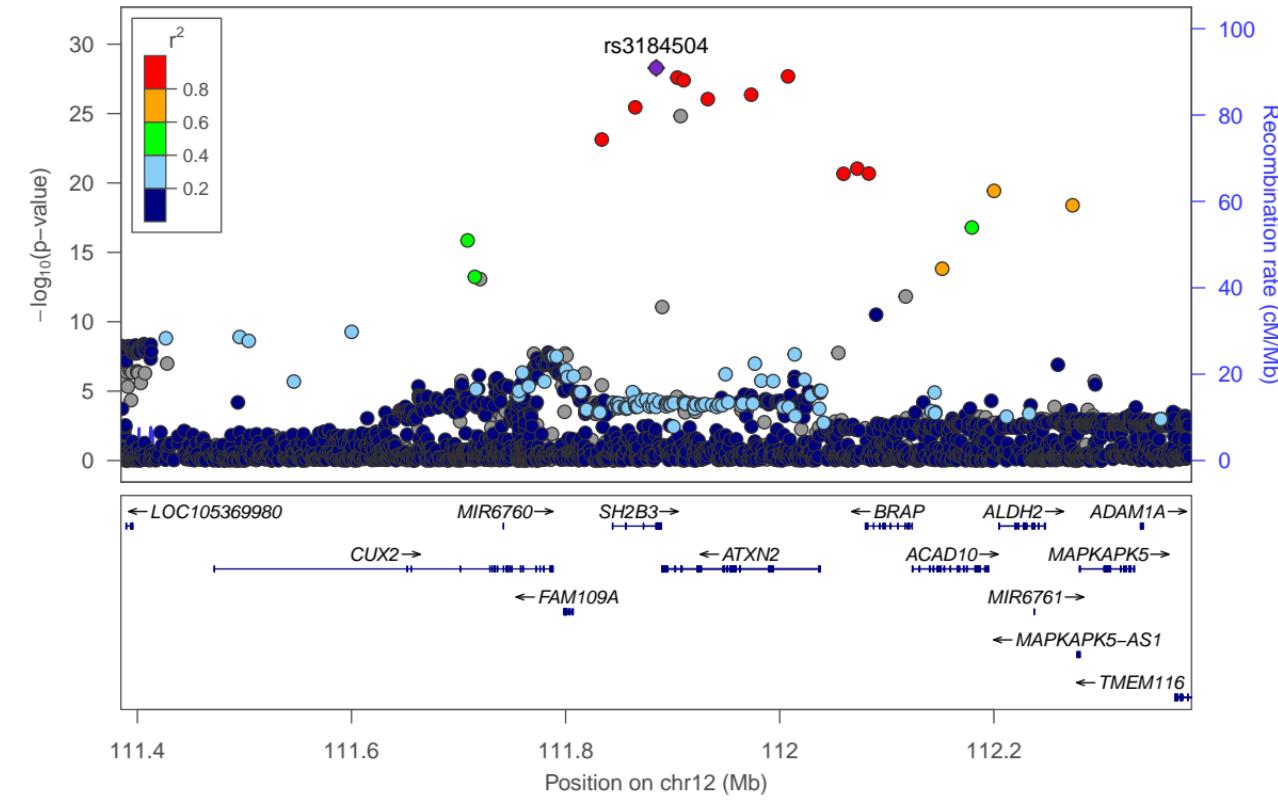
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 51\%$, $\tau^2 = 0.0019$, $p = 0.03$



CD5 (CD5)-rs3184504



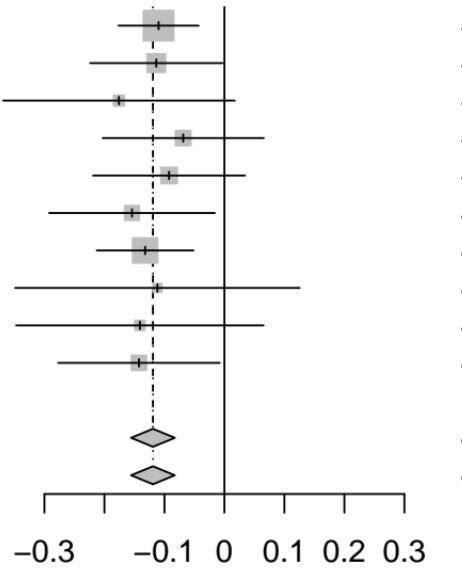
Study

Study	TE	seTE
INTERVAL (4896)	-0.11	0.0341
BioFinder (1496)	-0.11	0.0563
EGCUT (487)	-0.18	0.0985
KORA (1064)	-0.07	0.0686
NSPHS (866)	-0.09	0.0647
ORCADES (981)	-0.15	0.0705
STABILITY (2951)	-0.13	0.0412
STANLEY (344)	-0.11	0.1210
STANLEY (300)	-0.14	0.1052
VIS (902)	-0.14	0.0687

Fixed effect model
Random effects model

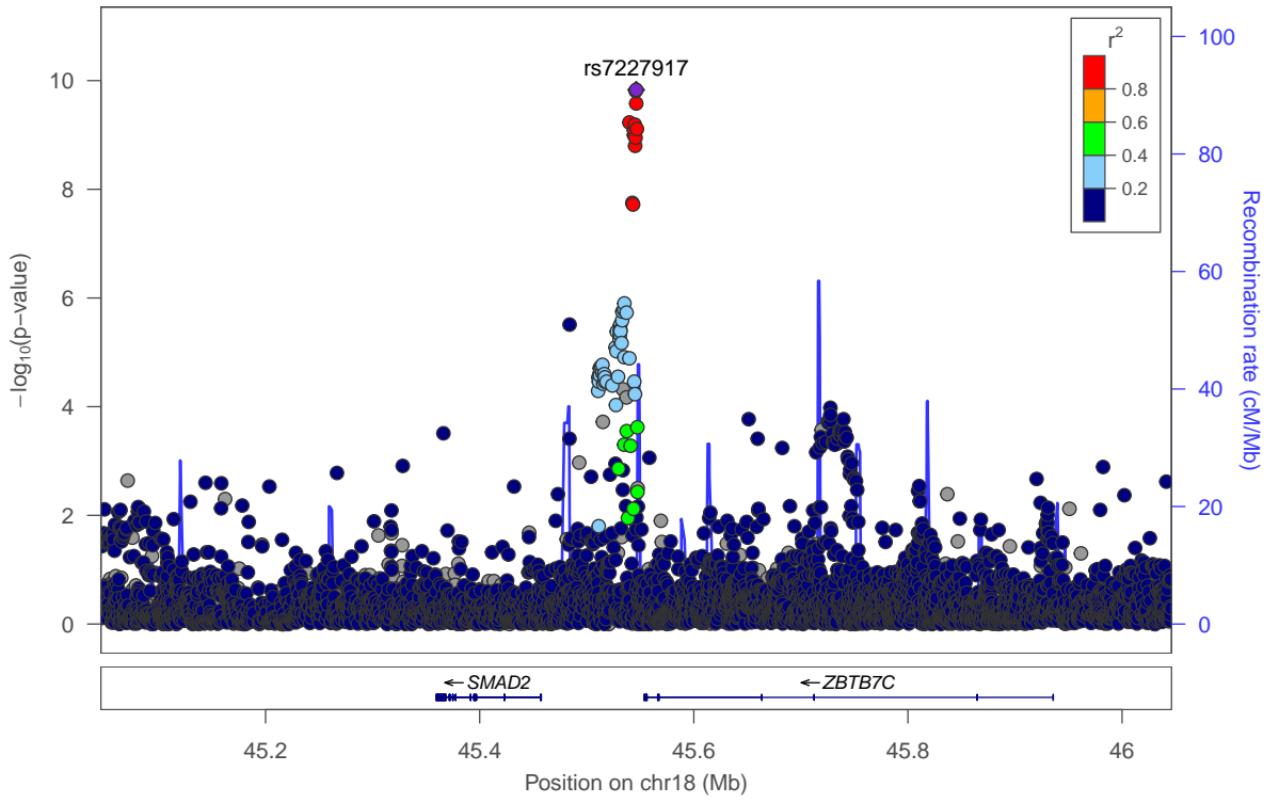
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 1.00$

CD5 [chr18:45546185_A_G (rs7227917) (A/G) N=14287]

TE seTE

	95%-CI	Weight (fixed)	Weight (random)
	-0.11 [-0.18; -0.04]	29.8%	29.8%
	-0.11 [-0.22; 0.00]	10.9%	10.9%
	-0.18 [-0.37; 0.02]	3.6%	3.6%
	-0.07 [-0.20; 0.07]	7.4%	7.4%
	-0.09 [-0.22; 0.03]	8.3%	8.3%
	-0.15 [-0.29; -0.02]	6.9%	6.9%
	-0.13 [-0.21; -0.05]	20.4%	20.4%
	-0.11 [-0.35; 0.13]	2.4%	2.4%
	-0.14 [-0.35; 0.07]	3.1%	3.1%
	-0.14 [-0.28; -0.01]	7.3%	7.3%
	-0.12 [-0.16; -0.08]	100.0%	--
	-0.12 [-0.16; -0.08]	--	100.0%

CD5 (CD5)-rs7227917



CD6 [chr11:60776781_C_T (rs2074227) (T/C) N=14734]

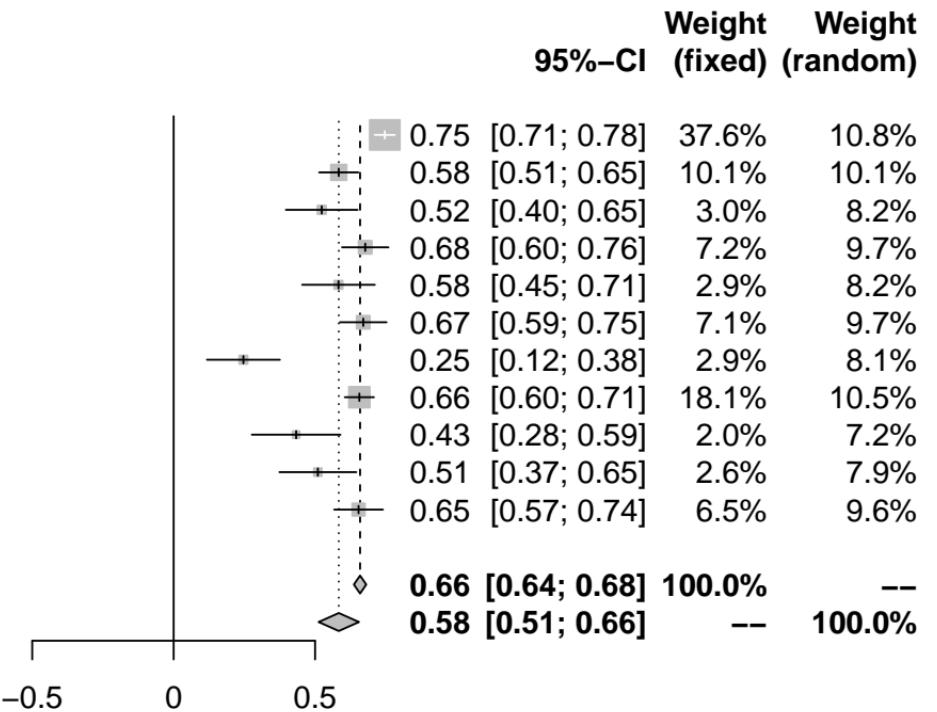
Study

	TE	seTE
INTERVAL (4896)	0.75	0.0183
BioFinder (1496)	0.58	0.0353
EGCUT (487)	0.52	0.0647
KORA (1064)	0.68	0.0419
NSPHS (866)	0.58	0.0656
ORCADES (982)	0.67	0.0421
RECOMBINE (447)	0.25	0.0658
STABILITY (2951)	0.66	0.0263
STANLEY (344)	0.43	0.0800
STANLEY (300)	0.51	0.0694
VIS (901)	0.65	0.0441

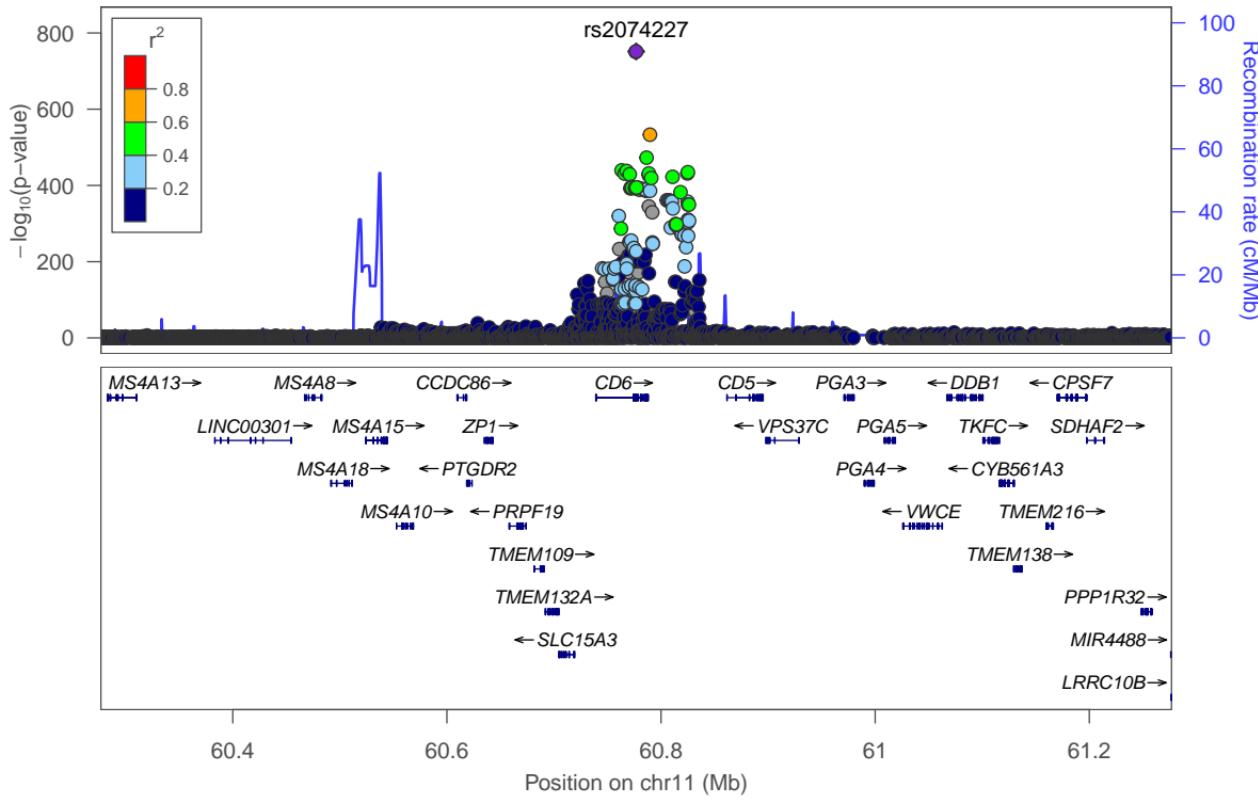
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 88\%$, $\tau^2 = 0.0119$, $p < 0.01$



CD6 (CD6)-rs2074227



CD6 [chr12:111973358_A_G (rs597808) (A/G) N=11336]

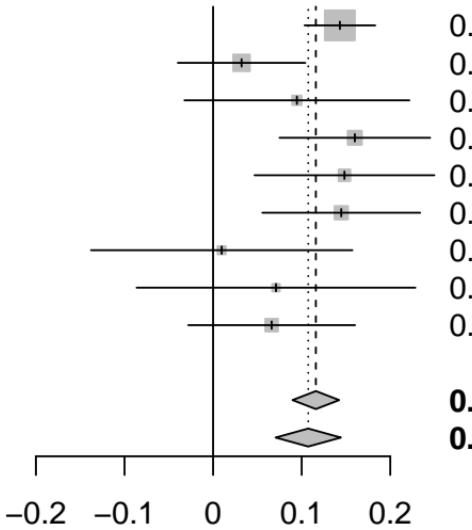
Study

Study	TE	seTE
INTERVAL (4896)	0.14	0.0204
BioFinder (1496)	0.03	0.0367
EGCUT (487)	0.09	0.0648
KORA (1064)	0.16	0.0434
NSPHS (866)	0.15	0.0518
ORCADES (982)	0.14	0.0454
STANLEY (344)	0.01	0.0753
STANLEY (300)	0.07	0.0803
VIS (901)	0.07	0.0481

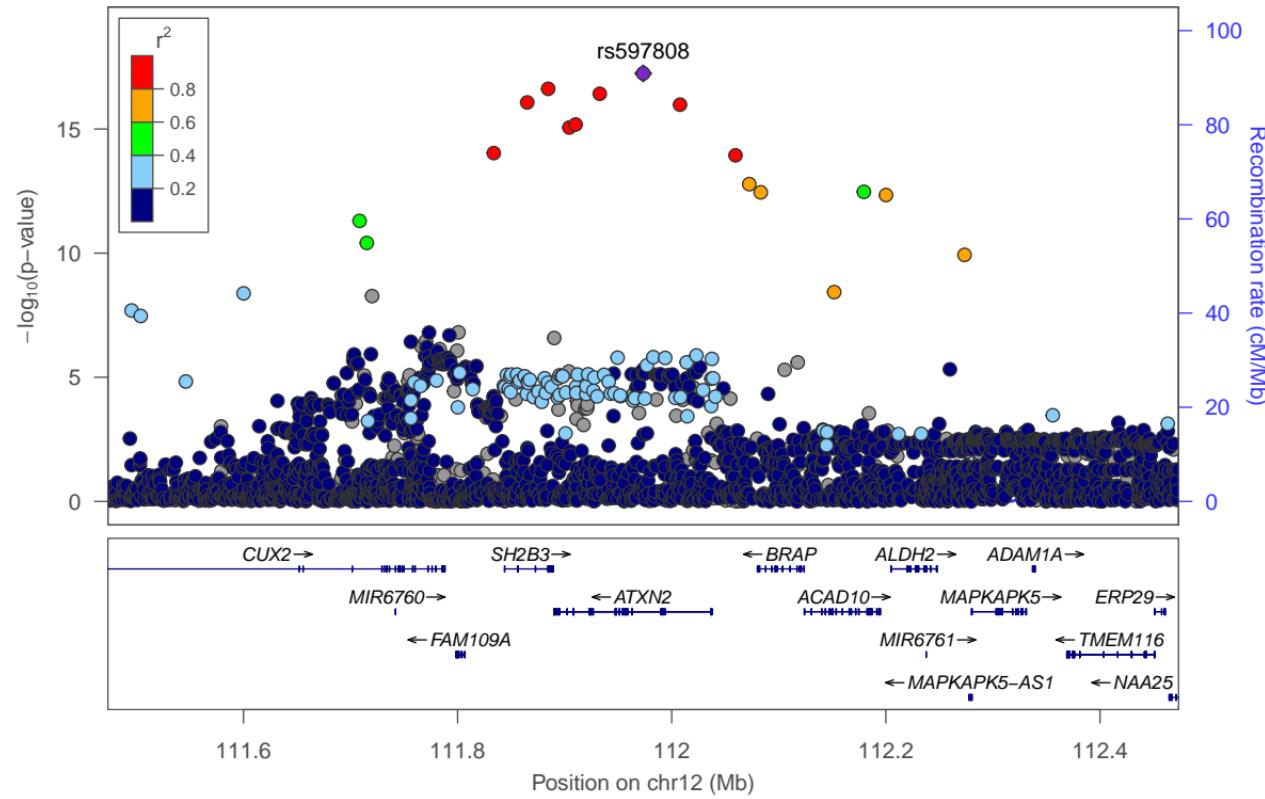
TE seTE

	95%-CI	Weight (fixed)	Weight (random)
	0.14 [0.10; 0.18]	43.5%	24.6%
	0.03 [-0.04; 0.10]	13.4%	14.9%
	0.09 [-0.03; 0.22]	4.3%	6.8%
	0.16 [0.07; 0.25]	9.6%	12.2%
	0.15 [0.05; 0.25]	6.7%	9.5%
	0.14 [0.06; 0.23]	8.7%	11.4%
	0.01 [-0.14; 0.16]	3.2%	5.3%
	0.07 [-0.09; 0.23]	2.8%	4.7%
	0.07 [-0.03; 0.16]	7.8%	10.6%
Fixed effect model	0.12 [0.09; 0.14]	100.0%	--
Random effects model	0.11 [0.07; 0.14]	--	100.0%

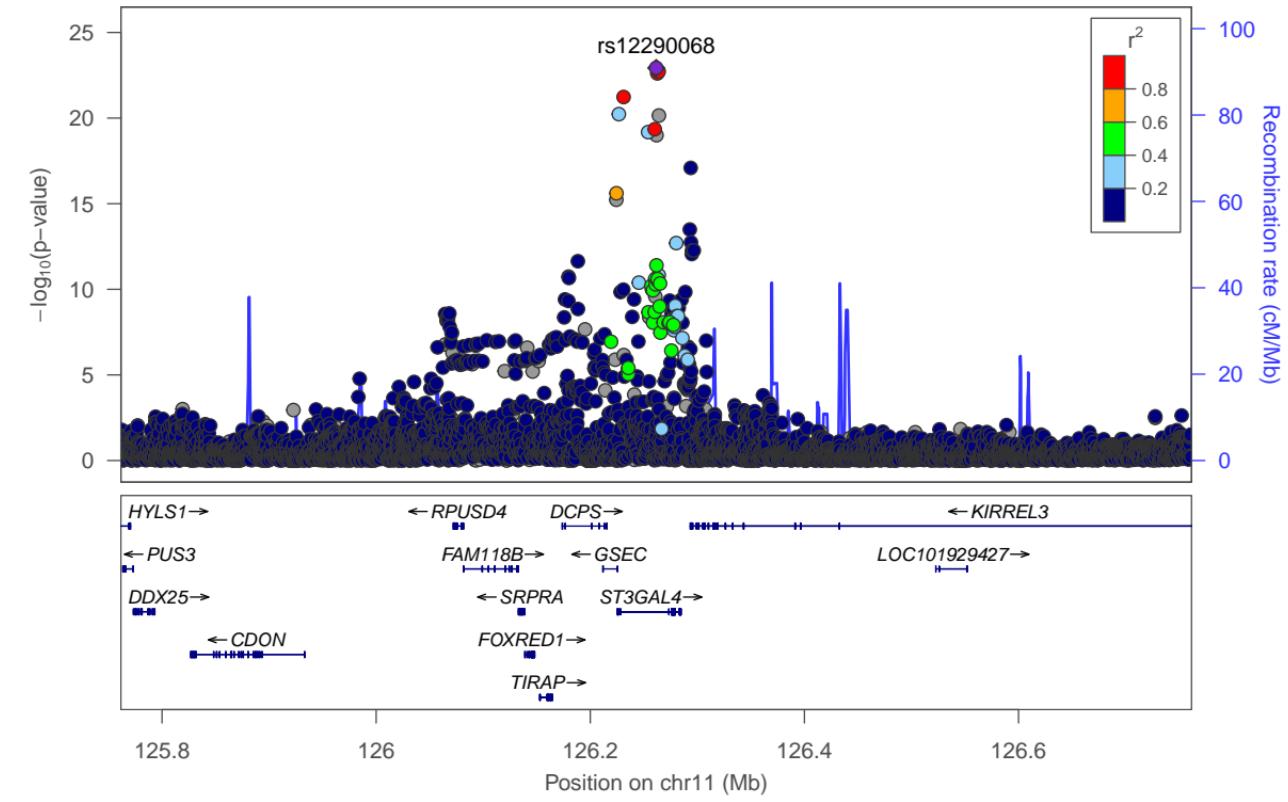
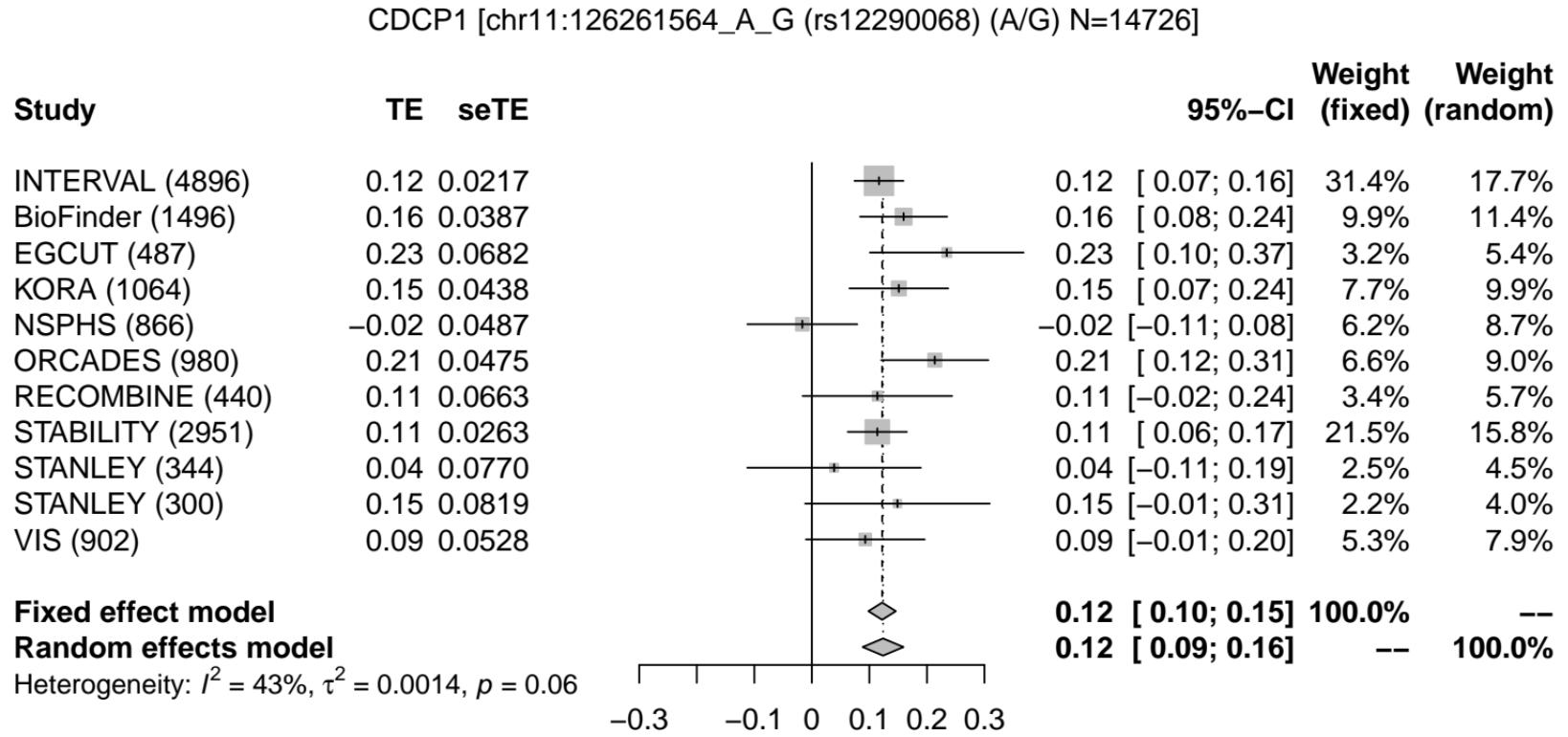
Heterogeneity: $I^2 = 35\%$, $\tau^2 = 0.0010$, $p = 0.14$



CD6 (CD6)-rs597808



CDCP1 (CDCP1)-rs12290068



CDCP1 (CDCP1)-rs2276862

CDCP1 [chr3:45187785_C_G (rs2276862) (C/G) N=14730]

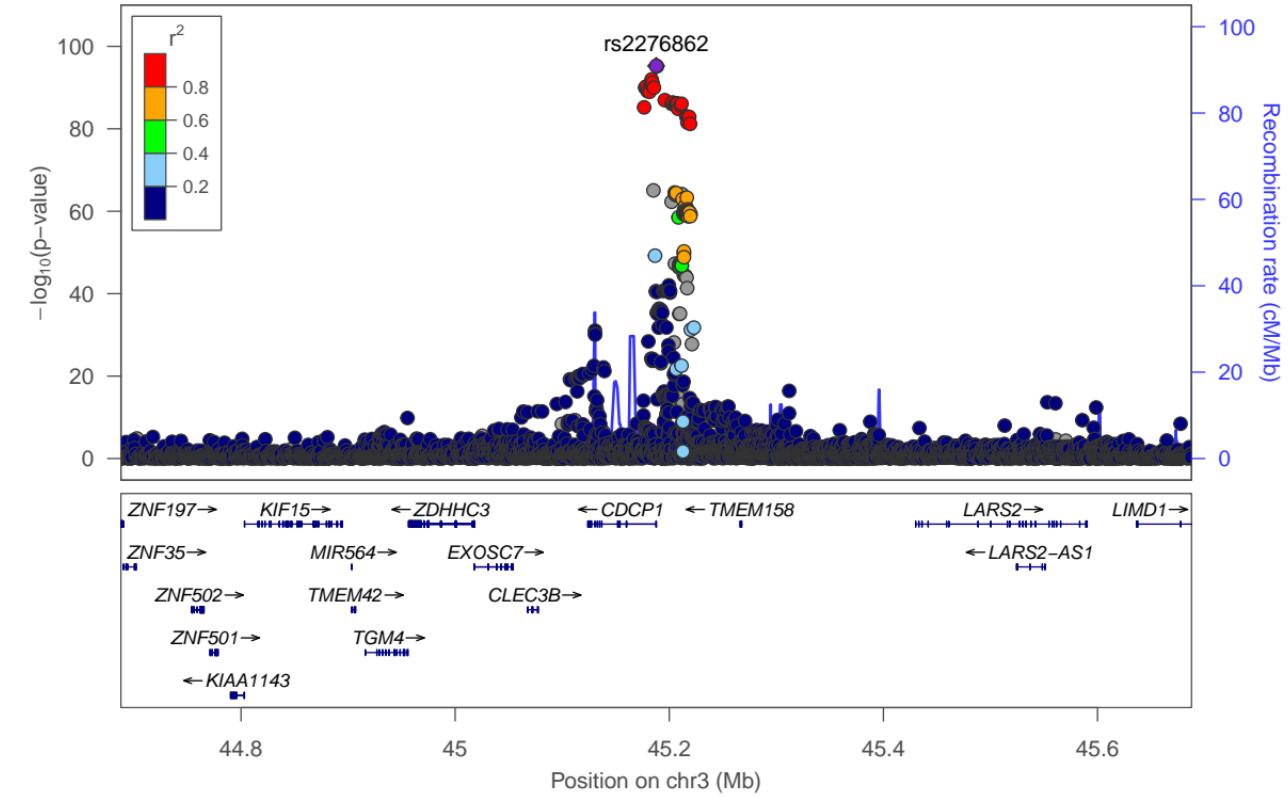
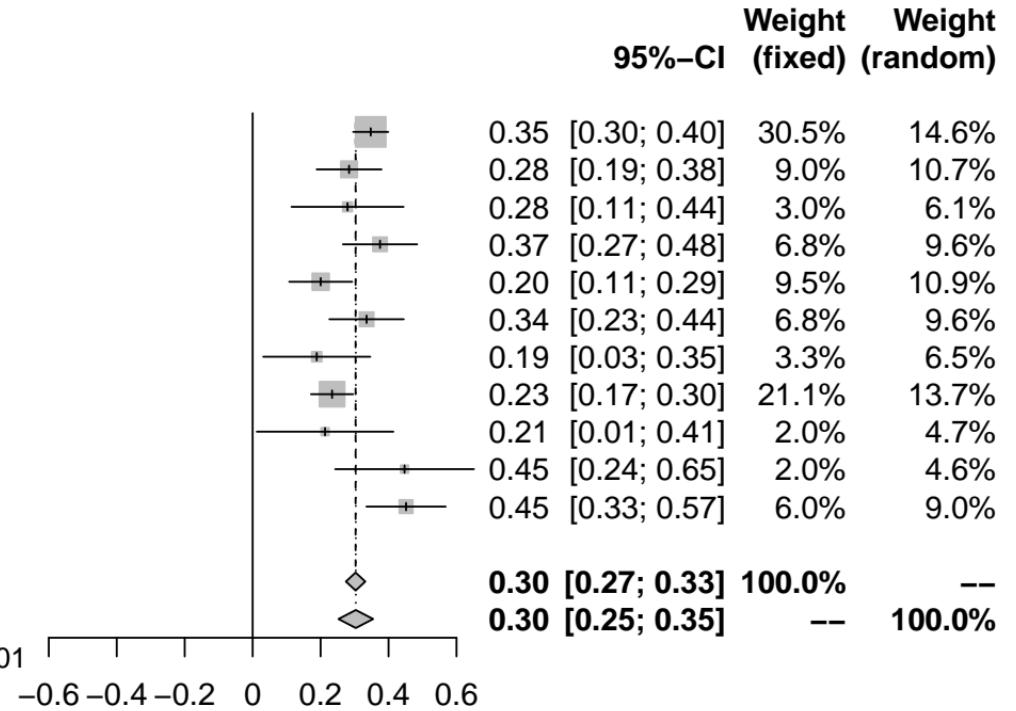
Study

	TE	seTE
INTERVAL (4896)	0.35	0.0264
BioFinder (1496)	0.28	0.0487
EGCUT (487)	0.28	0.0842
KORA (1064)	0.37	0.0558
NSPHS (866)	0.20	0.0473
ORCADES (980)	0.34	0.0558
RECOMBINE (444)	0.19	0.0804
STABILITY (2951)	0.23	0.0317
STANLEY (344)	0.21	0.1026
STANLEY (300)	0.45	0.1042
VIS (902)	0.45	0.0596

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 61\%$, $\tau^2 = 0.0040$, $p < 0.01$



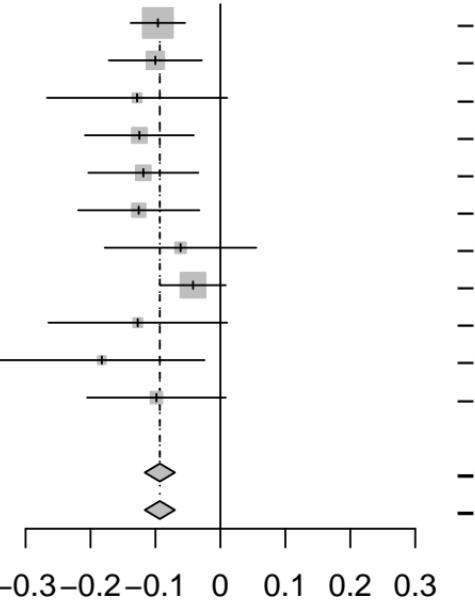
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (980)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

CDCP1 [chr6:32602396_C_T (rs9272226) (T/C) N=14733]

TE seTE

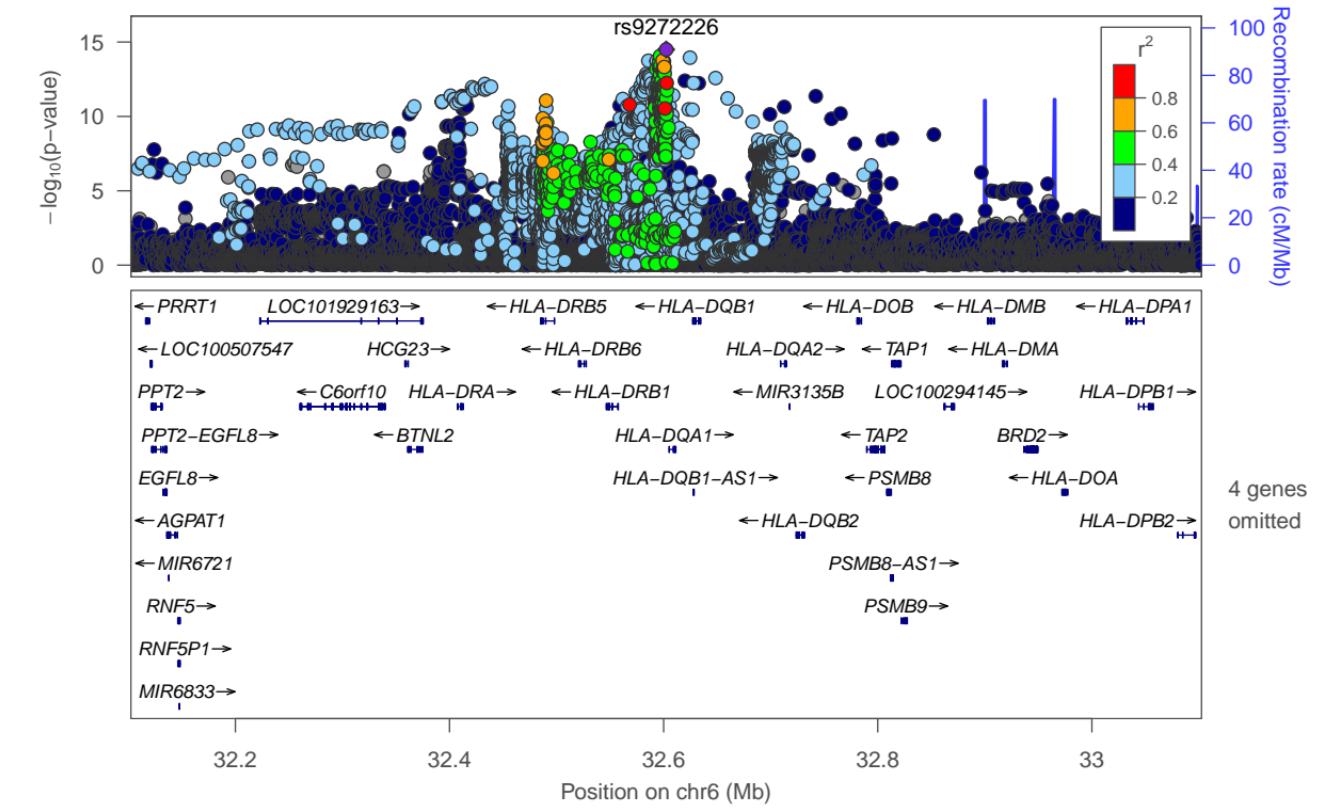
-0.10 0.0214
-0.10 0.0366
-0.13 0.0708
-0.12 0.0428
-0.12 0.0433
-0.13 0.0476
-0.06 0.0595
-0.04 0.0257
-0.13 0.0702
-0.18 0.0807
-0.10 0.0545



		95%-CI	Weight (fixed)	Weight (random)
		-0.10 [-0.14; -0.05]	30.6%	30.6%
		-0.10 [-0.17; -0.03]	10.4%	10.4%
		-0.13 [-0.27; 0.01]	2.8%	2.8%
		-0.12 [-0.21; -0.04]	7.7%	7.7%
		-0.12 [-0.20; -0.03]	7.5%	7.5%
		-0.13 [-0.22; -0.03]	6.2%	6.2%
		-0.06 [-0.18; 0.06]	3.9%	3.9%
		-0.04 [-0.09; 0.01]	21.2%	21.2%
		-0.13 [-0.26; 0.01]	2.8%	2.8%
		-0.18 [-0.34; -0.02]	2.1%	2.1%
		-0.10 [-0.21; 0.01]	4.7%	4.7%
	Fixed effect model	-0.09 [-0.12; -0.07]	100.0%	--
	Random effects model	-0.09 [-0.12; -0.07]	--	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.69$

CDCP1 (CDCP1)-rs9272226



CSF-1 [chr1:110503296_C_T (rs17610659) (T/C) N=14286]

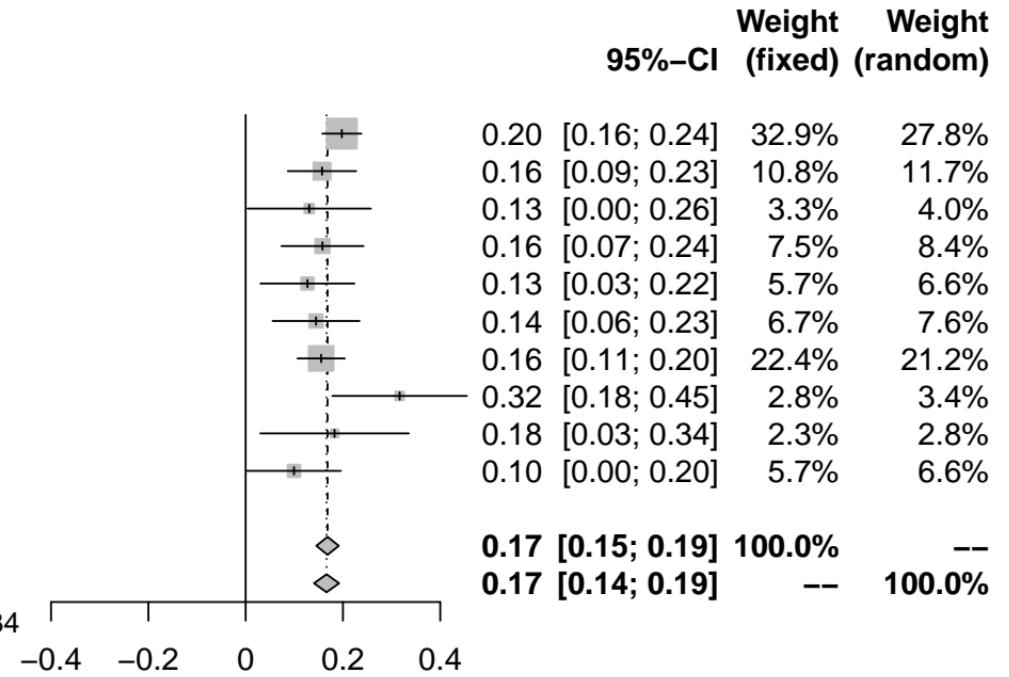
Study

	TE	seTE
INTERVAL (4896)	0.20	0.0205
BioFinder (1496)	0.16	0.0359
EGCUT (487)	0.13	0.0647
KORA (1064)	0.16	0.0431
NSPHS (866)	0.13	0.0493
ORCADES (981)	0.14	0.0456
STABILITY (2951)	0.16	0.0249
STANLEY (344)	0.32	0.0706
STANLEY (300)	0.18	0.0779
VIS (901)	0.10	0.0493

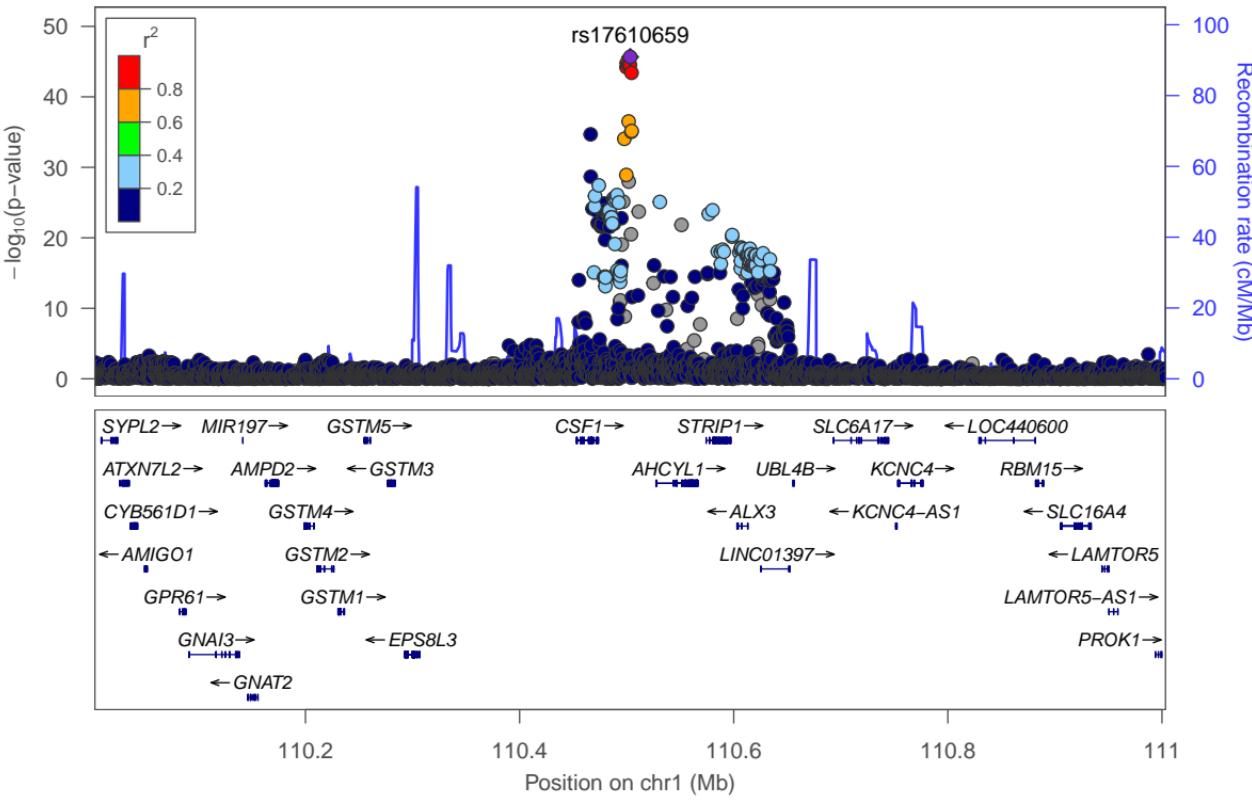
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 12\%$, $\tau^2 = 0.0002$, $p = 0.34$

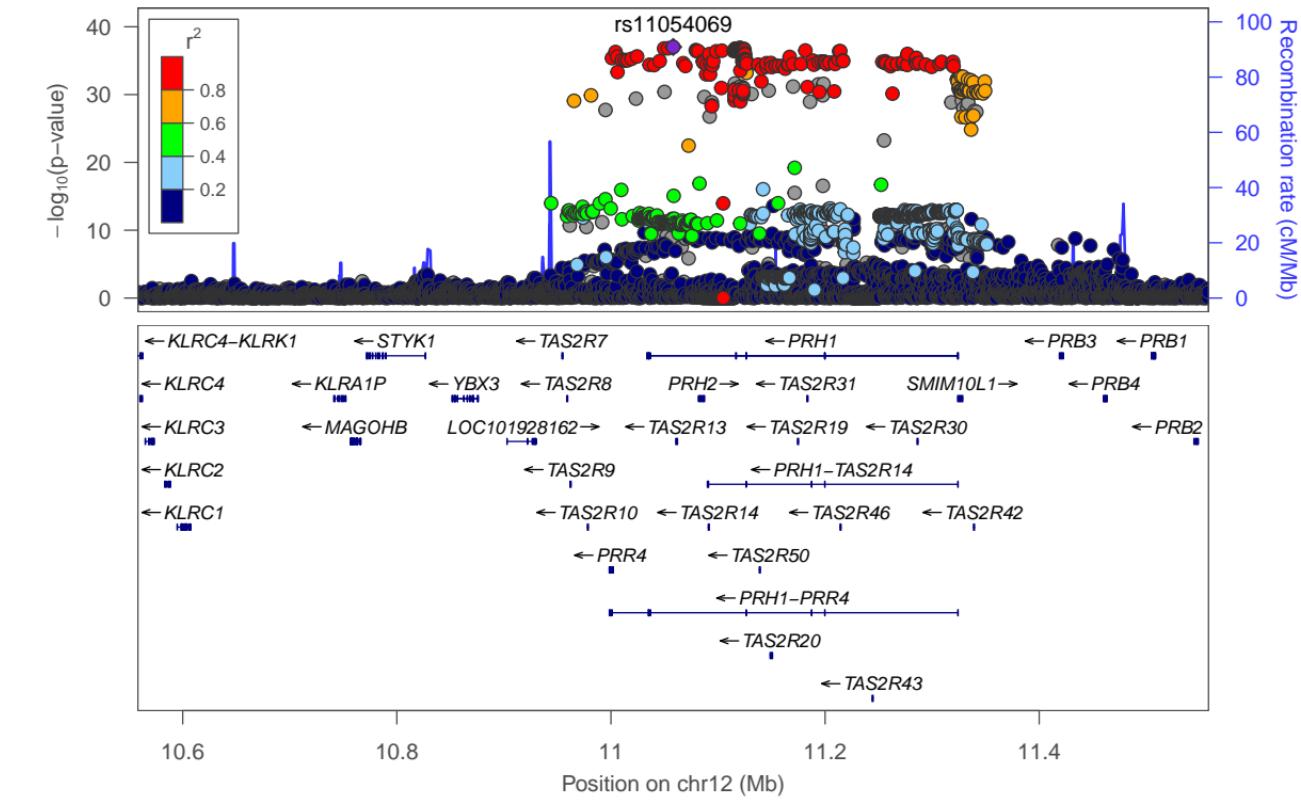
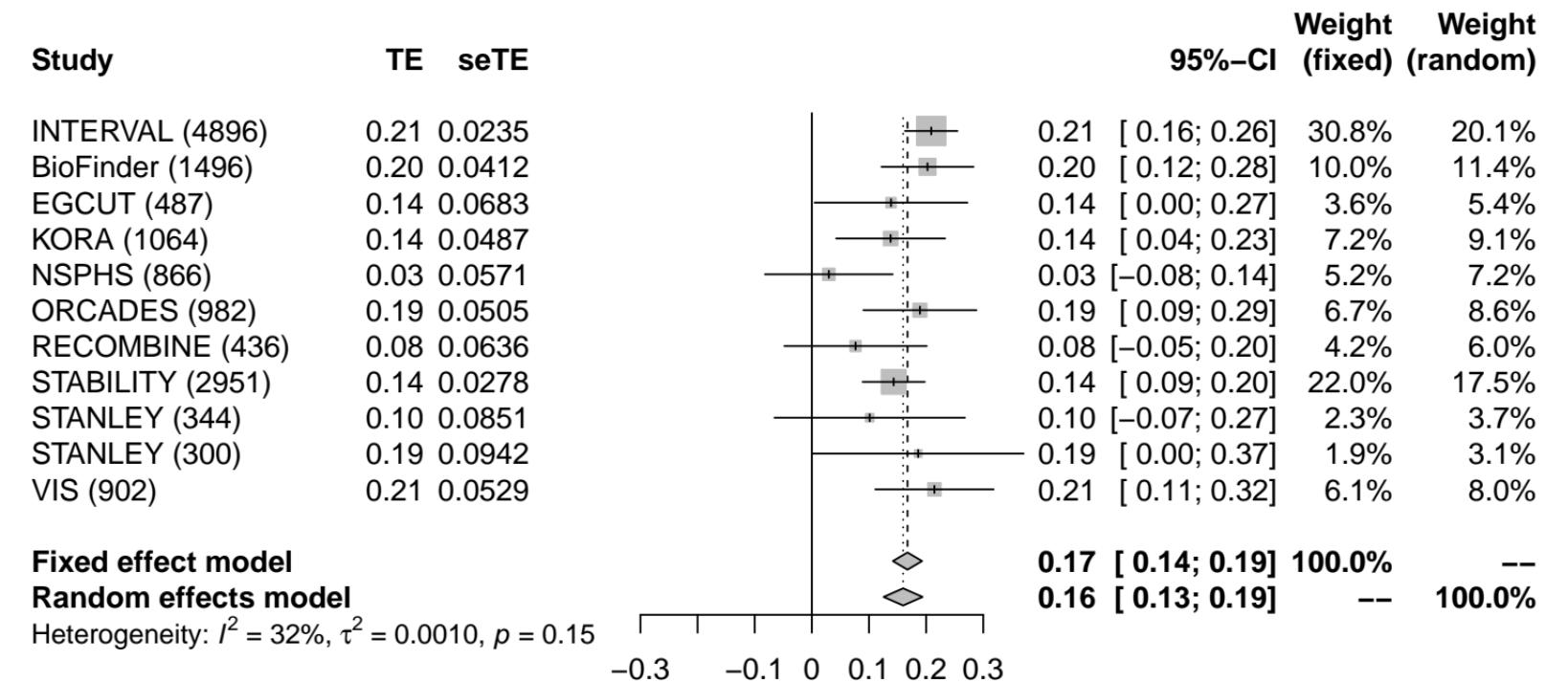


CSF-1 (CSF1)-rs17610659



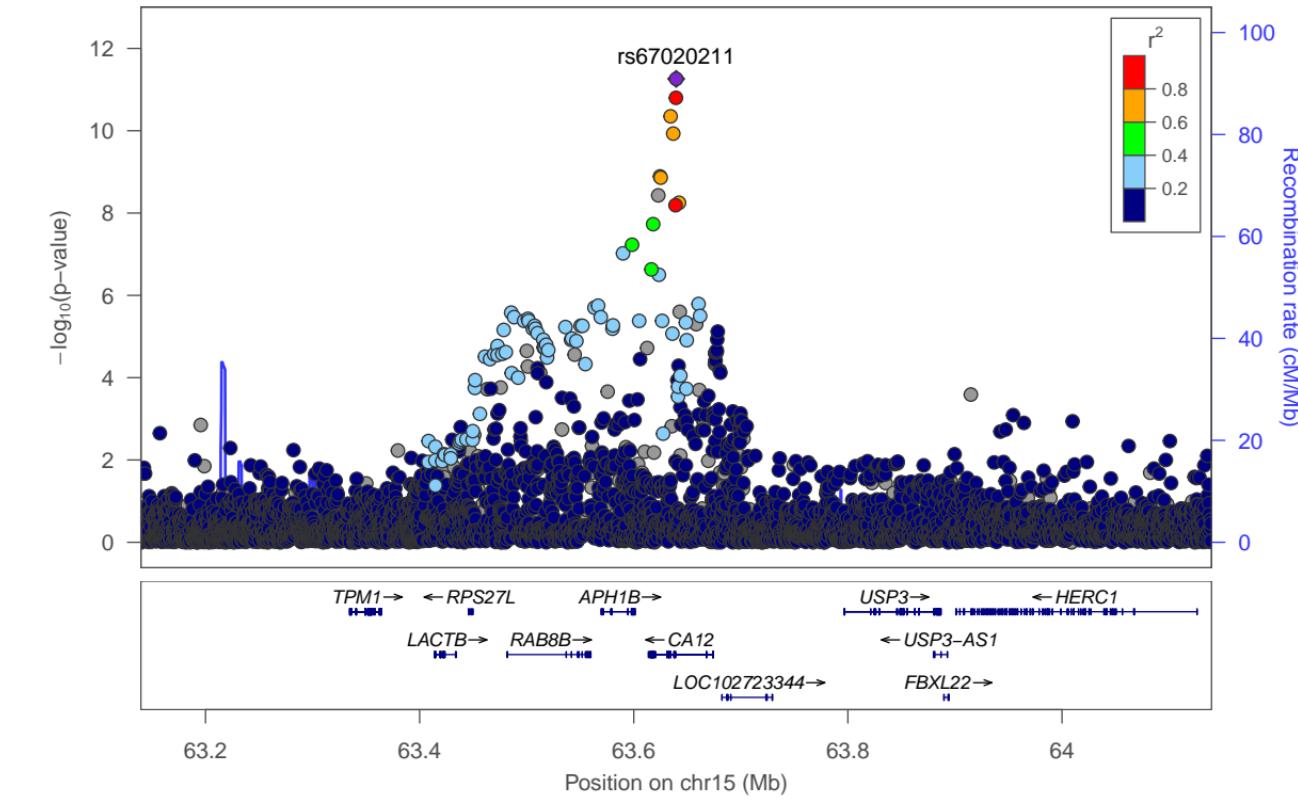
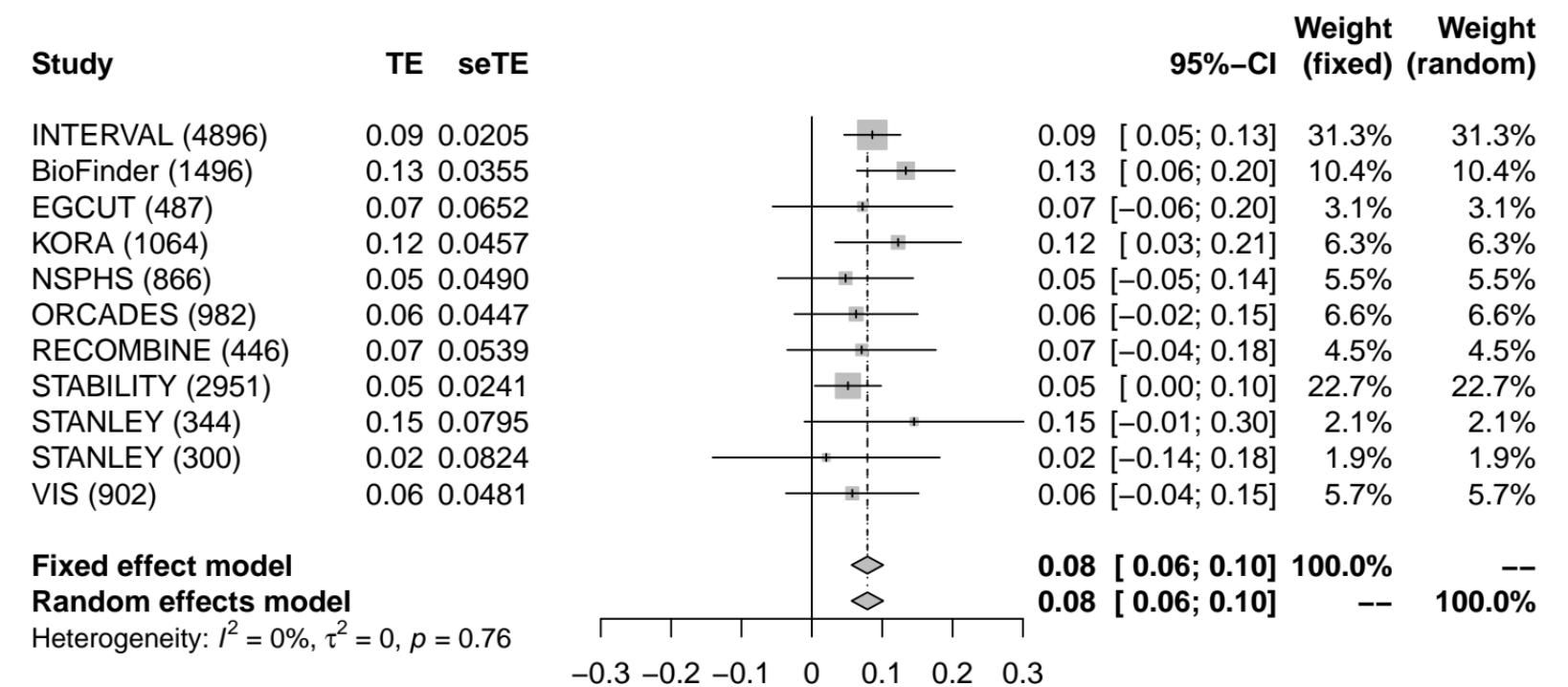
CST5 (CST5)-rs11054069

CST5 [chr12:11058117_C_T (rs11054069) (T/C) N=14724]



CST5 (CST5)-rs67020211

CST5 [chr15:63639644_G_T (rs67020211) (T/G) N=14734]



CST5 [chr19:49206145_C_G (rs516316) (C/G) N=14734]

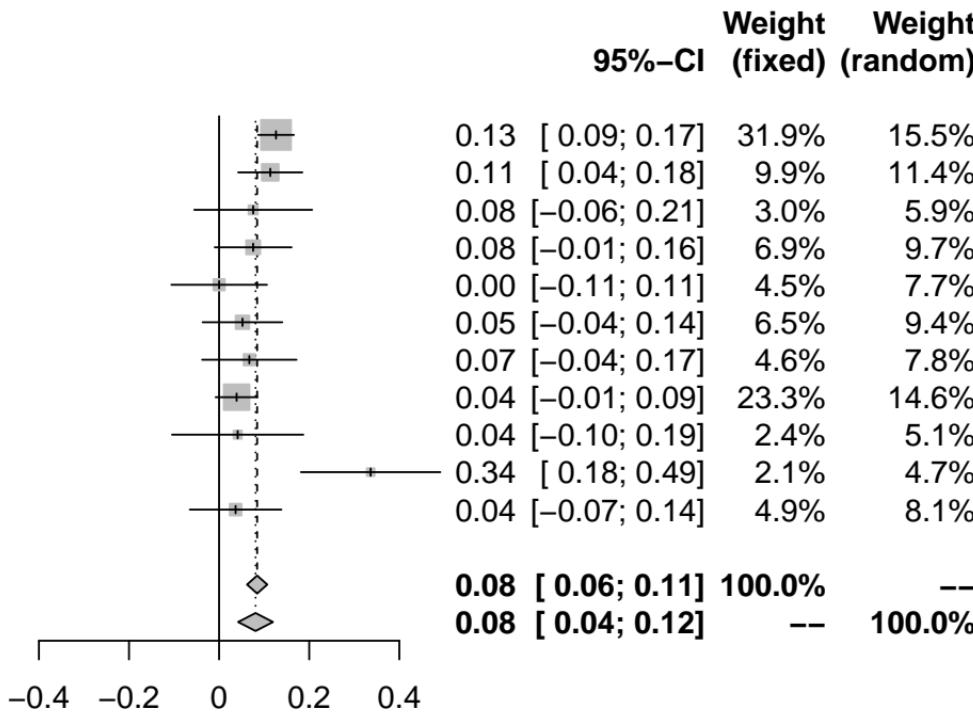
Study

	TE	seTE
INTERVAL (4896)	0.13	0.0203
BioFinder (1496)	0.11	0.0364
EGCUT (487)	0.08	0.0668
KORA (1064)	0.08	0.0436
NSPHS (866)	0.00	0.0542
ORCADES (982)	0.05	0.0452
RECOMBINE (446)	0.07	0.0535
STABILITY (2951)	0.04	0.0238
STANLEY (344)	0.04	0.0744
STANLEY (300)	0.34	0.0790
VIS (902)	0.04	0.0519

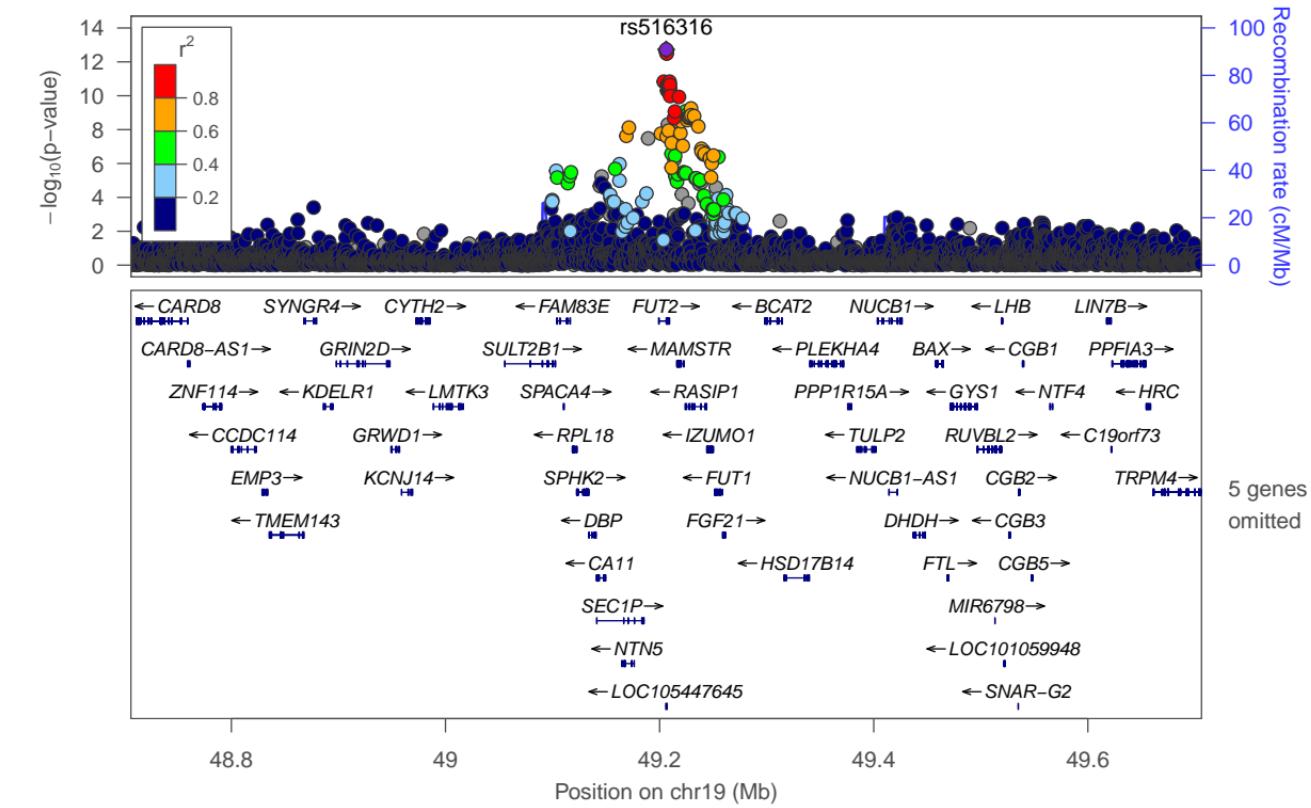
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 57\%$, $\tau^2 = 0.0021$, $p = 0.01$



CST5 (CST5)-rs516316



CST5 [chr20:23858984_G_T (rs4815244) (T/G) N=14718]

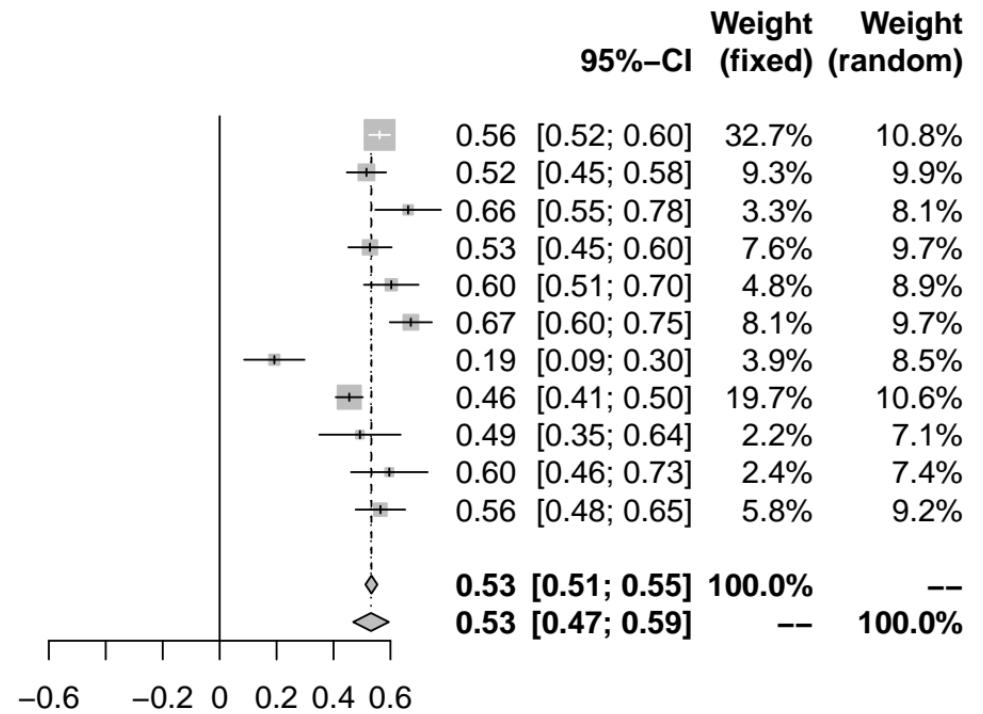
Study

	TE	seTE
INTERVAL (4896)	0.56	0.0188
BioFinder (1496)	0.52	0.0352
EGCUT (487)	0.66	0.0588
KORA (1064)	0.53	0.0388
NSPHS (866)	0.60	0.0489
ORCADES (982)	0.67	0.0377
RECOMBINE (430)	0.19	0.0541
STABILITY (2951)	0.46	0.0242
STANLEY (344)	0.49	0.0729
STANLEY (300)	0.60	0.0687
VIS (902)	0.56	0.0445

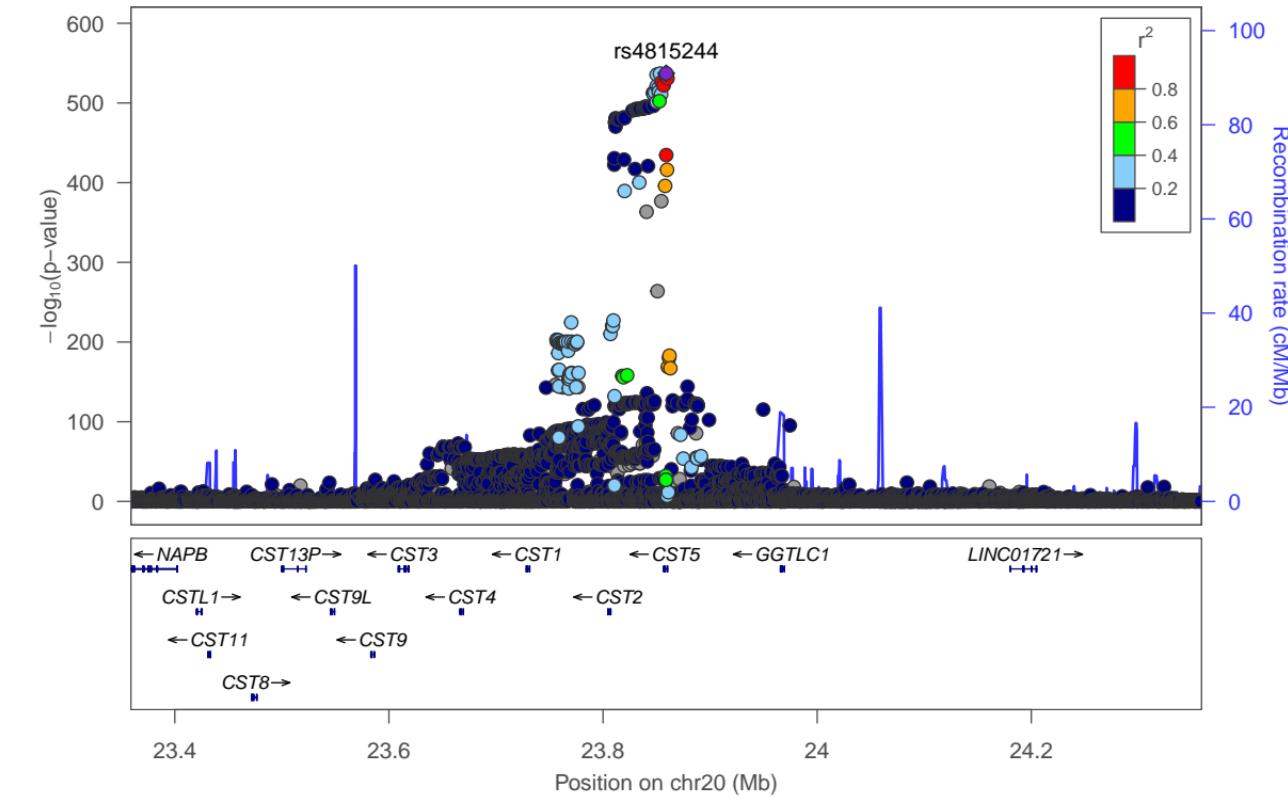
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 87\%$, $\tau^2 = 0.0091$, $p < 0.01$



CST5 (CST5)-rs4815244



CX3CL1 (CX3CL1)-rs671623

CX3CL1 [chr16:57412802_C_G (rs671623) (C/G) N=14295]

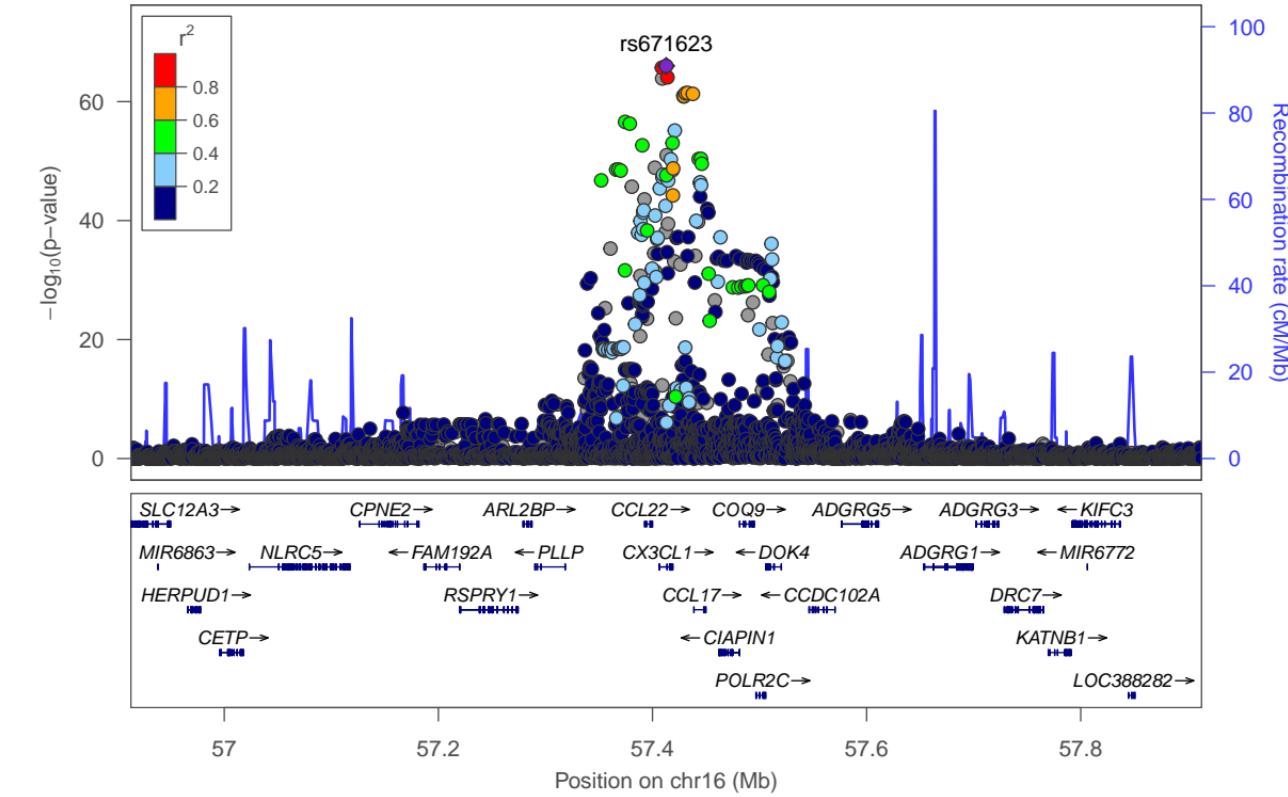
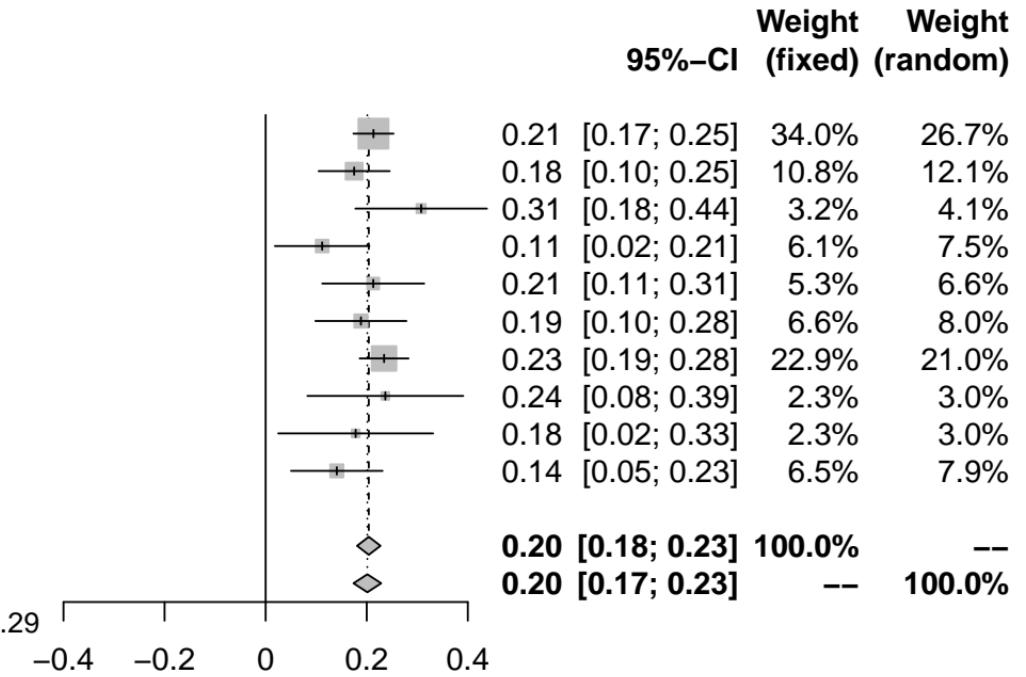
Study

	TE	seTE
INTERVAL (4896)	0.21	0.0203
BioFinder (1496)	0.18	0.0359
EGCUT (487)	0.31	0.0664
KORA (1064)	0.11	0.0477
NSPHS (874)	0.21	0.0515
ORCADES (982)	0.19	0.0460
STABILITY (2951)	0.23	0.0247
STANLEY (344)	0.24	0.0787
STANLEY (300)	0.18	0.0782
VIS (901)	0.14	0.0462

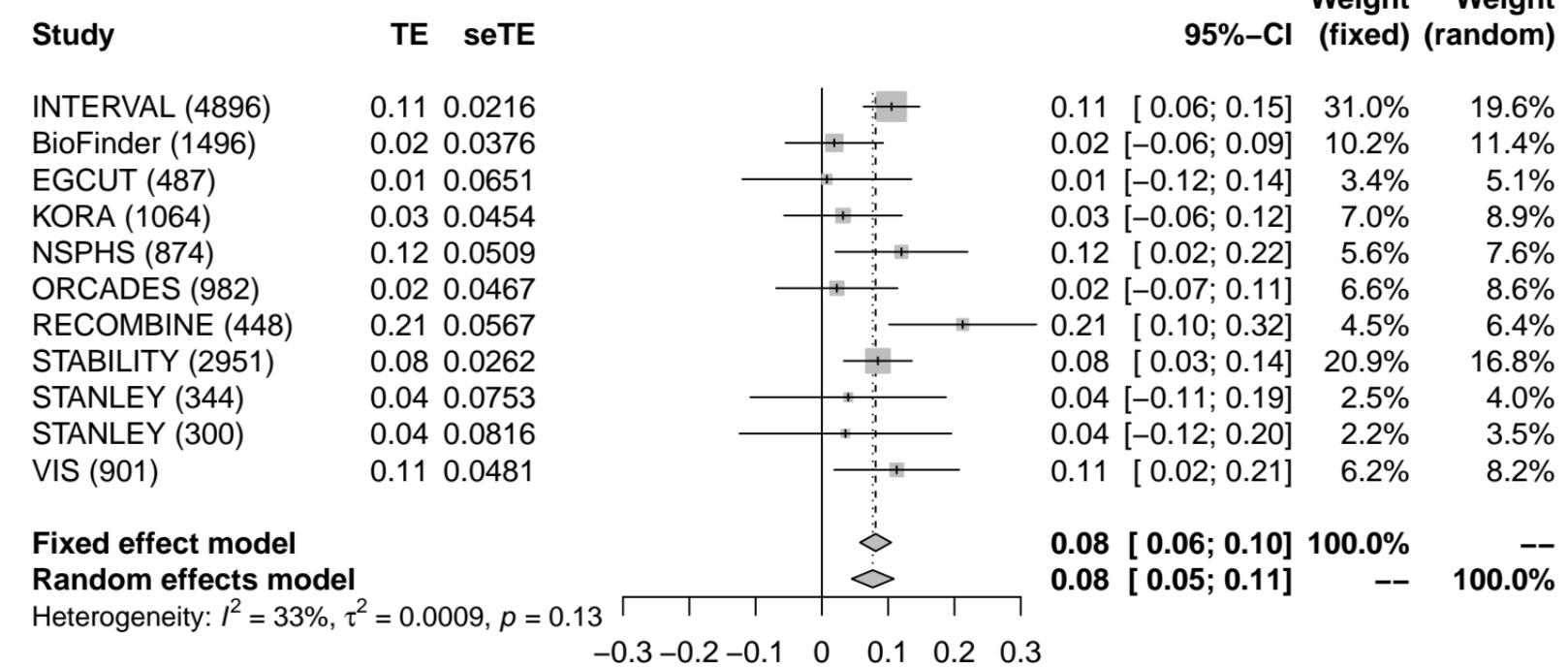
Fixed effect model

Random effects model

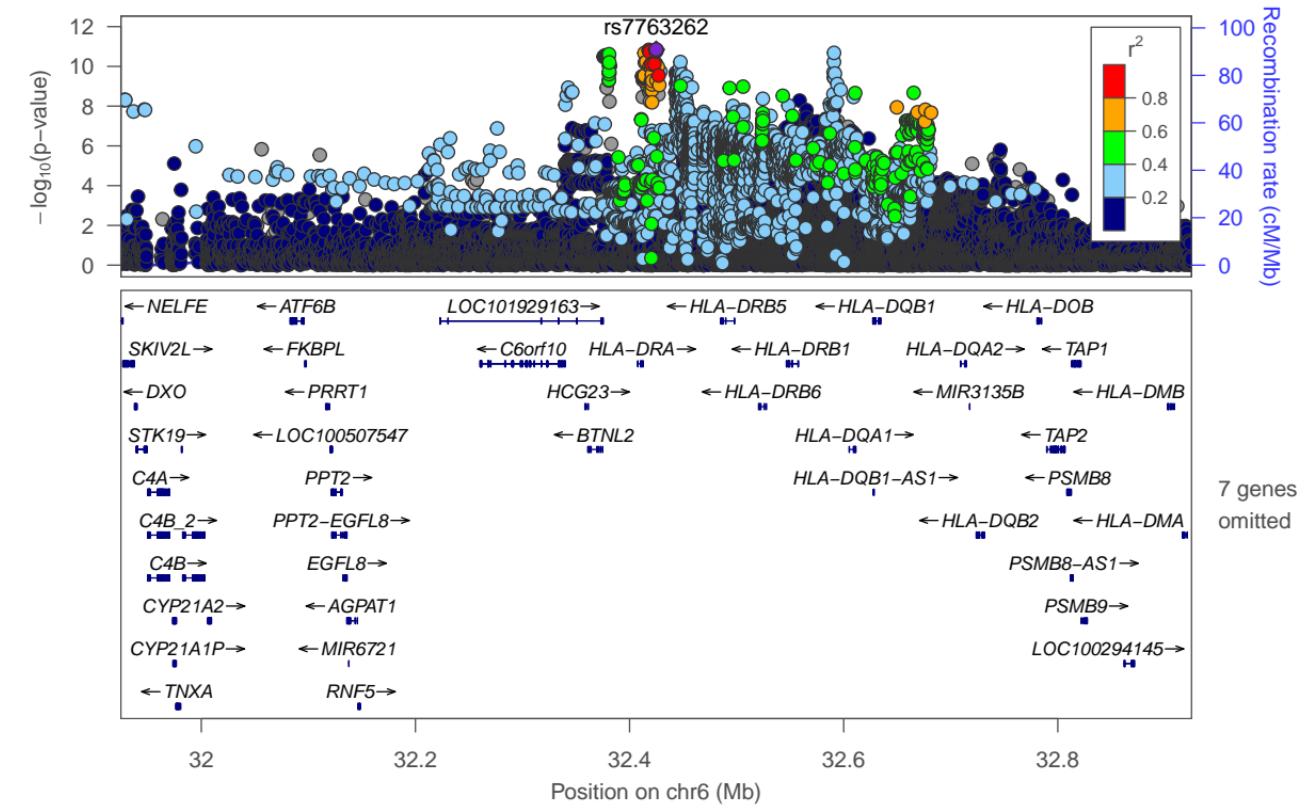
Heterogeneity: $I^2 = 17\%$, $\tau^2 = 0.0003$, $p = 0.29$



CX3CL1 [chr6:32424882_C_T (rs7763262) (T/C) N=14743]



CX3CL1 (CX3CL1)-rs7763262



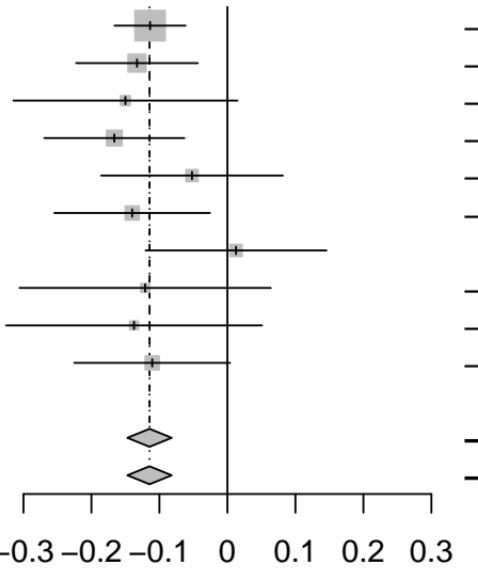
CX3CL1 [chr9:136155000_C_T (rs635634) (T/C) N=11792]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

-0.11 0.0267
-0.13 0.0457
-0.15 0.0840
-0.17 0.0526
-0.05 0.0682
-0.14 0.0584
0.01 0.0679
-0.12 0.0943
-0.14 0.0960
-0.11 0.0585

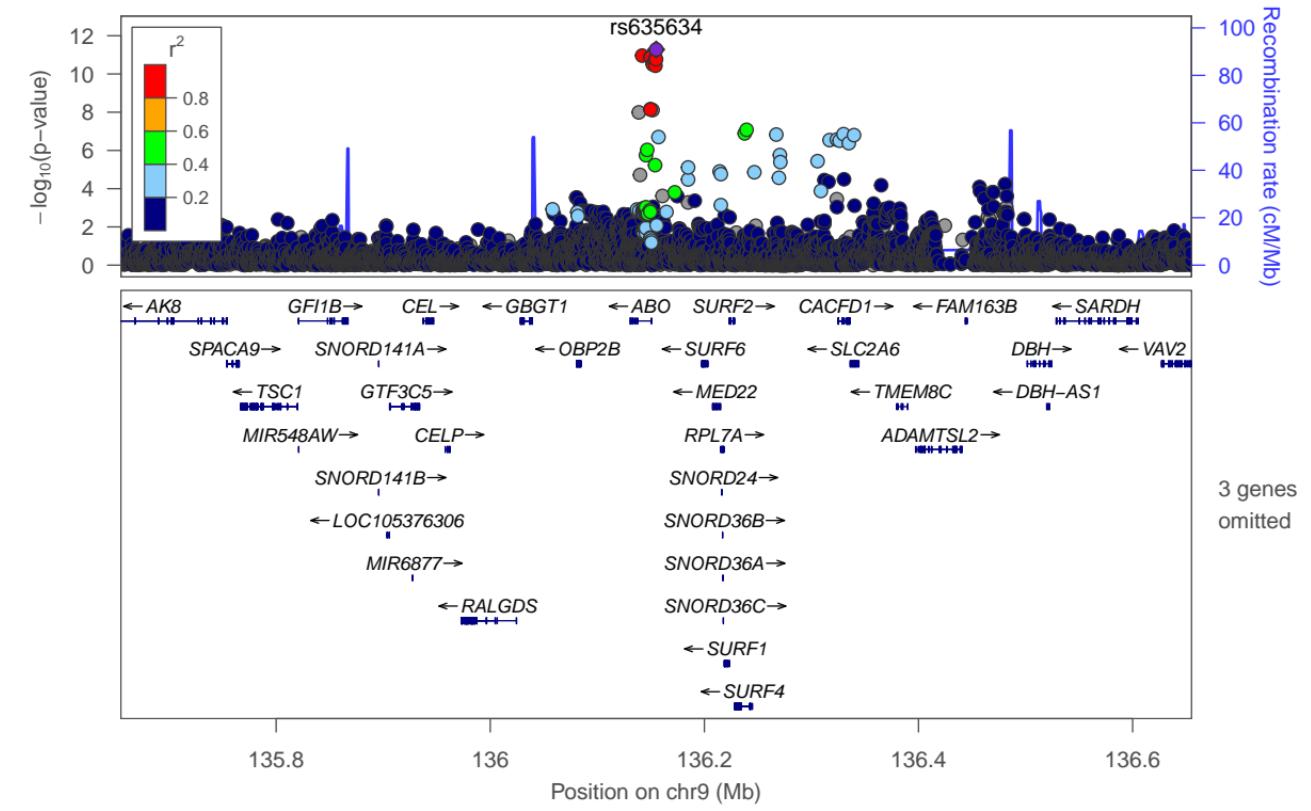


Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.75$

Weight
95%-CI
(fixed) (random)

-0.11 [-0.17; -0.06] 38.8% 38.8%
-0.13 [-0.22; -0.04] 13.2% 13.2%
-0.15 [-0.31; 0.01] 3.9% 3.9%
-0.17 [-0.27; -0.06] 10.0% 10.0%
-0.05 [-0.19; 0.08] 5.9% 5.9%
-0.14 [-0.25; -0.03] 8.1% 8.1%
0.01 [-0.12; 0.15] 6.0% 6.0%
-0.12 [-0.31; 0.06] 3.1% 3.1%
-0.14 [-0.33; 0.05] 3.0% 3.0%
-0.11 [-0.23; 0.00] 8.1% 8.1%

CX3CL1 (CX3CL1)-rs635634



CXCL1 (CXCL1)-rs1366949

CXCL10 [chr12:111884608_C_T (rs3184504) (T/C) N=11793]

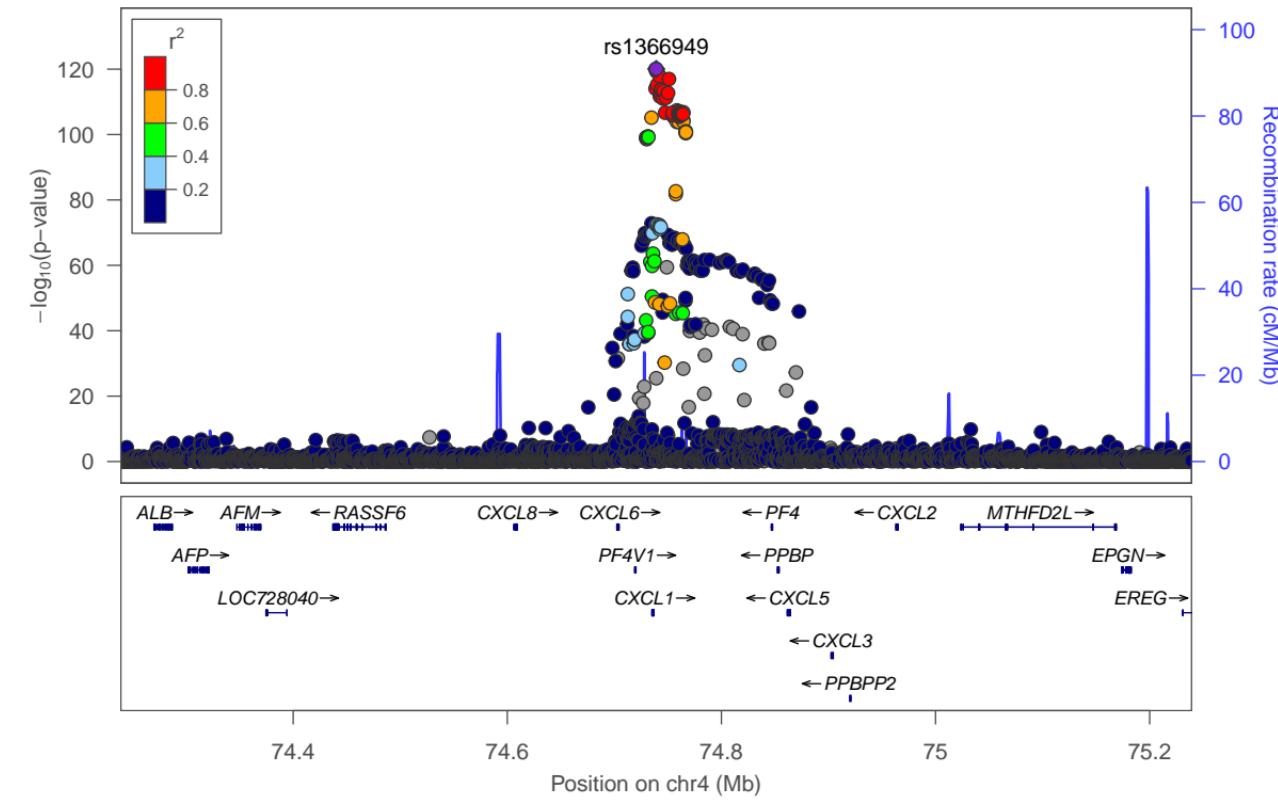
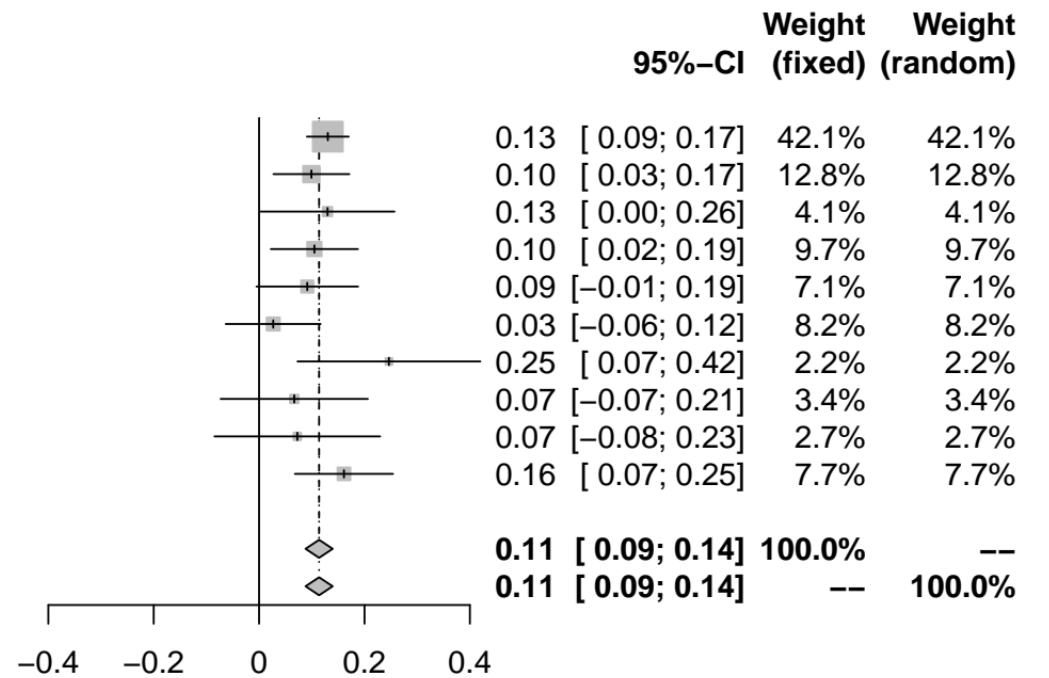
Study

	TE	seTE
INTERVAL (4896)	0.13	0.0203
BioFinder (1496)	0.10	0.0368
EGCUT (487)	0.13	0.0648
KORA (1064)	0.10	0.0422
NSPHS (874)	0.09	0.0492
ORCADES (982)	0.03	0.0460
RECOMBINE (448)	0.25	0.0885
STANLEY (344)	0.07	0.0713
STANLEY (300)	0.07	0.0802
VIS (902)	0.16	0.0475

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.47$



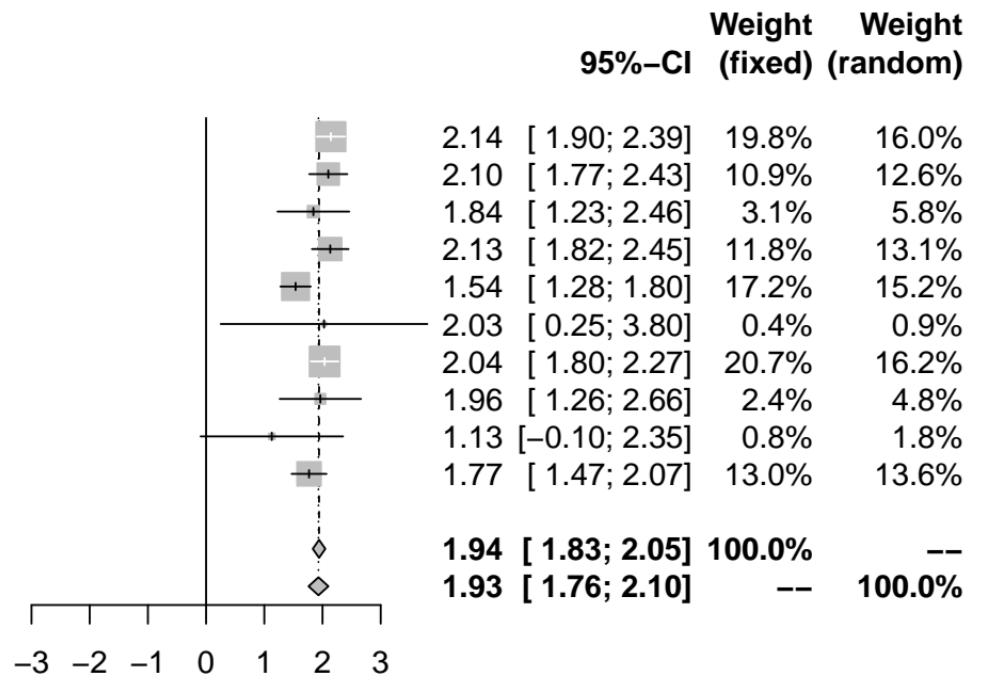
CXCL10 [chr4:76943947_A_G (rs11548618) (A/G) N=14296]

Study	TE	seTE
INTERVAL (4896)	2.14	0.1241
BioFinder (1496)	2.10	0.1671
EGCUT (487)	1.84	0.3147
KORA (1064)	2.13	0.1604
NSPHS (874)	1.54	0.1331
ORCADES (982)	2.03	0.9059
STABILITY (2951)	2.04	0.1213
STANLEY (344)	1.96	0.3565
STANLEY (300)	1.13	0.6246
VIS (902)	1.77	0.1533

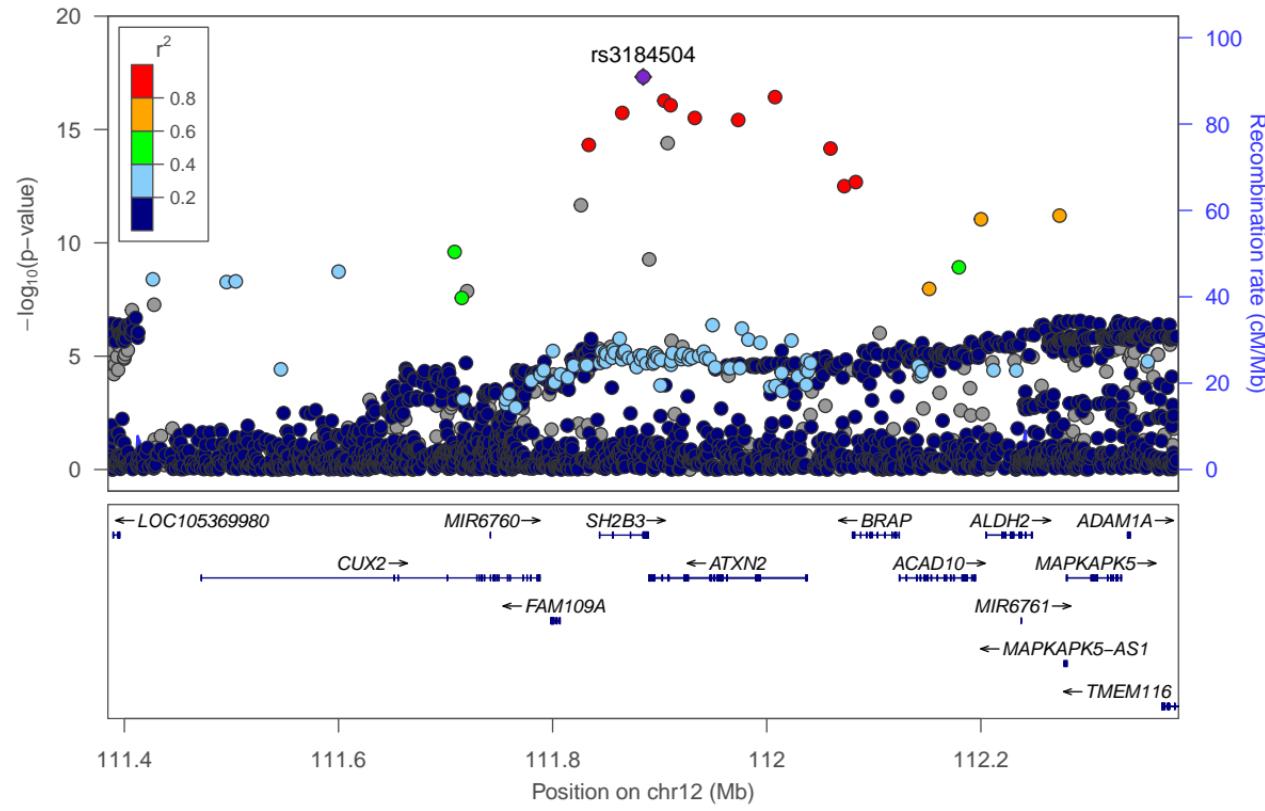
Fixed effect model

Random effects model

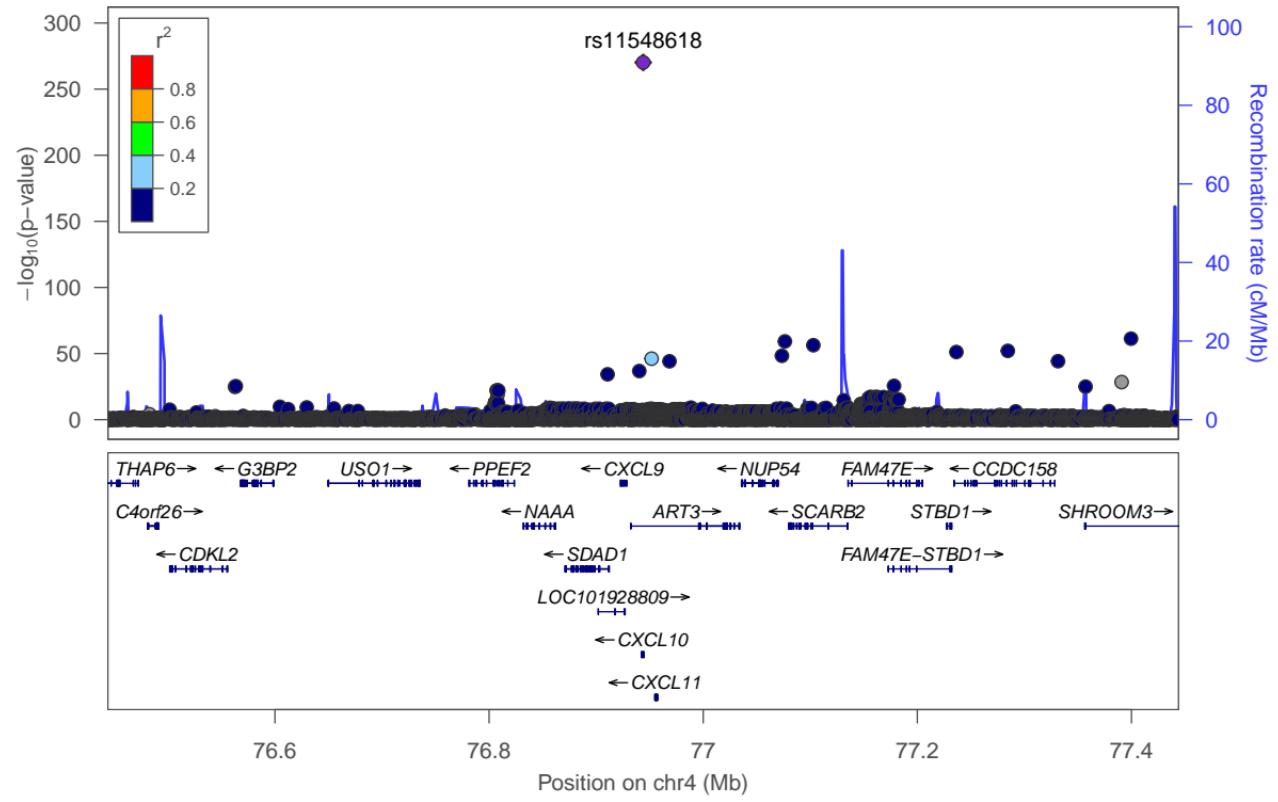
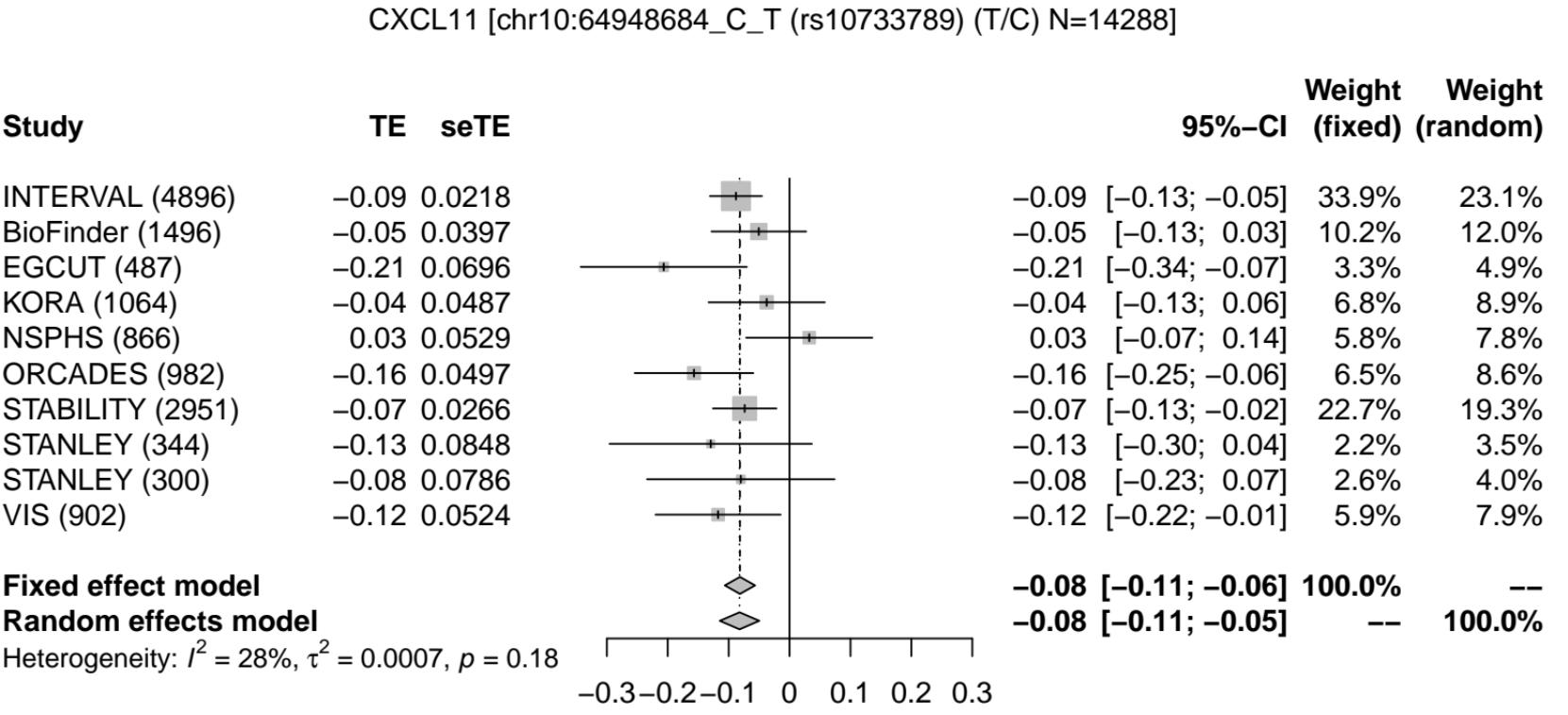
Heterogeneity: $I^2 = 50\%$, $\tau^2 = 0.0321$, $p = 0.04$



CXCL10 (CXCL10)-rs3184504



CXCL10 (CXCL10)-rs11548618



CXCL11 [chr12:111884608_C_T (rs3184504) (T/C) N=11785]

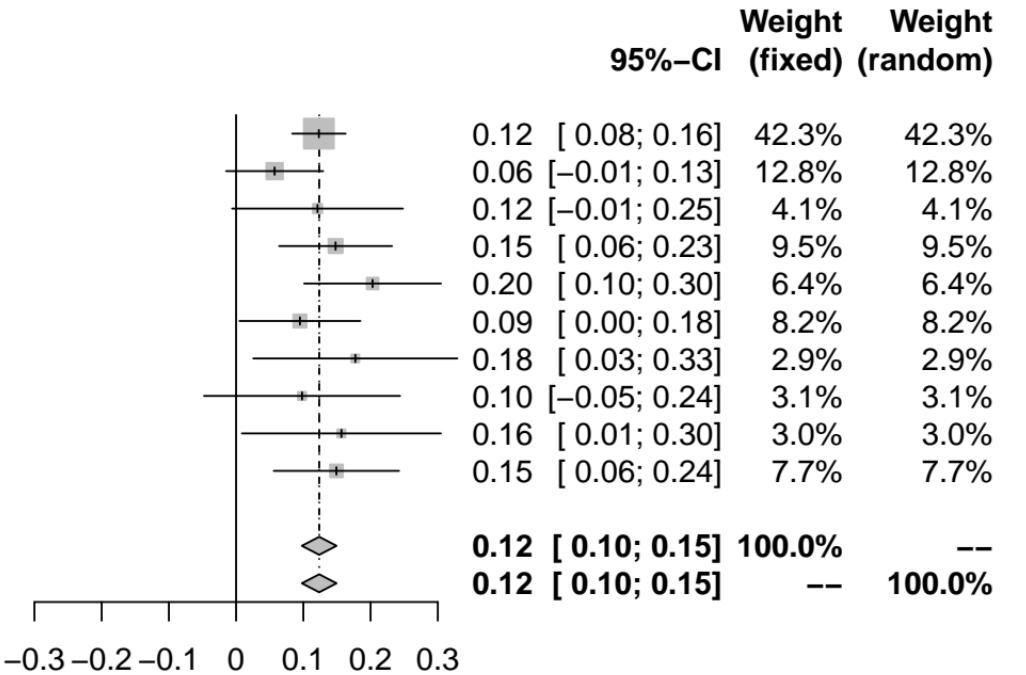
Study

	TE	seTE
INTERVAL (4896)	0.12	0.0203
BioFinder (1496)	0.06	0.0368
EGCUT (487)	0.12	0.0648
KORA (1064)	0.15	0.0428
NSPHS (866)	0.20	0.0519
ORCADES (982)	0.09	0.0459
RECOMBINE (448)	0.18	0.0775
STANLEY (344)	0.10	0.0744
STANLEY (300)	0.16	0.0755
VIS (902)	0.15	0.0476

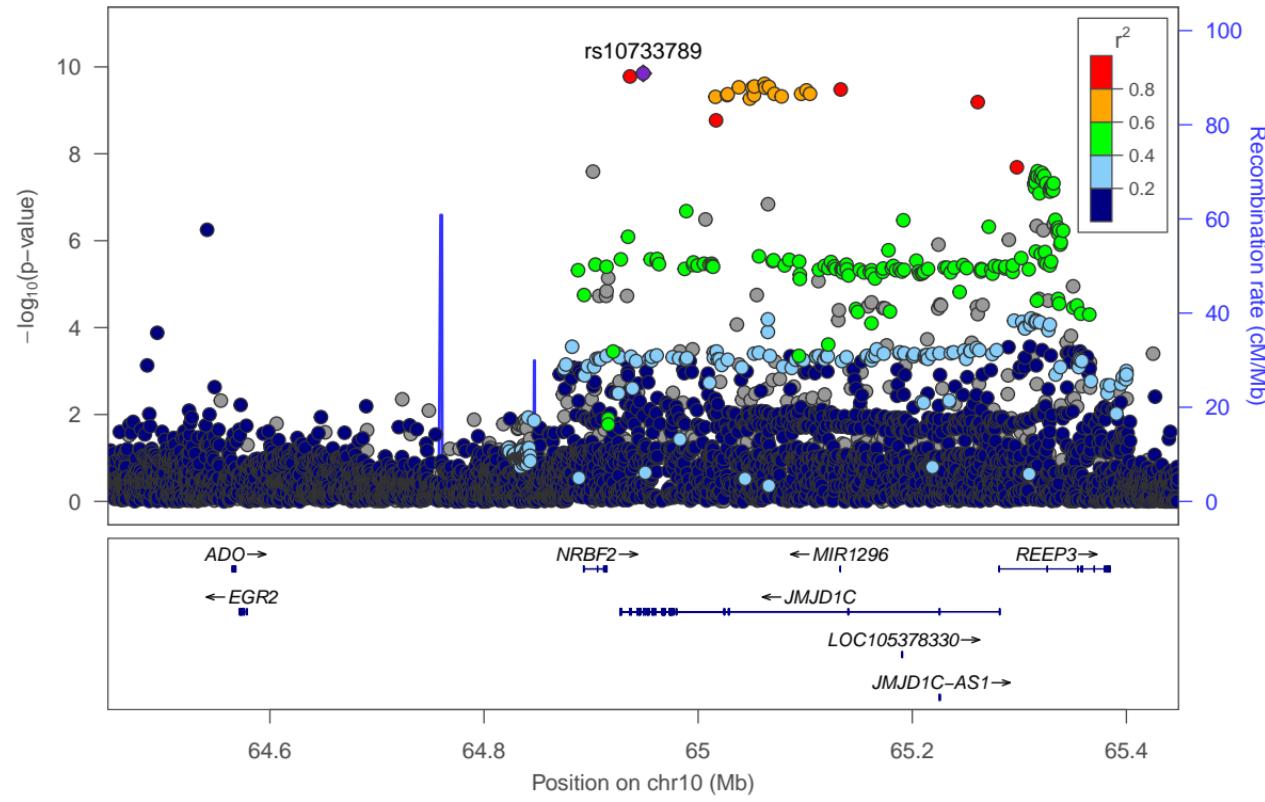
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.60$



CXCL11 (CXCL11)-rs10733789



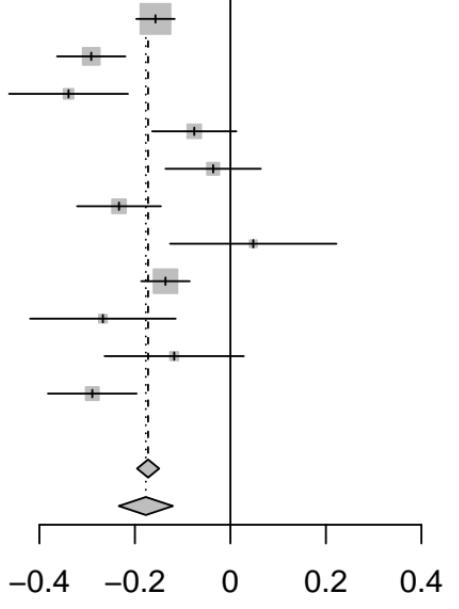
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (430)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

CXCL11 [chr4:76916146_A_G (rs6827617) (A/G) N=14718]

TE seTE

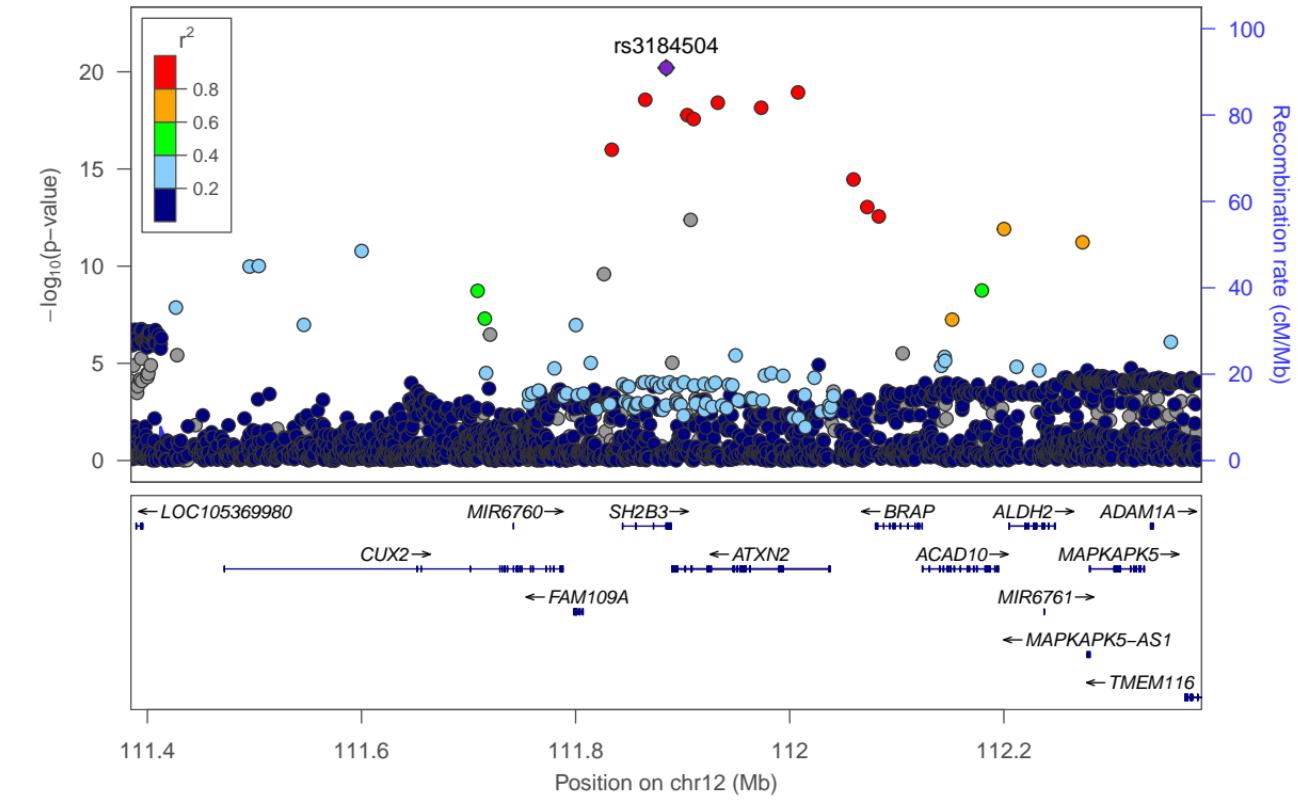
-0.16 0.0206
-0.29 0.0365
-0.34 0.0635
-0.08 0.0450
-0.04 0.0510
-0.23 0.0448
0.05 0.0889
-0.14 0.0259
-0.27 0.0778
-0.12 0.0744
-0.29 0.0474

**95%-CI Weight (fixed) Weight (random)**

	95%-CI	Weight (fixed)	Weight (random)
-0.16 [-0.20; -0.12]	33.1%	12.1%	
-0.29 [-0.36; -0.22]	10.5%	10.7%	
-0.34 [-0.46; -0.21]	3.5%	7.9%	
-0.08 [-0.16; 0.01]	6.9%	9.8%	
-0.04 [-0.14; 0.06]	5.4%	9.2%	
-0.23 [-0.32; -0.15]	7.0%	9.8%	
0.05 [-0.13; 0.22]	1.8%	5.8%	
-0.14 [-0.19; -0.09]	20.8%	11.6%	
-0.27 [-0.42; -0.11]	2.3%	6.6%	
-0.12 [-0.26; 0.03]	2.5%	6.9%	
-0.29 [-0.38; -0.20]	6.2%	9.5%	
-0.17 [-0.20; -0.15]	100.0%	--	
-0.18 [-0.23; -0.12]	--	100.0%	

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 79\%$, $\tau^2 = 0.0065$, $p < 0.01$

CXCL11 (CXCL11)-rs3184504

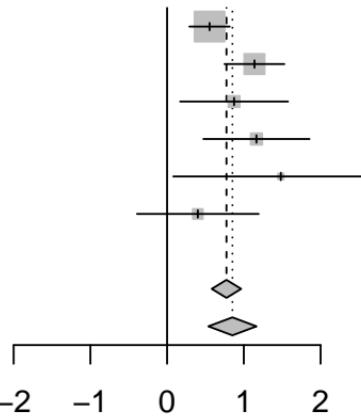


CXCL11 [chr7:101699589_G_T (rs141588580) (T/G) N=9082]

Study

	TE	seTE
INTERVAL (4896)	0.55	0.1344
BioFinder (1496)	1.14	0.1992
KORA (1064)	0.87	0.3589
ORCADES (982)	1.16	0.3532
STANLEY (344)	1.48	0.7154
STANLEY (300)	0.40	0.4048

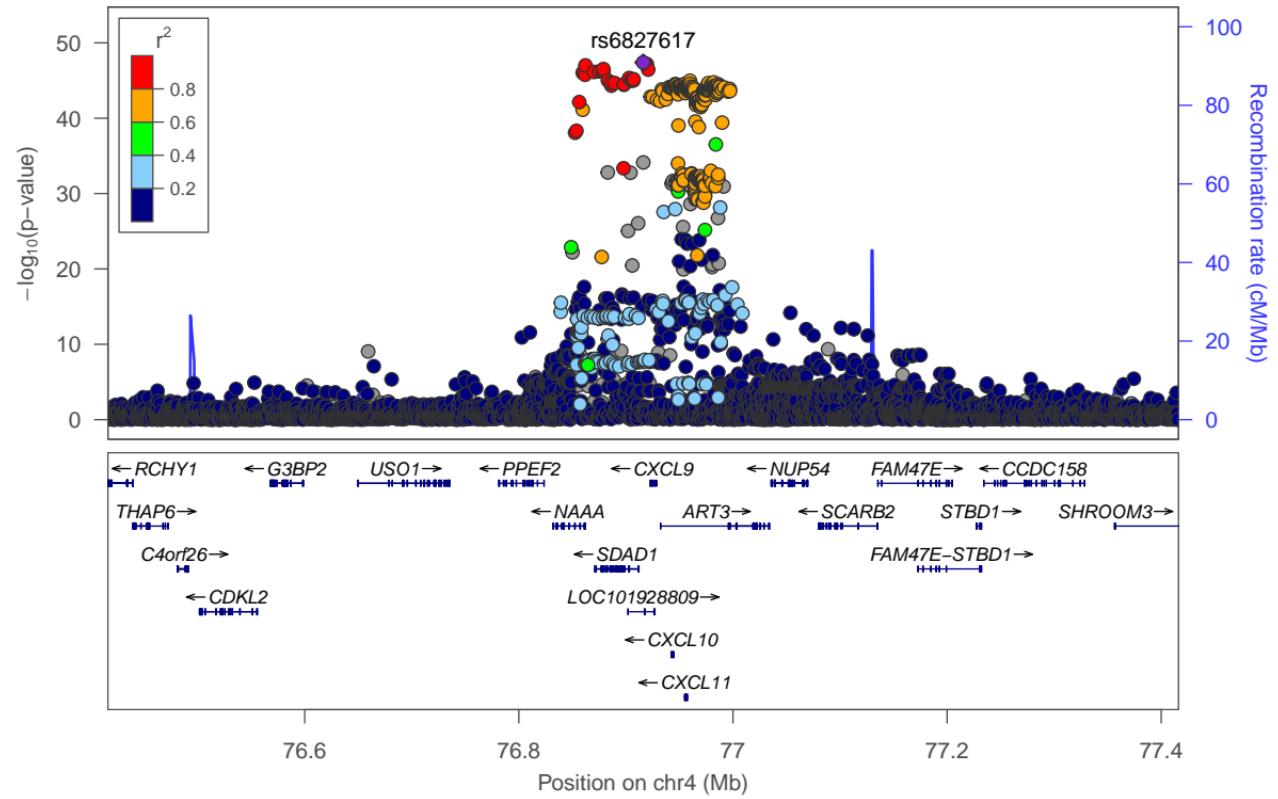
TE seTE



Heterogeneity: $I^2 = 46\%$, $\tau^2 = 0.0620$, $p = 0.10$

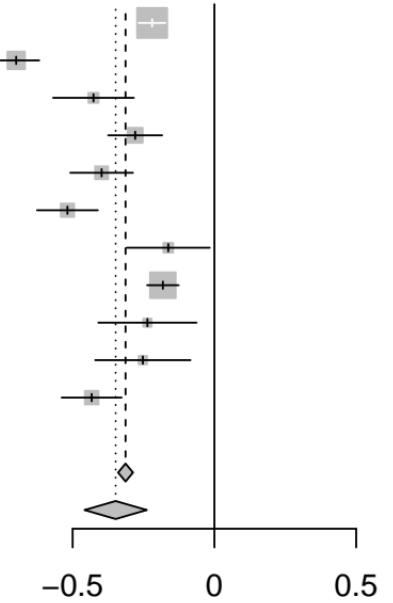
95%-CI **Weight (fixed)** **Weight (random)**

CXCL11 (CXCL11)-rs6827617

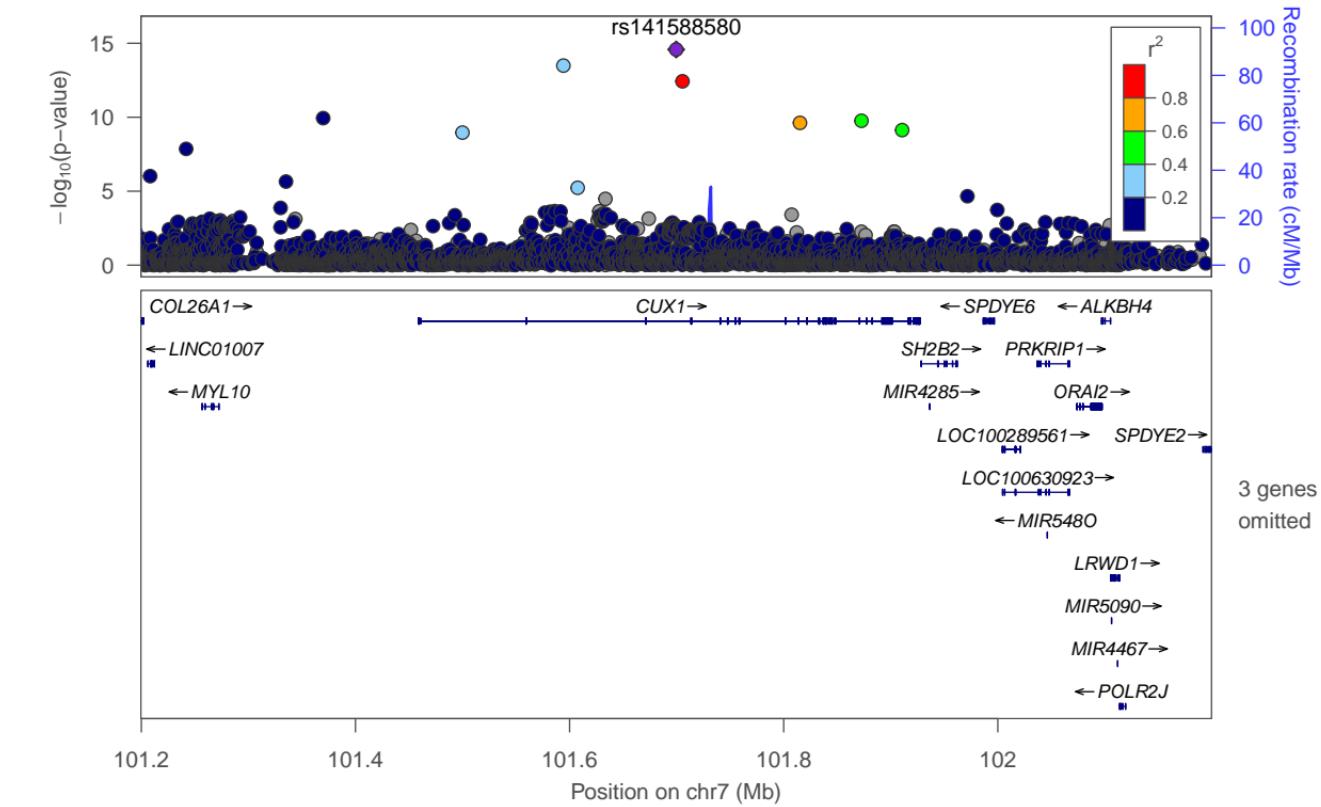


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (443)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

CXCL1 [chr4:74739076_G_T (rs1366949) (T/G) N=14731]**TE**-0.22 0.0243
-0.70 0.0415
-0.43 0.0727
-0.28 0.0486
-0.40 0.0565
-0.52 0.0547
-0.16 0.0746
-0.18 0.0284
-0.24 0.0884
-0.25 0.0858
-0.43 0.0540
95%-CI
Weight (fixed)
Weight (random)

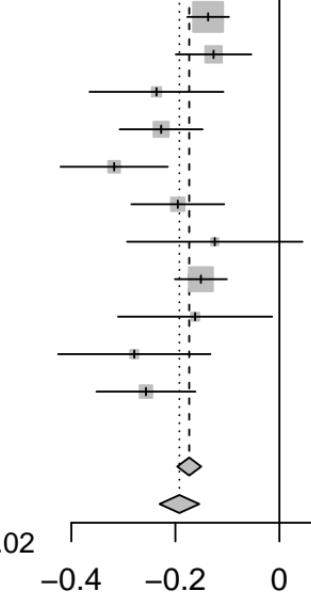
	95%-CI	Weight (fixed)	Weight (random)
-0.22 [-0.27; -0.17]	30.5%	9.9%	
-0.70 [-0.78; -0.62]	10.4%	9.6%	
-0.43 [-0.57; -0.28]	3.4%	8.7%	
-0.28 [-0.37; -0.18]	7.6%	9.4%	
-0.40 [-0.51; -0.29]	5.6%	9.2%	
-0.52 [-0.63; -0.41]	6.0%	9.2%	
-0.16 [-0.31; -0.02]	3.2%	8.6%	
-0.18 [-0.24; -0.13]	22.3%	9.9%	
-0.24 [-0.41; -0.06]	2.3%	8.1%	
-0.25 [-0.42; -0.08]	2.4%	8.2%	
-0.43 [-0.54; -0.33]	6.2%	9.3%	
-0.31 [-0.34; -0.29]	100.0%	--	
-0.35 [-0.46; -0.24]	--	100.0%	

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 93\%$, $\tau^2 = 0.0309$, $p < 0.01$ **CXCL11 (CXCL11)-rs141588580**

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

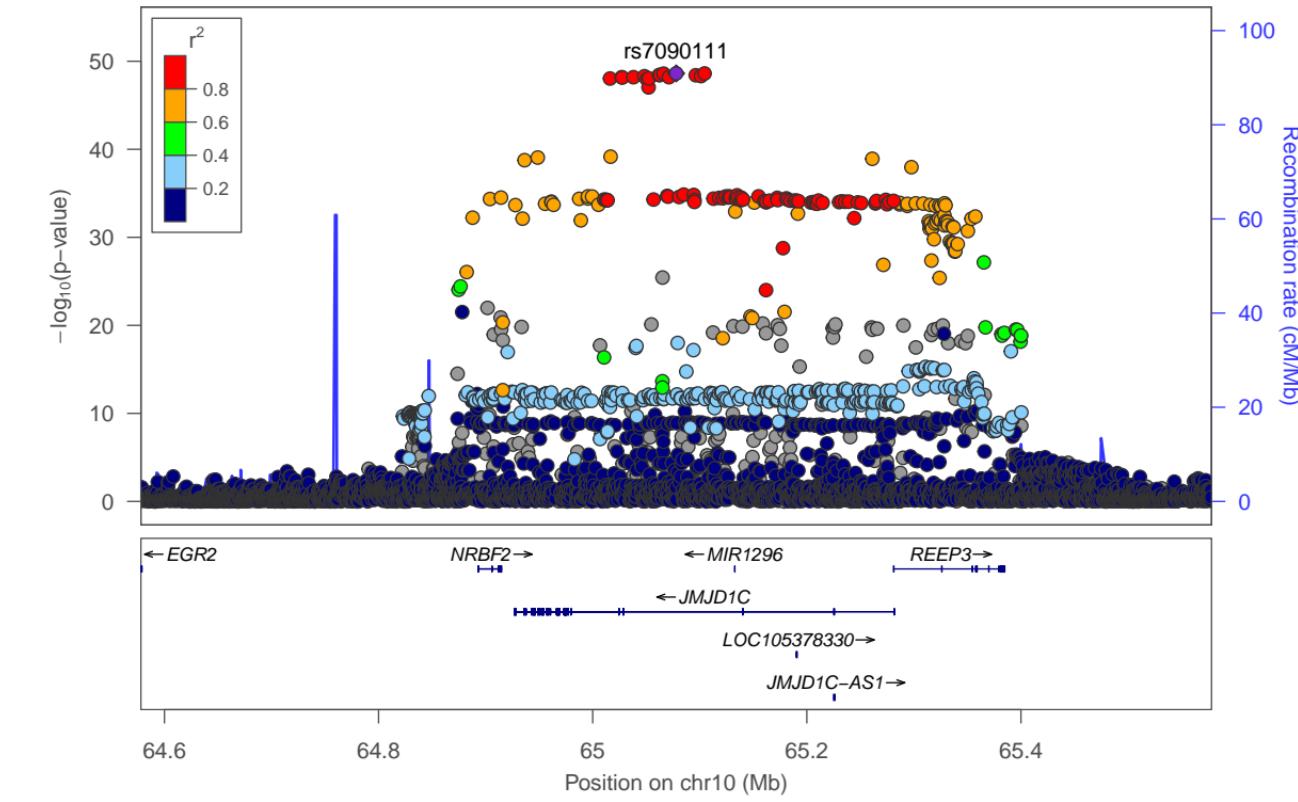
CXCL5 [chr10:65077994_C_G (rs7090111) (C/G) N=14736]

TE**seTE****95%-CI****Weight (fixed)****Weight (random)**

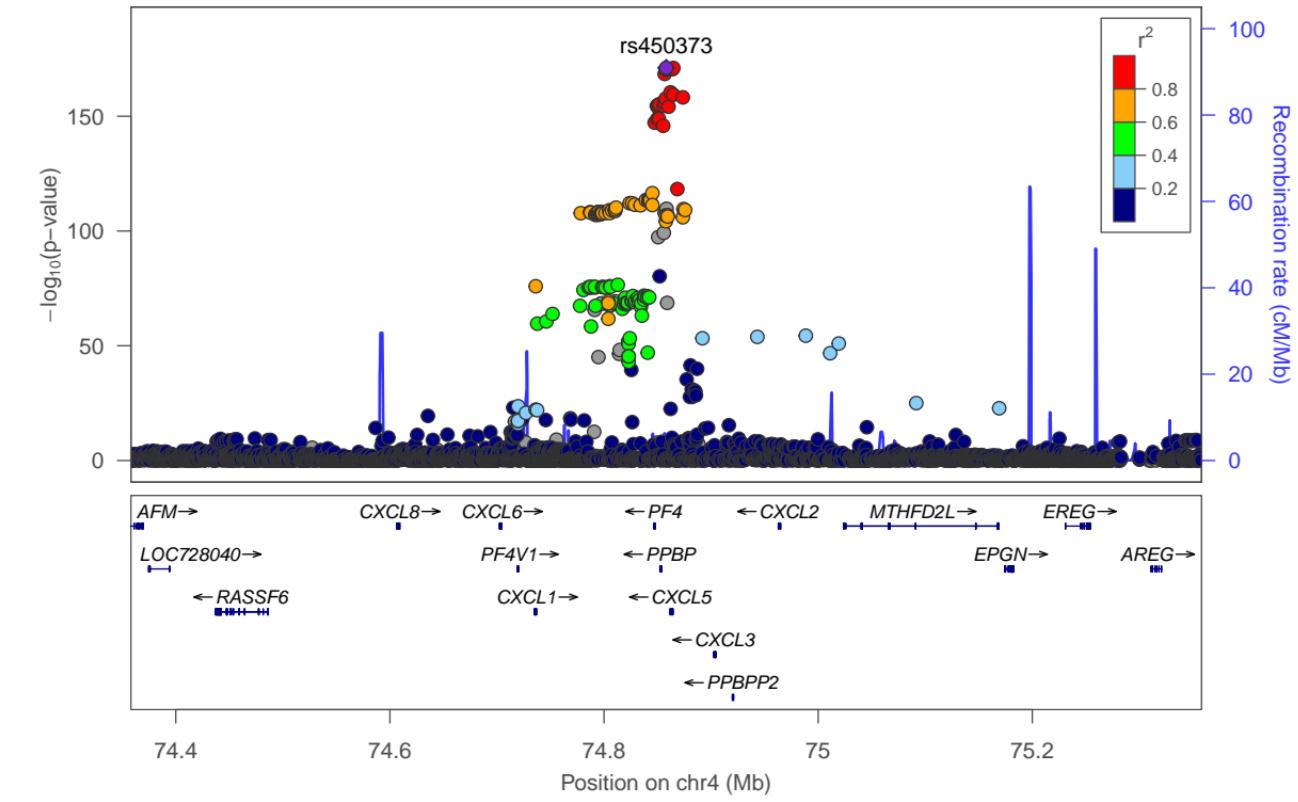
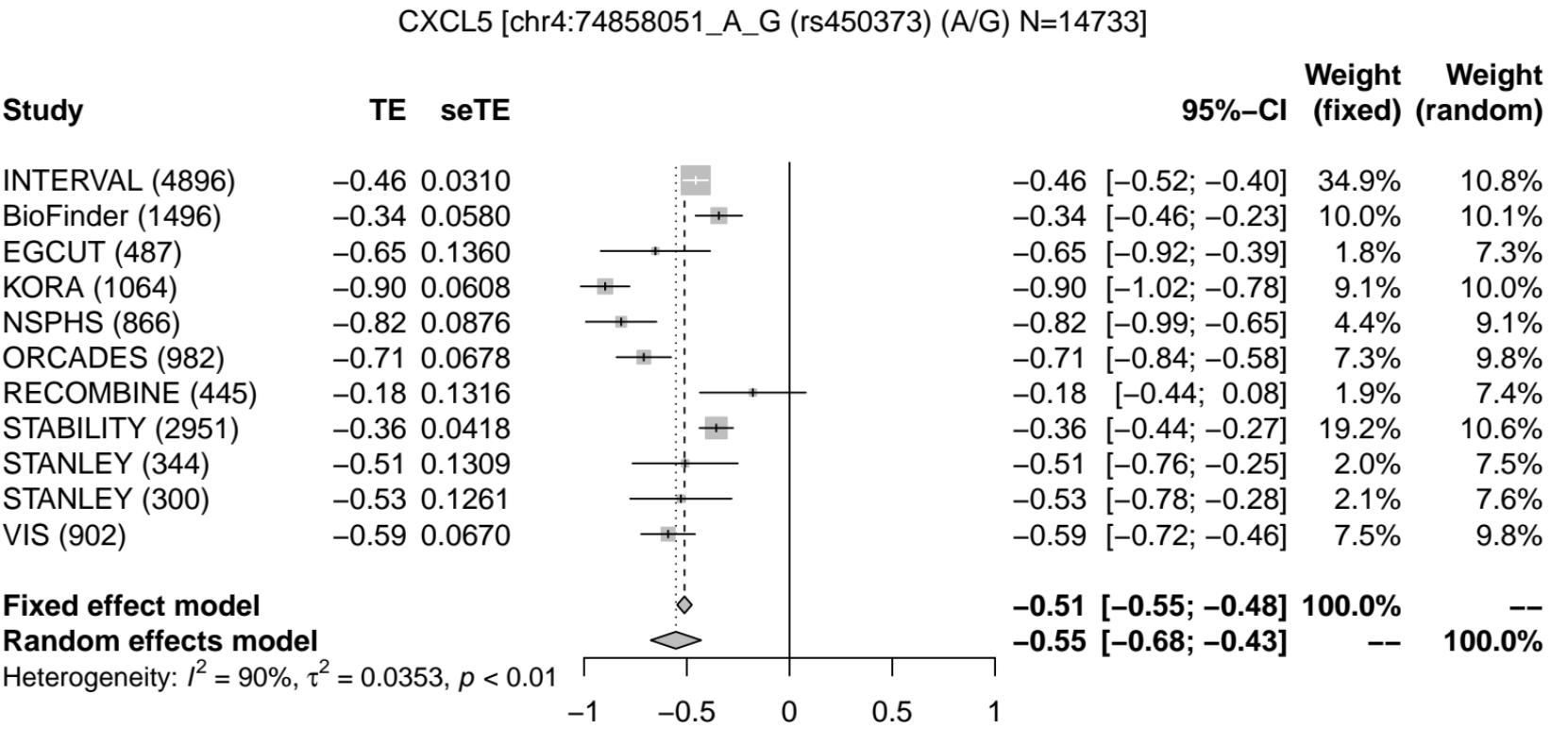
-0.14	[-0.18; -0.10]	33.0%	16.3%
-0.13	[-0.20; -0.05]	10.0%	11.6%
-0.24	[-0.37; -0.11]	3.2%	6.1%
-0.23	[-0.31; -0.15]	8.3%	10.6%
-0.32	[-0.42; -0.21]	5.0%	8.1%
-0.20	[-0.28; -0.11]	6.7%	9.5%
-0.12	[-0.29; 0.04]	1.9%	4.1%
-0.15	[-0.20; -0.10]	21.2%	14.8%
-0.16	[-0.31; -0.01]	2.4%	5.0%
-0.28	[-0.43; -0.13]	2.5%	5.1%
-0.26	[-0.35; -0.16]	5.8%	8.9%

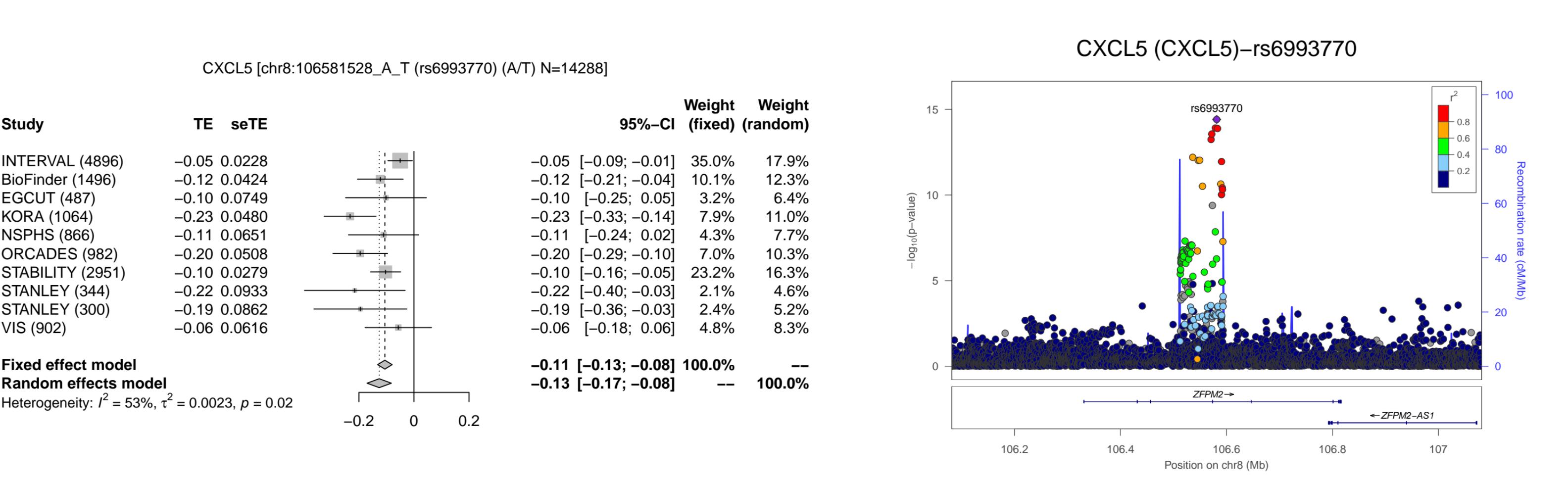
-0.17 [-0.20; -0.15] 100.0%**-0.19 [-0.23; -0.15] -- 100.0%****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 53\%$, $\tau^2 = 0.0019$, $p = 0.02$

CXCL5 (CXCL5)-rs7090111



CXCL5 (CXCL5)-rs450373





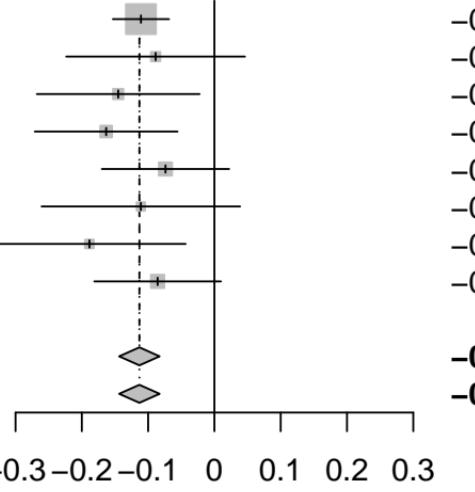
CXCL5 [chr9:136939992_A_C (rs10821552) (A/C) N=9841]

Study

INTERVAL (4896)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

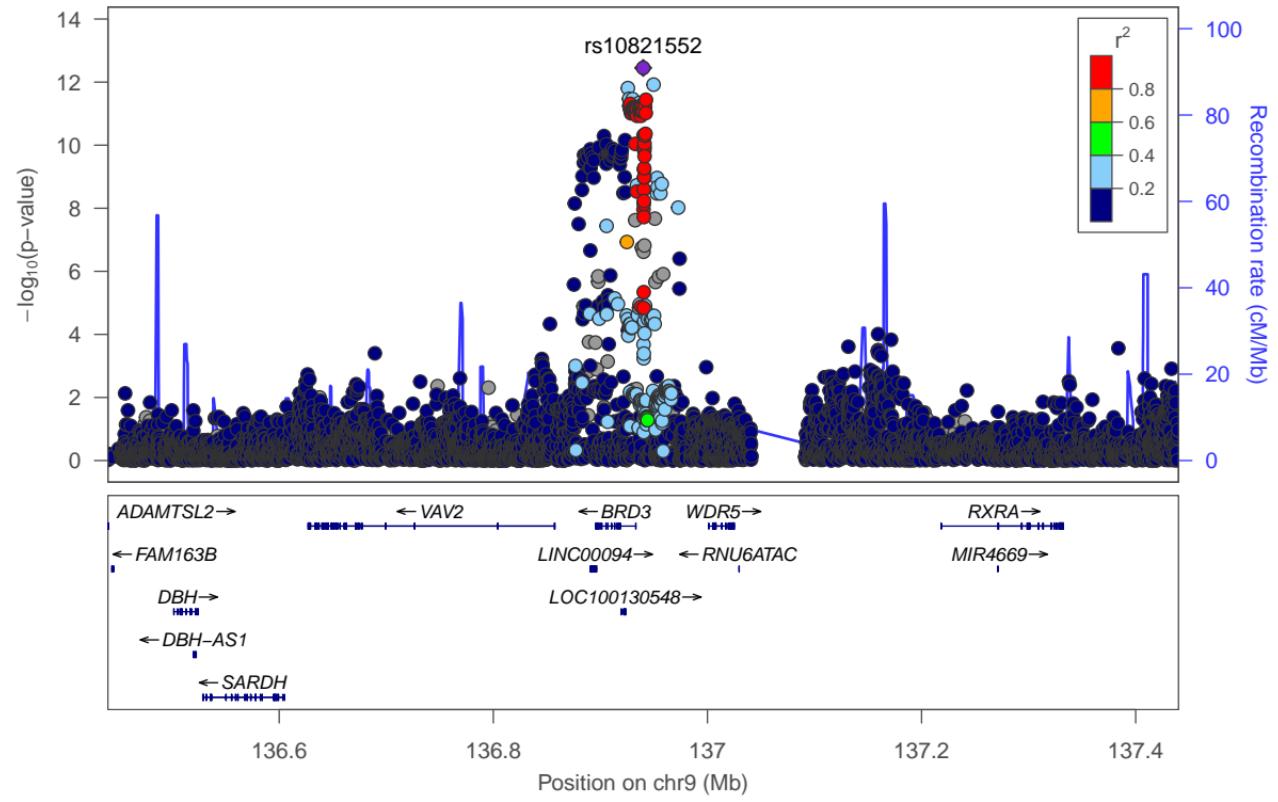
-0.11	0.0216
-0.09	0.0688
-0.15	0.0627
-0.16	0.0549
-0.07	0.0490
-0.11	0.0764
-0.19	0.0741
-0.09	0.0488



	TE	seTE	95%-CI	Weight (fixed)	Weight (random)
INTERVAL (4896)	-0.11	0.0216	-0.11 [-0.15; -0.07]	51.9%	51.9%
EGCUT (487)	-0.09	0.0688	-0.09 [-0.22; 0.05]	5.1%	5.1%
KORA (1064)	-0.15	0.0627	-0.15 [-0.27; -0.02]	6.2%	6.2%
NSPHS (866)	-0.16	0.0549	-0.16 [-0.27; -0.06]	8.0%	8.0%
ORCADES (982)	-0.07	0.0490	-0.07 [-0.17; 0.02]	10.1%	10.1%
STANLEY (344)	-0.11	0.0764	-0.11 [-0.26; 0.04]	4.1%	4.1%
STANLEY (300)	-0.19	0.0741	-0.19 [-0.33; -0.04]	4.4%	4.4%
VIS (902)	-0.09	0.0488	-0.09 [-0.18; 0.01]	10.2%	10.2%
Fixed effect model	-0.11	[-0.14; -0.08]	100.0%		--
Random effects model	-0.11	[-0.14; -0.08]		--	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.86$

CXCL5 (CXCL5)-rs10821552



CXCL6 [chr1:159175354_A_G (rs12075) (A/G) N=14741]

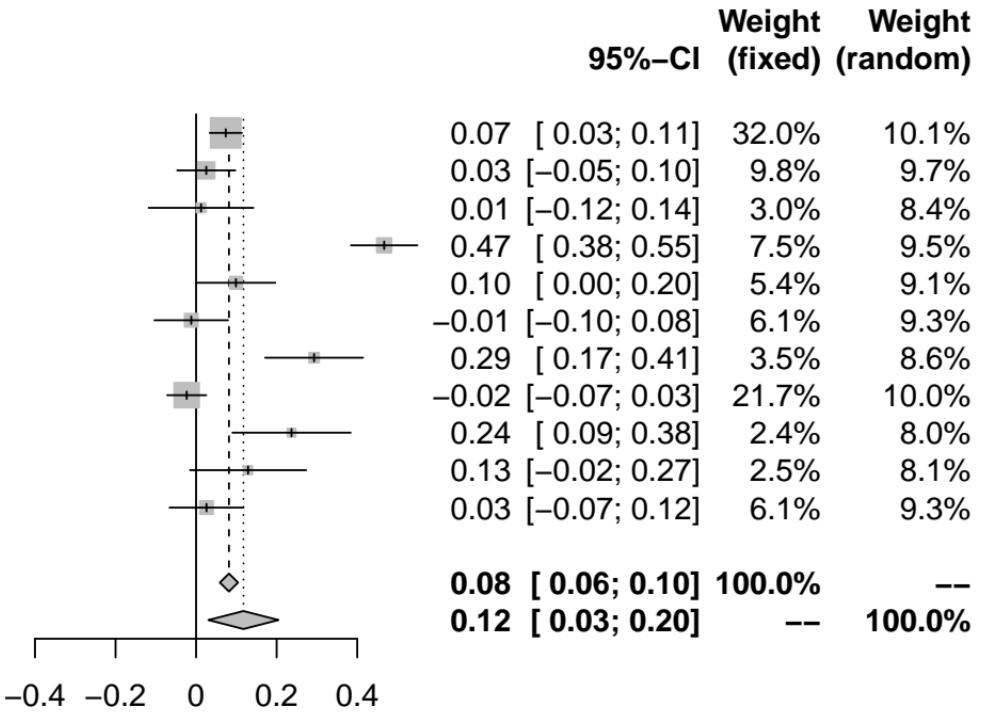
Study

	TE	seTE
INTERVAL (4896)	0.07	0.0204
BioFinder (1496)	0.03	0.0368
EGCUT (487)	0.01	0.0664
KORA (1064)	0.47	0.0421
NSPHS (874)	0.10	0.0498
ORCADES (982)	-0.01	0.0466
RECOMBINE (445)	0.29	0.0620
STABILITY (2951)	-0.02	0.0248
STANLEY (344)	0.24	0.0749
STANLEY (300)	0.13	0.0736
VIS (902)	0.03	0.0469

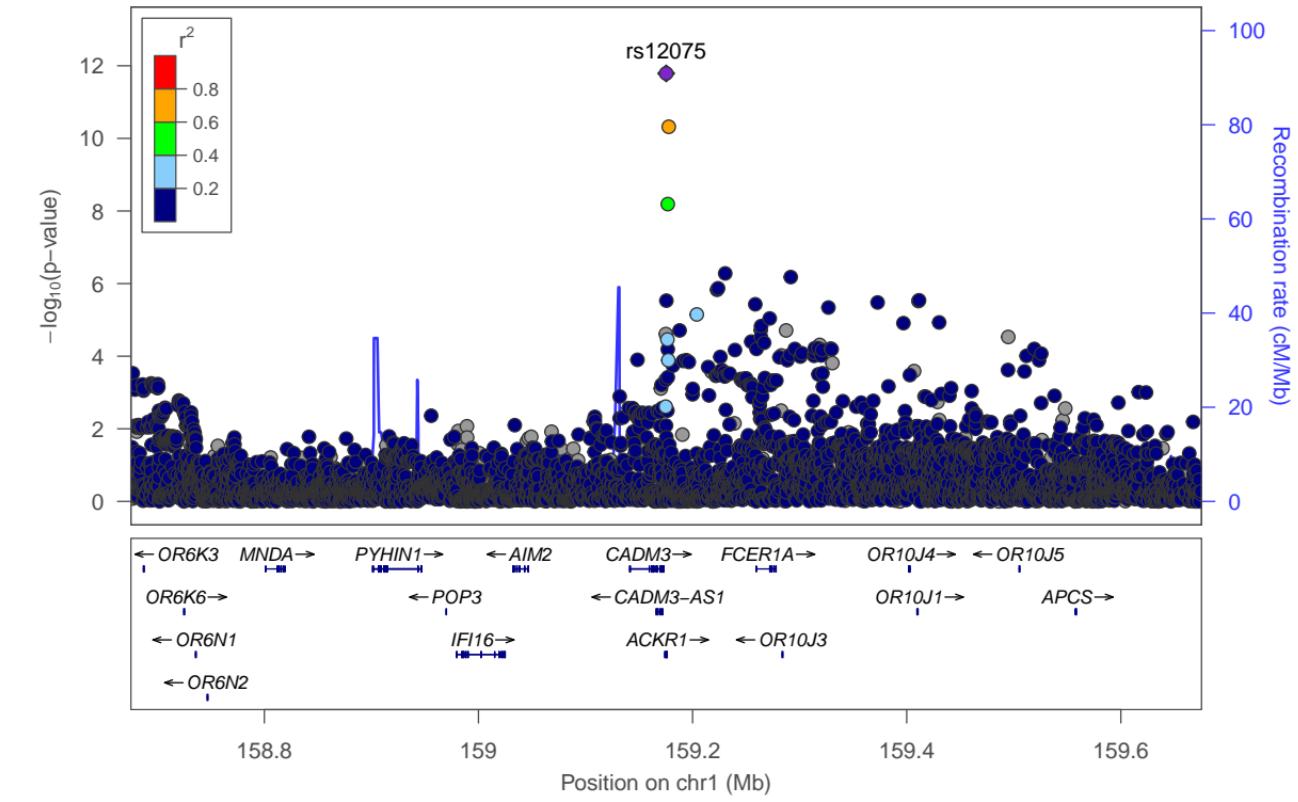
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 92\%$, $\tau^2 = 0.0190$, $p < 0.01$



CXCL6 (CXCL6)-rs12075



CXCL6 (CXCL6)-rs16850073

CXCL6 [chr4:74703999_C_T (rs16850073) (T/C) N=14296]

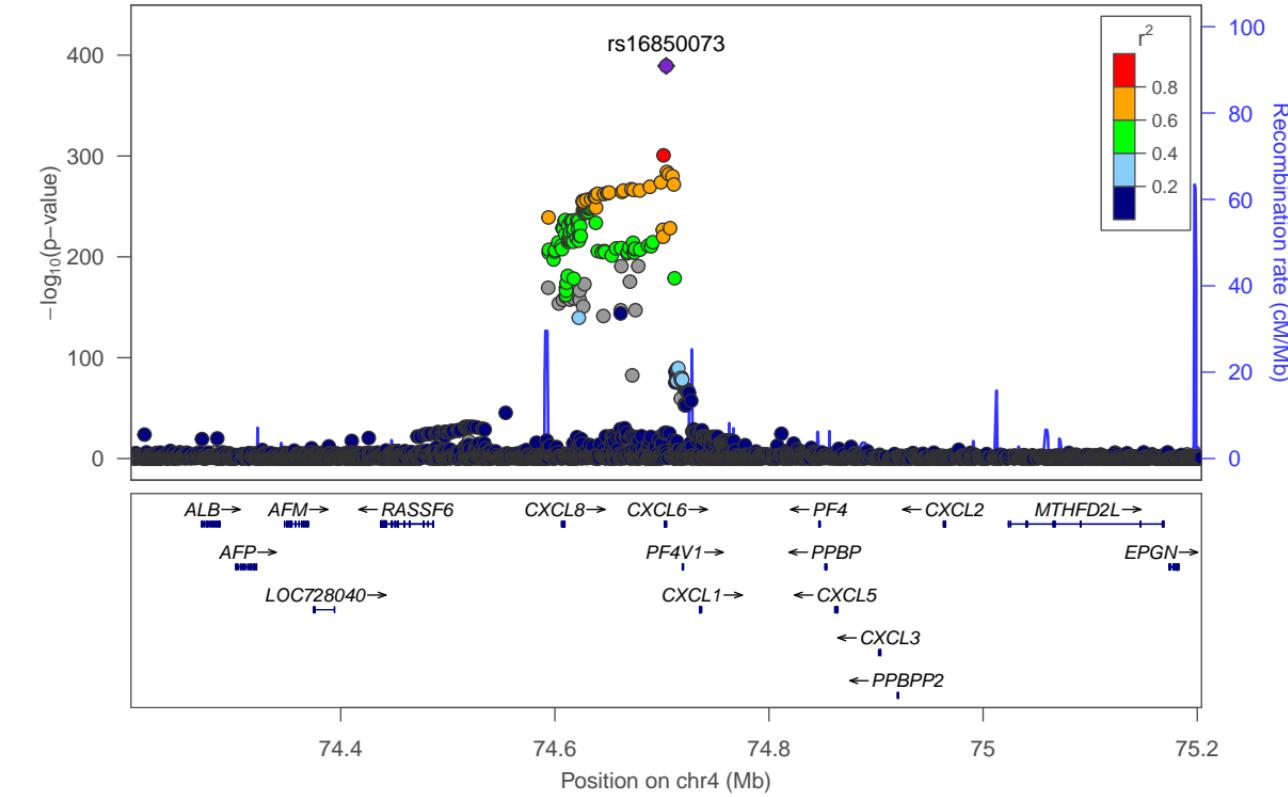
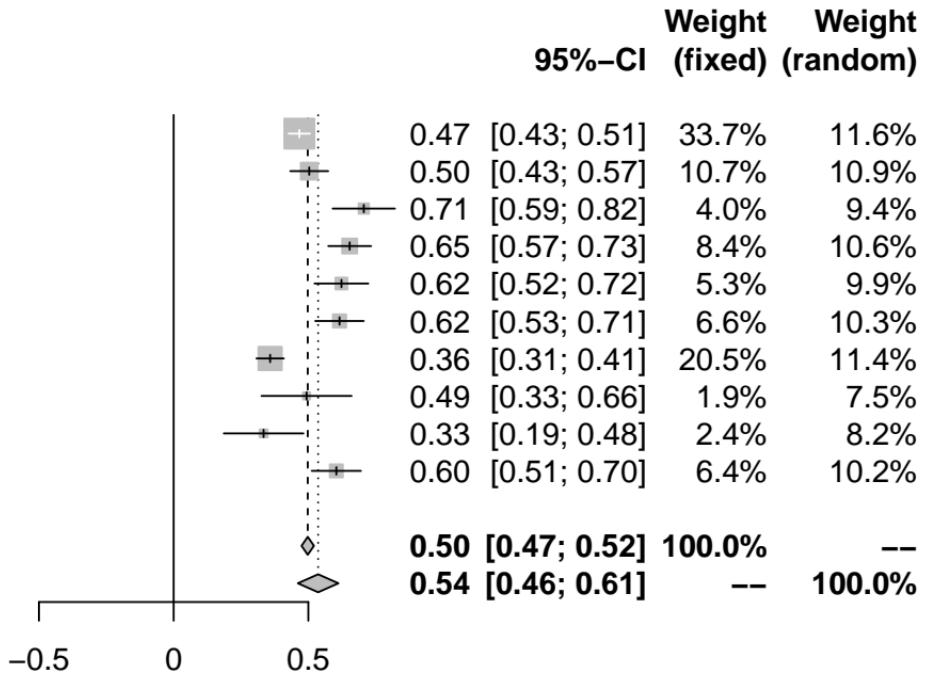
Study

	TE	seTE
INTERVAL (4896)	0.47	0.0203
BioFinder (1496)	0.50	0.0359
EGCUT (487)	0.71	0.0590
KORA (1064)	0.65	0.0406
NSPHS (874)	0.62	0.0510
ORCADES (982)	0.62	0.0460
STABILITY (2951)	0.36	0.0260
STANLEY (344)	0.49	0.0854
STANLEY (300)	0.33	0.0755
VIS (902)	0.60	0.0466

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 89\%$, $\tau^2 = 0.0123$, $p < 0.01$



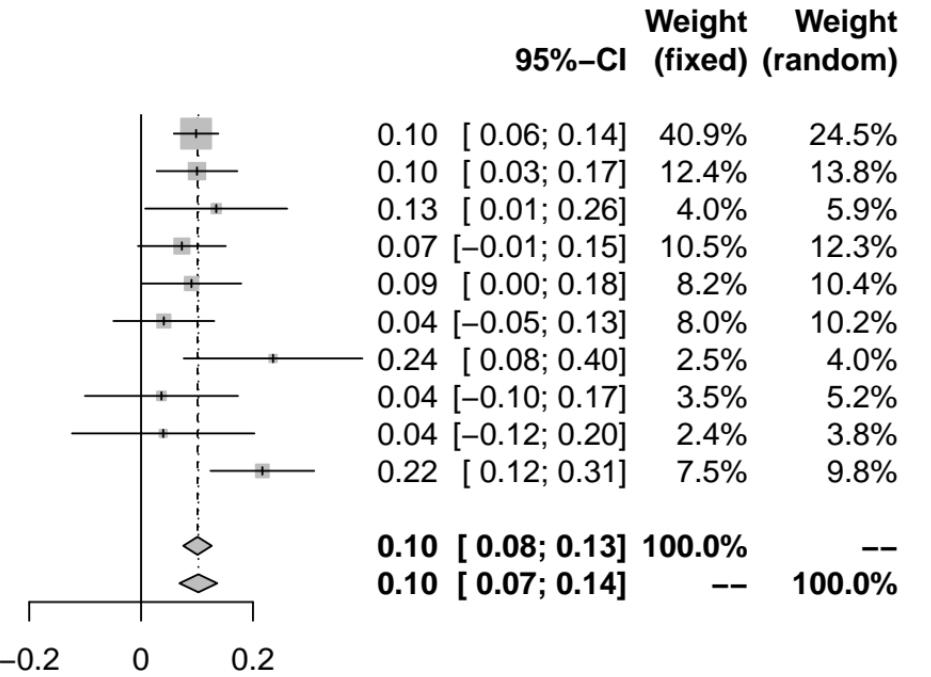
CXCL9 [chr12:111884608_C_T (rs3184504) (T/C) N=11784]

Study	TE	seTE
INTERVAL (4896)	0.10	0.0203
BioFinder (1496)	0.10	0.0368
EGCUT (487)	0.13	0.0647
KORA (1064)	0.07	0.0401
NSPHS (866)	0.09	0.0454
ORCADES (982)	0.04	0.0460
RECOMBINE (448)	0.24	0.0815
STANLEY (344)	0.04	0.0698
STANLEY (300)	0.04	0.0832
VIS (901)	0.22	0.0473

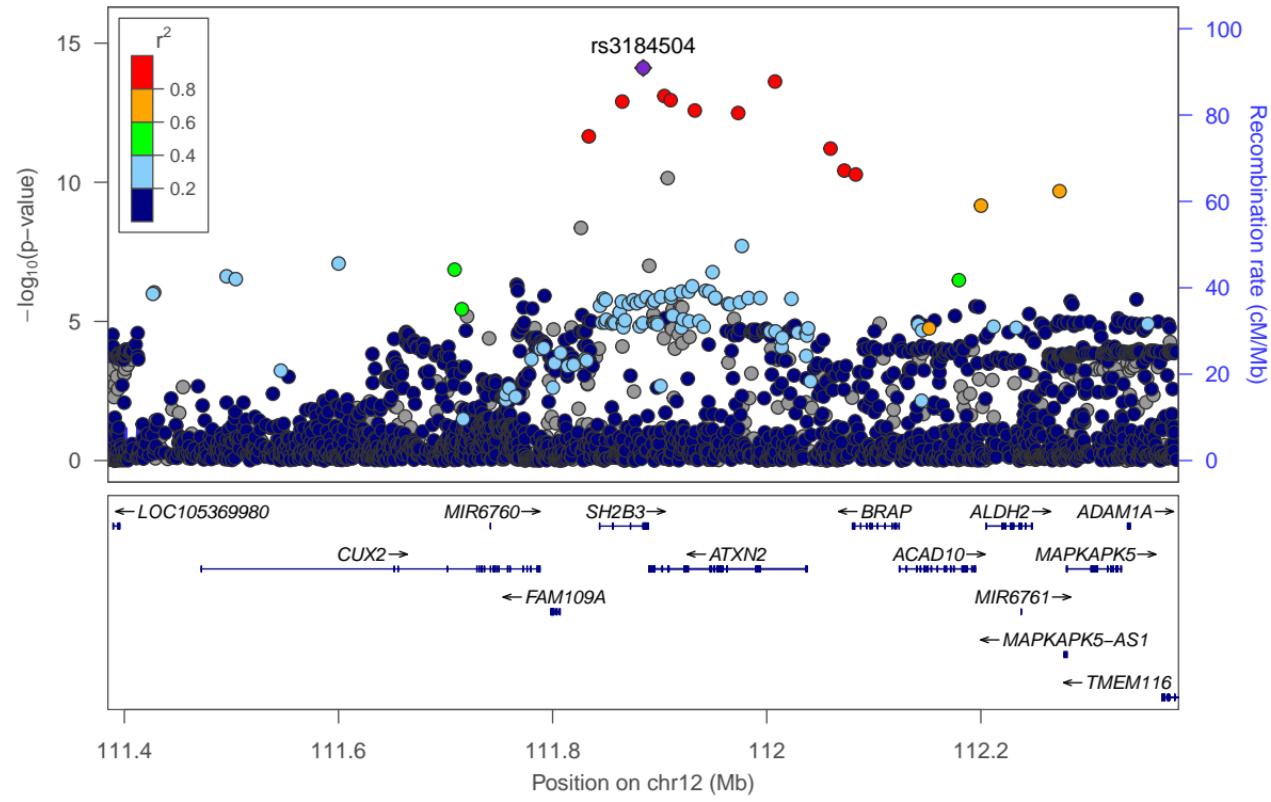
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 29\%$, $\tau^2 = 0.0008$, $p = 0.18$



CXCL9 (CXCL9)-rs3184504



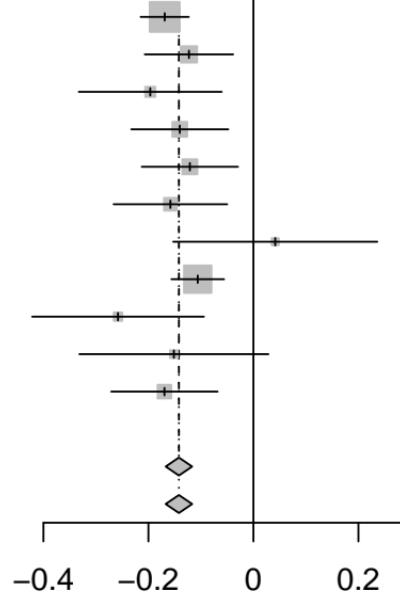
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (437)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

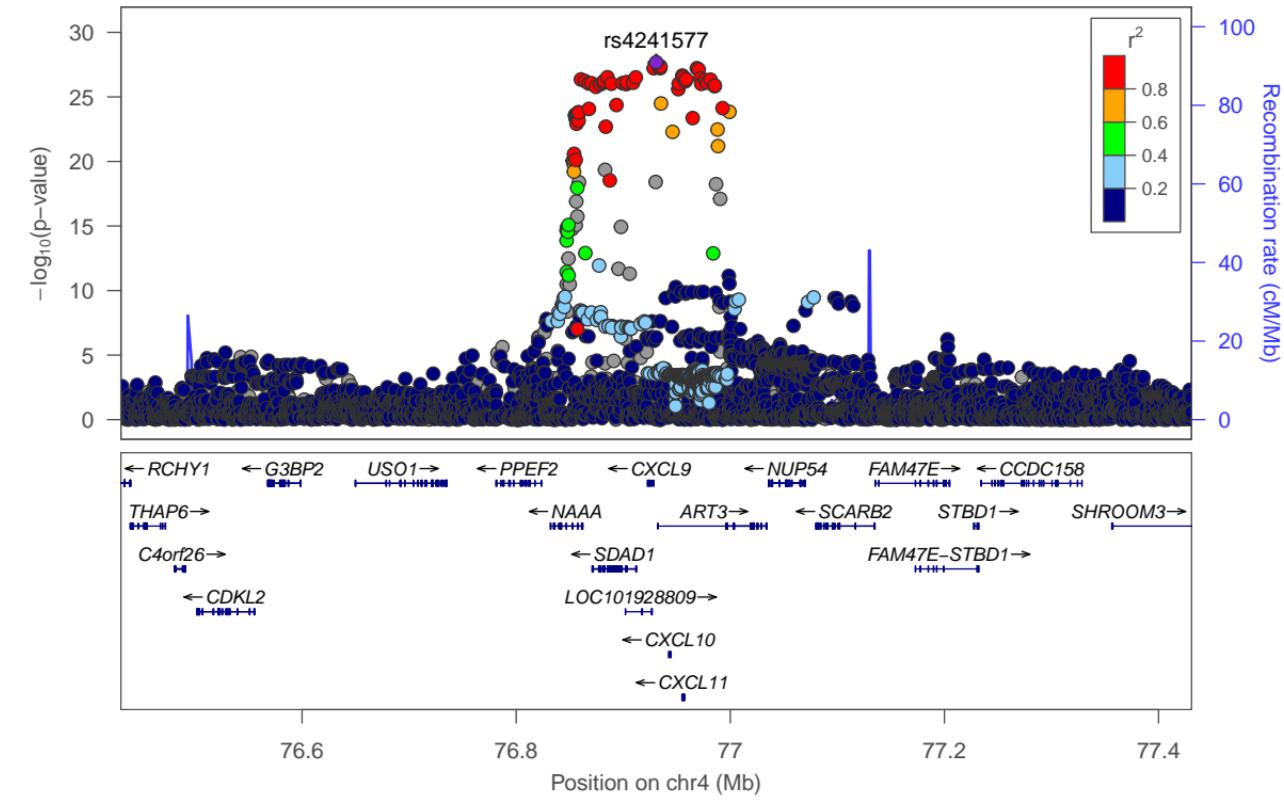
CXCL9 [chr4:76930776_A_C (rs4241577) (A/C) N=14724]

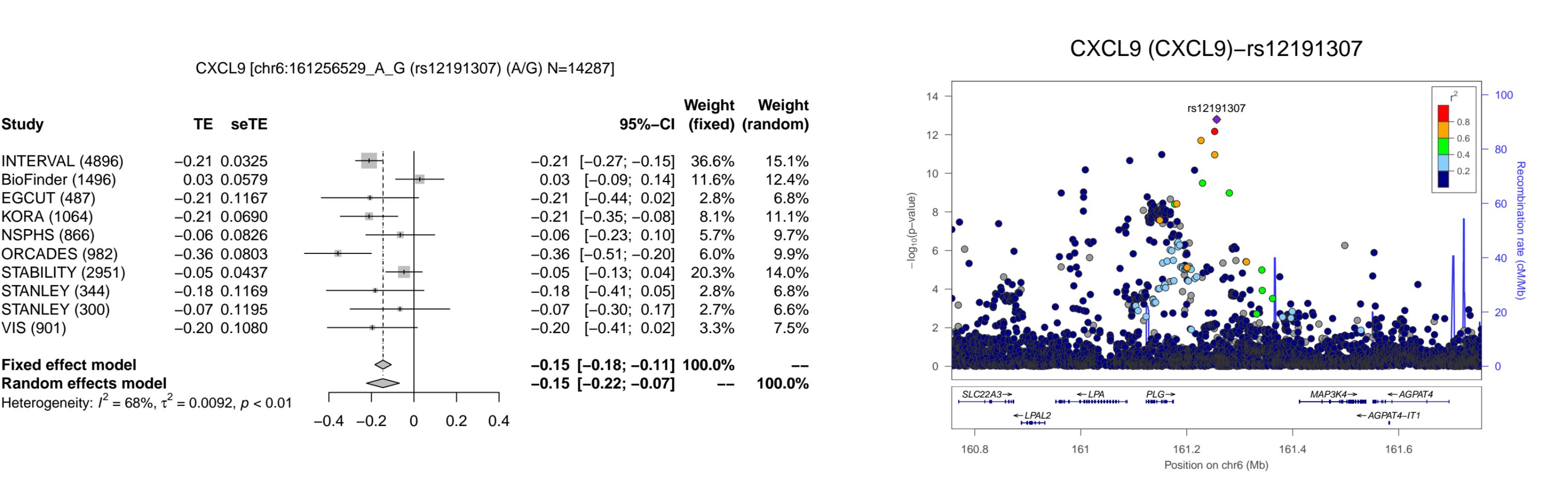
TE **seTE**

-0.17 0.0234
-0.12 0.0430
-0.20 0.0695
-0.14 0.0472
-0.12 0.0468
-0.16 0.0552
0.04 0.0992
-0.11 0.0256
-0.26 0.0835
-0.15 0.0919
-0.17 0.0517

Heterogeneity: $I^2 = 0\%$, $\tau^2 < 0.0001$, $p = 0.44$

CXCL9 (CXCL9)-rs4241577





DNER (DNER)-rs62193248

DNER [chr2:230596917_A_T (rs62193248) (A/T) N=14287]

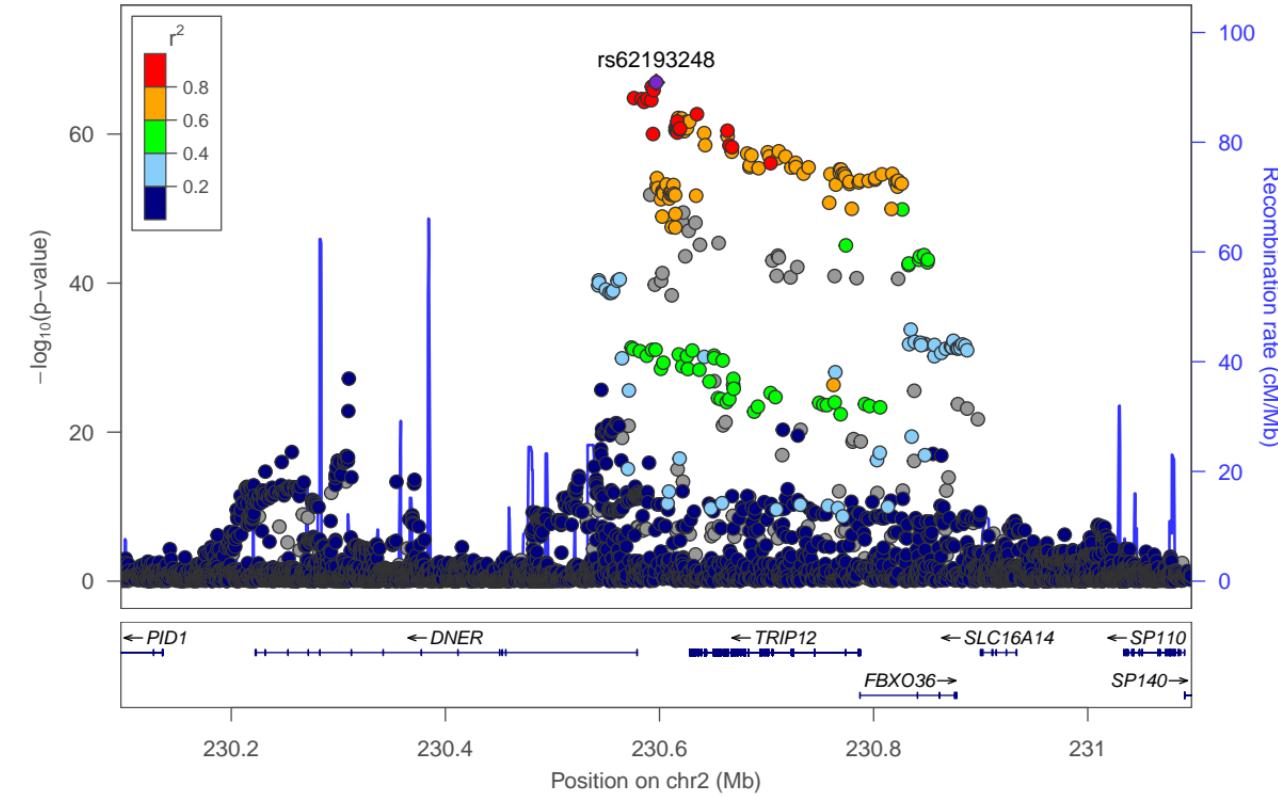
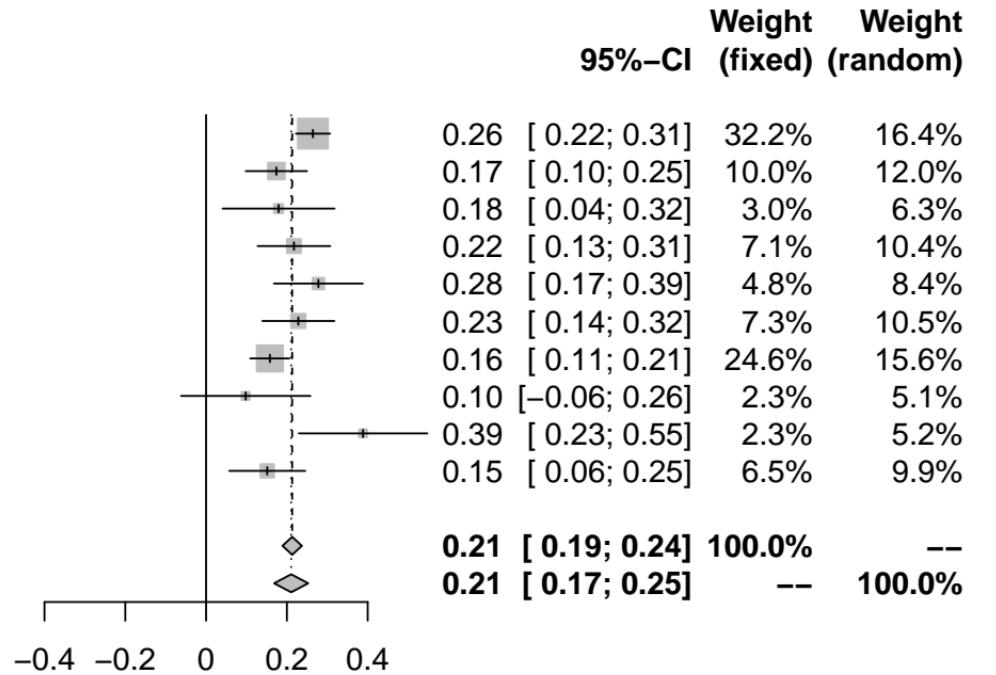
Study

	TE	seTE
INTERVAL (4896)	0.26	0.0216
BioFinder (1496)	0.17	0.0387
EGCUT (487)	0.18	0.0707
KORA (1064)	0.22	0.0459
NSPHS (866)	0.28	0.0562
ORCADES (982)	0.23	0.0455
STABILITY (2951)	0.16	0.0247
STANLEY (344)	0.10	0.0817
STANLEY (300)	0.39	0.0812
VIS (901)	0.15	0.0481

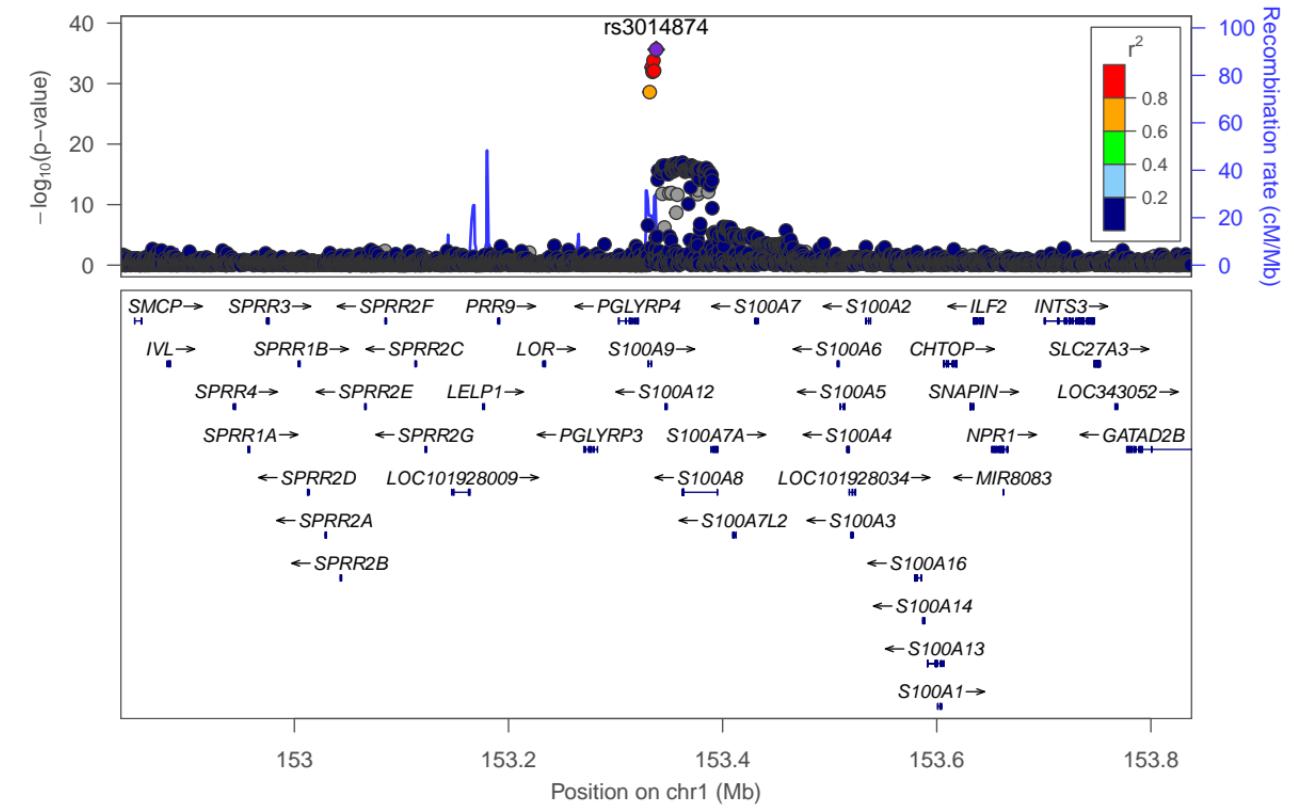
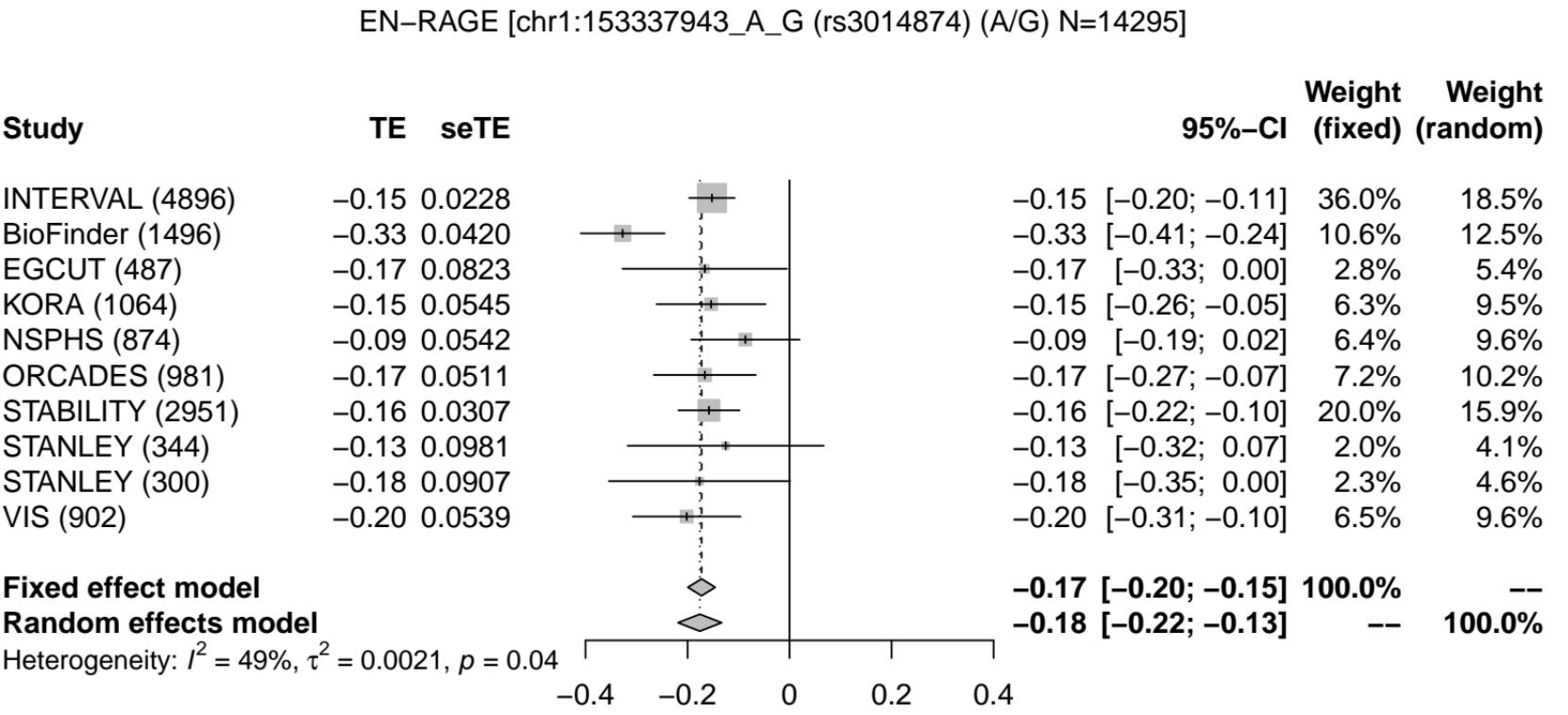
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 58\%$, $\tau^2 = 0.0024$, $p = 0.01$



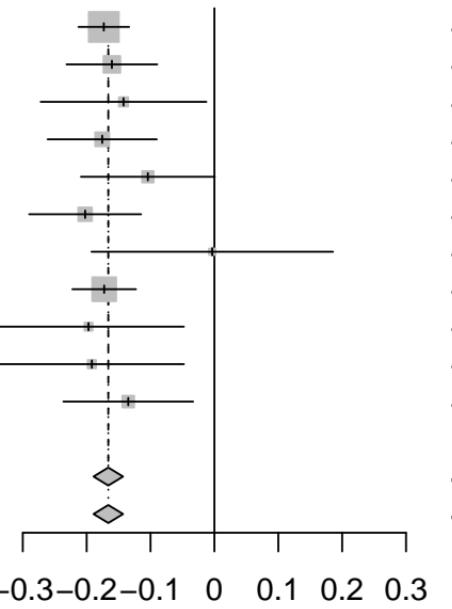
EN-RAGE (S100A12)-rs3014874



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

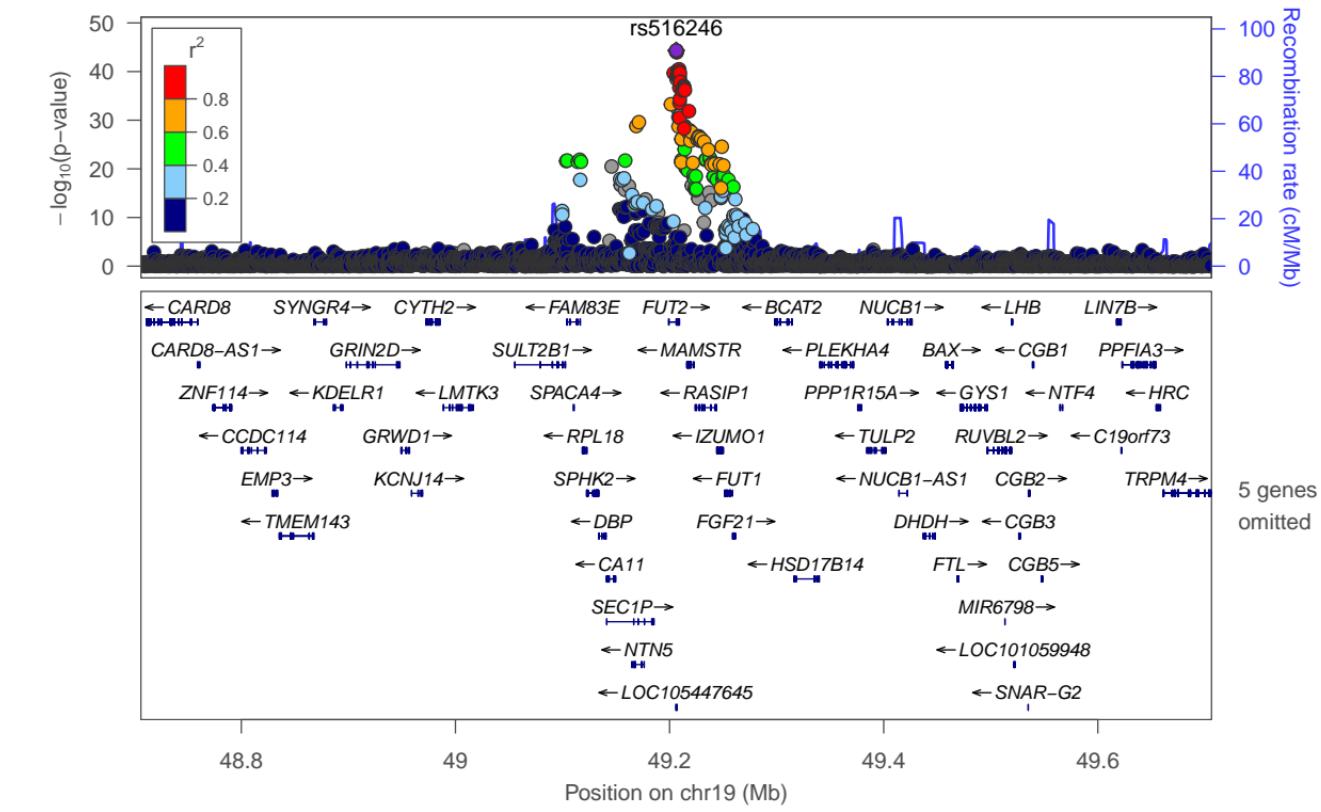
FGF-19 [chr19:49206172_C_T (rs516246) (T/C) N=14744]

TE **seTE**
95%-CI **Weight (fixed)** **Weight (random)**

-0.17	[-0.21; -0.13]	33.9%	33.9%
-0.16	[-0.23; -0.09]	10.6%	10.6%
-0.14	[-0.27; -0.01]	3.2%	3.2%
-0.18	[-0.26; -0.09]	7.3%	7.3%
-0.10	[-0.21; 0.00]	4.9%	4.9%
-0.20	[-0.29; -0.11]	7.0%	7.0%
-0.00	[-0.19; 0.19]	1.5%	1.5%
-0.17	[-0.22; -0.12]	21.5%	21.5%
-0.20	[-0.35; -0.05]	2.4%	2.4%
-0.19	[-0.34; -0.05]	2.6%	2.6%
-0.13	[-0.24; -0.03]	5.2%	5.2%
-0.17	[-0.19; -0.14]	100.0%	--
-0.17	[-0.19; -0.14]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.83$

FGF-19 (FGF19)-rs516246

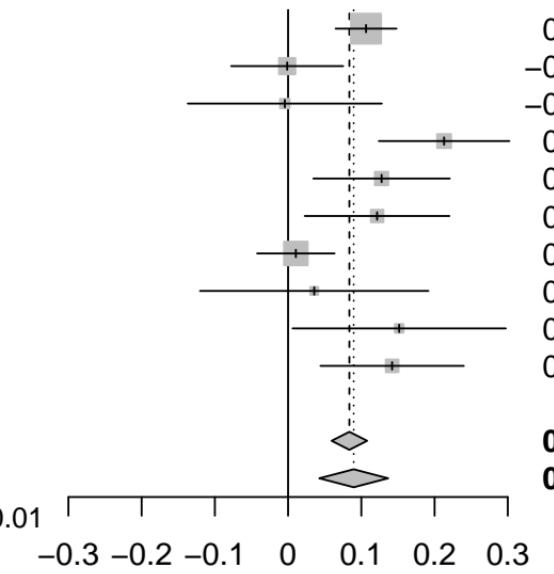


FGF-19 [chr4:39457617_A_G (rs13103023) (A/G) N=14296]

Study

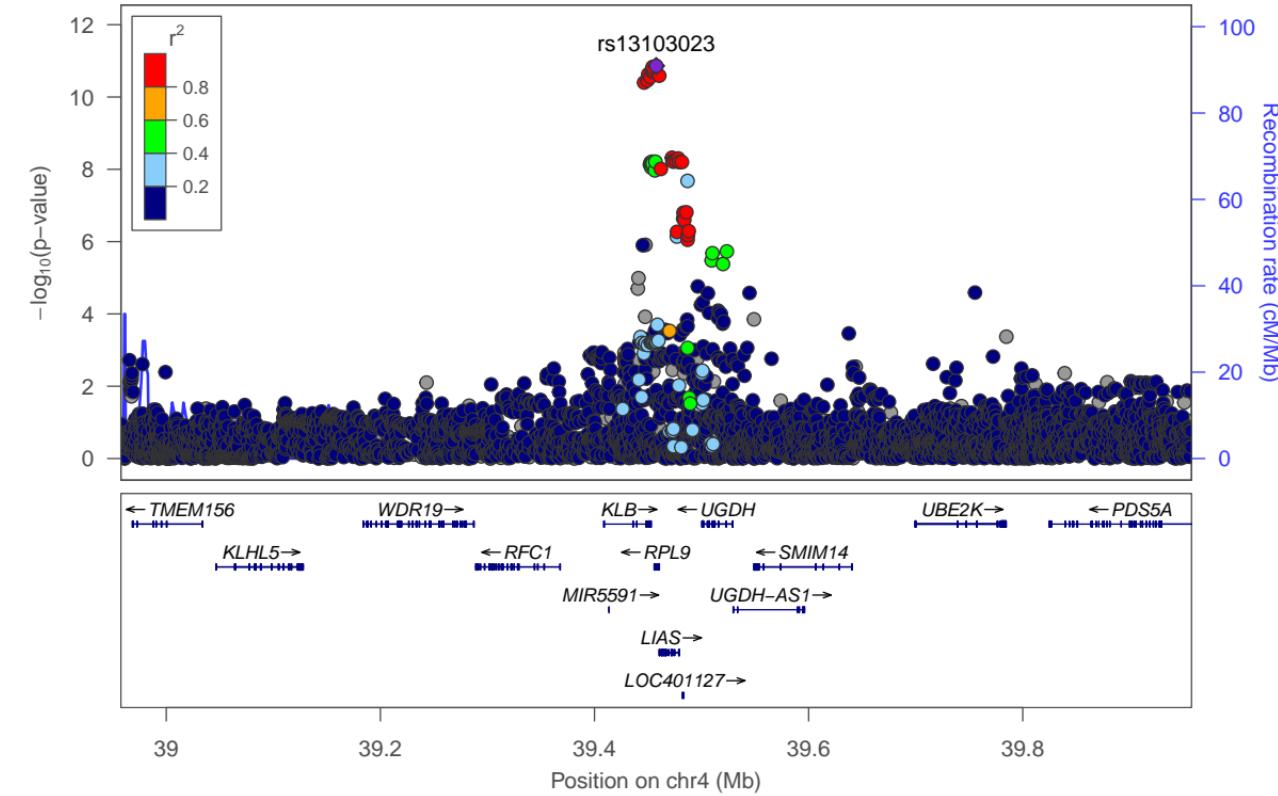
Study	TE	seTE
INTERVAL (4896)	0.11	0.0212
BioFinder (1496)	-0.00	0.0390
EGCUT (487)	-0.00	0.0676
KORA (1064)	0.21	0.0455
NSPHS (874)	0.13	0.0476
ORCADES (982)	0.12	0.0504
STABILITY (2951)	0.01	0.0270
STANLEY (344)	0.04	0.0796
STANLEY (300)	0.15	0.0743
VIS (902)	0.14	0.0499

TE seTE

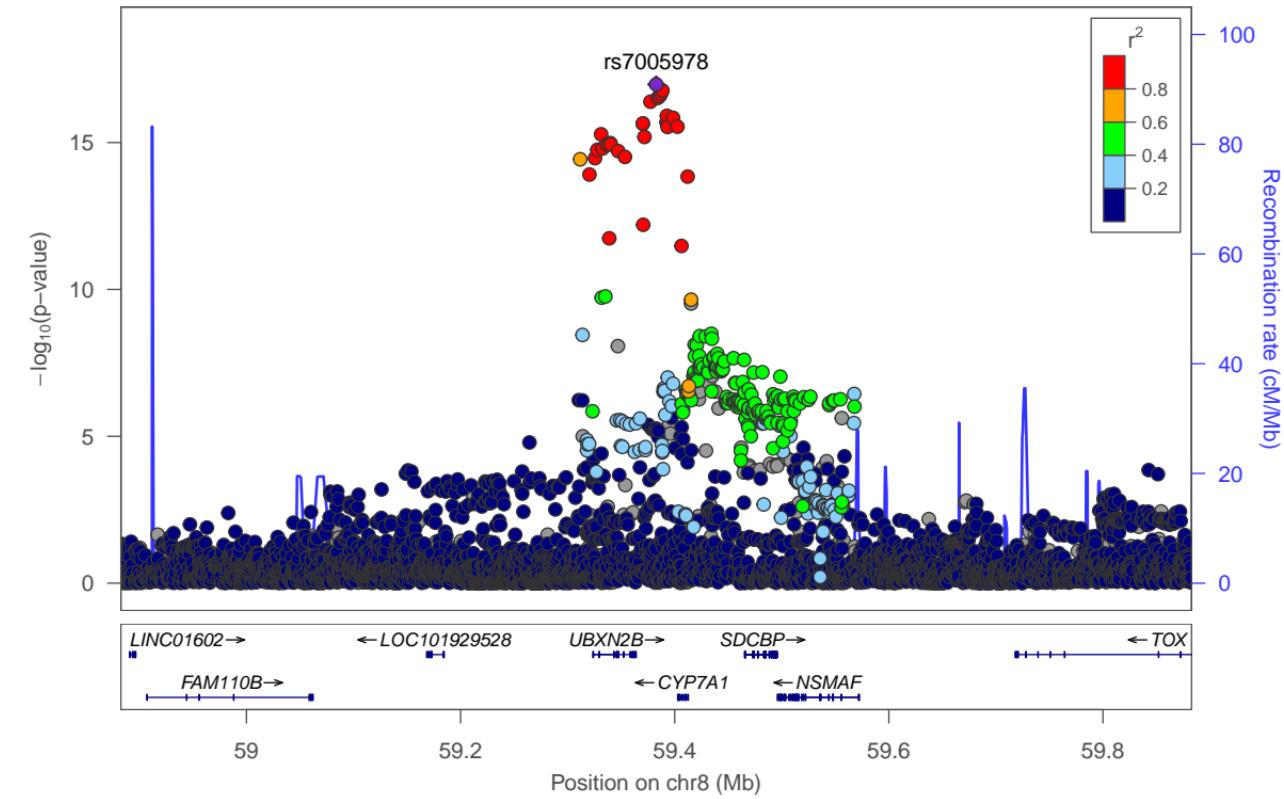
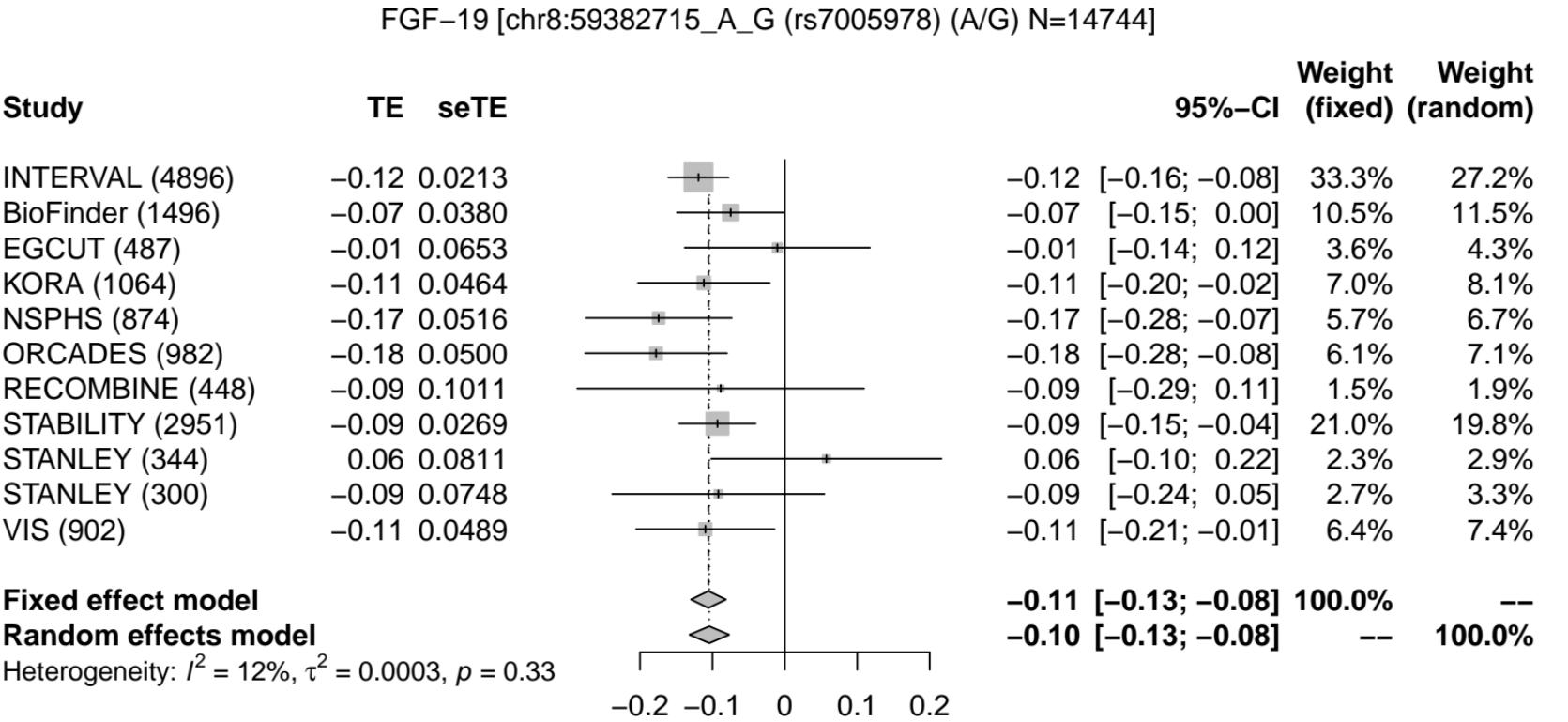


Heterogeneity: $I^2 = 67\%$, $\tau^2 = 0.0034$, $p < 0.01$

FGF-19 (FGF19)-rs13103023



FGF-19 (FGF19)-rs7005978



FGF-21 (FGF21)-rs838131

FGF-21 [chr19:49260677_A_C (rs838131) (A/C) N=14295]

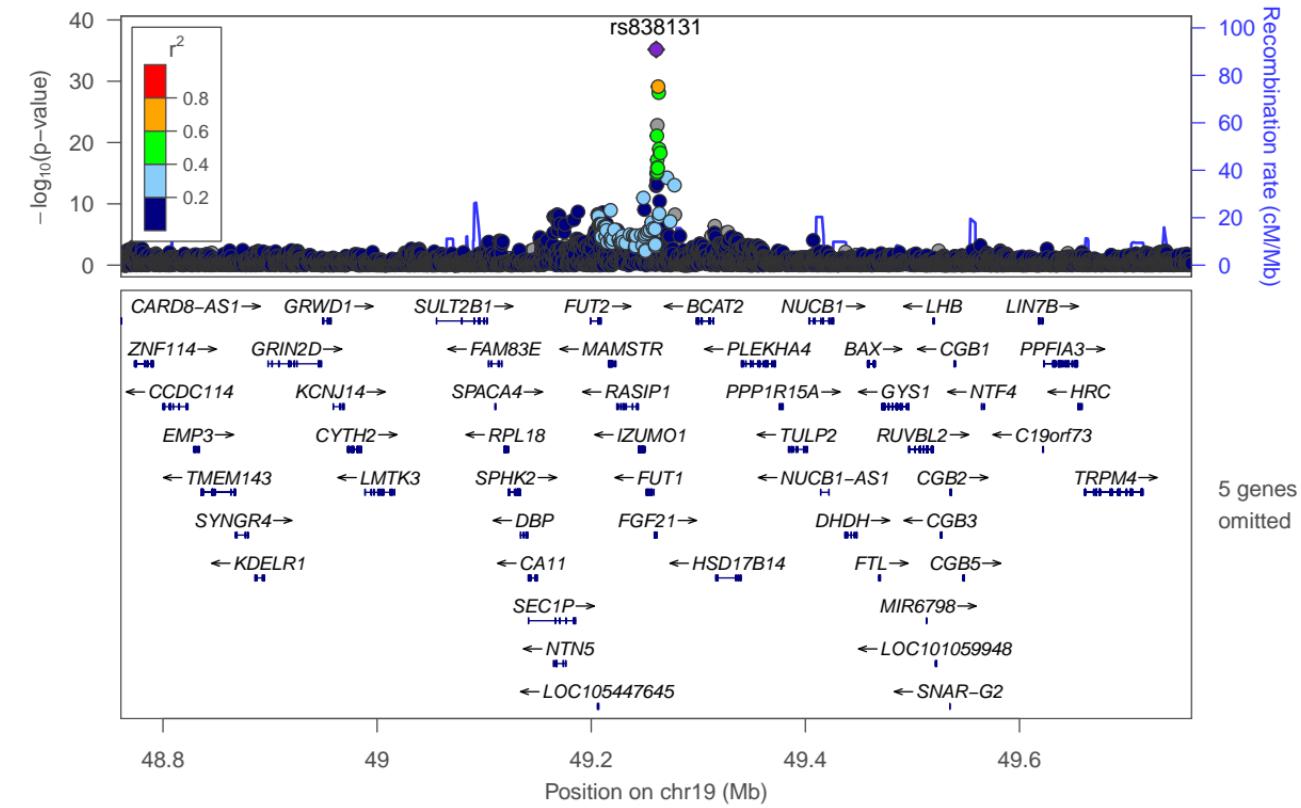
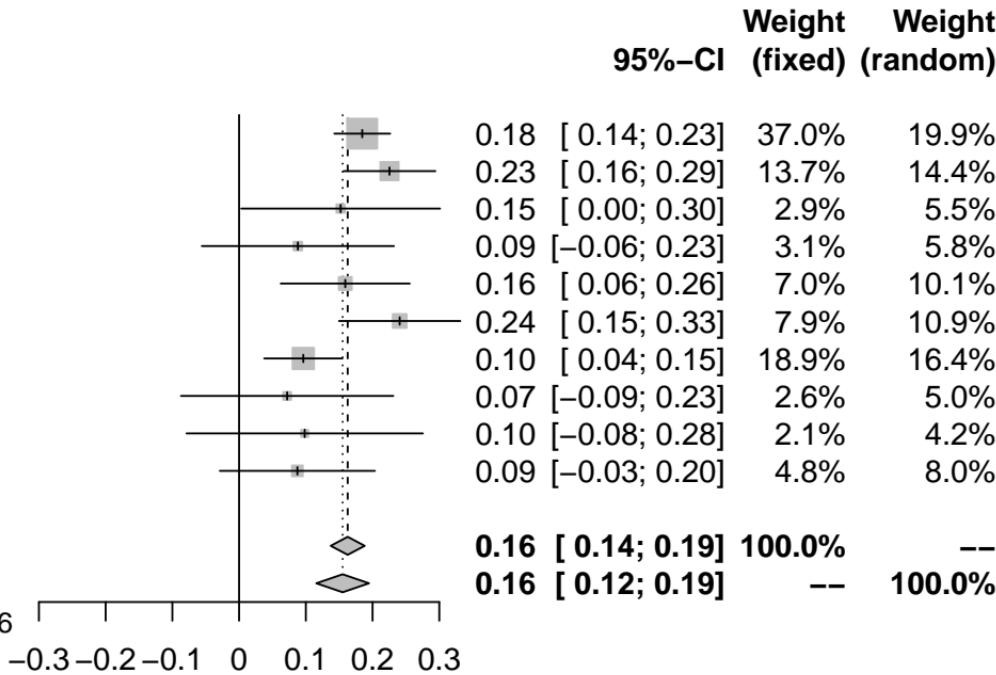
Study

	TE	seTE
INTERVAL (4896)	0.18	0.0214
BioFinder (1496)	0.23	0.0351
EGCUT (487)	0.15	0.0760
KORA (1064)	0.09	0.0735
NSPHS (874)	0.16	0.0493
ORCADES (982)	0.24	0.0464
STABILITY (2951)	0.10	0.0299
STANLEY (344)	0.07	0.0812
STANLEY (300)	0.10	0.0904
VIS (901)	0.09	0.0593

Fixed effect model

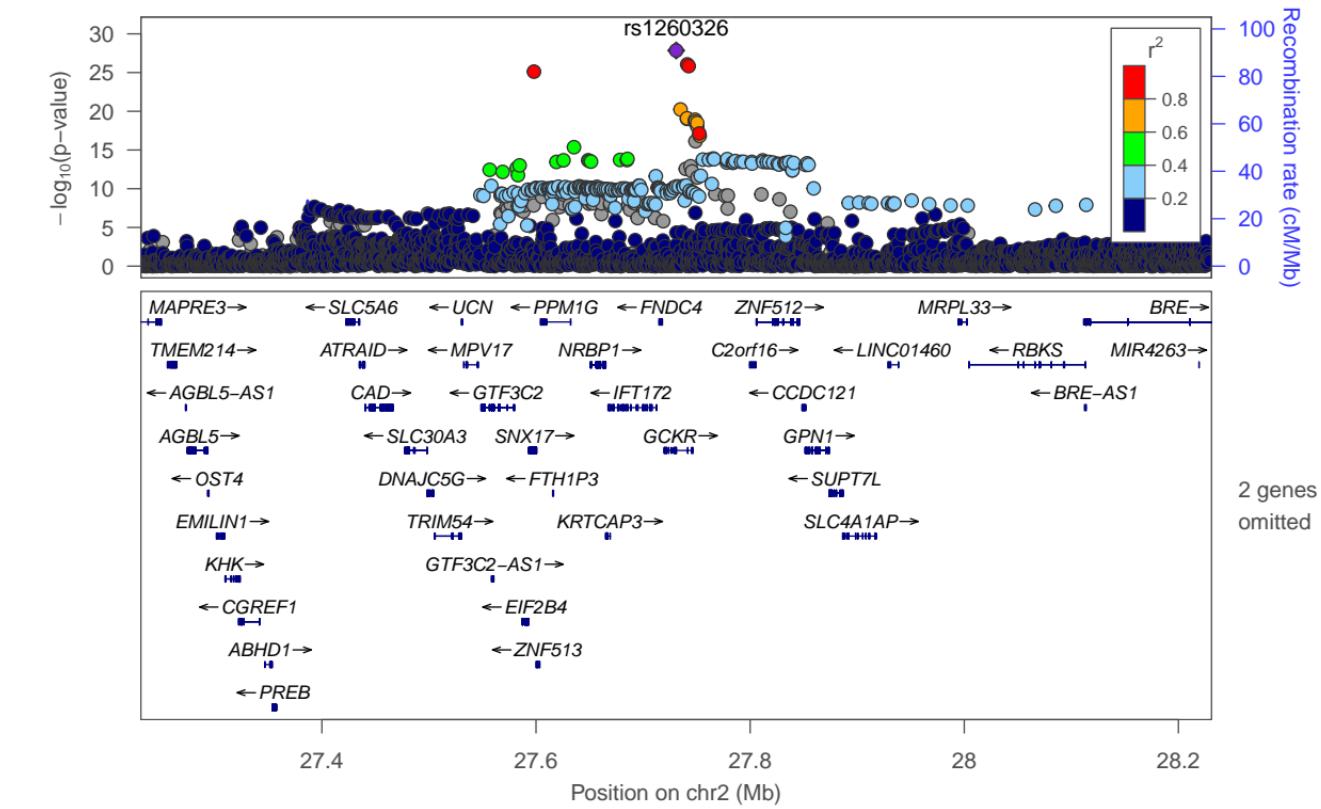
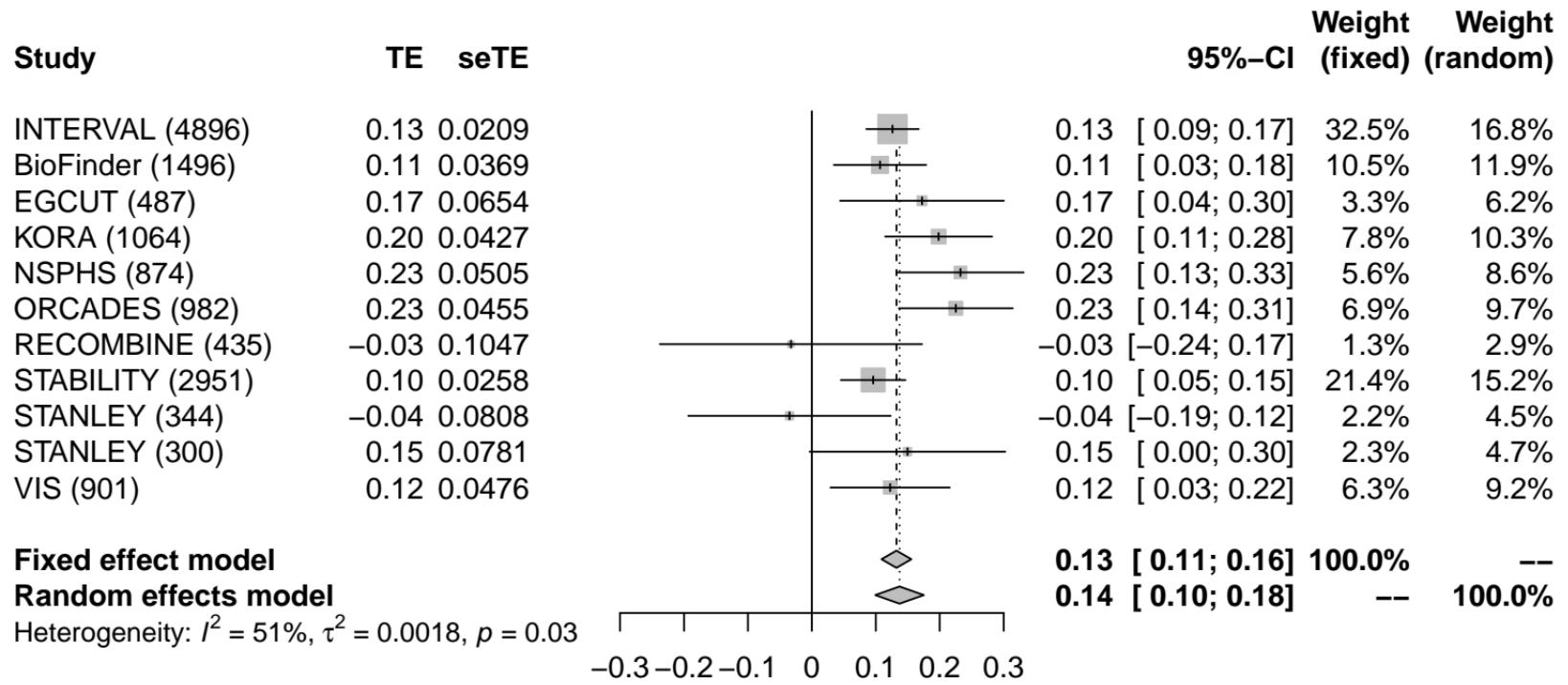
Random effects model

Heterogeneity: $I^2 = 45\%$, $\tau^2 = 0.0016$, $p = 0.06$



FGF-21 (FGF21)-rs1260326

FGF-21 [chr2:27730940_C_T (rs1260326) (T/C) N=14730]



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

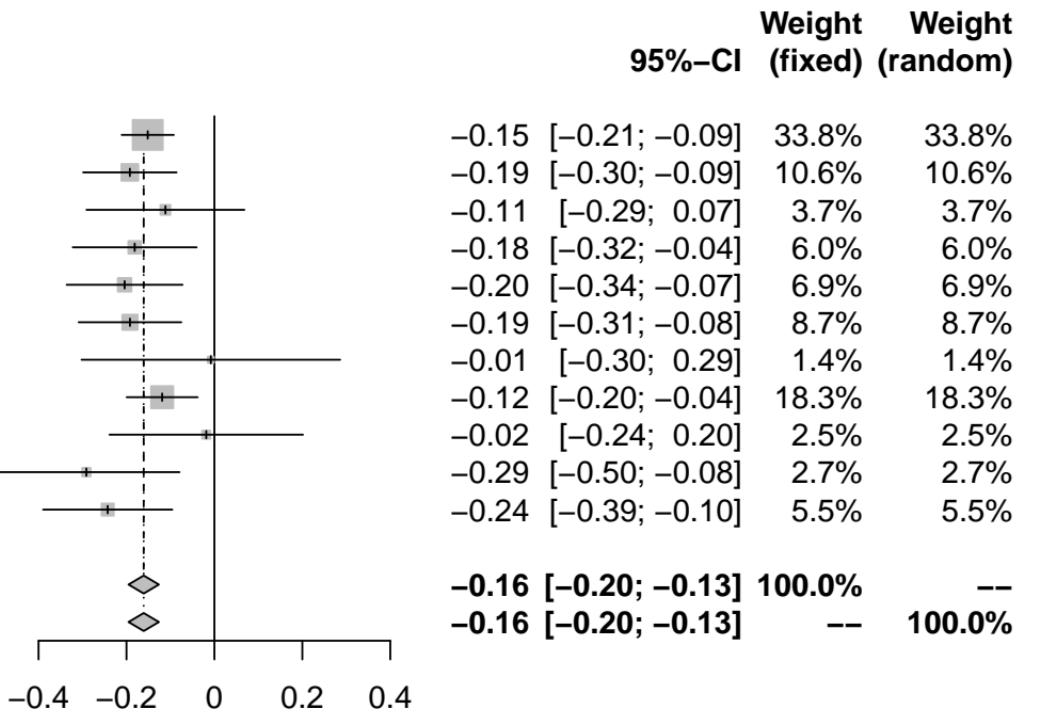
TE seTE

Study	TE	seTE
INTERVAL (4896)	-0.15	0.0303
BioFinder (1496)	-0.19	0.0543
EGCUT (487)	-0.11	0.0917
KORA (1064)	-0.18	0.0720
NSPHS (874)	-0.20	0.0673
ORCADES (982)	-0.19	0.0596
RECOMBINE (448)	-0.01	0.1501
STABILITY (2951)	-0.12	0.0412
STANLEY (344)	-0.02	0.1123
STANLEY (300)	-0.29	0.1082
VIS (901)	-0.24	0.0750

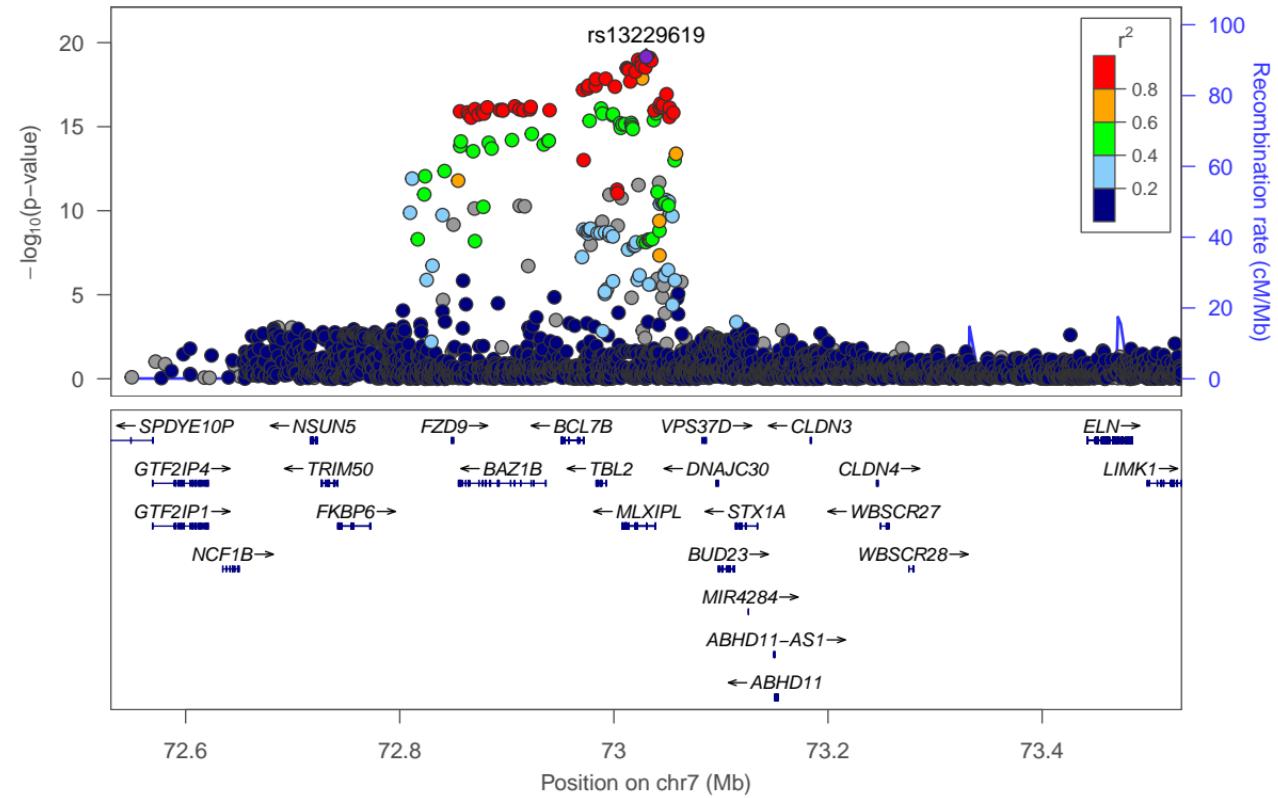
Fixed effect model**Random effects model**

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.65$

FGF-21 [chr7:73030175_A_G (rs13229619) (A/G) N=14743]



FGF-21 (FGF21)-rs13229619



FGF-23 (FGF23)-rs6127099

FGF-23 [chr20:52731402_A_T (rs6127099) (A/T) N=14287]

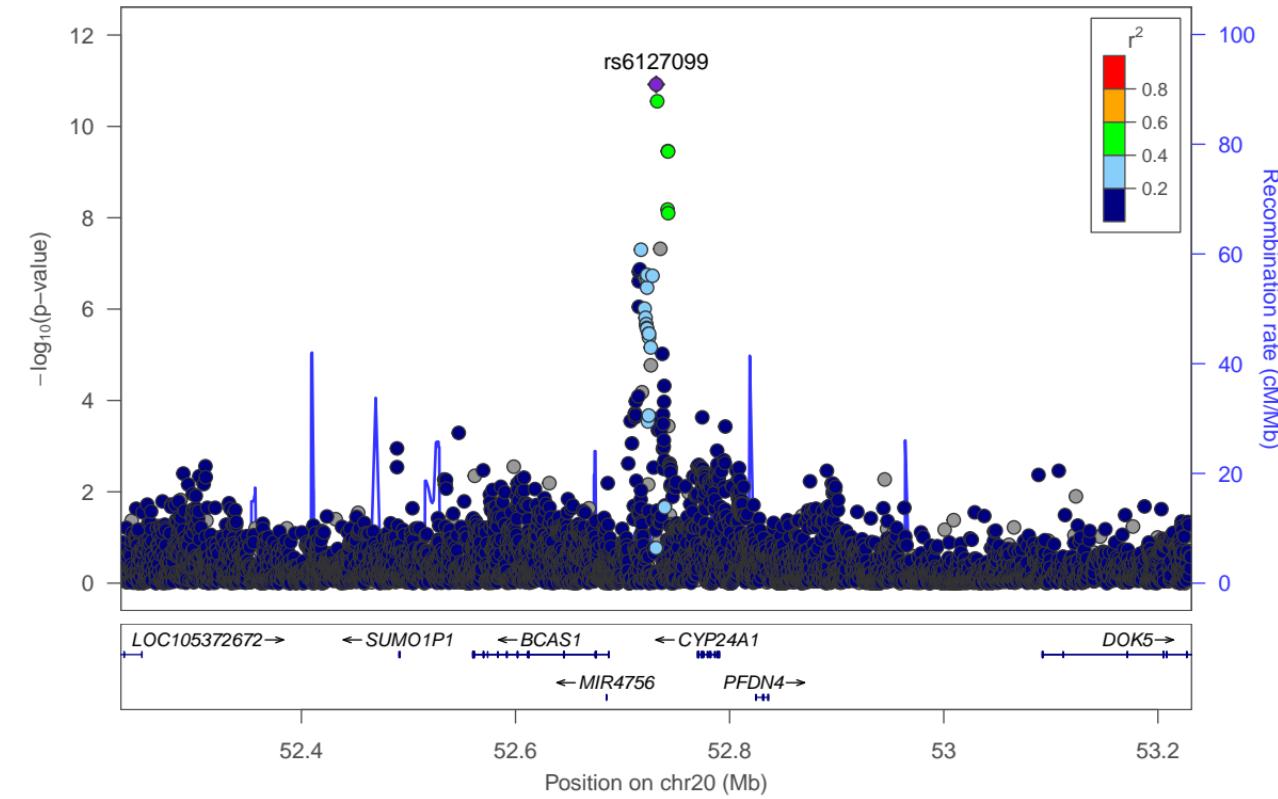
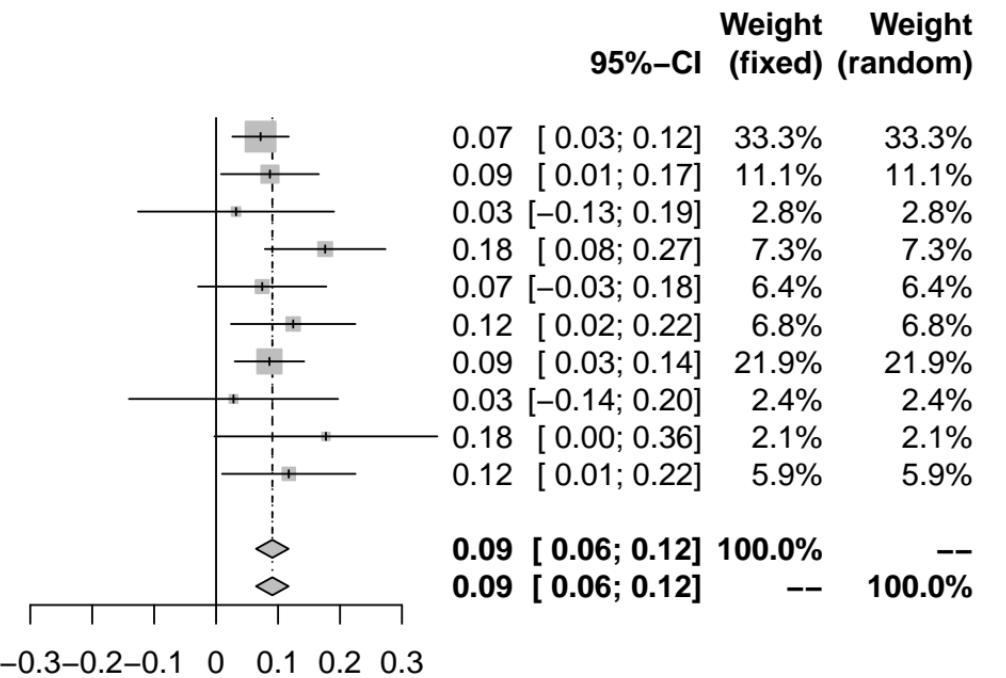
Study

	TE	seTE
INTERVAL (4896)	0.07	0.0232
BioFinder (1496)	0.09	0.0402
EGCUT (487)	0.03	0.0807
KORA (1063)	0.18	0.0496
NSPHS (866)	0.07	0.0528
ORCADES (982)	0.12	0.0512
STABILITY (2951)	0.09	0.0286
STANLEY (344)	0.03	0.0861
STANLEY (300)	0.18	0.0918
VIS (902)	0.12	0.0549

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.70$



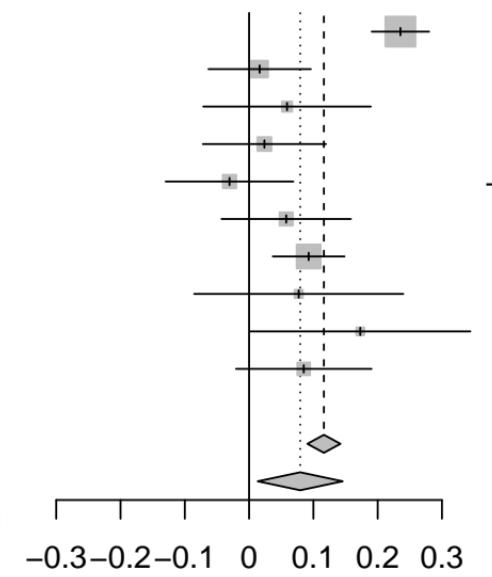
FGF-23 [chr2:190446541_C_G (rs3811621) (C/G) N=14287]

Study

Study	TE	seTE
INTERVAL (4896)	0.24	0.0228
BioFinder (1496)	0.02	0.0407
EGCUT (487)	0.06	0.0665
KORA (1063)	0.02	0.0489
NSPHS (866)	-0.03	0.0507
ORCADES (982)	0.06	0.0514
STABILITY (2951)	0.09	0.0285
STANLEY (344)	0.08	0.0830
STANLEY (300)	0.17	0.0874
VIS (902)	0.08	0.0538

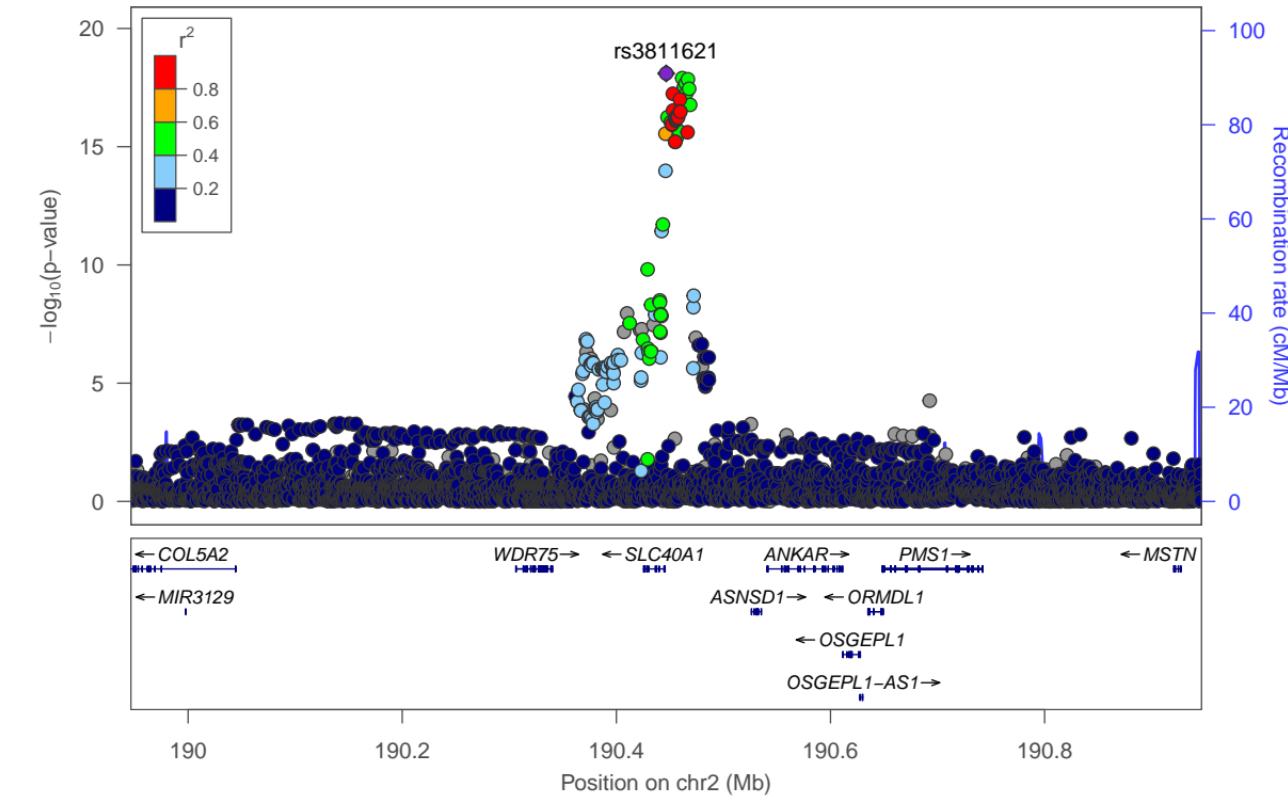
Fixed effect model
Random effects model

Heterogeneity: $I^2 = 82\%$, $\tau^2 = 0.0085$, $p < 0.01$

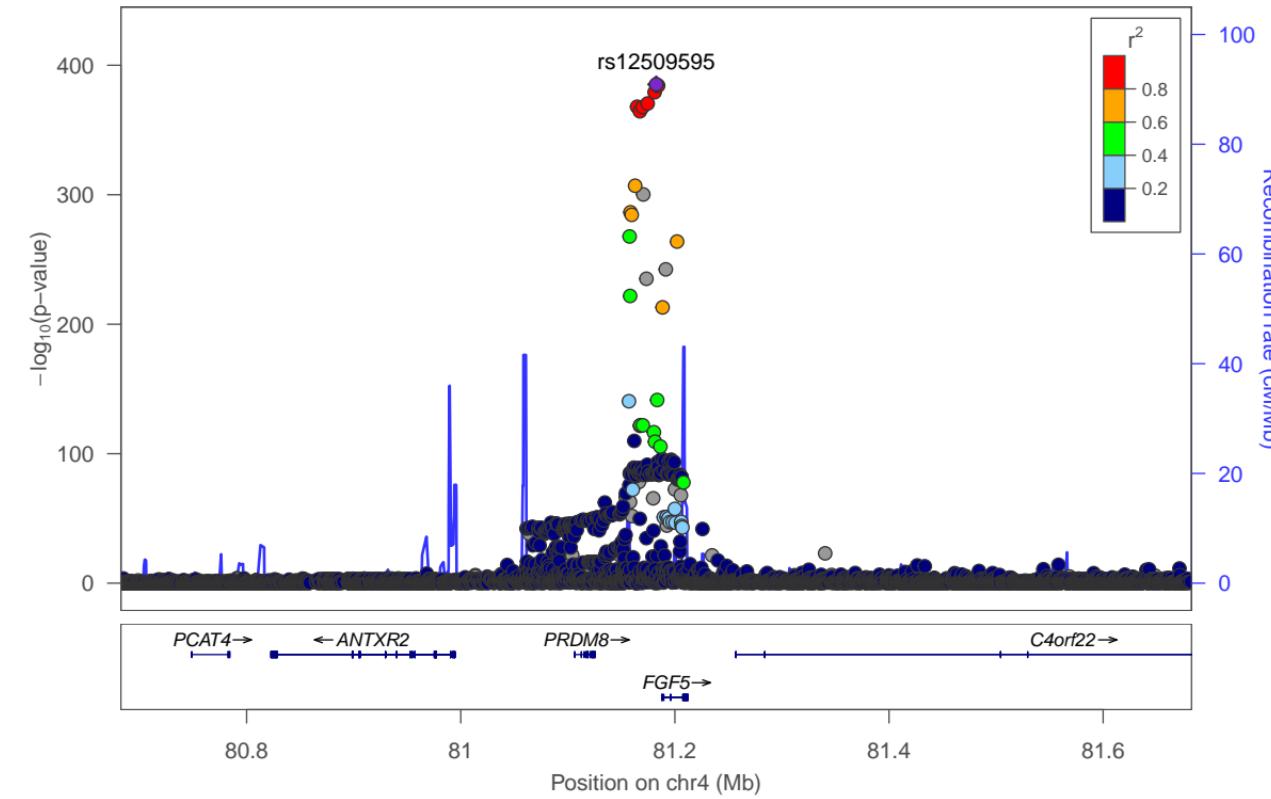
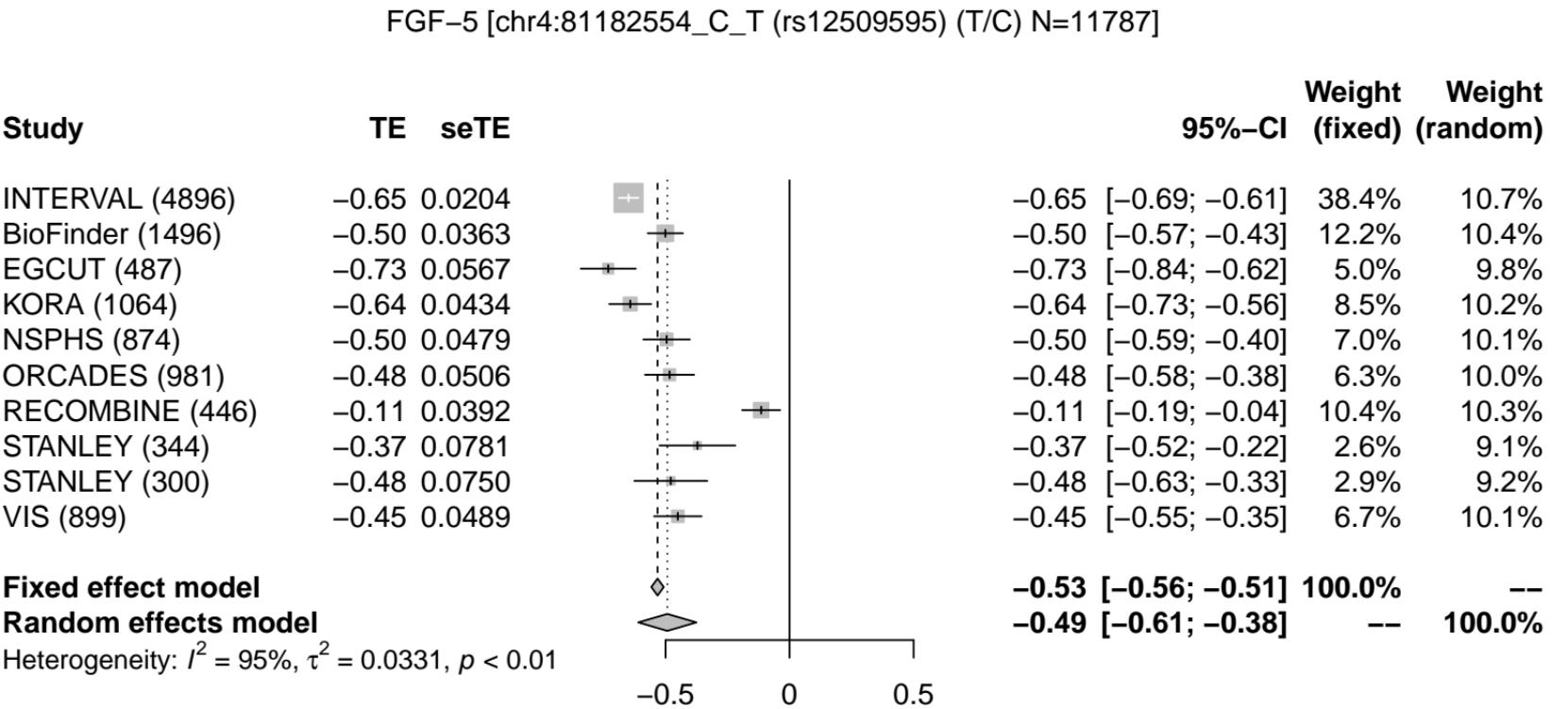


		Weight (fixed)	Weight (random)
	95%-CI		
	[0.19; 0.28]	33.3%	12.6%
	[-0.06; 0.10]	10.4%	11.2%
	[-0.07; 0.19]	3.9%	8.8%
	[-0.07; 0.12]	7.2%	10.4%
	[-0.13; 0.07]	6.7%	10.3%
	[-0.04; 0.16]	6.5%	10.2%
	[0.04; 0.15]	21.2%	12.2%
	[-0.09; 0.24]	2.5%	7.4%
	[0.00; 0.34]	2.3%	7.0%
	[-0.02; 0.19]	6.0%	10.0%
	0.12 [0.09; 0.14]	100.0%	--
	0.08 [0.01; 0.15]	--	100.0%

FGF-23 (FGF23)-rs3811621



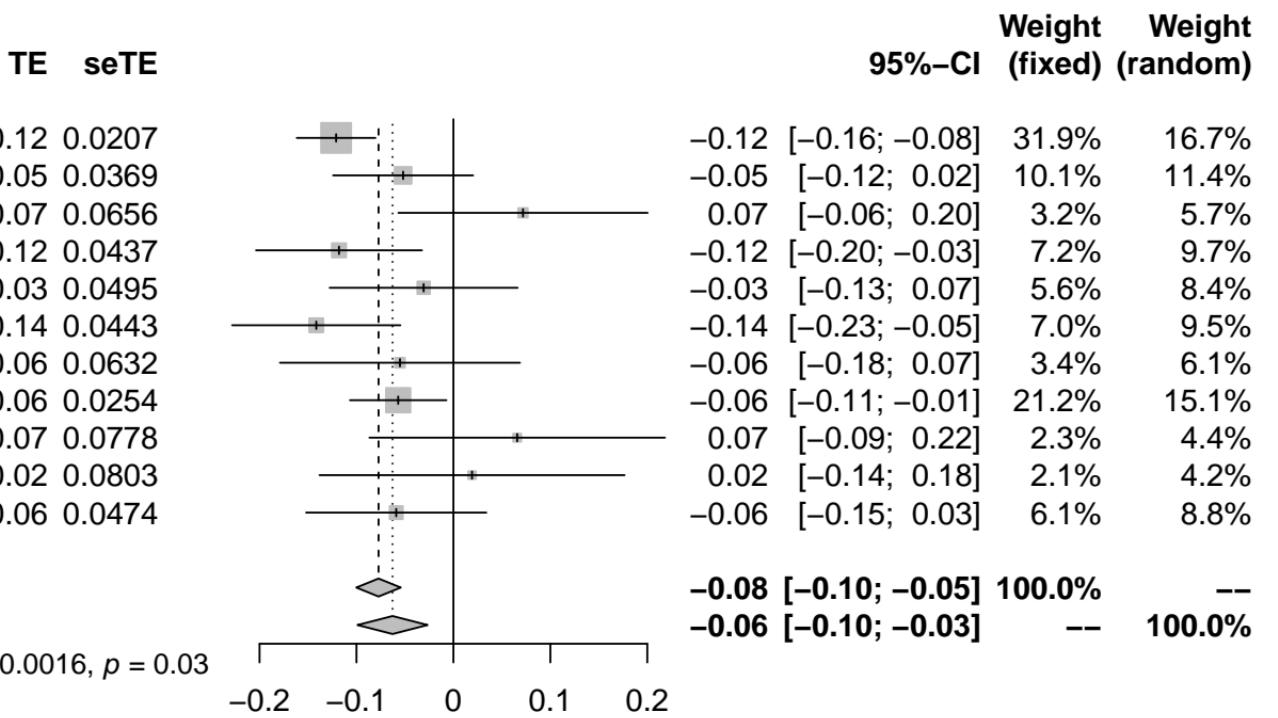
FGF-5 (FGF5)-rs12509595



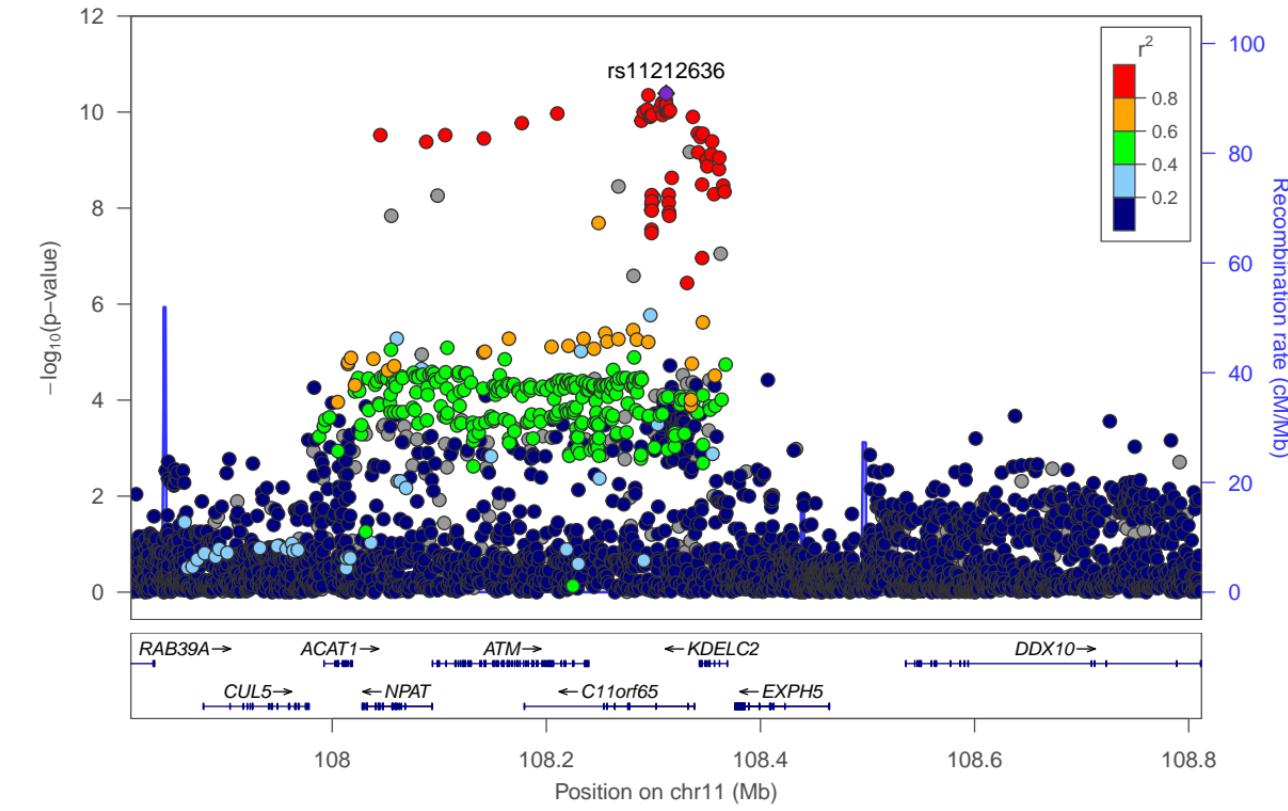
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (438)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

Flt3L [chr11:108311965_A_G (rs11212636) (A/G) N=14724]



Flt3L (FLT3LG)-rs11212636



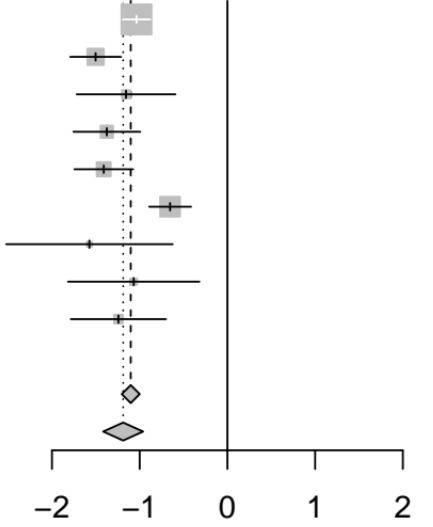
Study

INTERVAL (4896)
BioFinder (1496)
KORA (1064)
NSPHS (866)
ORCADES (981)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

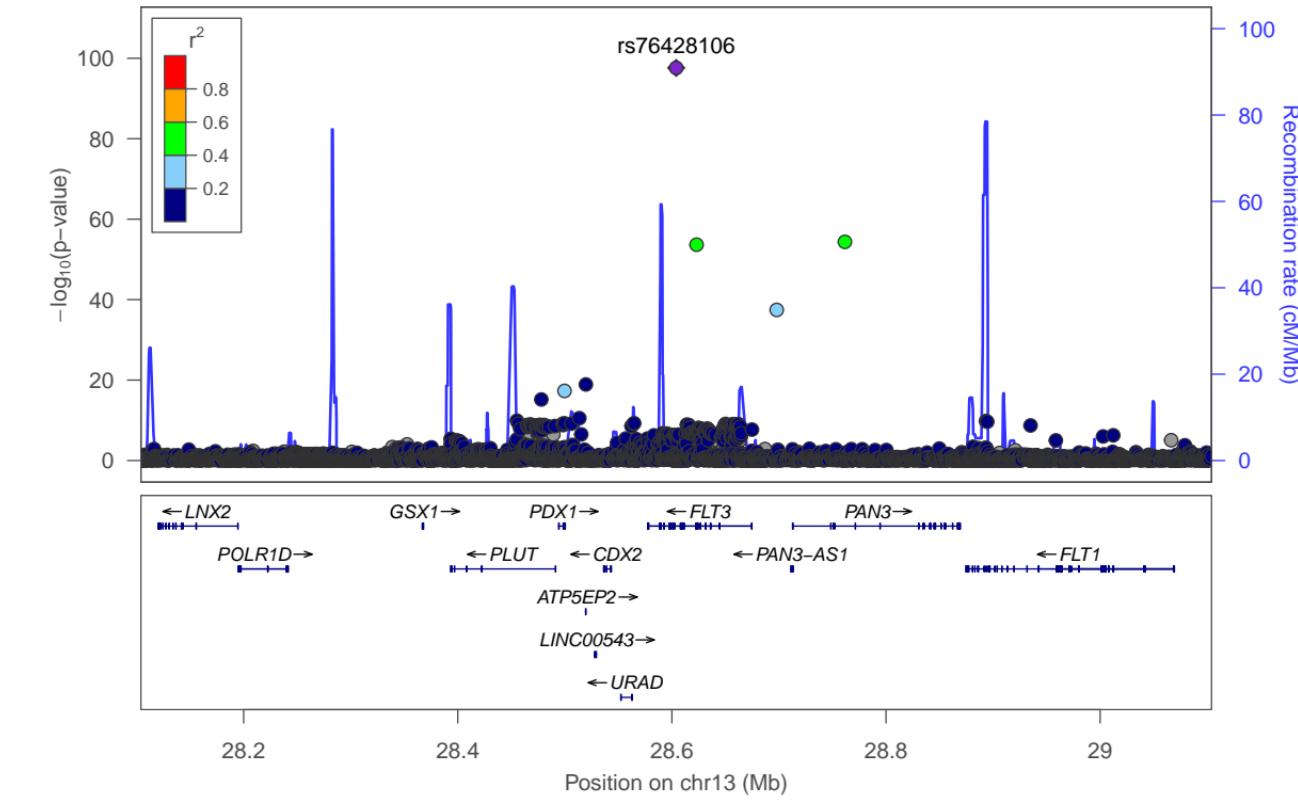
TE seTE

-1.04 0.0804
-1.50 0.1477
-1.16 0.2872
-1.37 0.1947
-1.41 0.1706
-0.65 0.1218
-1.57 0.4845
-1.07 0.3822
-1.24 0.2773

Flt3L [chr13:28604007_C_T (rs76428106) (T/C) N=13799]

Heterogeneity: $I^2 = 71\%$, $\tau^2 = 0.0729$, $p < 0.01$

95%-CI **Weight (fixed)** **Weight (random)**

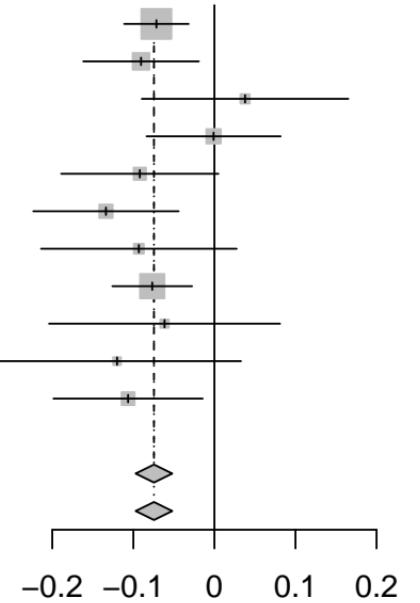
Flt3L (FLT3LG)-rs76428106

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (446)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

-0.07 0.0203
-0.09 0.0364
0.04 0.0650
-0.00 0.0422
-0.09 0.0495
-0.13 0.0457
-0.09 0.0616
-0.08 0.0251
-0.06 0.0727
-0.12 0.0780
-0.11 0.0470

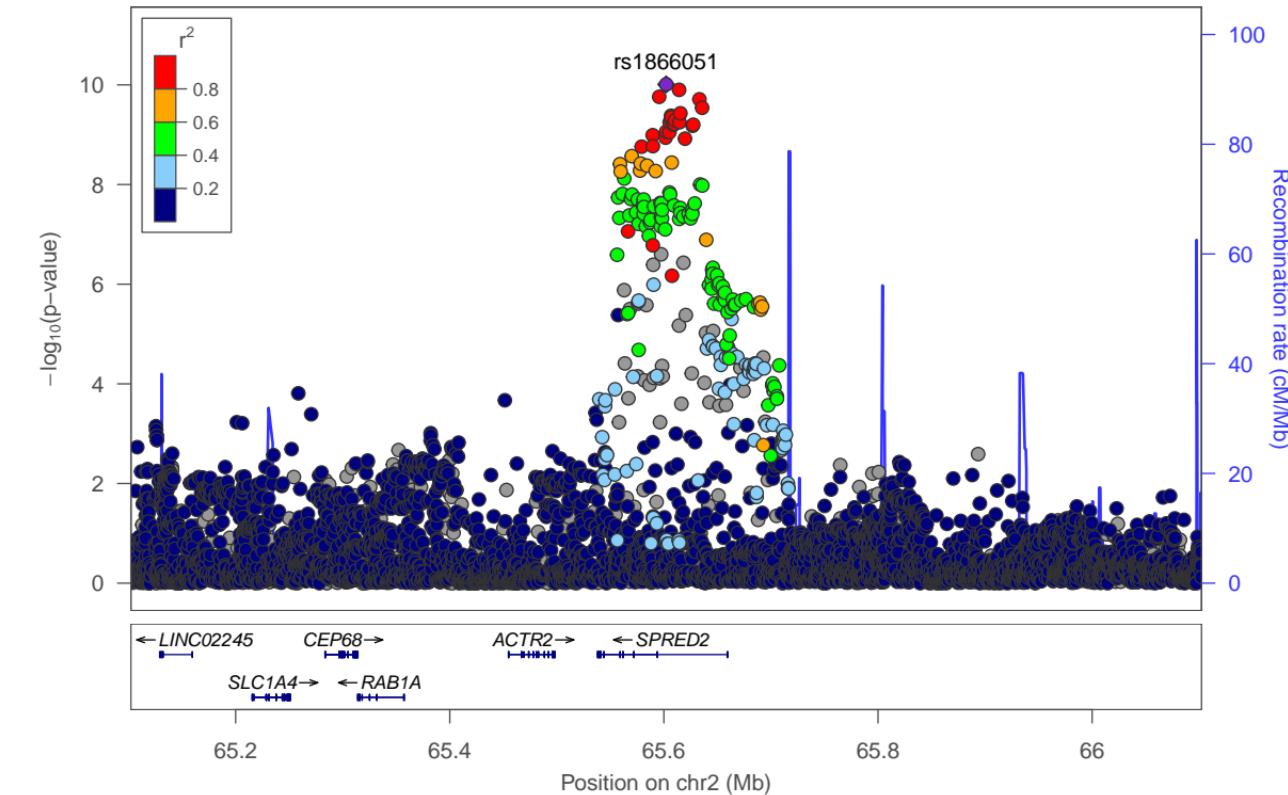


Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.54$

Weight (fixed) Weight (random)

-0.07 [-0.11; -0.03] 32.2% 32.2%
-0.09 [-0.16; -0.02] 10.0% 10.0%
0.04 [-0.09; 0.17] 3.1% 3.1%
-0.00 [-0.08; 0.08] 7.5% 7.5%
-0.09 [-0.19; 0.00] 5.4% 5.4%
-0.13 [-0.22; -0.04] 6.4% 6.4%
-0.09 [-0.21; 0.03] 3.5% 3.5%
-0.08 [-0.13; -0.03] 21.2% 21.2%
-0.06 [-0.20; 0.08] 2.5% 2.5%
-0.12 [-0.27; 0.03] 2.2% 2.2%
-0.11 [-0.20; -0.01] 6.0% 6.0%

Flt3L (FLT3LG)-rs1866051



Study

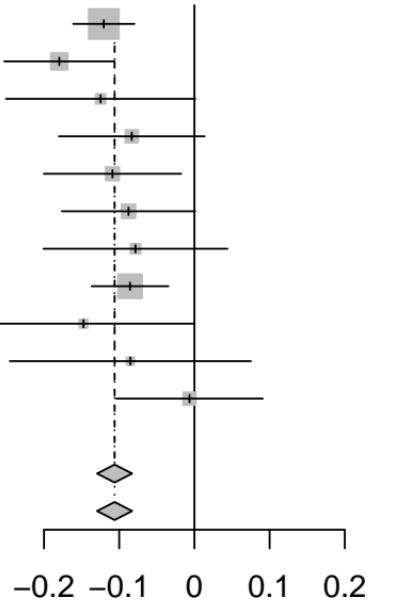
INTERVAL (4896)
 BioFinder (1496)
 EGCUT (487)
 KORA (1064)
 NSPHS (866)
 ORCADES (981)
 RECOMBINE (433)
 STABILITY (2951)
 STANLEY (344)
 STANLEY (300)
 VIS (901)

TE **seTE**

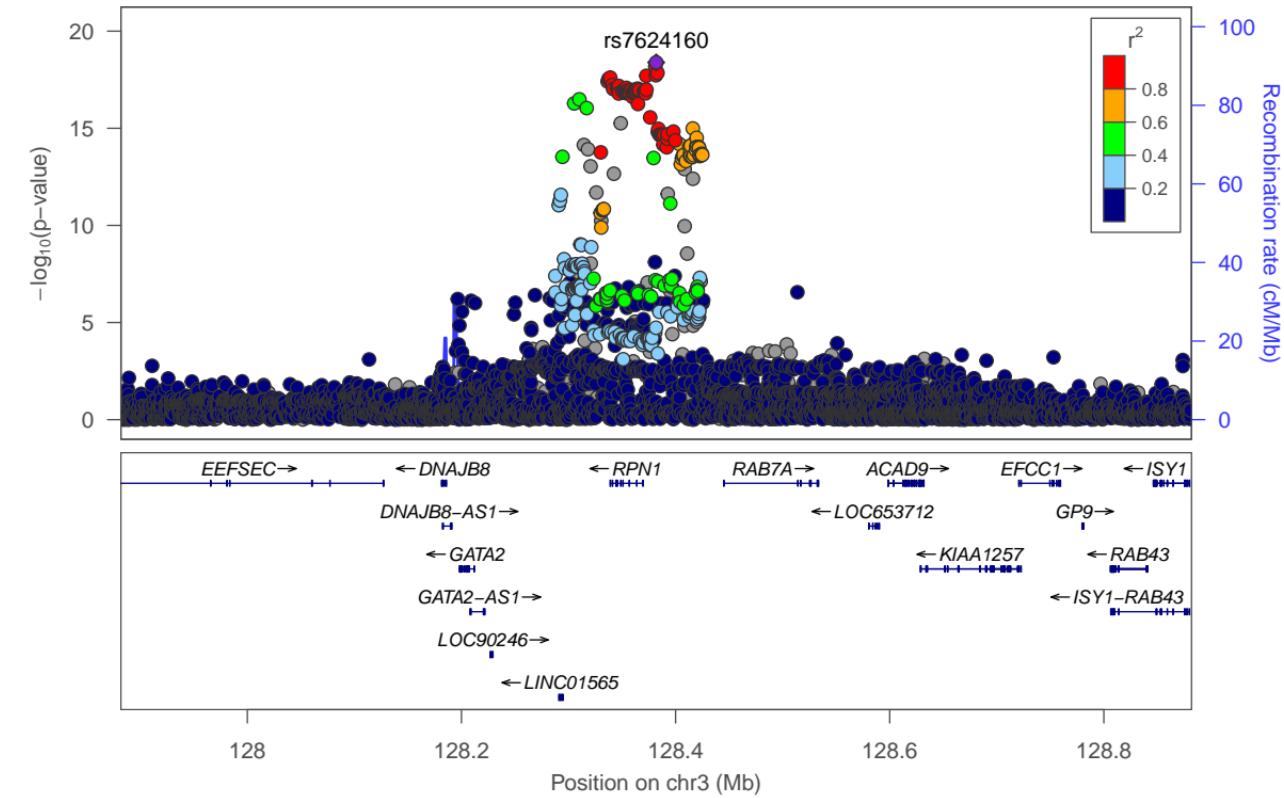
-0.12 0.0208
 -0.18 0.0374
 -0.12 0.0643
 -0.08 0.0494
 -0.11 0.0466
 -0.09 0.0453
 -0.08 0.0624
 -0.09 0.0261
 -0.15 0.0749
 -0.09 0.0818
 -0.01 0.0498

Flt3L [chr3:128381886_G_T (rs7624160) (T/G) N=14719]**Fixed effect model****Random effects model**

Heterogeneity: $I^2 = 0\%$, $\tau^2 < 0.0001$, $p = 0.44$



		95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	32.6%	32.5%
		-0.18 [-0.25; -0.11]	10.1%	10.1%
		-0.12 [-0.25; 0.00]	3.4%	3.4%
		-0.08 [-0.18; 0.01]	5.8%	5.8%
		-0.11 [-0.20; -0.02]	6.5%	6.5%
		-0.09 [-0.18; 0.00]	6.9%	6.9%
		-0.08 [-0.20; 0.04]	3.6%	3.6%
		-0.09 [-0.14; -0.03]	20.8%	20.8%
		-0.15 [-0.29; 0.00]	2.5%	2.5%
		-0.09 [-0.25; 0.08]	2.1%	2.1%
		-0.01 [-0.10; 0.09]	5.7%	5.7%
	Fixed effect model	-0.11 [-0.13; -0.08]	100.0%	--
	Random effects model	-0.11 [-0.13; -0.08]	--	100.0%

Flt3L (FLT3LG)-rs7624160

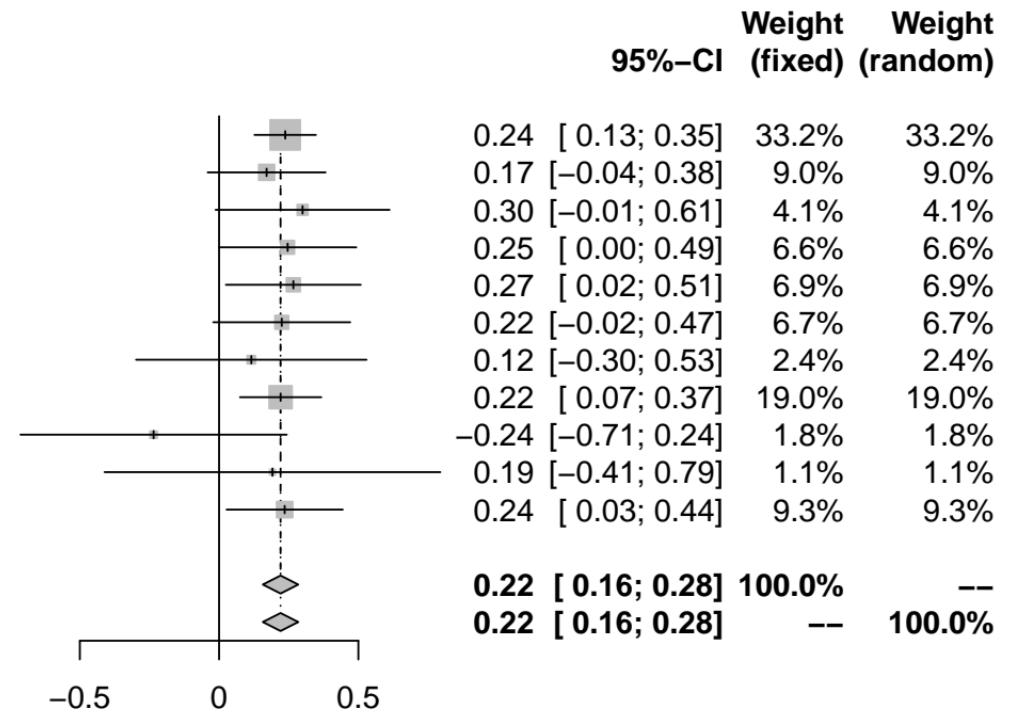
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (436)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

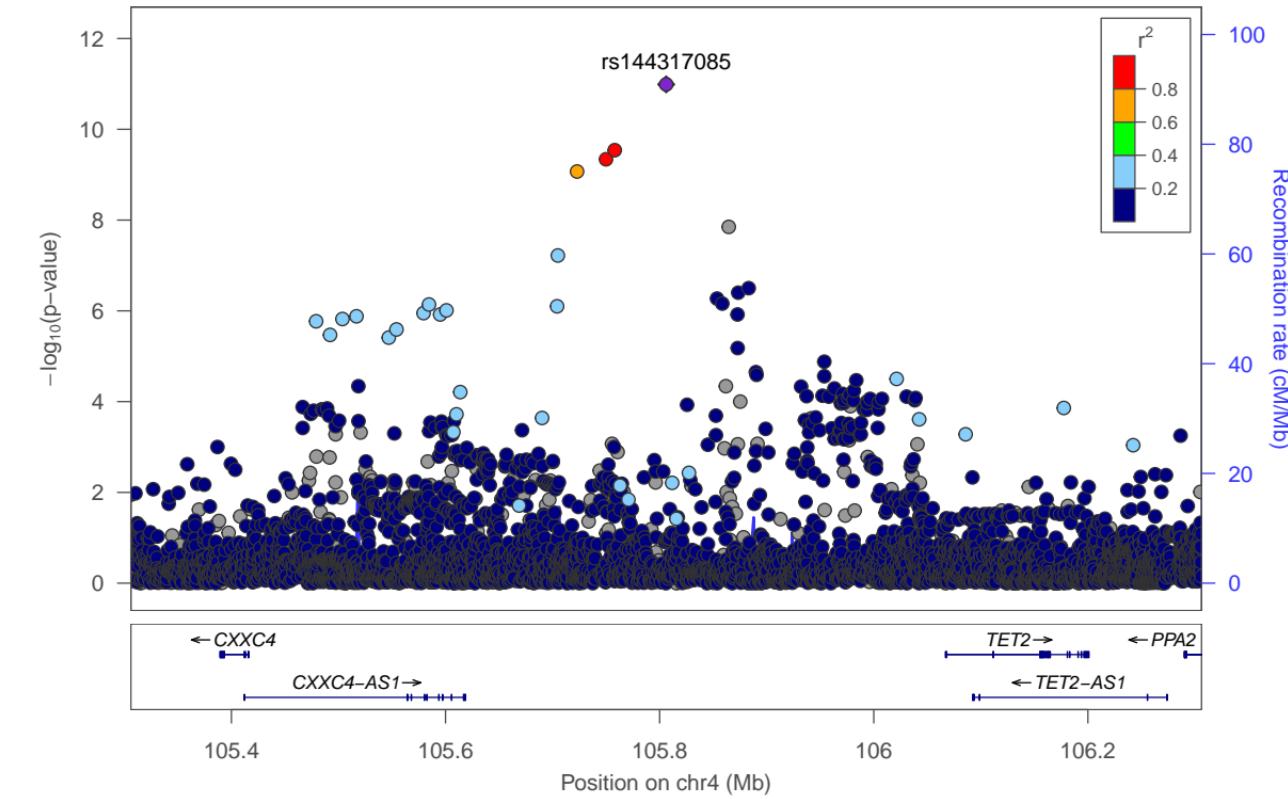
Flt3L [chr4:105806108_A_T (rs144317085) (A/T) N=14722]

TE seTE

0.24 0.0563
0.17 0.1080
0.30 0.1594
0.25 0.1259
0.27 0.1236
0.22 0.1255
0.12 0.2111
0.22 0.0745
-0.24 0.2439
0.19 0.3076
0.24 0.1065

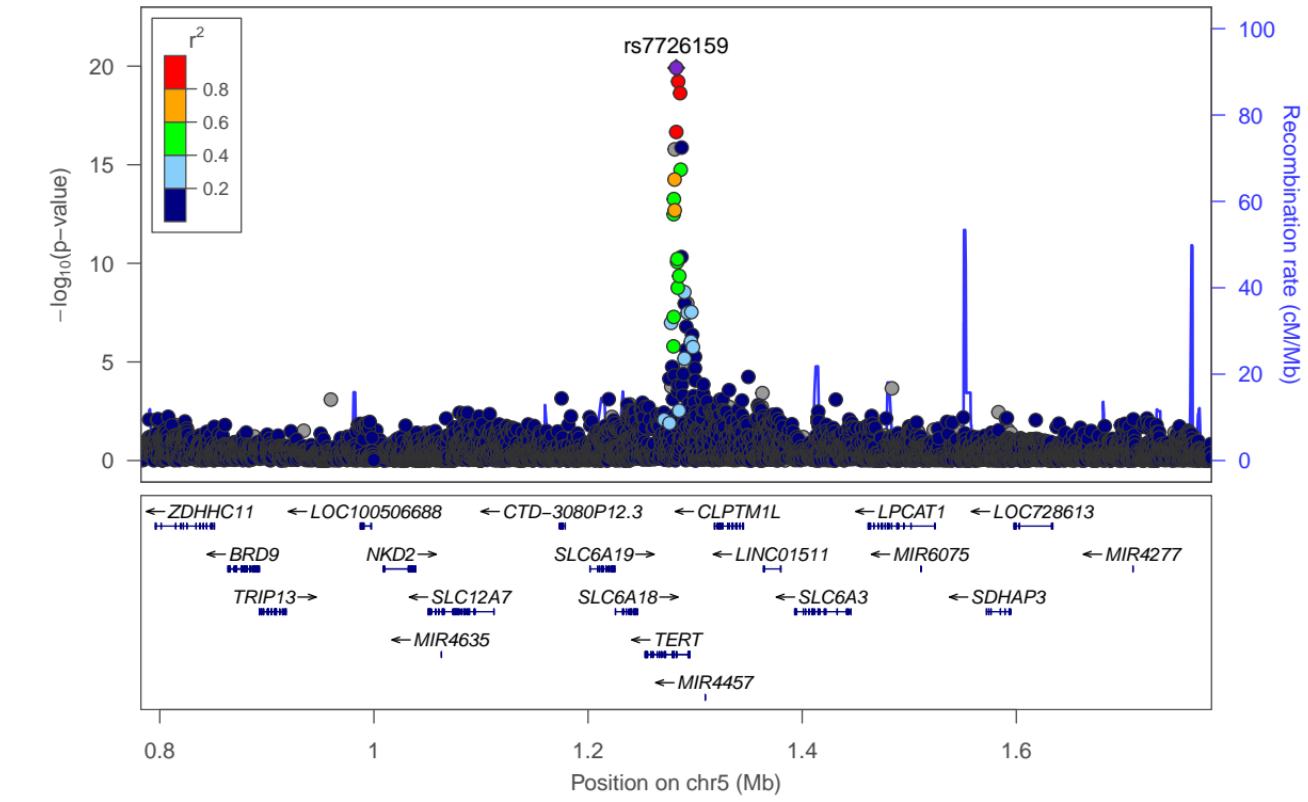
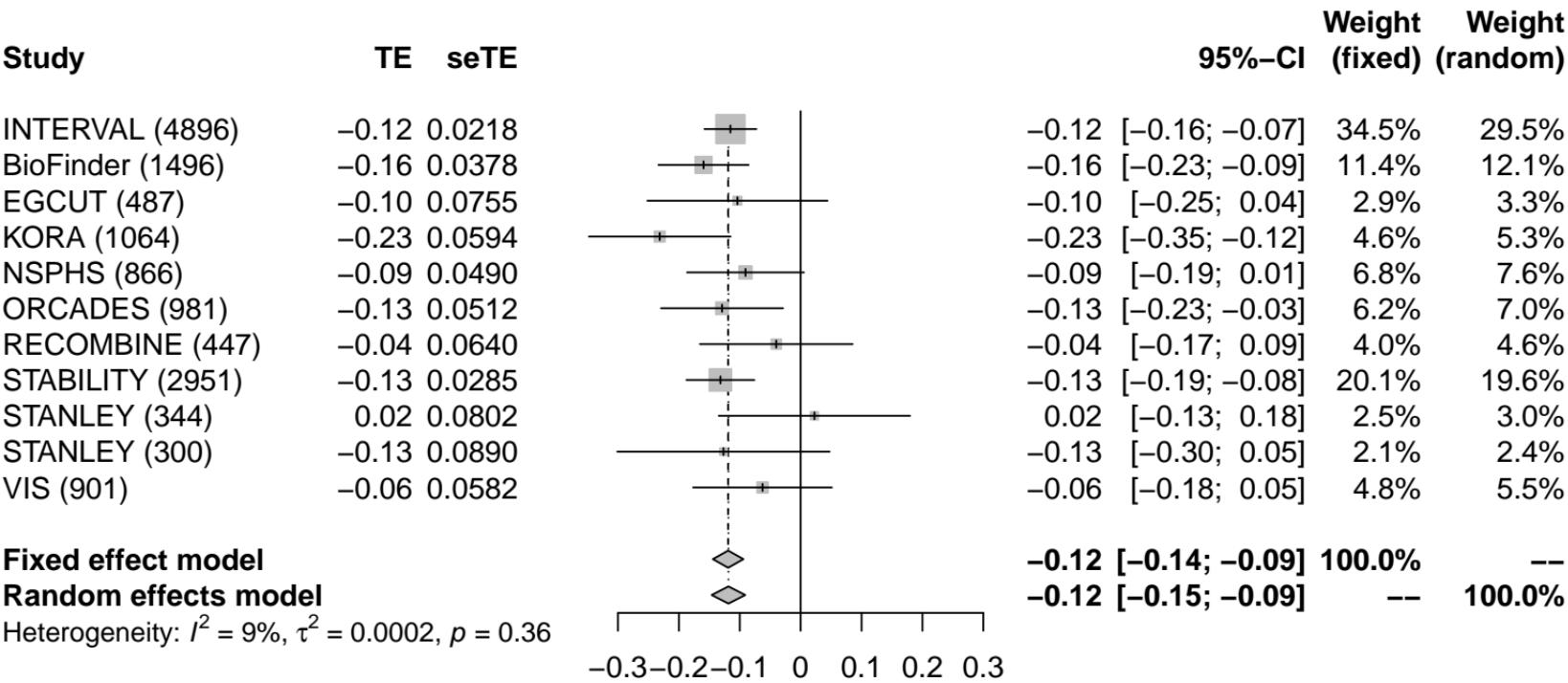
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.92$

Flt3L (FLT3LG)-rs144317085



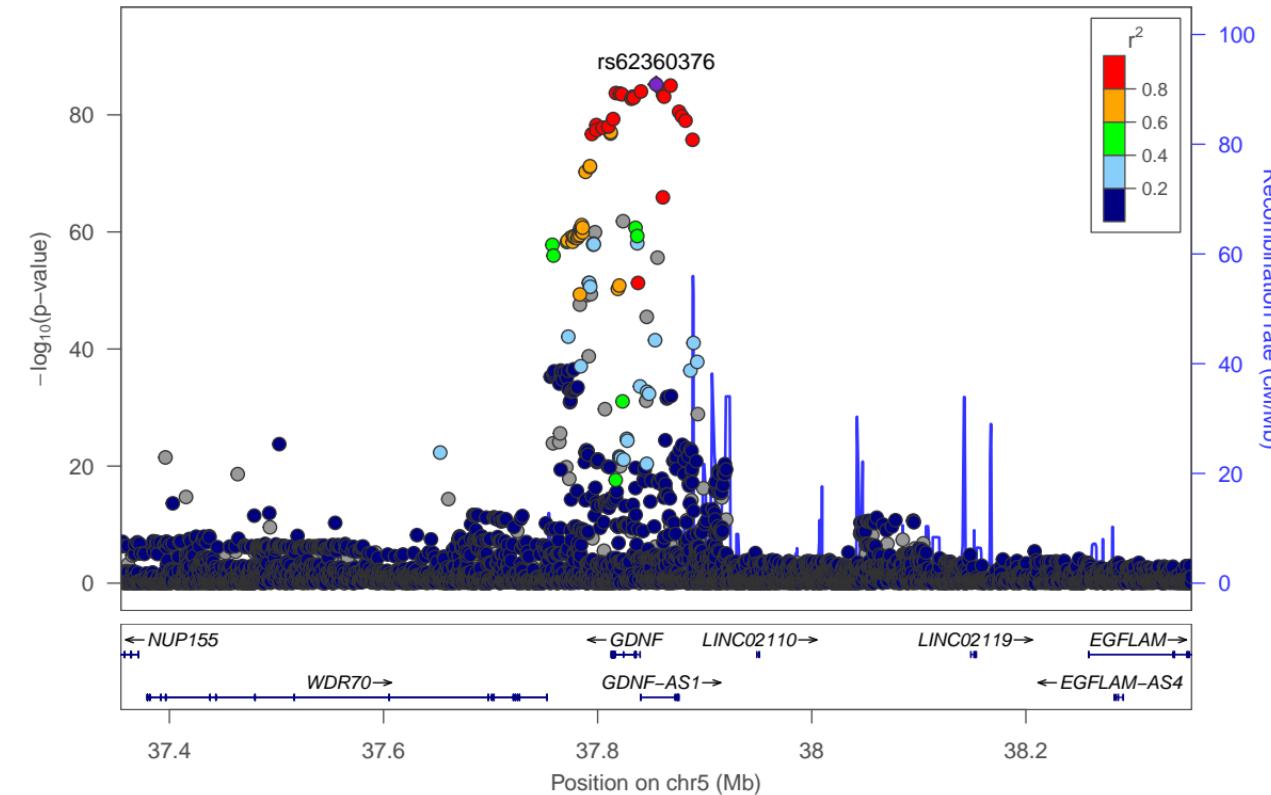
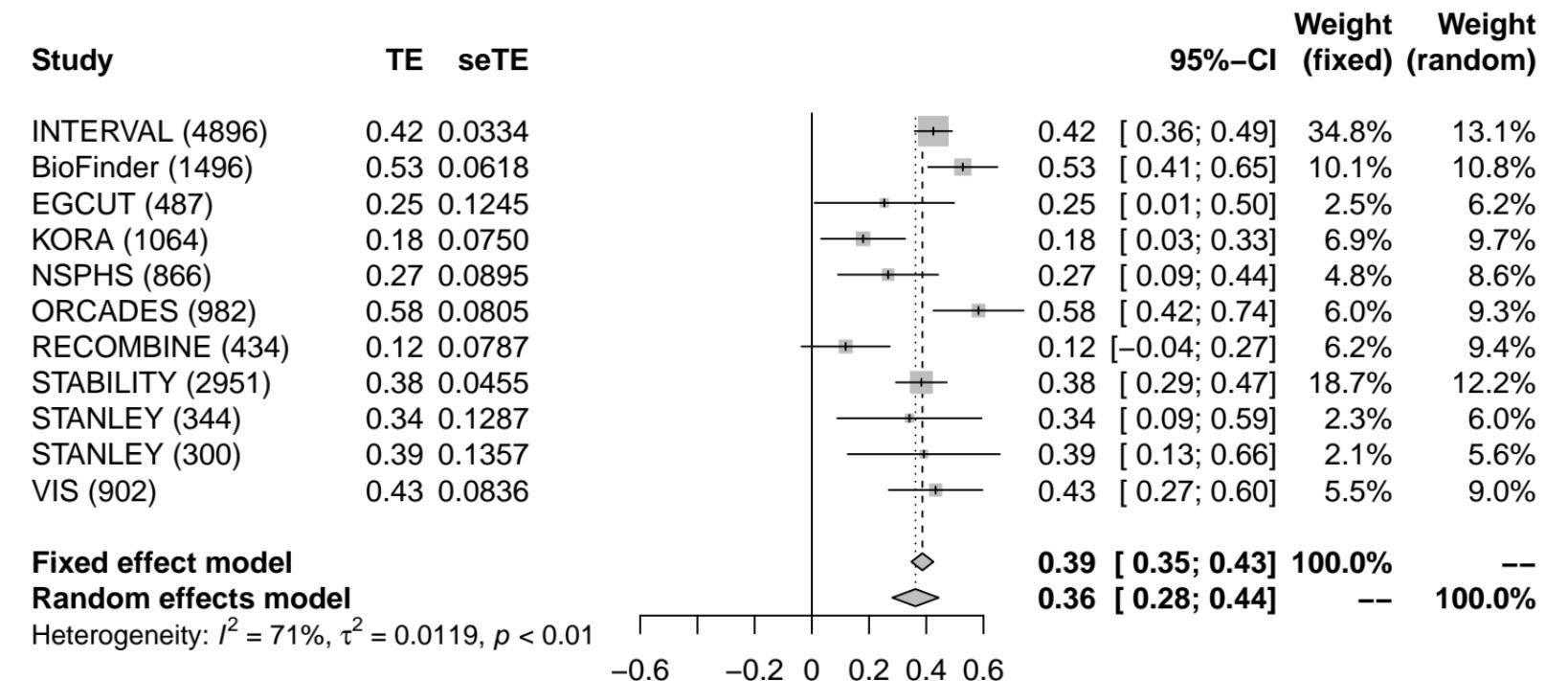
Flt3L (FLT3LG)-rs7726159

Flt3L [chr5:1282319_A_C (rs7726159) (A/C) N=14733]



hGDNF (GDNF)-rs62360376

hGDNF [chr5:37854688_A_T (rs62360376) (A/T) N=14722]



HGF [chr4:3452345_A_G (rs59950280) (A/G) N=13222]

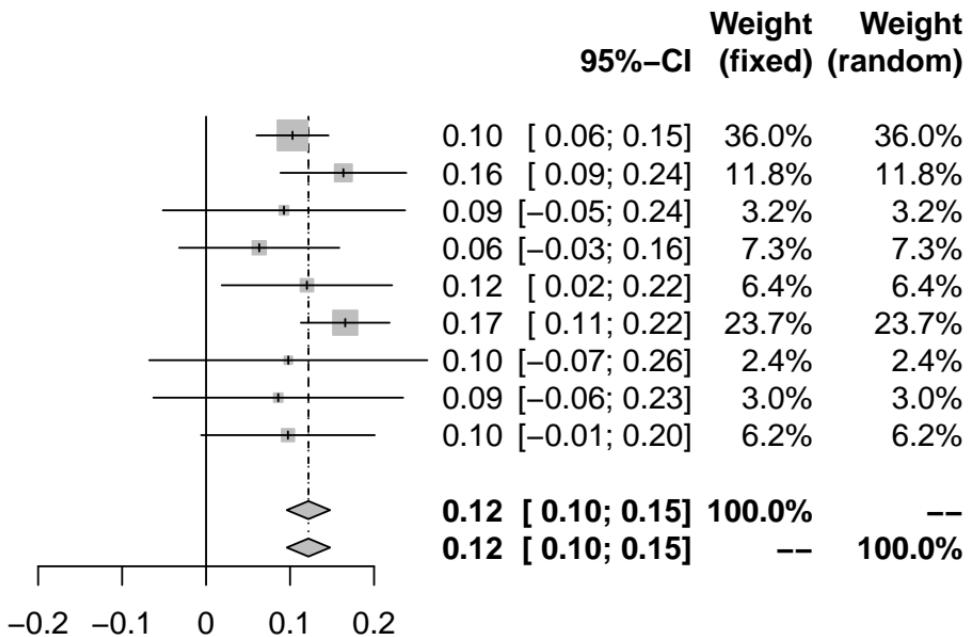
Study

	TE	seTE
INTERVAL (4896)	0.10	0.0219
BioFinder (1496)	0.16	0.0382
EGCUT (487)	0.09	0.0736
NSPHS (866)	0.06	0.0487
ORCADES (980)	0.12	0.0517
STABILITY (2951)	0.17	0.0269
STANLEY (344)	0.10	0.0845
STANLEY (300)	0.09	0.0759
VIS (902)	0.10	0.0527

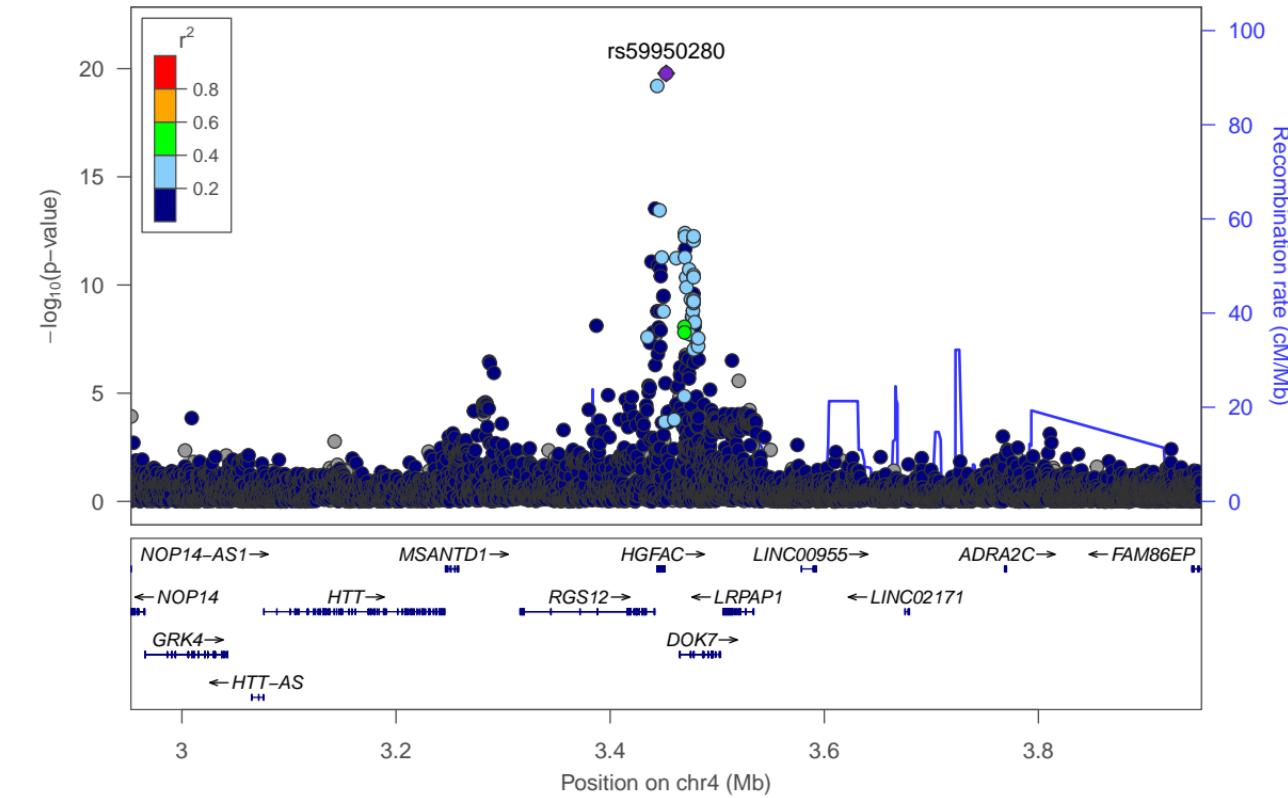
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.57$



HGF (HGF)-rs59950280

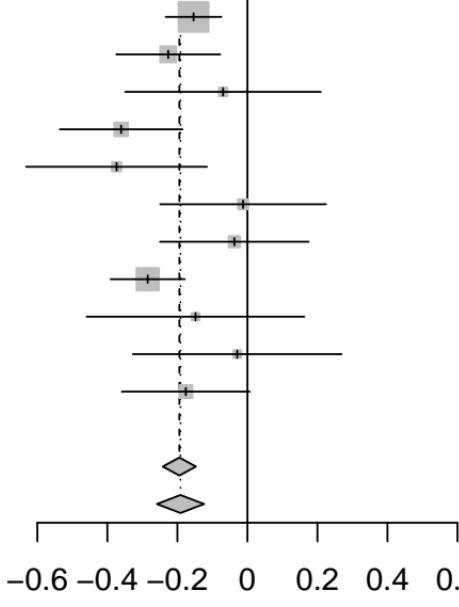


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (980)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

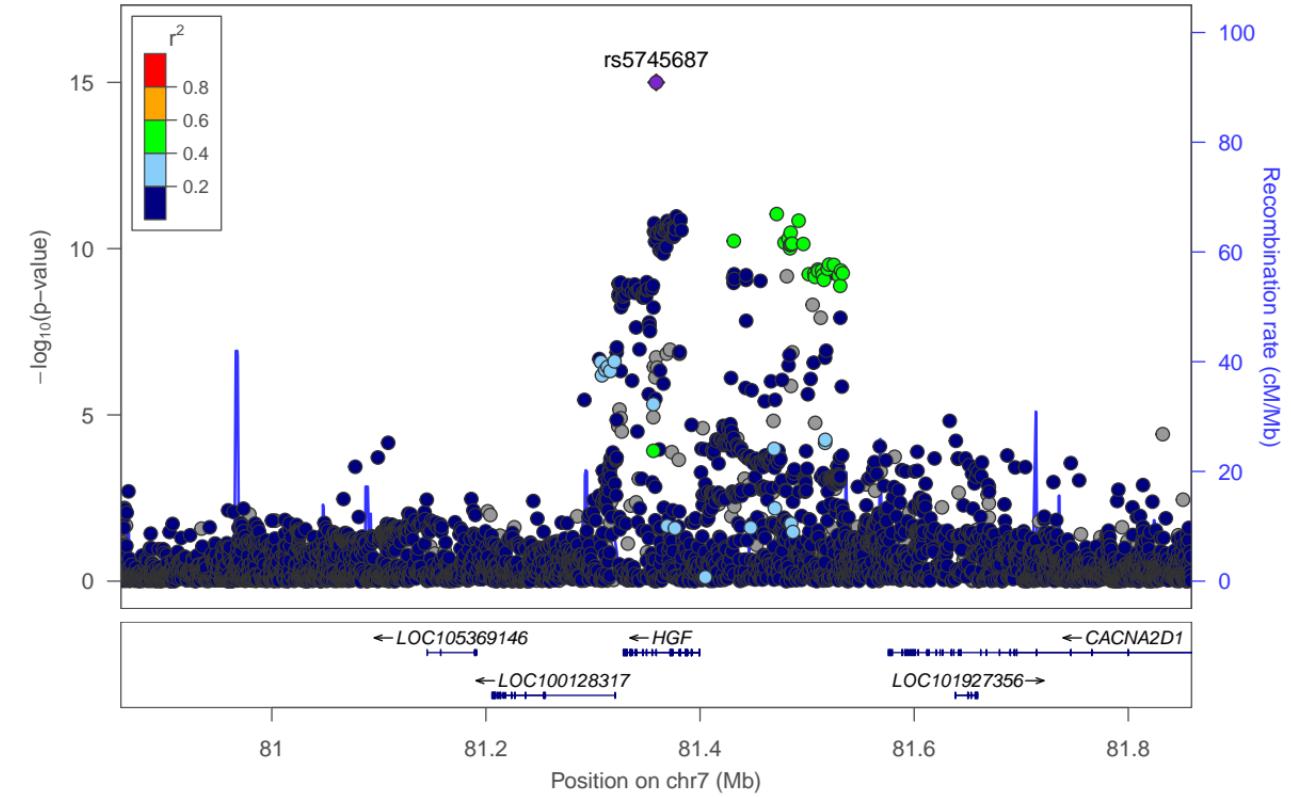
TE seTE

-0.15 0.0406
-0.23 0.0758
-0.07 0.1426
-0.36 0.0893
-0.37 0.1318
-0.01 0.1208
-0.04 0.1083
-0.28 0.0541
-0.15 0.1586
-0.03 0.1521
-0.18 0.0932



Heterogeneity: $I^2 = 36\%$, $\tau^2 = 0.0042$, $p = 0.11$

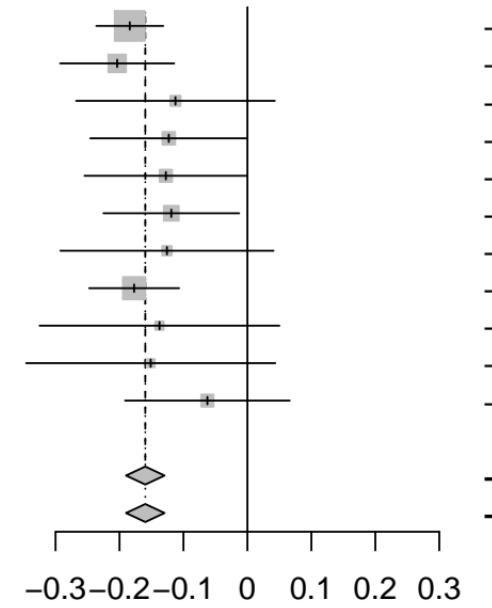
95%-CI **Weight (fixed)** **Weight (random)**



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

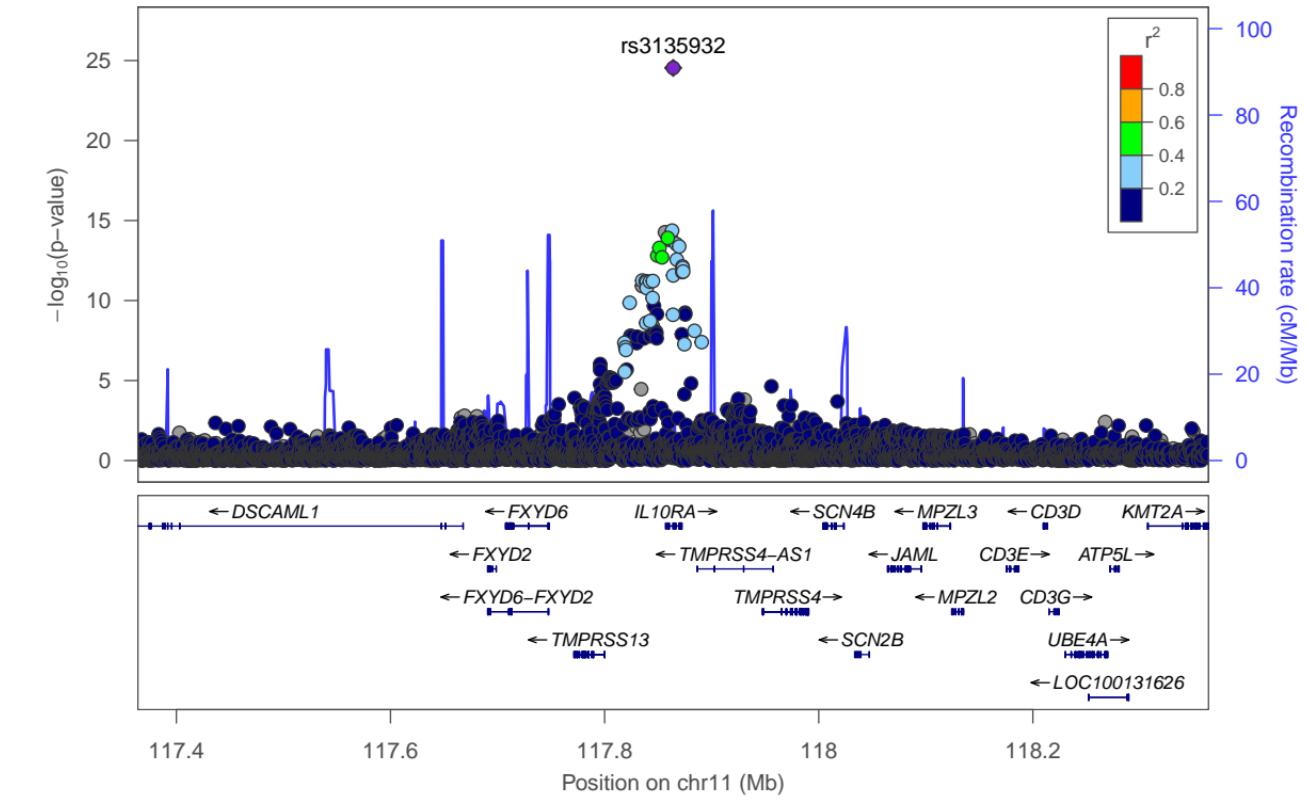
IL-10 [chr11:117864063_A_G (rs3135932) (A/G) N=14744]

TE seTE

Fixed effect model
Random effects model
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.82$

	95%-CI	Weight (fixed)	Weight (random)
TE	-0.16 [-0.19; -0.13]	100.0%	--
seTE		--	100.0%

IL-10 (IL10)-rs3135932



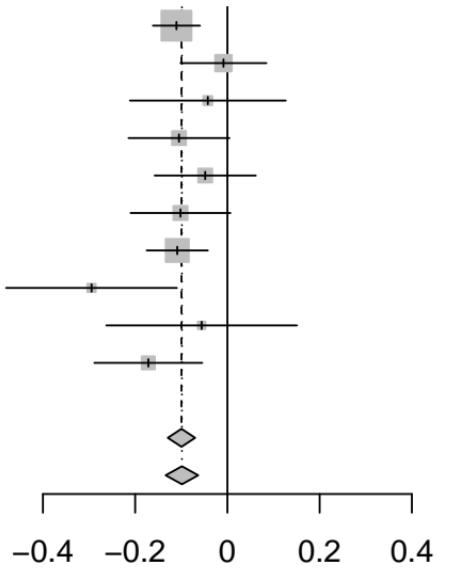
IL-10 [chr1:206954566_A_G (rs12123181) (A/G) N=14296]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

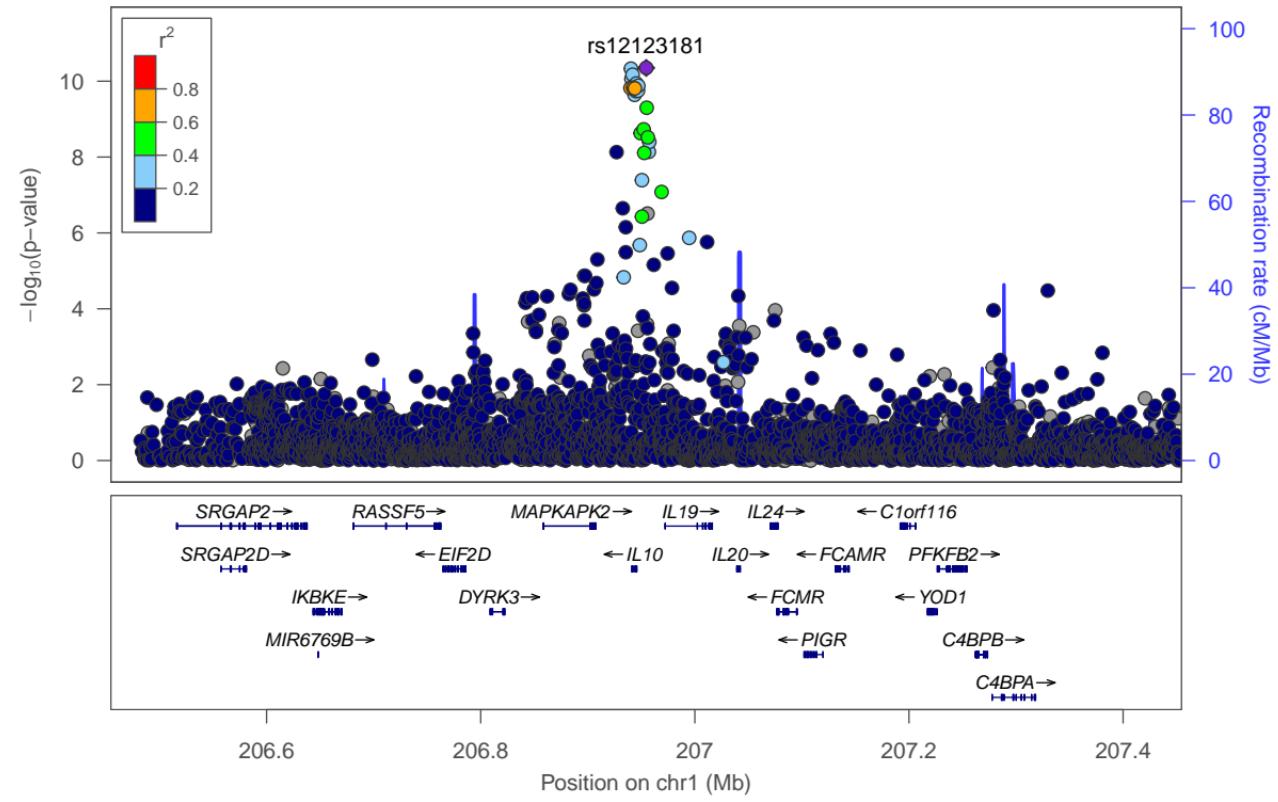
	TE	seTE
INTERVAL (4896)	-0.11	0.0261
BioFinder (1496)	-0.01	0.0475
EGCUT (487)	-0.04	0.0862
KORA (1064)	-0.10	0.0559
NSPHS (874)	-0.05	0.0560
ORCADES (982)	-0.10	0.0552
STABILITY (2951)	-0.11	0.0339
STANLEY (344)	-0.29	0.0945
STANLEY (300)	-0.06	0.1055
VIS (902)	-0.17	0.0597



	Weight (fixed)	Weight (random)
INTERVAL (4896)	33.7%	25.6%
BioFinder (1496)	10.2%	11.4%
EGCUT (487)	3.1%	4.0%
KORA (1064)	7.3%	8.7%
NSPHS (874)	7.3%	8.7%
ORCADES (982)	7.5%	8.9%
STABILITY (2951)	19.9%	18.7%
STANLEY (344)	2.6%	3.4%
STANLEY (300)	2.1%	2.8%
VIS (902)	6.4%	7.8%

Fixed effect model
Random effects model
Heterogeneity: $I^2 = 19\%$, $\tau^2 = 0.0006$, $p = 0.27$

IL-10 (IL10)-rs12123181



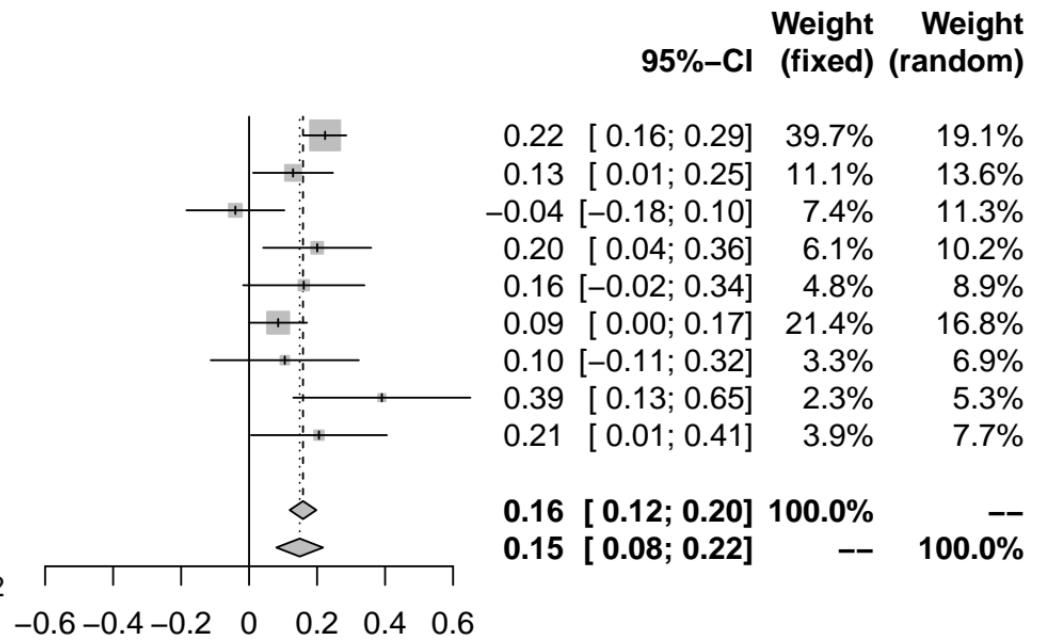
IL-10 [chr6:32434716_A_C (rs28377109) (A/C) N=13383]

Study	TE	seTE
INTERVAL (4896)	0.22	0.0318
BioFinder (1496)	0.13	0.0600
KORA (1064)	-0.04	0.0735
ORCADES (982)	0.20	0.0810
RECOMBINE (448)	0.16	0.0911
STABILITY (2951)	0.09	0.0433
STANLEY (344)	0.10	0.1111
STANLEY (300)	0.39	0.1329
VIS (902)	0.21	0.1020

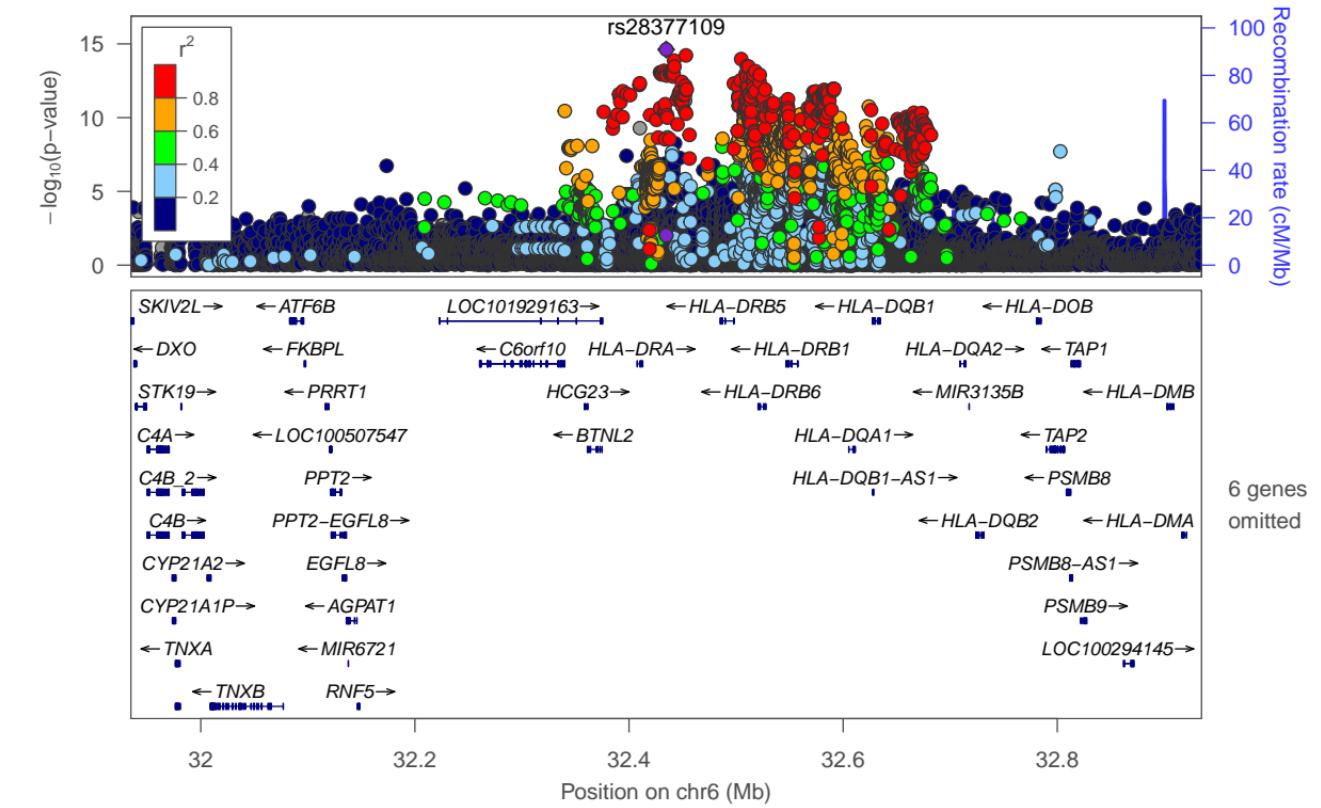
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 56\%$, $\tau^2 = 0.0054$, $p = 0.02$



IL-10 (IL10)-rs28377109



IL10RB [chr1:179682087_A_G (rs142421172) (A/G) N=12840]

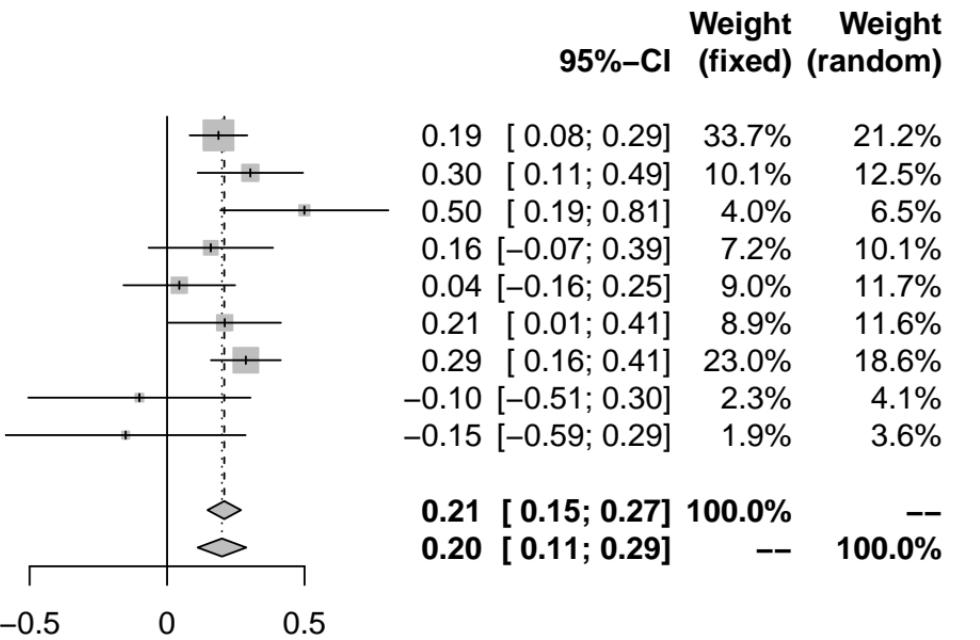
Study

	TE	seTE
INTERVAL (4896)	0.19	0.0534
BioFinder (1496)	0.30	0.0978
EGCUT (487)	0.50	0.1560
KORA (1064)	0.16	0.1155
NSPHS (866)	0.04	0.1036
RECOMBINE (436)	0.21	0.1043
STABILITY (2951)	0.29	0.0648
STANLEY (344)	-0.10	0.2063
STANLEY (300)	-0.15	0.2226

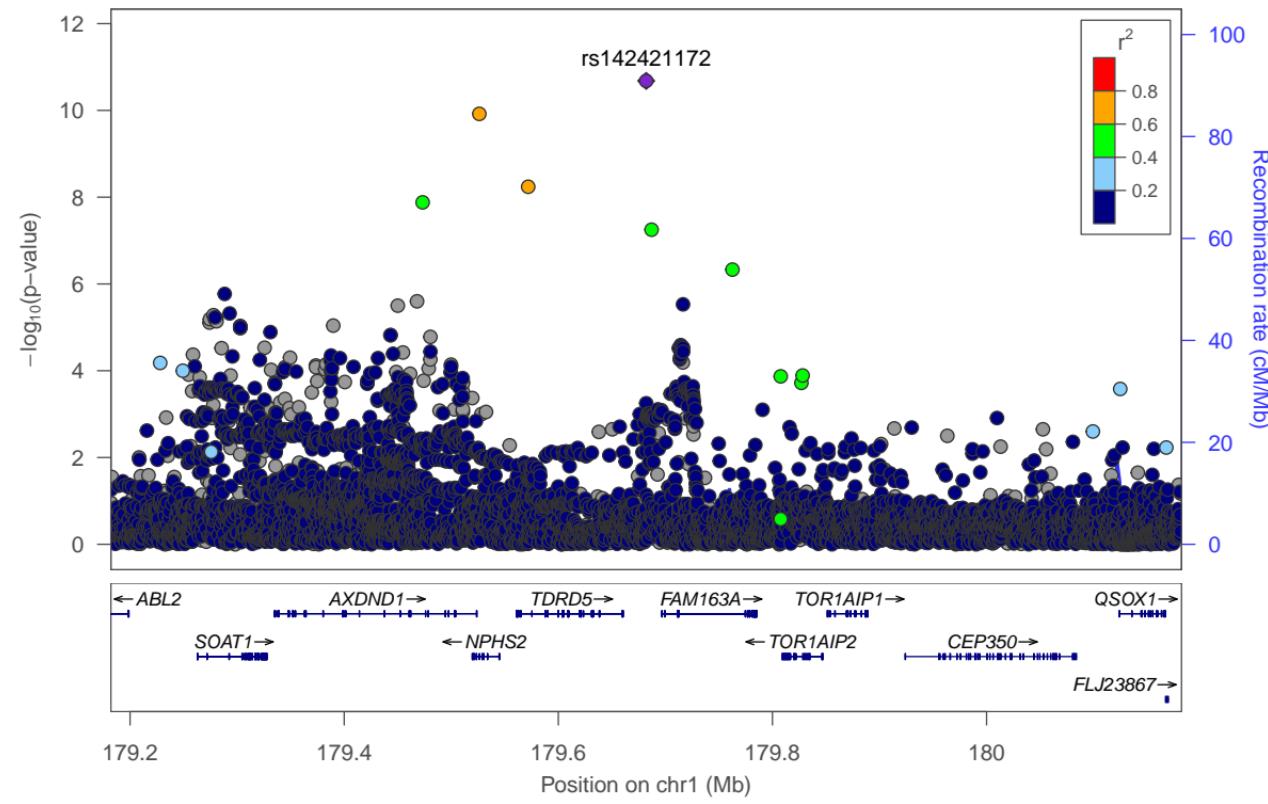
Fixed effect model

Random effects model

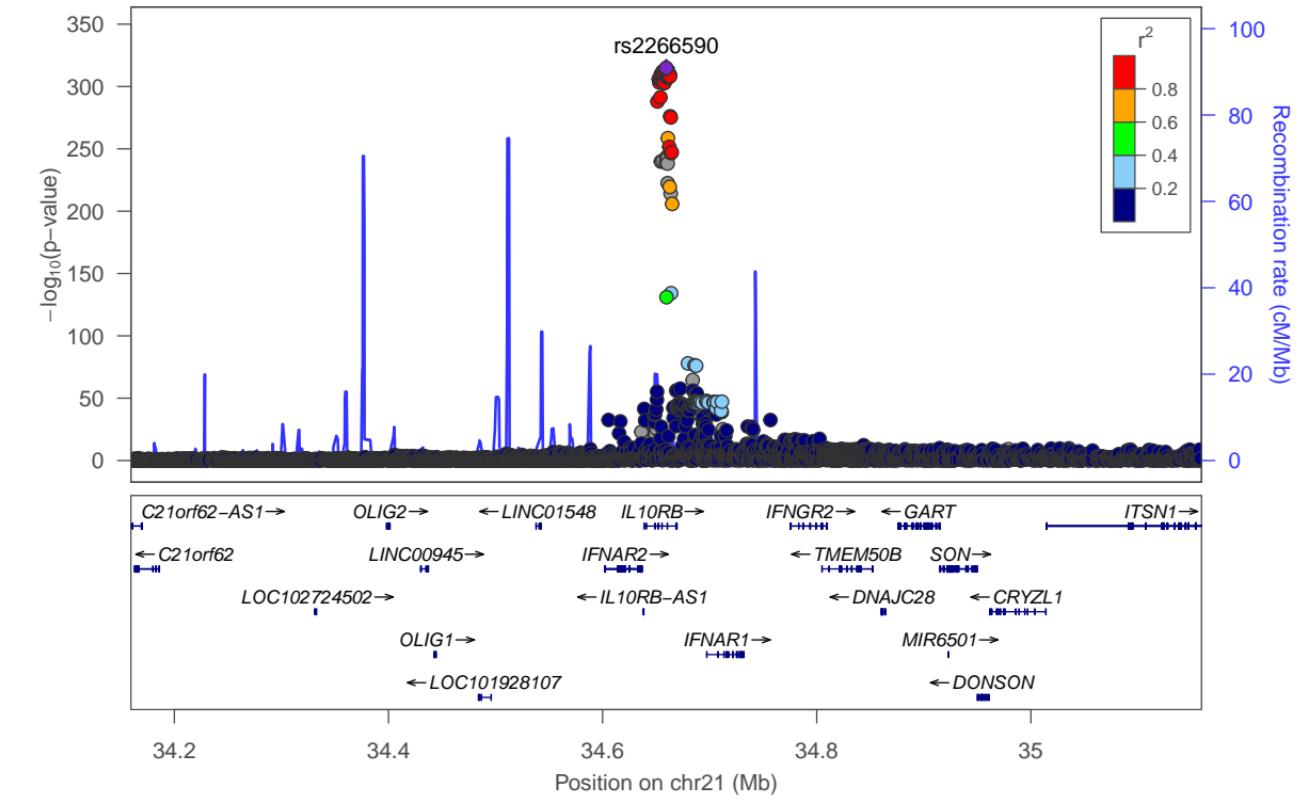
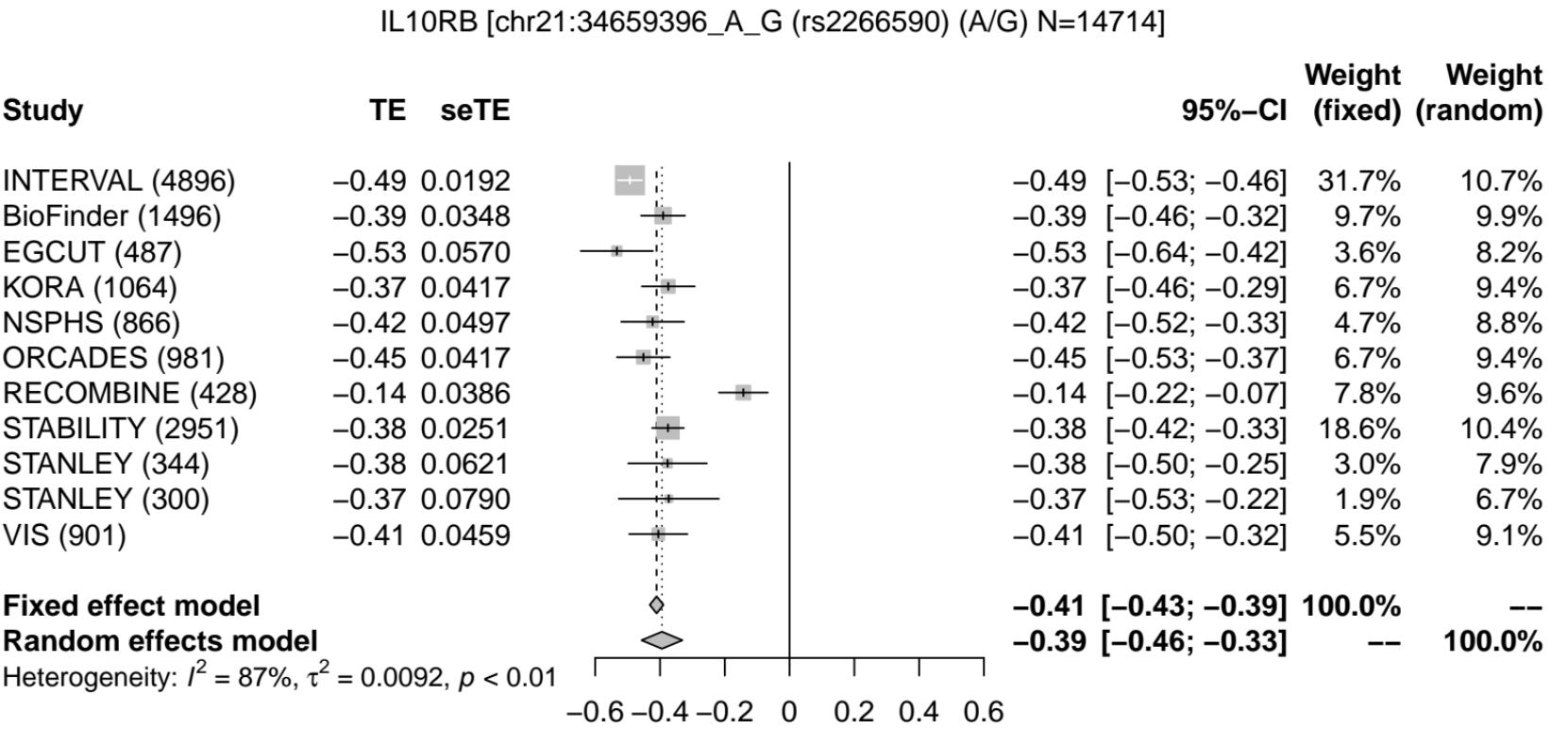
Heterogeneity: $I^2 = 41\%$, $\tau^2 = 0.0067$, $p = 0.09$



IL10RB (IL10RB)-rs142421172

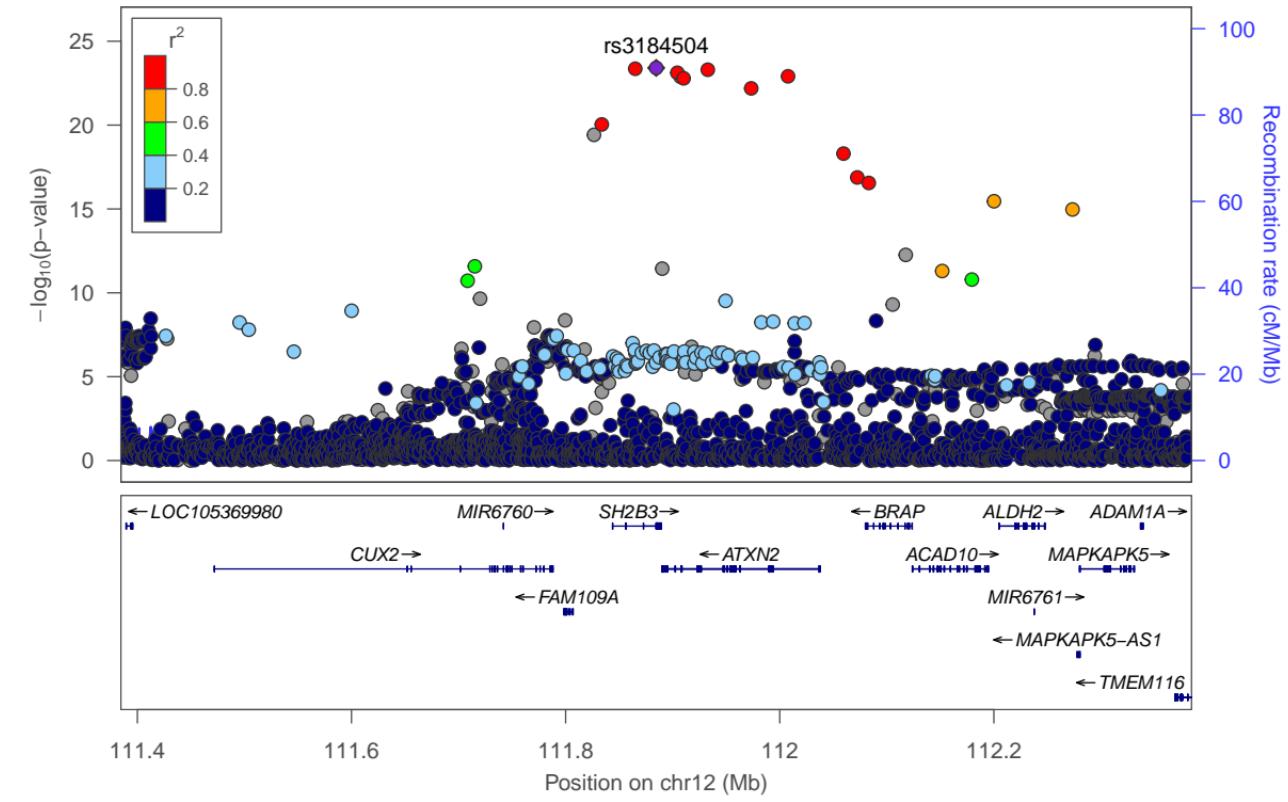
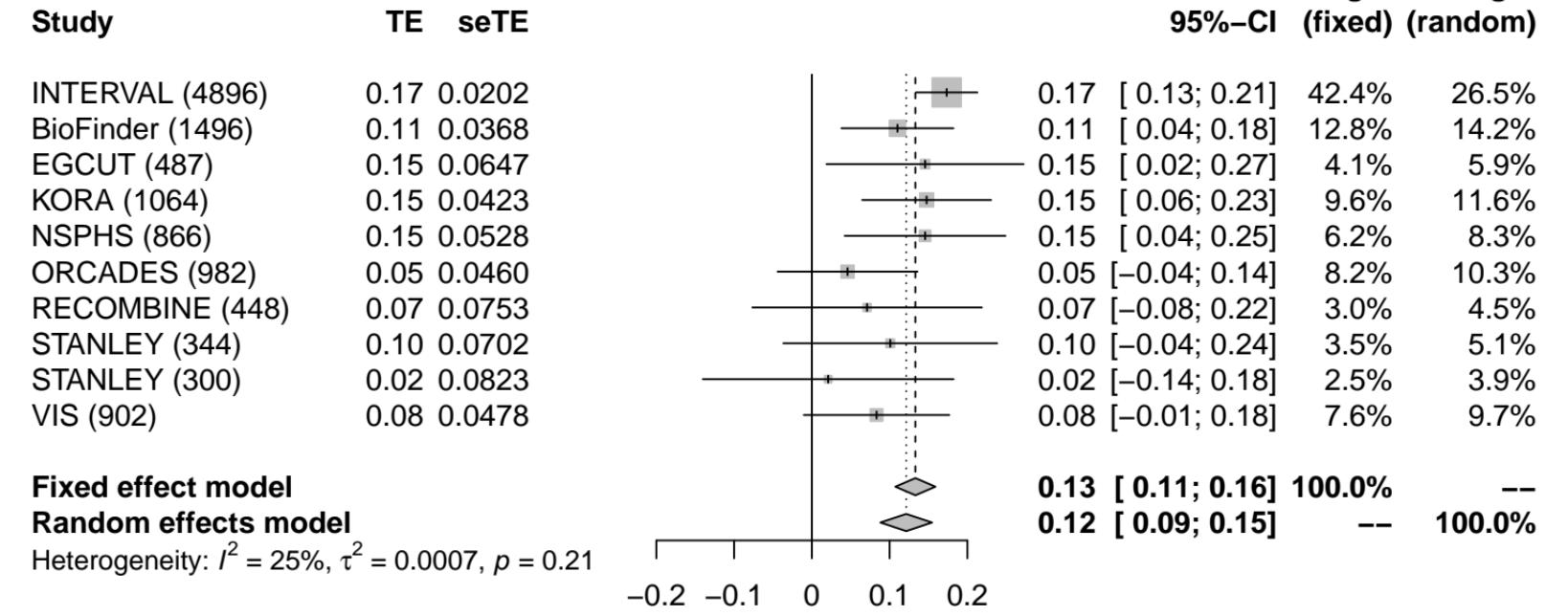


IL10RB (IL10RB)-rs2266590



IL-12B (IL12B)-rs3184504

IL-12B [chr12:111884608_C_T (rs3184504) (T/C) N=11785]



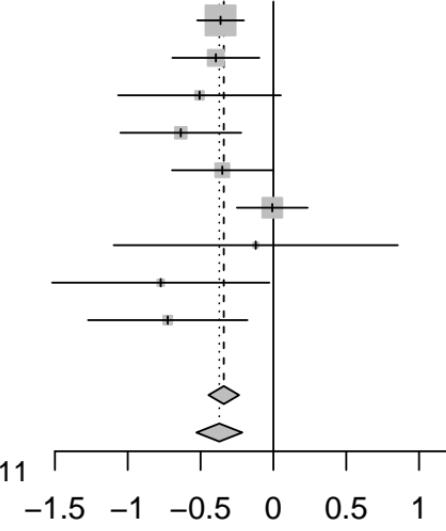
IL-12B [chr13:28604007_C_T (rs76428106) (T/C) N=13800]

Study

INTERVAL (4896)
BioFinder (1496)
KORA (1064)
NSPHS (866)
ORCADES (982)
STABILITY (2950)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

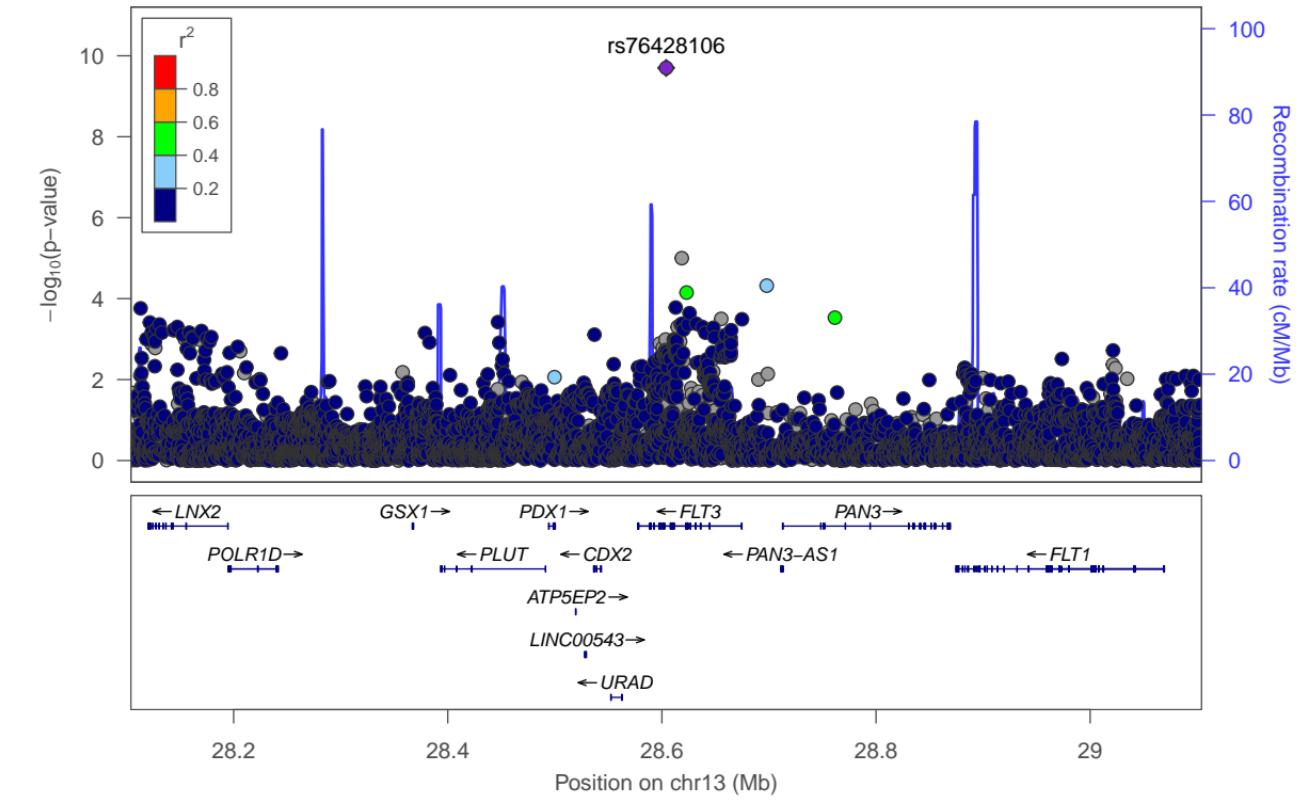
-0.36 0.0817
-0.40 0.1524
-0.51 0.2850
-0.64 0.2116
-0.35 0.1761
-0.01 0.1238
-0.12 0.4976
-0.77 0.3805
-0.73 0.2793



		95%-CI	Weight (fixed)	Weight (random)
		-0.36 [-0.52; -0.20]	43.0%	24.5%
		-0.40 [-0.69; -0.10]	12.3%	15.0%
		-0.51 [-1.07; 0.05]	3.5%	6.4%
		-0.64 [-1.05; -0.22]	6.4%	10.0%
		-0.35 [-0.70; -0.01]	9.2%	12.7%
		-0.01 [-0.25; 0.23]	18.7%	18.4%
		-0.12 [-1.10; 0.85]	1.2%	2.4%
		-0.77 [-1.52; -0.03]	2.0%	3.9%
		-0.73 [-1.27; -0.18]	3.7%	6.6%
Fixed effect model		-0.34 [-0.45; -0.24]	100.0%	--
Random effects model		-0.37 [-0.53; -0.21]	--	100.0%

Heterogeneity: $I^2 = 39\%$, $\tau^2 = 0.0196$, $p = 0.11$

IL-12B (IL12B)-rs76428106



IL-12B (IL12B)-rs12588969

IL-12B [chr14:103230758_C_G (rs12588969) (C/G) N=14287]

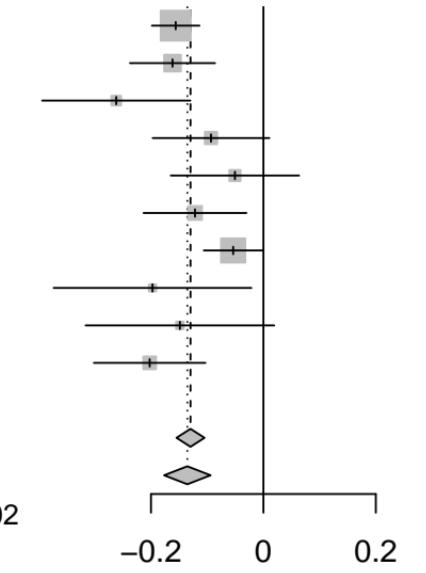
Study

Study	TE	seTE
INTERVAL (4896)	-0.16	0.0216
BioFinder (1496)	-0.16	0.0386
EGCUT (487)	-0.26	0.0673
KORA (1064)	-0.09	0.0530
NSPHS (866)	-0.05	0.0583
ORCADES (982)	-0.12	0.0467
STABILITY (2950)	-0.05	0.0267
STANLEY (344)	-0.20	0.0898
STANLEY (300)	-0.15	0.0856
VIS (902)	-0.20	0.0507

Fixed effect model Random effects model

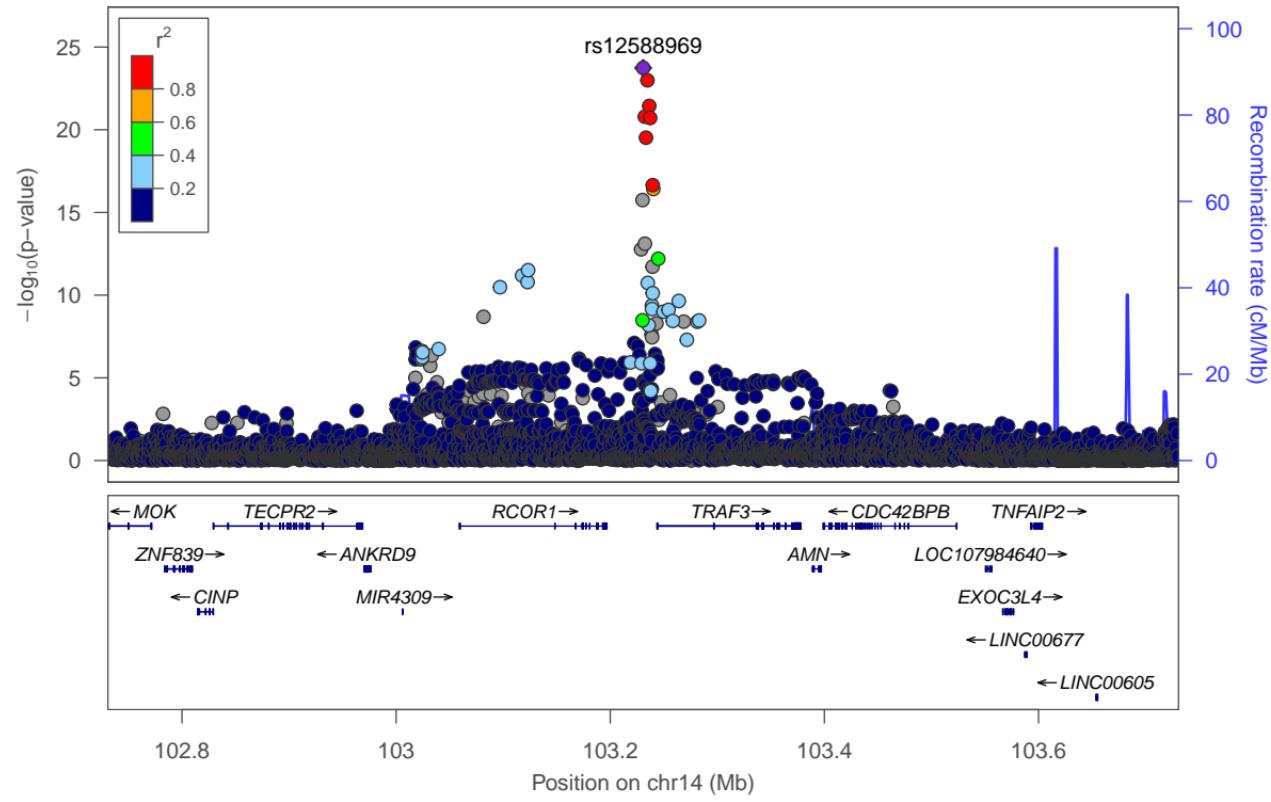
Heterogeneity: $I^2 = 53\%$, $\tau^2 = 0.0020$, $p = 0.02$

TE seTE



Weight 95%-CI (fixed) (random)

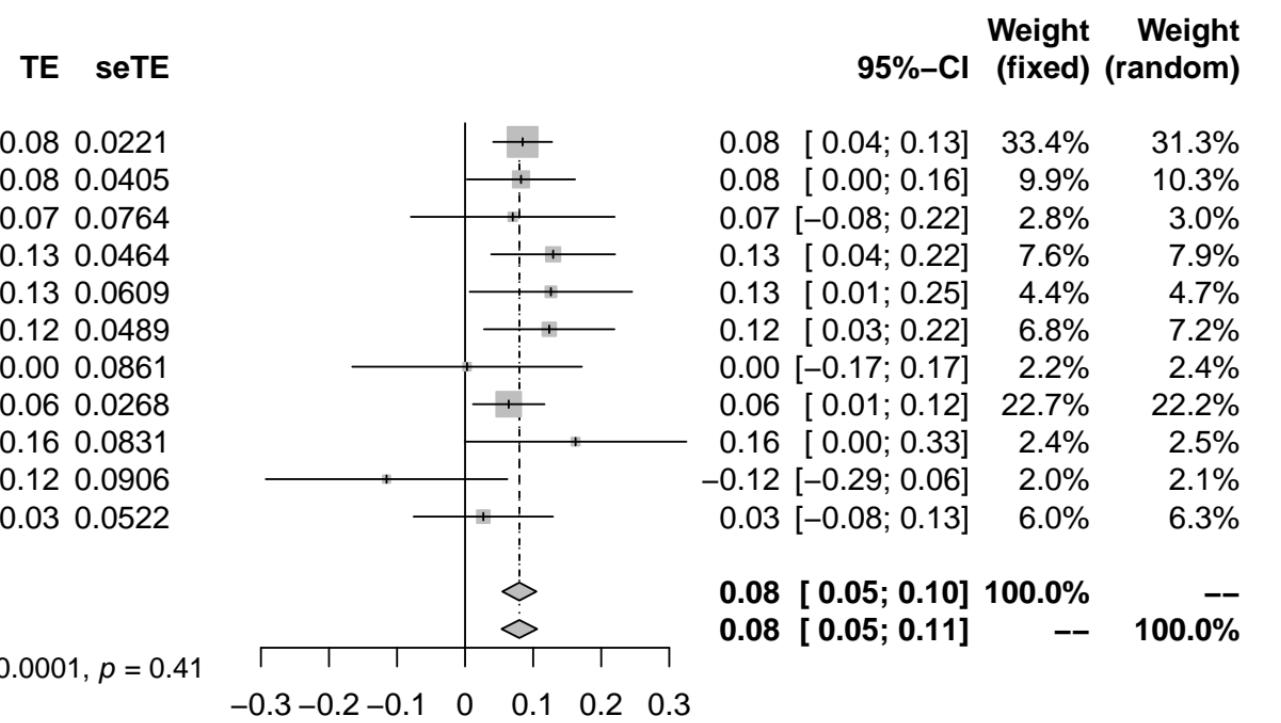
-0.16	[-0.20; -0.11]	34.6%	17.7%
-0.16	[-0.24; -0.09]	10.8%	12.6%
-0.26	[-0.39; -0.13]	3.6%	6.8%
-0.09	[-0.20; 0.01]	5.8%	9.2%
-0.05	[-0.16; 0.06]	4.8%	8.2%
-0.12	[-0.21; -0.03]	7.4%	10.5%
-0.05	[-0.11; 0.00]	22.6%	16.2%
-0.20	[-0.37; -0.02]	2.0%	4.4%
-0.15	[-0.32; 0.02]	2.2%	4.8%
-0.20	[-0.30; -0.10]	6.3%	9.7%
-0.13	[-0.15; -0.10]	100.0%	--
-0.14	[-0.18; -0.09]	--	100.0%



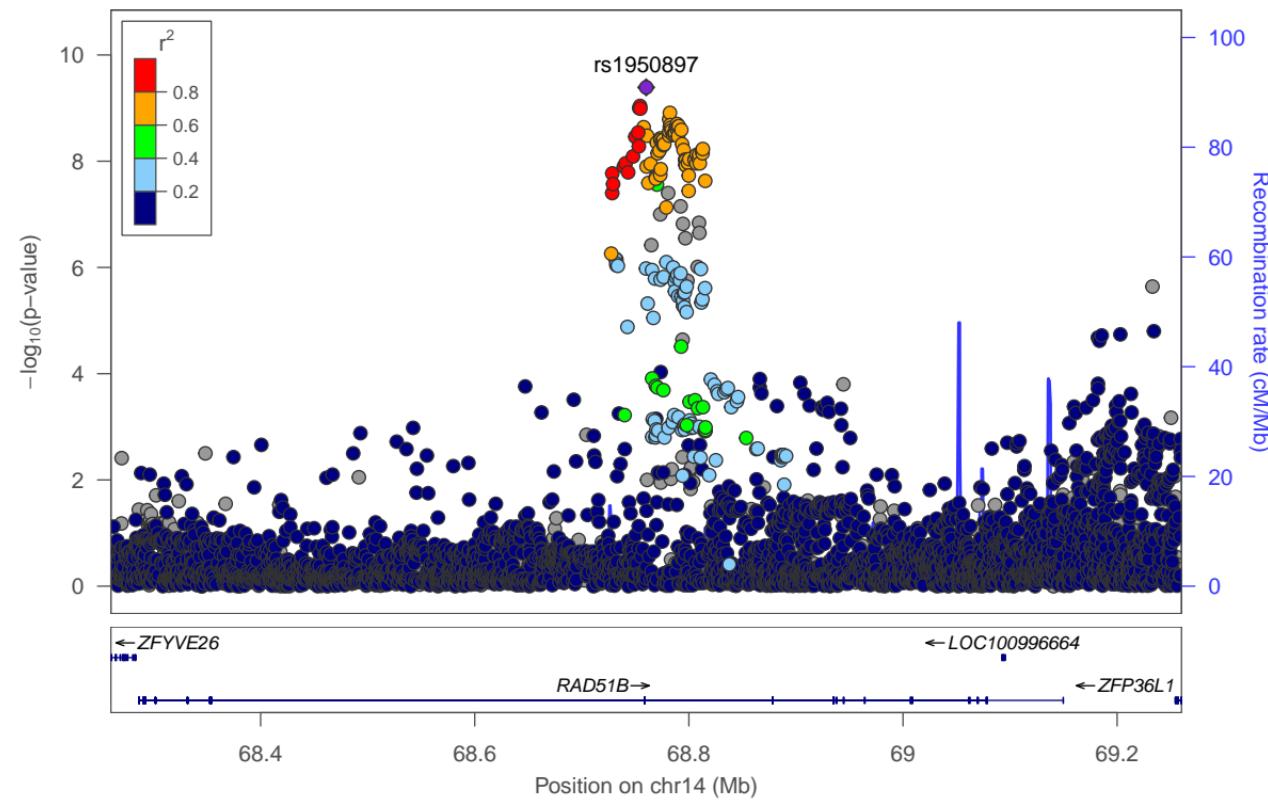
IL-12B [chr14:68760141_C_T (rs1950897) (T/C) N=14735]

Study

Study	TE	seTE
INTERVAL (4896)	0.08	0.0221
BioFinder (1496)	0.08	0.0405
EGCUT (487)	0.07	0.0764
KORA (1064)	0.13	0.0464
NSPHS (866)	0.13	0.0609
ORCADES (982)	0.12	0.0489
RECOMBINE (448)	0.00	0.0861
STABILITY (2950)	0.06	0.0268
STANLEY (344)	0.16	0.0831
STANLEY (300)	-0.12	0.0906
VIS (902)	0.03	0.0522



IL-12B (IL12B)-rs1950897



IL-12B (IL12B)-rs9815073

IL-12B [chr3:188115682_A_C (rs9815073) (A/C) N=14287]

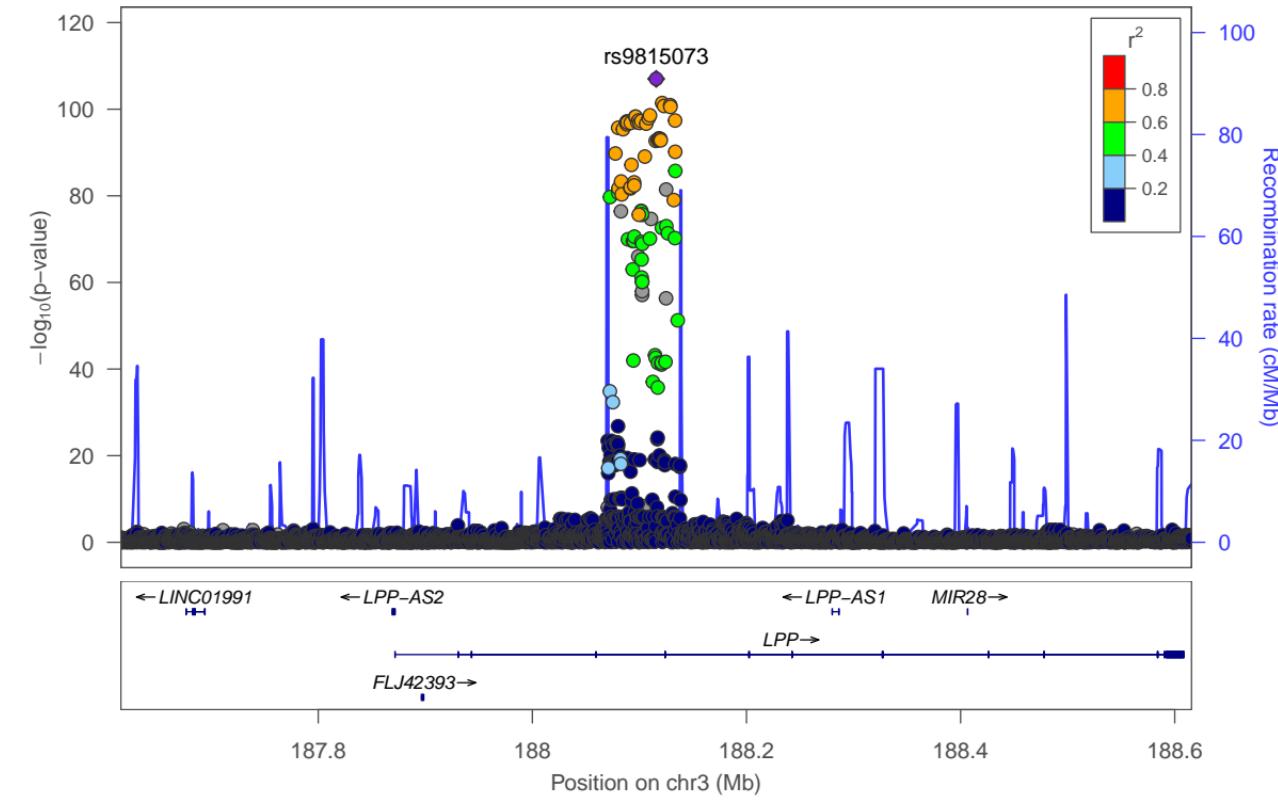
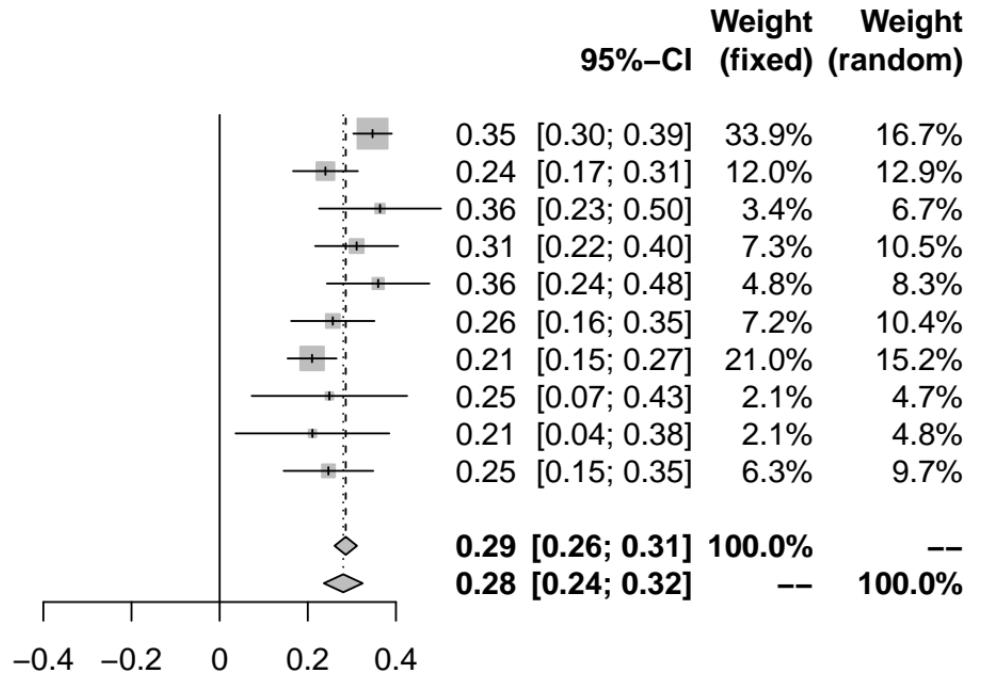
Study

	TE	seTE
INTERVAL (4896)	0.35	0.0223
BioFinder (1496)	0.24	0.0375
EGCUT (487)	0.36	0.0705
KORA (1064)	0.31	0.0480
NSPHS (866)	0.36	0.0594
ORCADES (982)	0.26	0.0482
STABILITY (2950)	0.21	0.0283
STANLEY (344)	0.25	0.0900
STANLEY (300)	0.21	0.0890
VIS (902)	0.25	0.0519

Fixed effect model

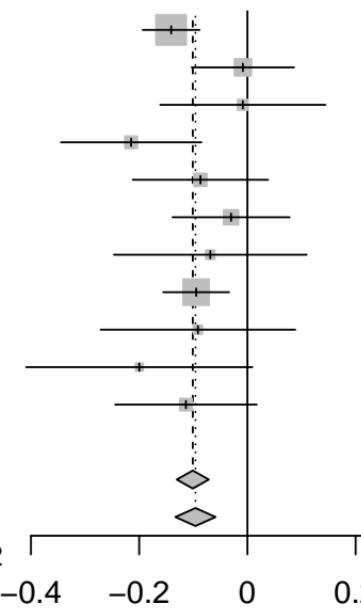
Random effects model

Heterogeneity: $I^2 = 57\%$, $\tau^2 = 0.0025$, $p = 0.01$

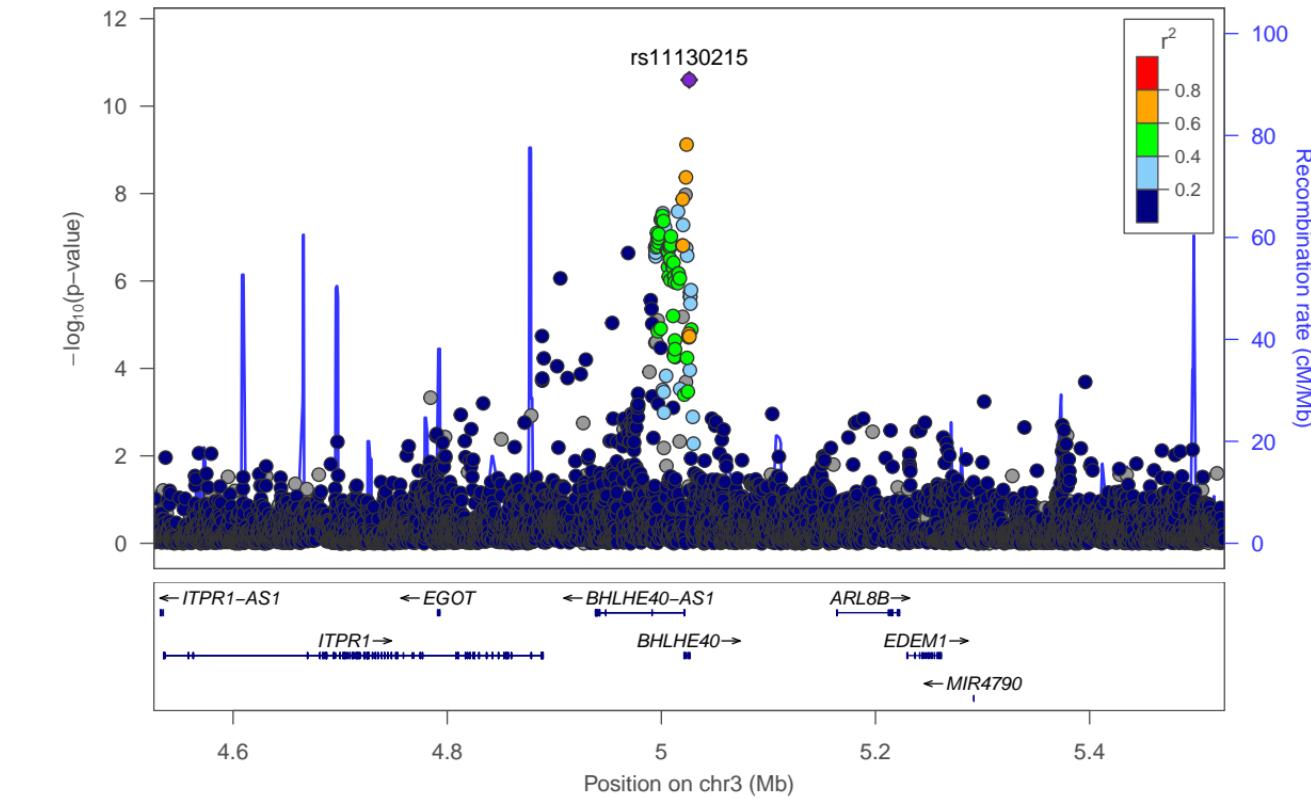


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (446)
STABILITY (2950)
STANLEY (344)
STANLEY (300)
VIS (902)

IL-12B [chr3:5026008_A_G (rs11130215) (A/G) N=14733]**TE****seTE****95%-CI****Weight (fixed)****Weight (random)**

	95%-CI	Weight (fixed)	Weight (random)
INTERVAL (4896)	-0.14 [-0.19; -0.09]	31.8%	22.9%
BioFinder (1496)	-0.01 [-0.10; 0.09]	9.8%	11.3%
EGCUT (487)	-0.01 [-0.16; 0.14]	3.8%	5.2%
KORA (1064)	-0.21 [-0.34; -0.09]	5.2%	6.9%
NSPHS (866)	-0.09 [-0.21; 0.04]	5.6%	7.3%
ORCADES (982)	-0.03 [-0.14; 0.08]	7.5%	9.2%
RECOMBINE (446)	-0.07 [-0.25; 0.11]	2.8%	3.9%
STABILITY (2950)	-0.09 [-0.16; -0.03]	23.7%	19.8%
STANLEY (344)	-0.09 [-0.27; 0.09]	2.7%	3.9%
STANLEY (300)	-0.20 [-0.41; 0.01]	2.0%	2.9%
VIS (902)	-0.11 [-0.24; 0.02]	5.1%	6.8%

-0.10 [-0.13; -0.07] 100.0%**-0.10 [-0.13; -0.06] -- 100.0%****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 23\%$, $\tau^2 = 0.0009$, $p = 0.22$ **IL-12B (IL12B)-rs11130215**

IL-12B [chr5:158792819_C_G (rs10076557) (C/G) N=14720]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (433)
STABILITY (2950)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

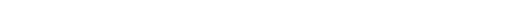
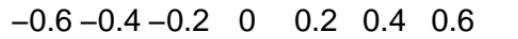
-0.58 0.0201
-0.45 0.0381
-0.45 0.0697
-0.51 0.0430
-0.52 0.0571
-0.47 0.0455
-0.30 0.0803
-0.38 0.0276
-0.44 0.0754
-0.48 0.0830
-0.49 0.0507

Weight
95%-CI
(fixed) (random)

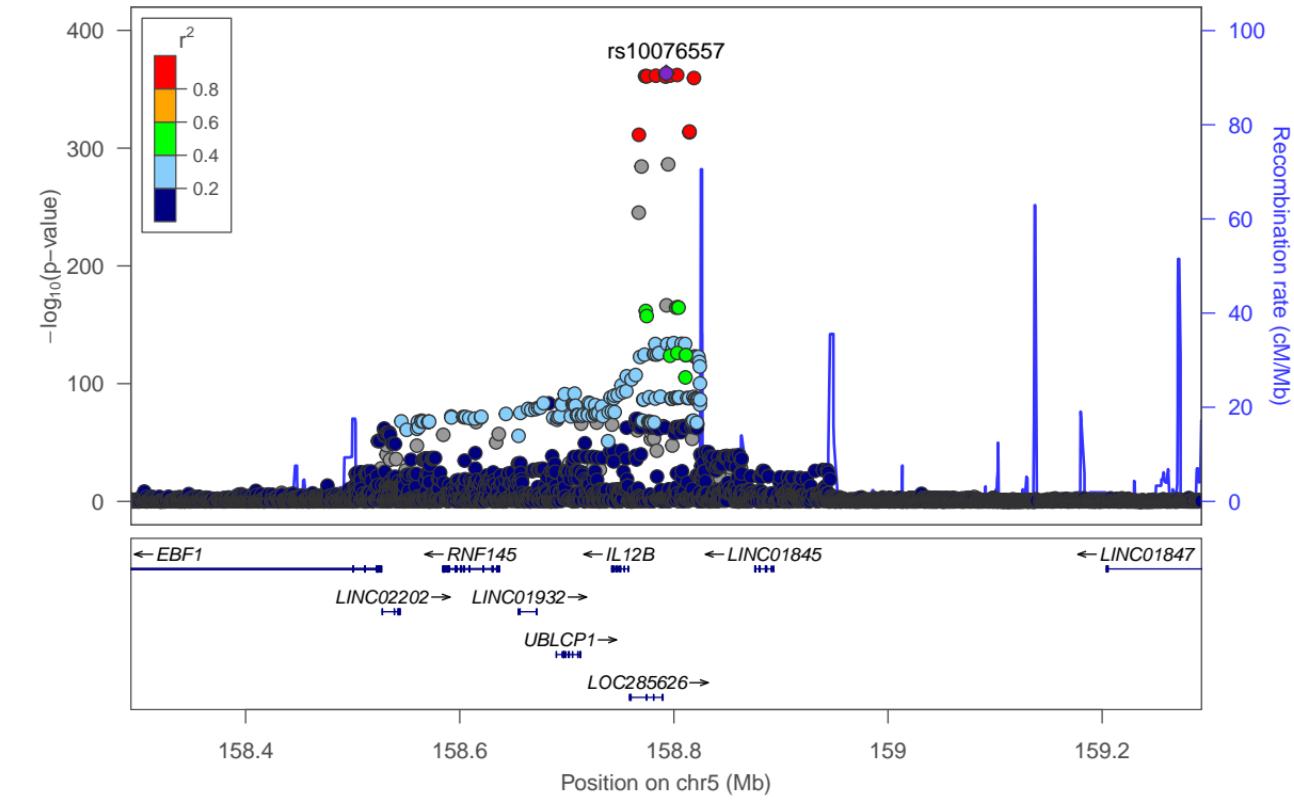
-0.58 [-0.62; -0.54] 36.0% 12.3%
-0.45 [-0.52; -0.37] 10.0% 10.7%
-0.45 [-0.59; -0.31] 3.0% 7.5%
-0.51 [-0.59; -0.42] 7.8% 10.2%
-0.52 [-0.64; -0.41] 4.5% 8.7%
-0.47 [-0.56; -0.38] 7.0% 9.9%
-0.30 [-0.45; -0.14] 2.3% 6.5%
-0.38 [-0.43; -0.32] 19.1% 11.7%
-0.44 [-0.59; -0.29] 2.6% 7.0%
-0.48 [-0.65; -0.32] 2.1% 6.3%
-0.49 [-0.59; -0.39] 5.7% 9.3%

Fixed effect model
Random effects model

Heterogeneity: $I^2 = 78\%$, $\tau^2 = 0.0065$, $p < 0.01$



IL-12B (IL12B)-rs10076557



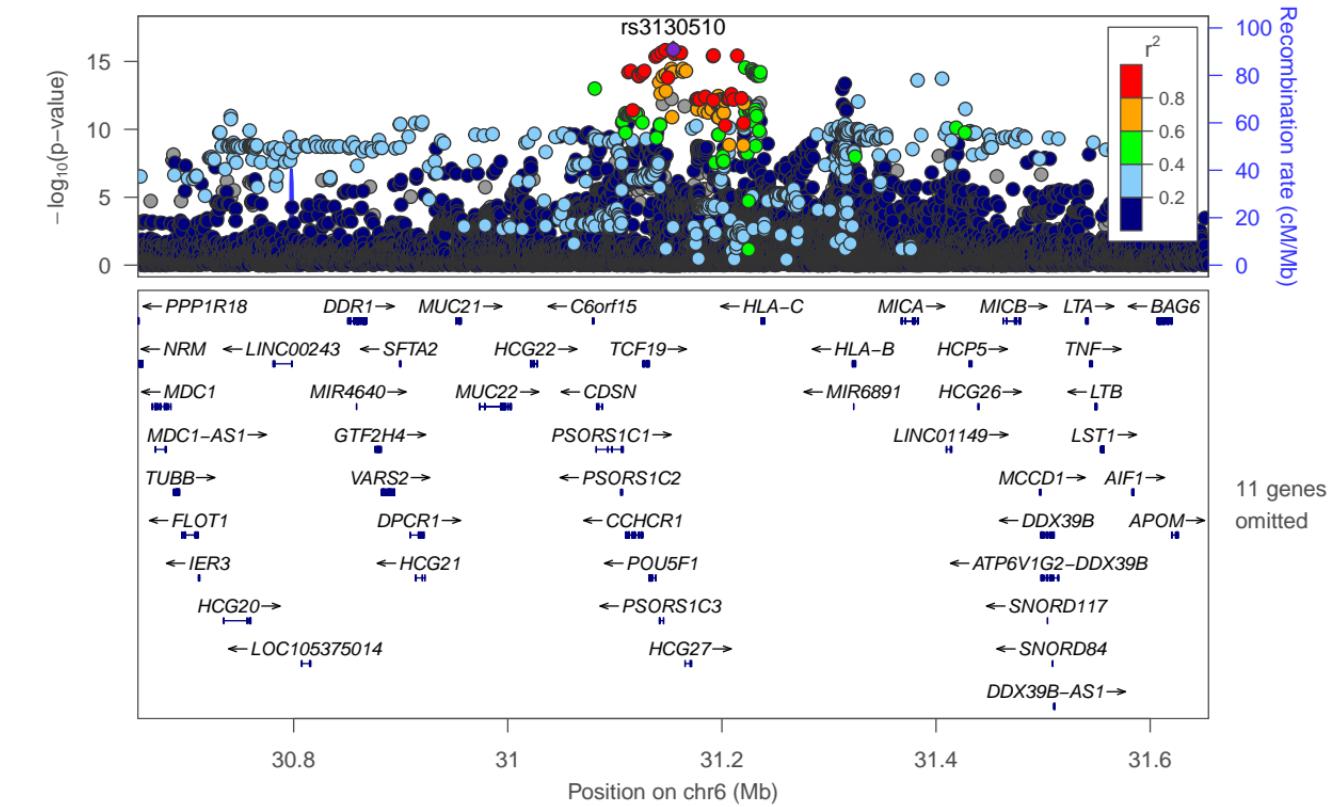
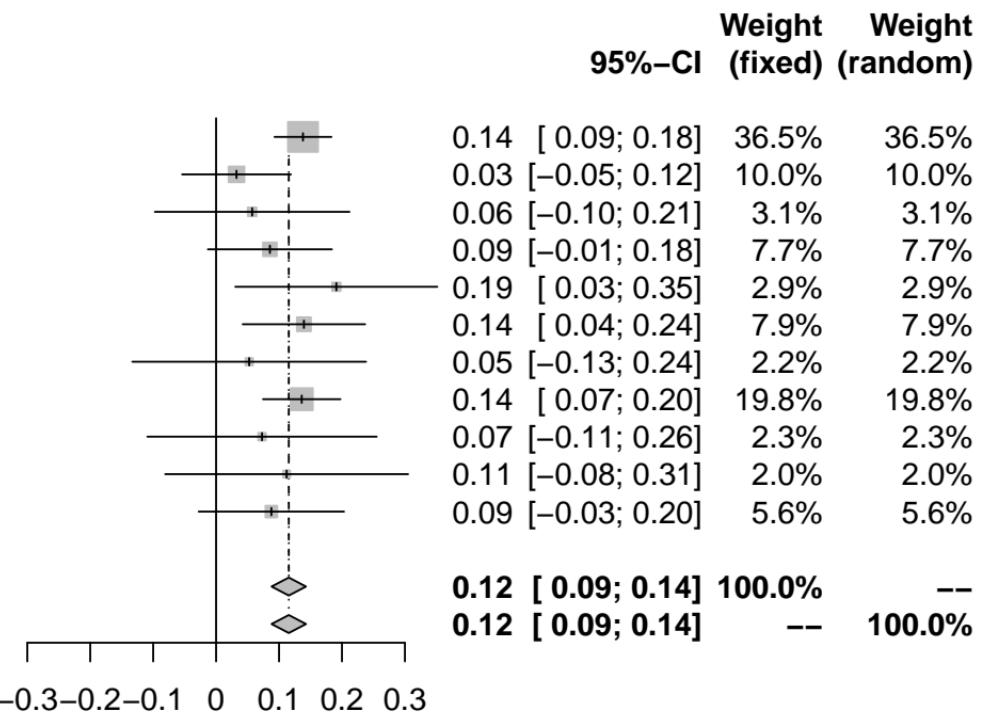
IL-12B (IL12B)-rs3130510

IL-12B [chr6:31154493_A_G (rs3130510) (A/G) N=14735]

Study

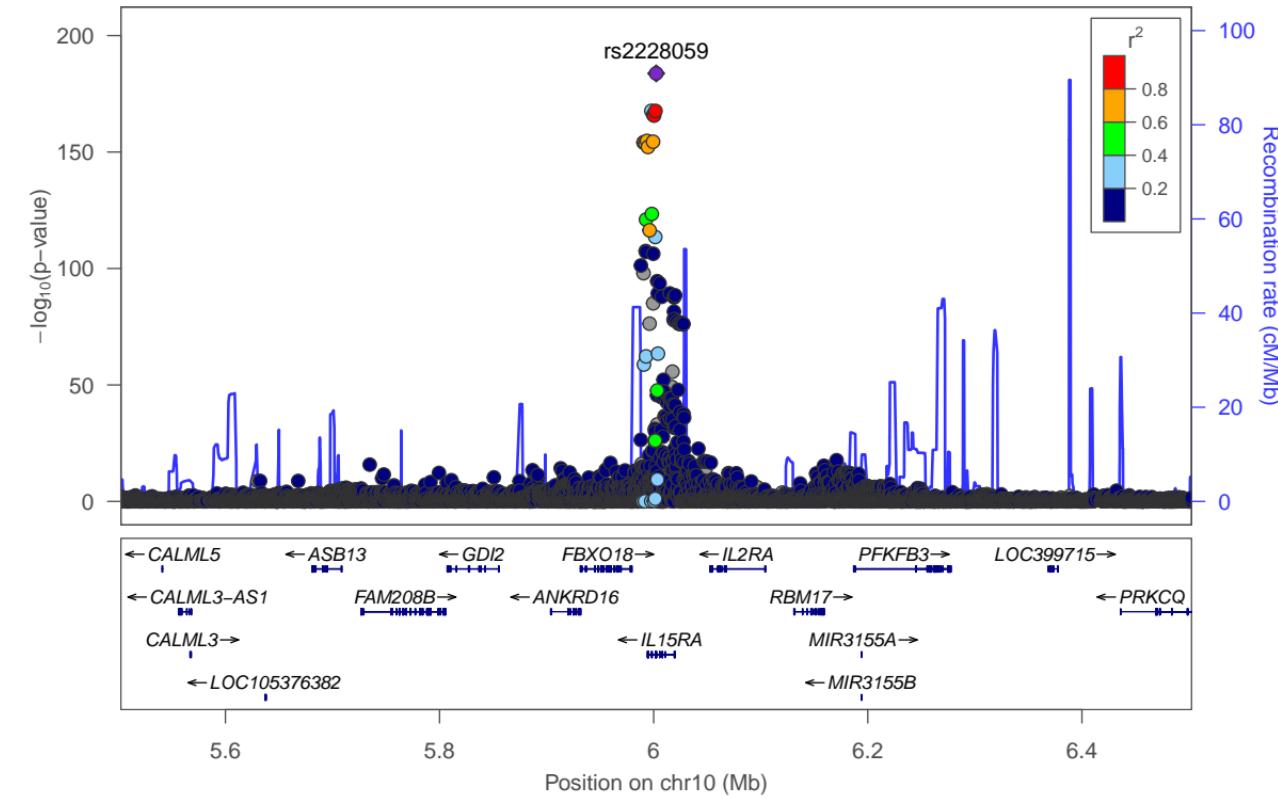
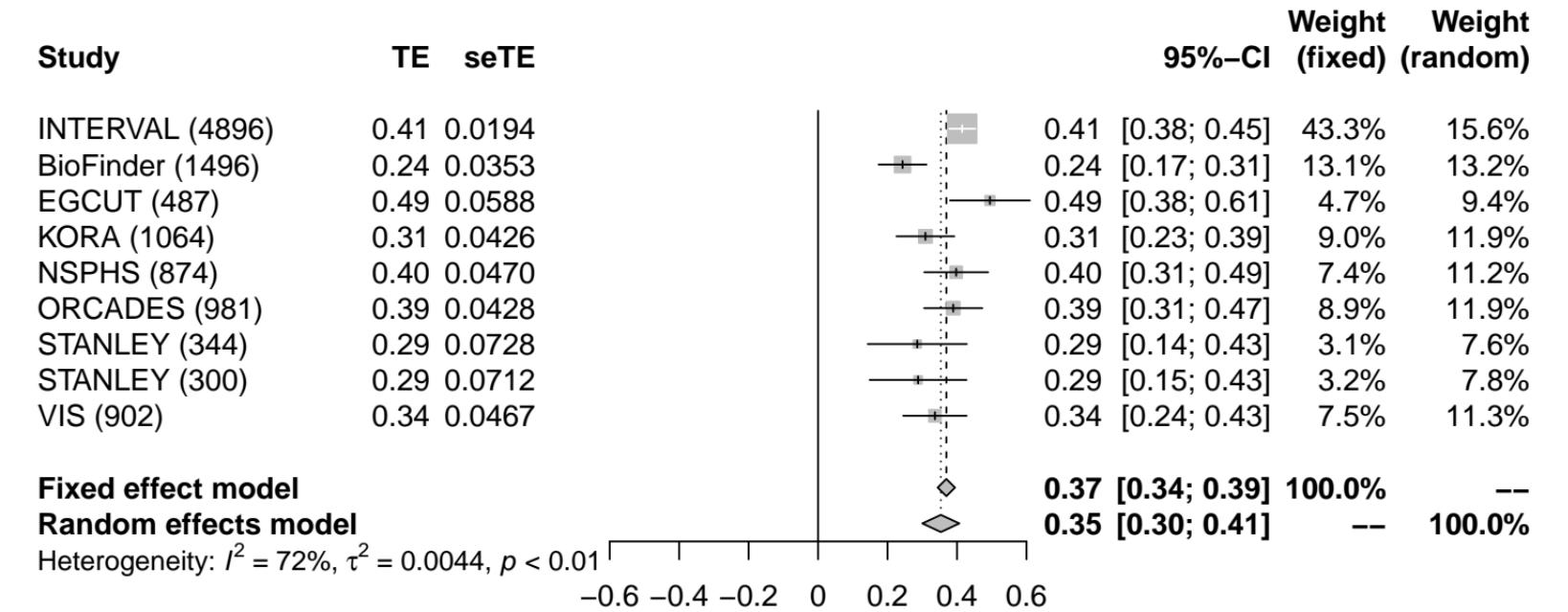
	TE	seTE
INTERVAL (4896)	0.14	0.0231
BioFinder (1496)	0.03	0.0441
EGCUT (487)	0.06	0.0789
KORA (1064)	0.09	0.0503
NSPHS (866)	0.19	0.0819
ORCADES (982)	0.14	0.0496
RECOMBINE (448)	0.05	0.0948
STABILITY (2950)	0.14	0.0314
STANLEY (344)	0.07	0.0930
STANLEY (300)	0.11	0.0985
VIS (902)	0.09	0.0589

TE seTE



IL-15RA (IL15RA)-rs2228059

IL-15RA [chr10:6002368_G_T (rs2228059) (T/G) N=11344]



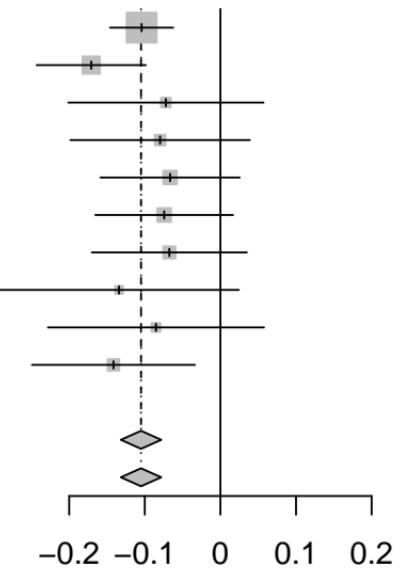
Study

	TE	seTE
INTERVAL (4896)	-0.10	0.0213
BioFinder (1496)	-0.17	0.0368
EGCUT (487)	-0.07	0.0659
KORA (1064)	-0.08	0.0606
NSPHS (874)	-0.07	0.0470
ORCADES (982)	-0.07	0.0465
RECOMBINE (430)	-0.07	0.0523
STANLEY (344)	-0.13	0.0809
STANLEY (300)	-0.09	0.0729
VIS (902)	-0.14	0.0550

Fixed effect model
Random effects model

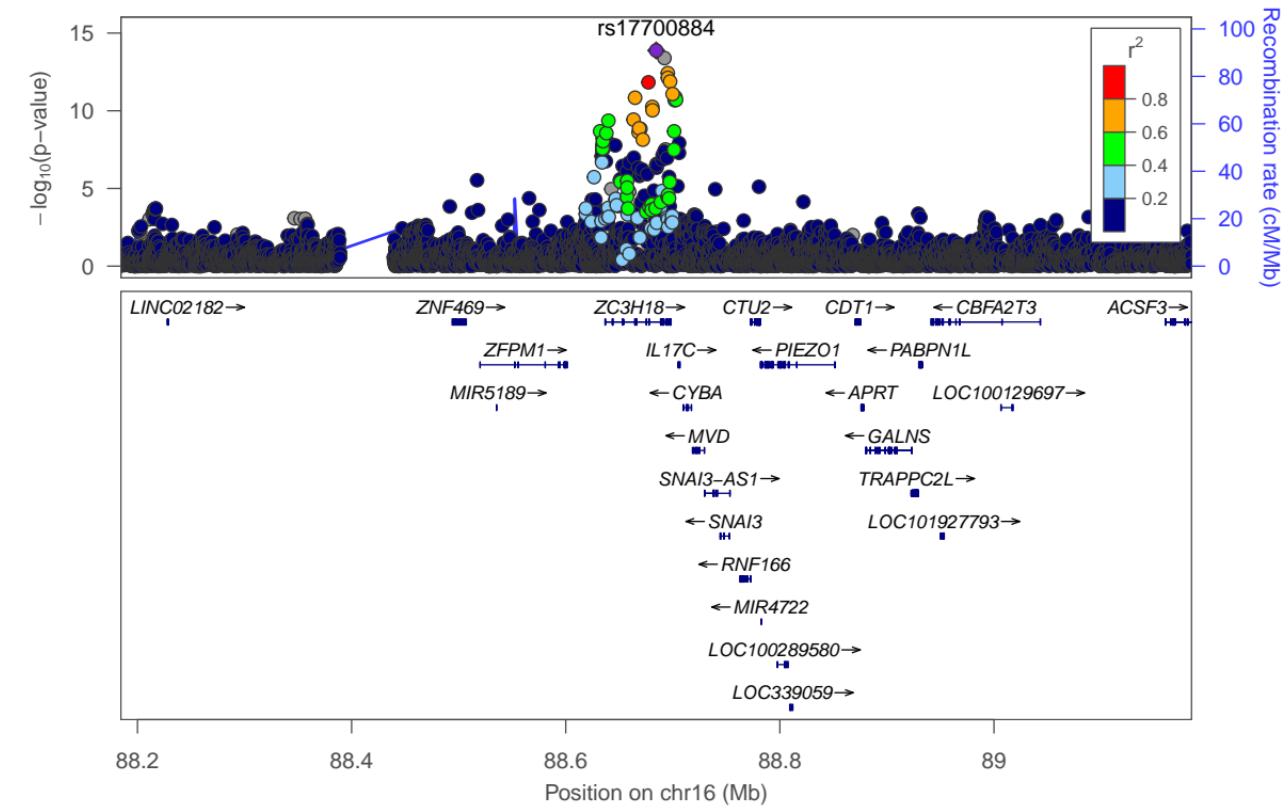
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.75$

IL-17C [chr16:88684495_G_T (rs17700884) (T/G) N=11775]

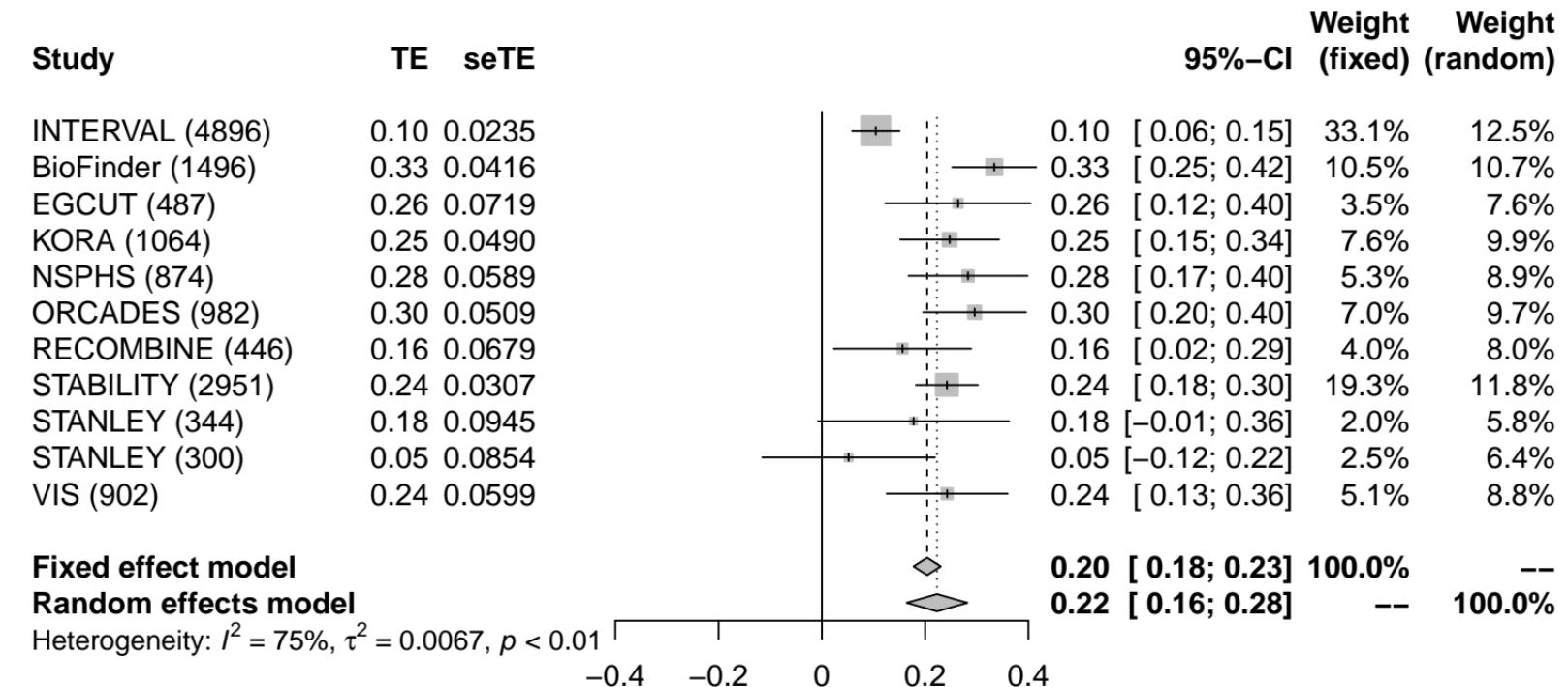
TE **seTE****95%-CI** **Weight (fixed)** **Weight (random)**

-0.10	[-0.15; -0.06]	40.8%	40.8%
-0.17	[-0.24; -0.10]	13.7%	13.7%
-0.07	[-0.20; 0.06]	4.3%	4.3%
-0.08	[-0.20; 0.04]	5.1%	5.1%
-0.07	[-0.16; 0.03]	8.4%	8.4%
-0.07	[-0.17; 0.02]	8.6%	8.6%
-0.07	[-0.17; 0.04]	6.8%	6.8%
-0.13	[-0.29; 0.02]	2.8%	2.8%
-0.09	[-0.23; 0.06]	3.5%	3.5%
-0.14	[-0.25; -0.03]	6.1%	6.1%
-0.10	[-0.13; -0.08]	100.0%	--
-0.10	[-0.13; -0.08]	--	100.0%

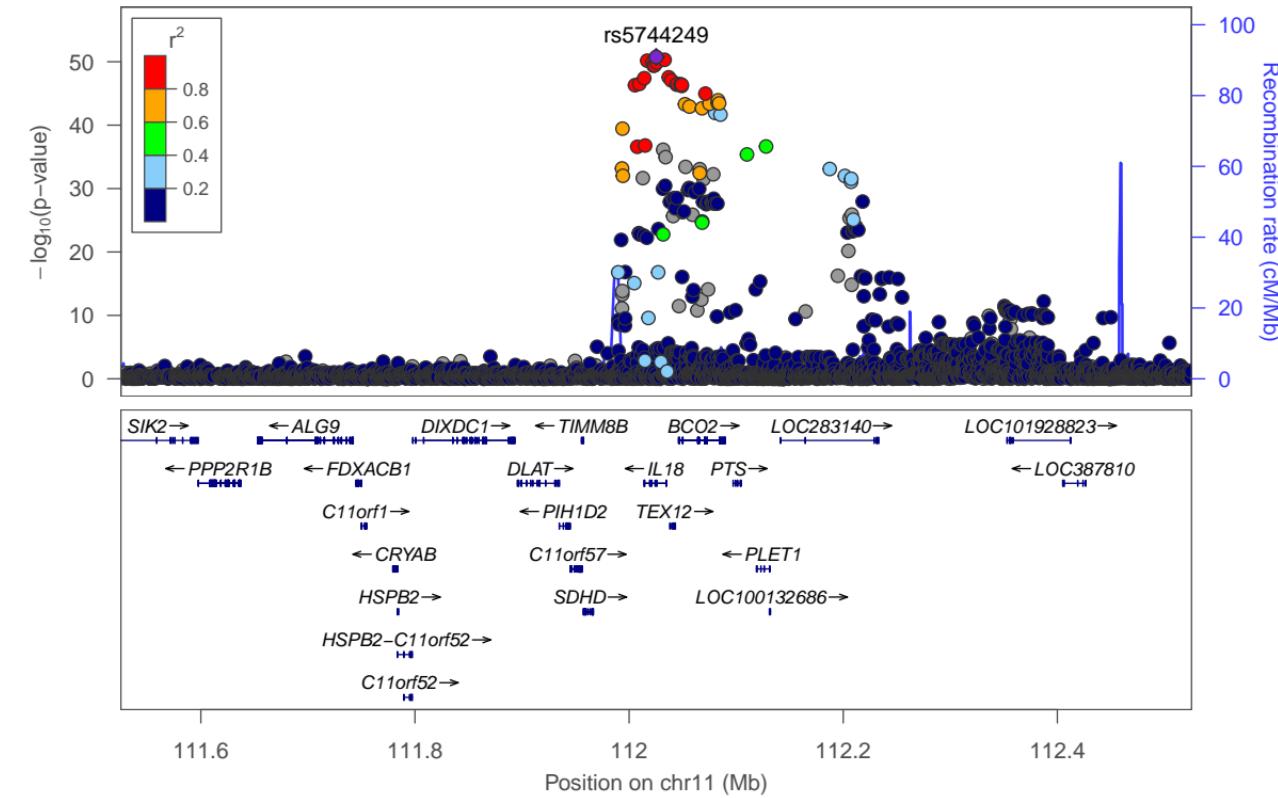
IL-17C (IL17C)-rs17700884



IL-18 [chr11:112025306_A_C (rs5744249) (A/C) N=14742]



IL-18 (IL18)-rs5744249



IL-18 [chr2:32489851_C_T (rs385076) (T/C) N=14296]

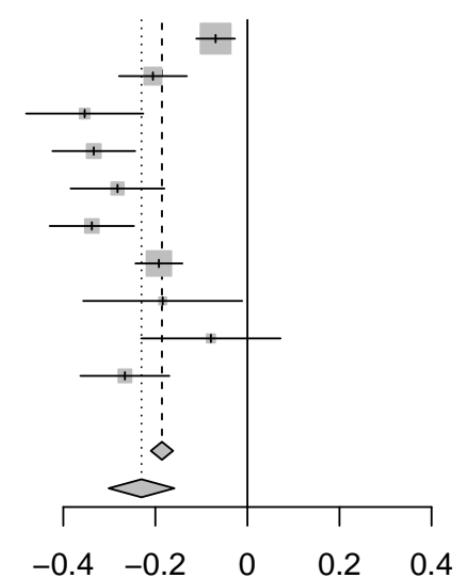
Study

	TE	seTE
INTERVAL (4896)	-0.07	0.0214
BioFinder (1496)	-0.21	0.0375
EGCUT (487)	-0.35	0.0649
KORA (1064)	-0.33	0.0459
NSPHS (874)	-0.28	0.0520
ORCADES (982)	-0.34	0.0467
STABILITY (2951)	-0.19	0.0260
STANLEY (344)	-0.18	0.0881
STANLEY (300)	-0.08	0.0772
VIS (902)	-0.27	0.0492

Fixed effect model

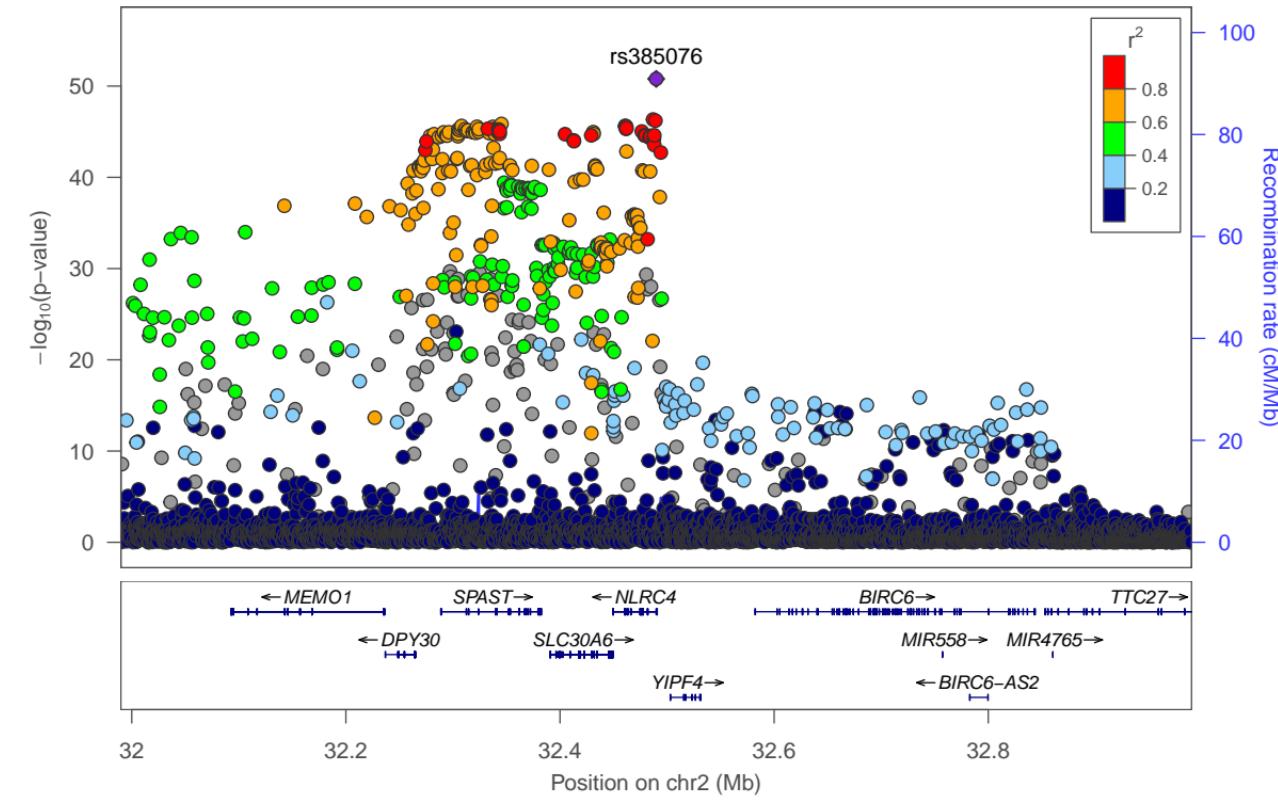
Random effects model

Heterogeneity: $I^2 = 86\%$, $\tau^2 = 0.0106$, $p < 0.01$

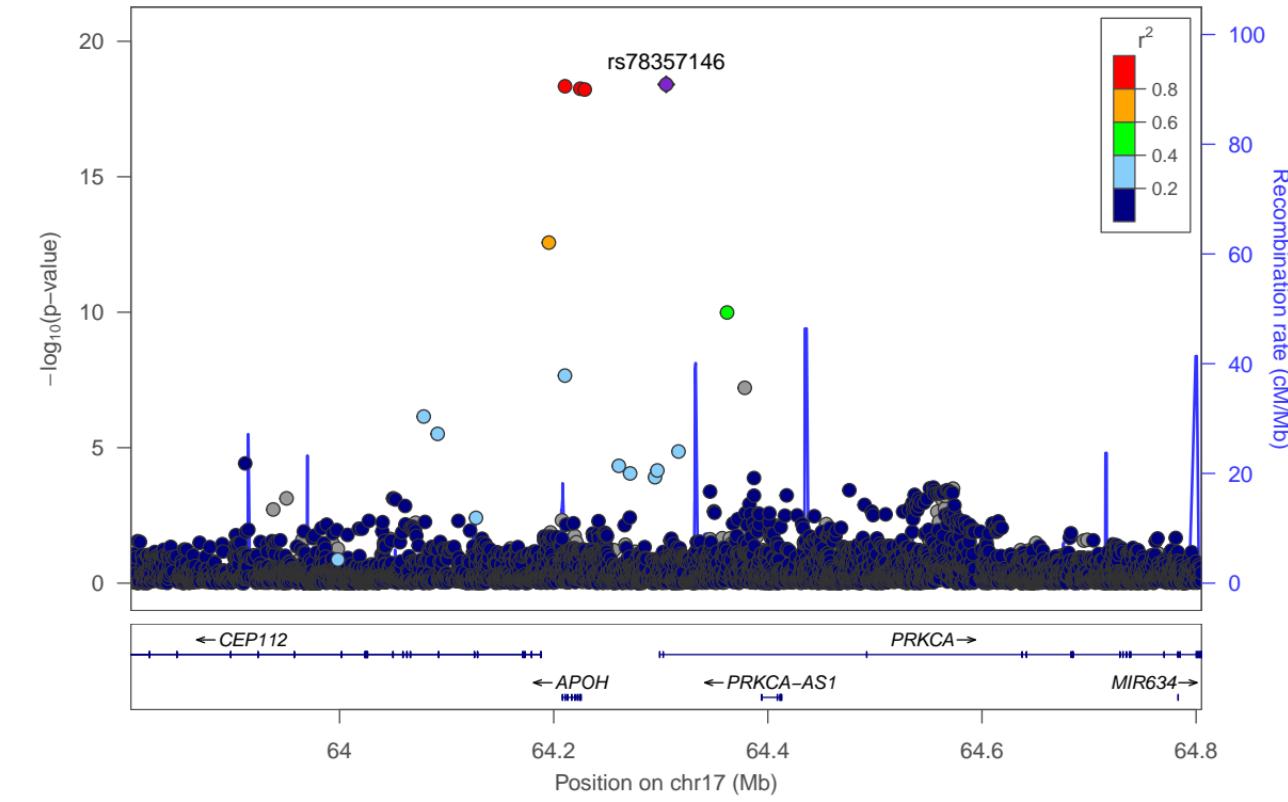
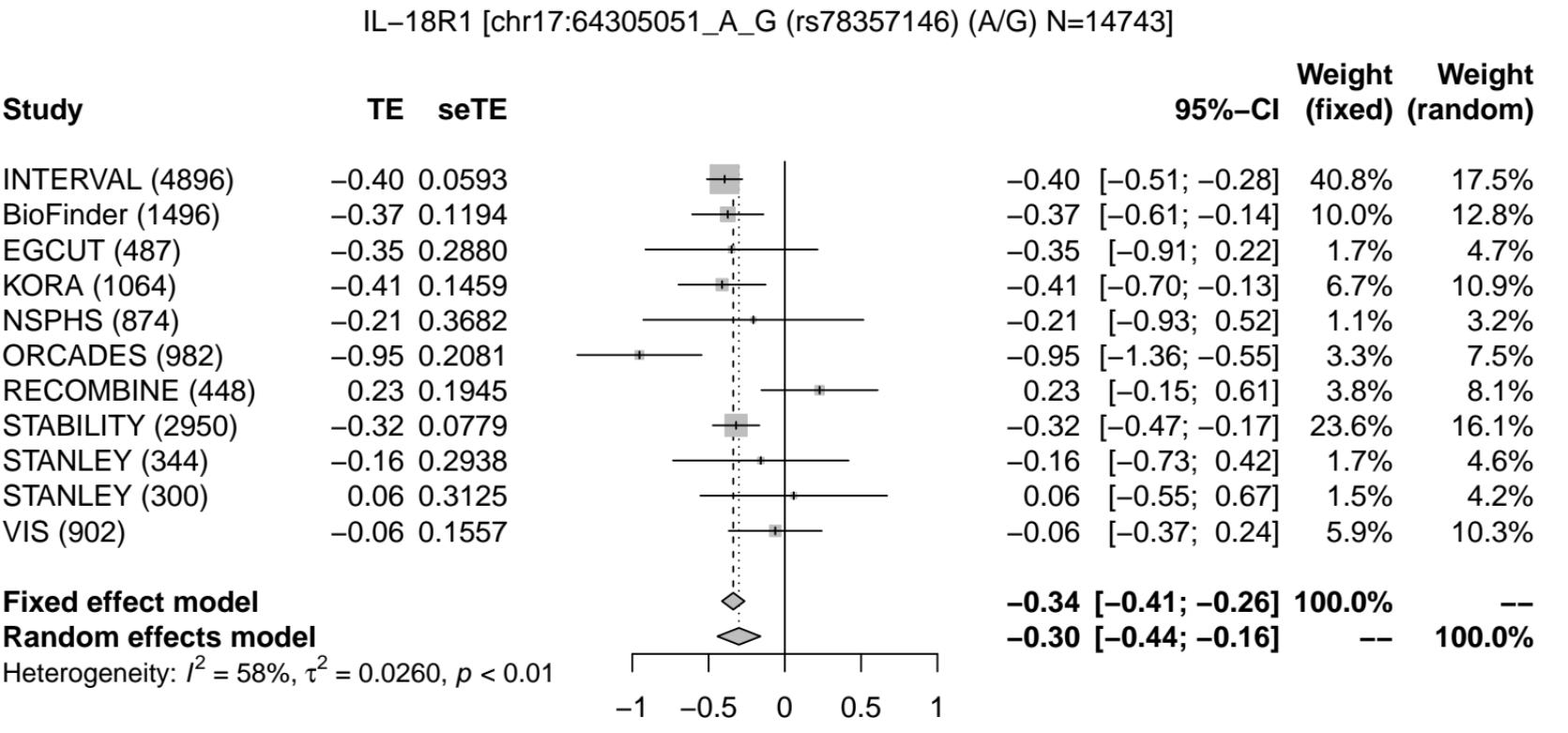


	Weight (fixed)	Weight (random)
-0.07 [-0.11; -0.03]	33.0%	12.0%
-0.21 [-0.28; -0.13]	10.7%	11.1%
-0.35 [-0.48; -0.23]	3.6%	9.0%
-0.33 [-0.42; -0.24]	7.2%	10.4%
-0.28 [-0.38; -0.18]	5.6%	10.0%
-0.34 [-0.43; -0.25]	6.9%	10.4%
-0.19 [-0.24; -0.14]	22.3%	11.8%
-0.18 [-0.36; -0.01]	1.9%	7.2%
-0.08 [-0.23; 0.07]	2.5%	8.0%
-0.27 [-0.36; -0.17]	6.2%	10.2%
-0.19 [-0.21; -0.16]	100.0%	--
-0.23 [-0.30; -0.16]	--	100.0%

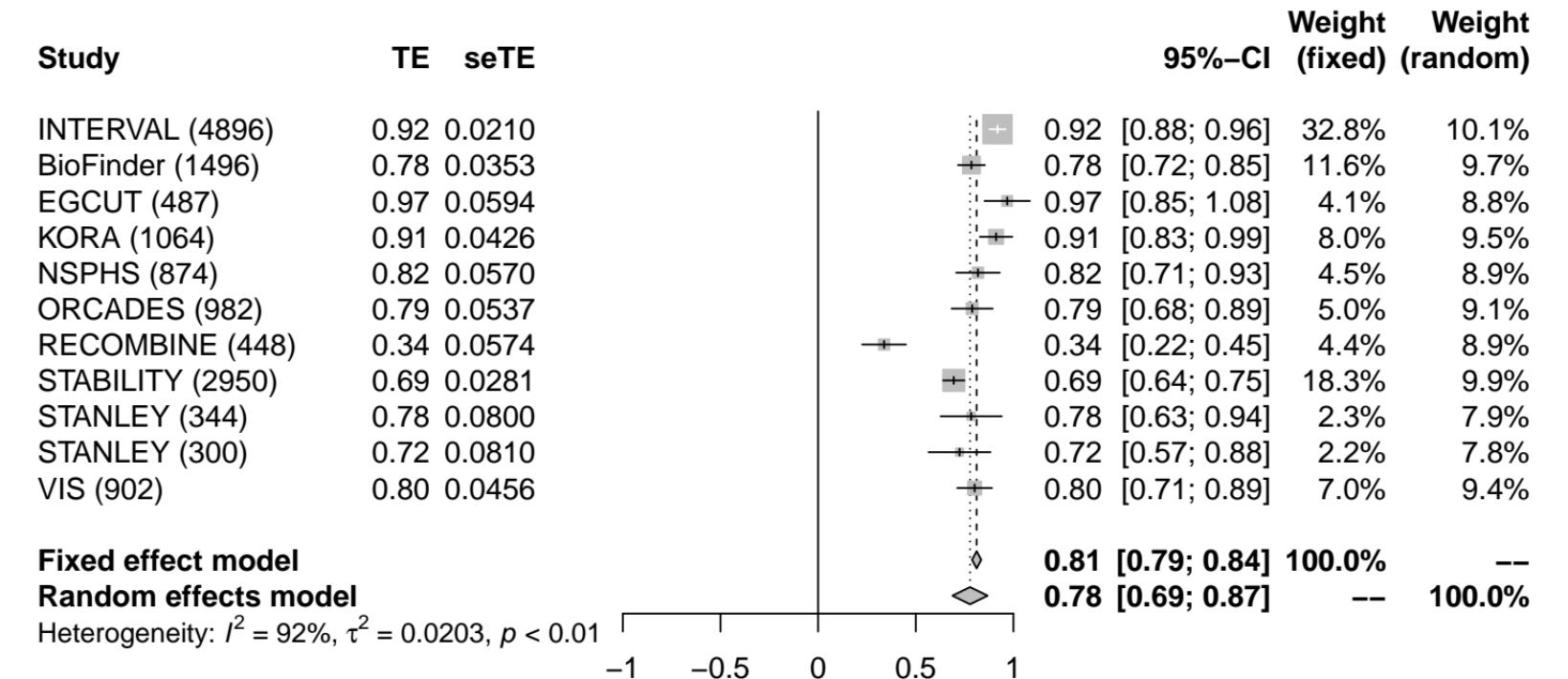
IL-18 (IL18)-rs385076



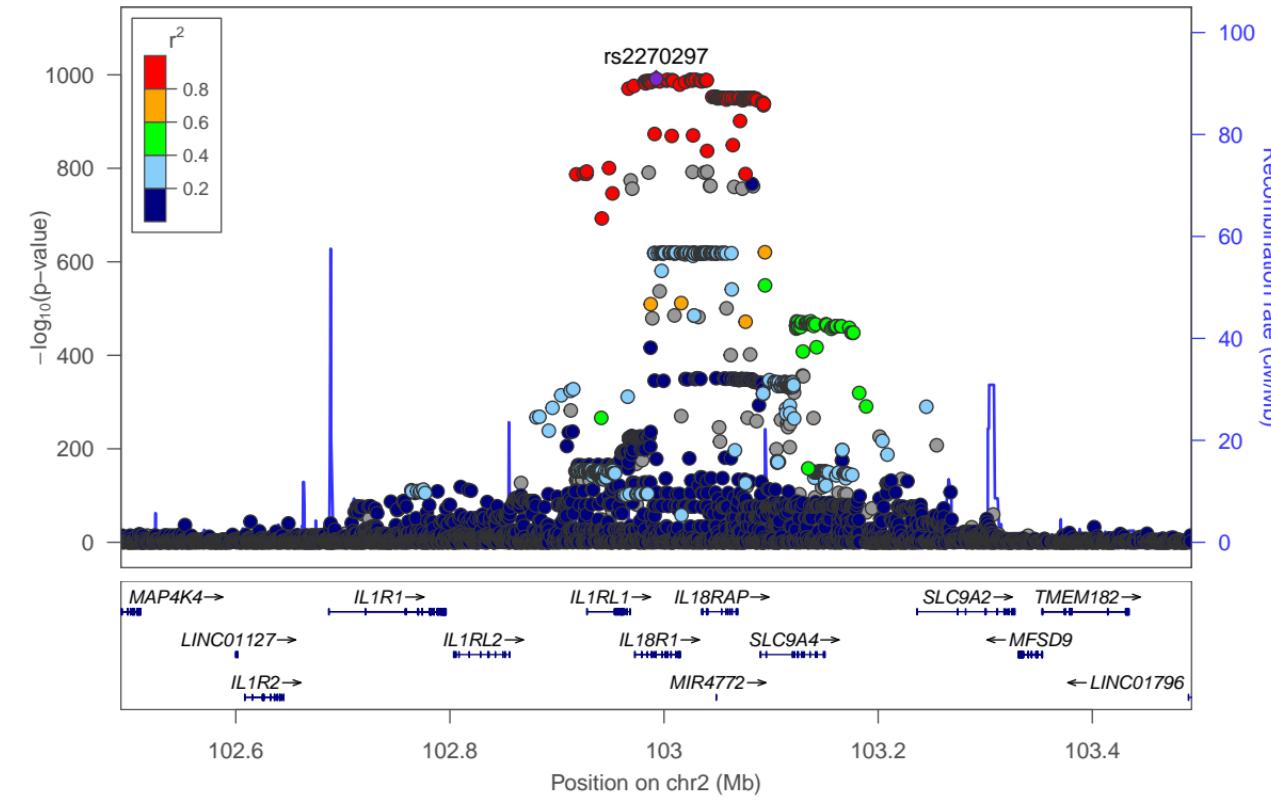
IL-18R1 (IL18R1)-rs78357146



IL-18R1 [chr2:102992675_C_T (rs2270297) (T/C) N=14743]



IL-18R1 (IL18R1)-rs2270297



IL-1 alpha [chr6:32586222_A_G (rs11759846) (A/G) N=11788]

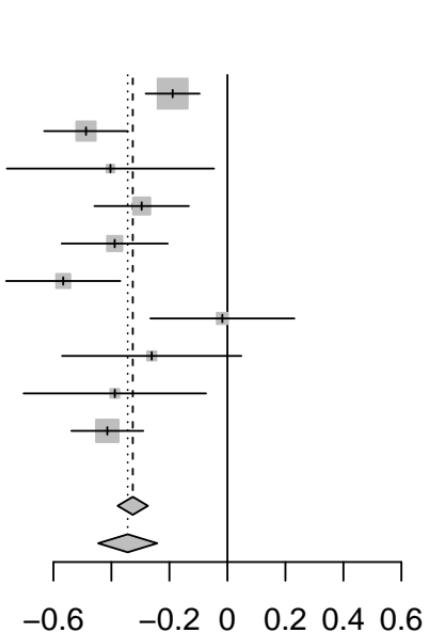
Study

	TE	seTE
INTERVAL (4896)	-0.19	0.0474
BioFinder (1496)	-0.49	0.0735
EGCUT (487)	-0.40	0.1822
KORA (1064)	-0.30	0.0831
NSPHS (874)	-0.39	0.0933
ORCADES (980)	-0.57	0.1005
RECOMBINE (448)	-0.02	0.1267
STANLEY (344)	-0.26	0.1577
STANLEY (300)	-0.39	0.1605
VIS (899)	-0.41	0.0633

Fixed effect model

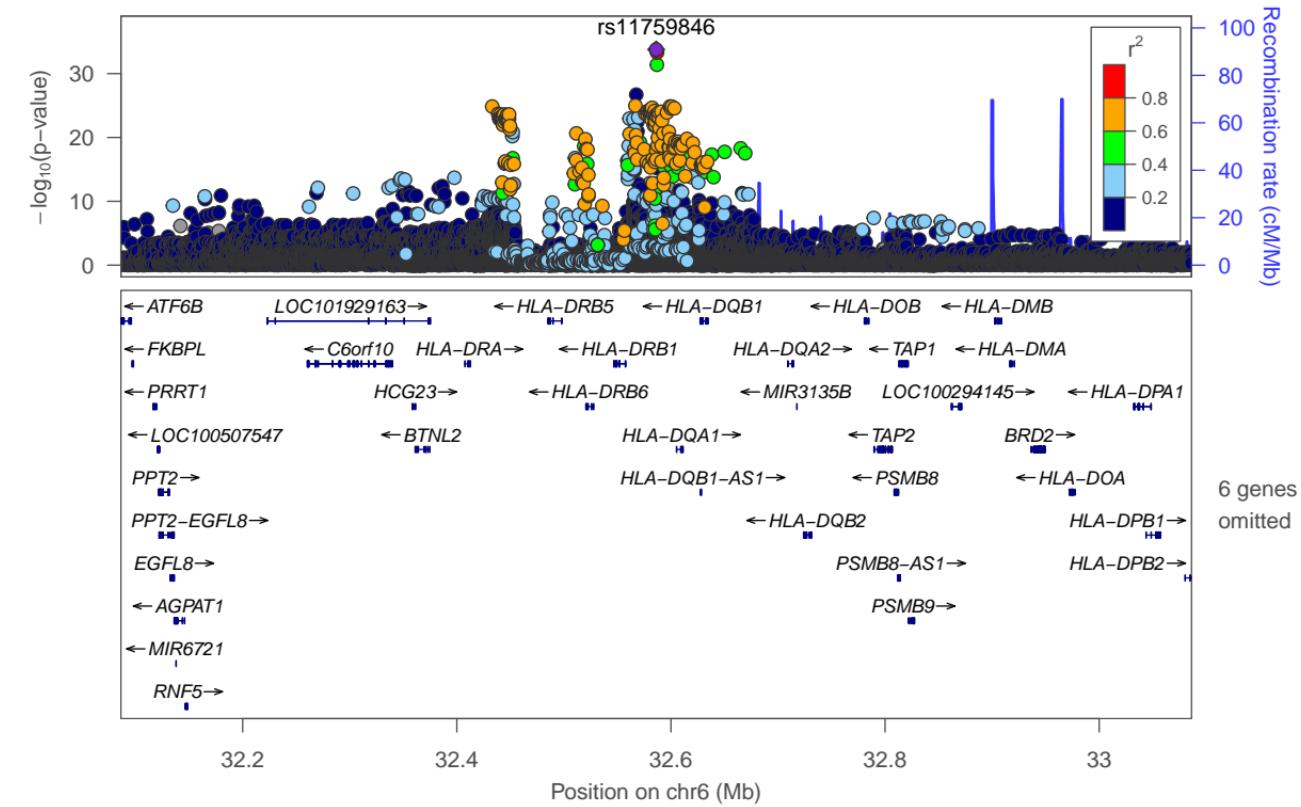
Random effects model

Heterogeneity: $I^2 = 68\%$, $\tau^2 = 0.0162$, $p < 0.01$



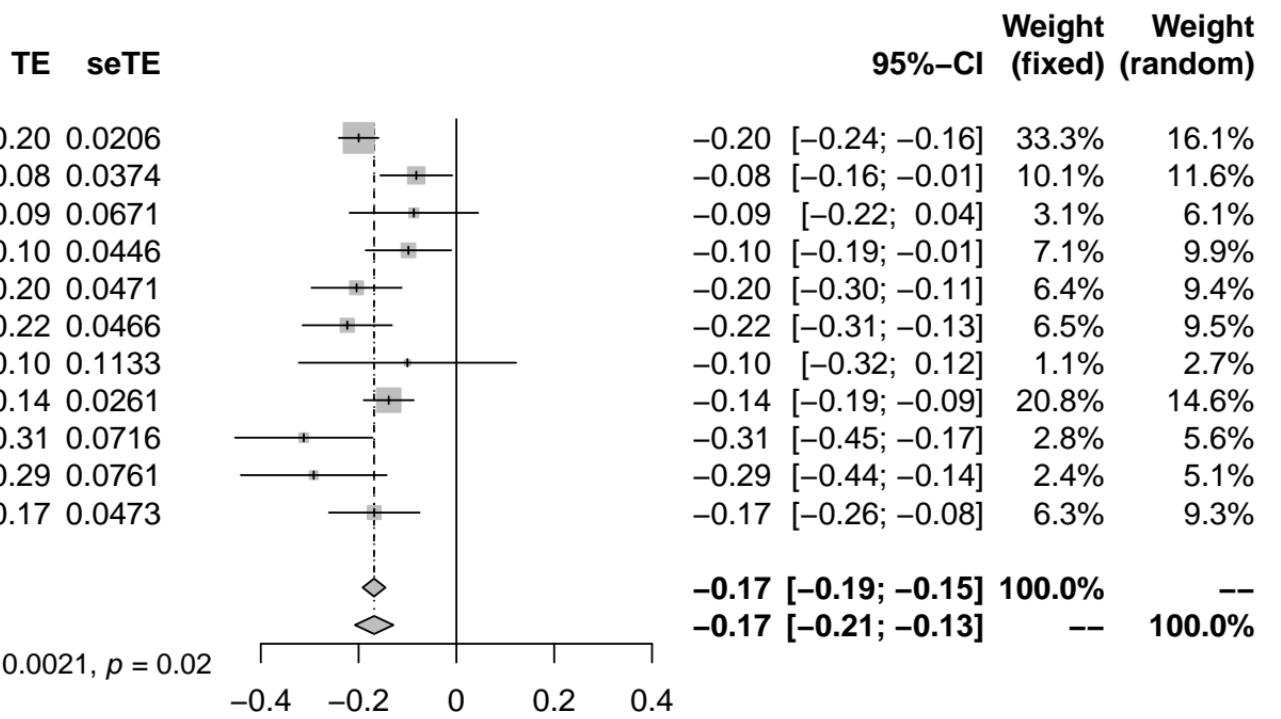
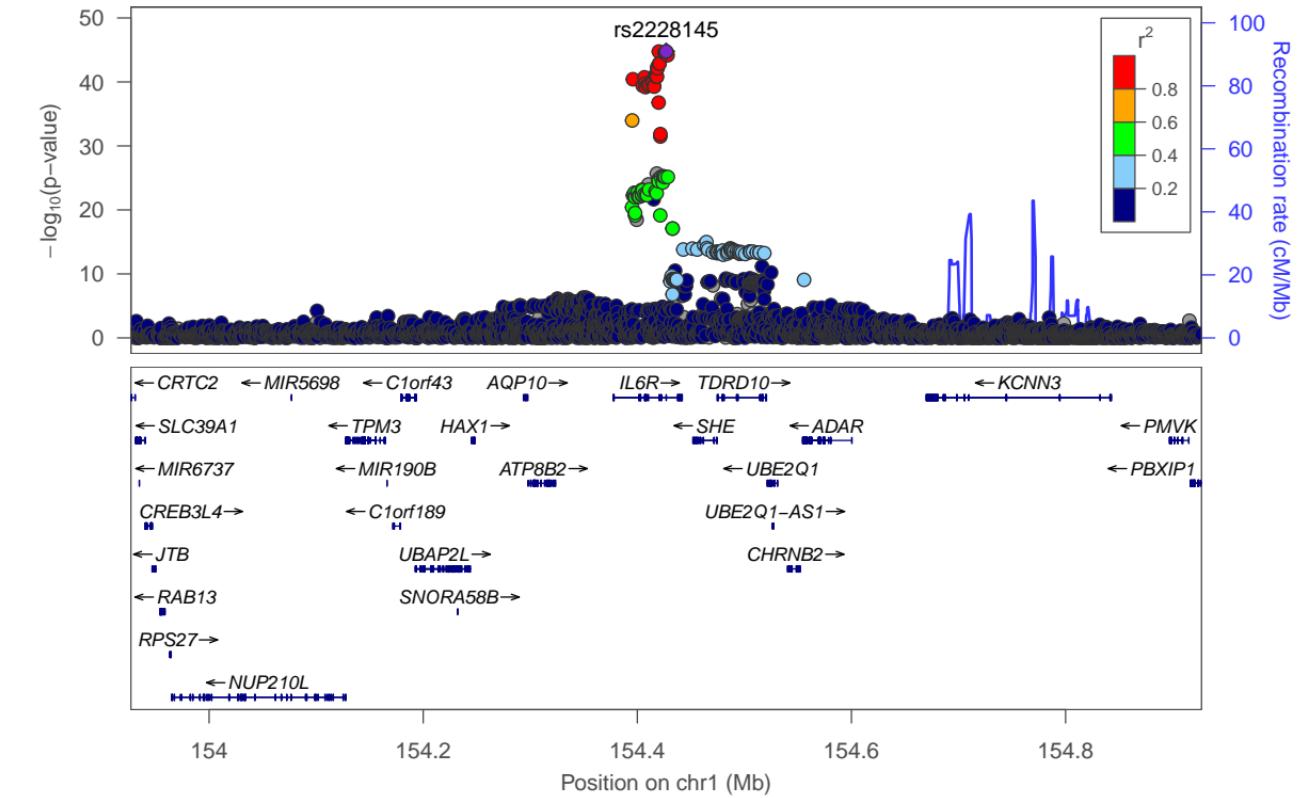
	95%-CI	Weight (fixed)	Weight (random)
	-0.33 [-0.38; -0.27]	100.0%	--
	-0.34 [-0.45; -0.24]	--	100.0%

IL-1 (alpha)-rs11759846



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

IL-6 [chr1:154426970_A_C (rs2228145) (A/C) N=14743]**IL-6 (IL6)-rs2228145**

IL-7 [chr8:79713766_A_G (rs112359206) (A/G) N=10894]

Study

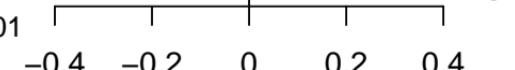
Study	TE	seTE
INTERVAL (4896)	0.22	0.0337
BioFinder (1496)	0.11	0.0627
EGCUT (487)	0.27	0.0971
KORA (1064)	0.28	0.0737
STABILITY (2951)	0.06	0.0427

TE seTE

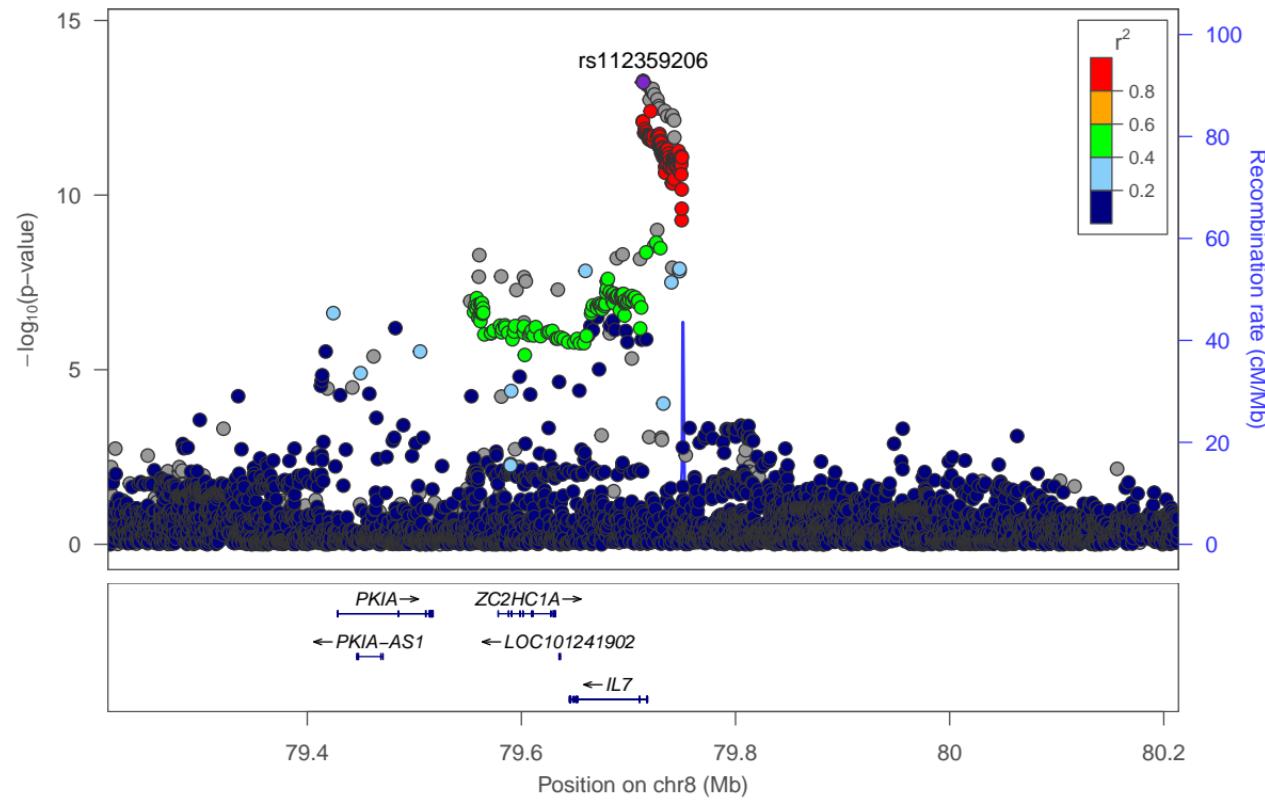
95%-CI Weight
Weight
(fixed) (random)

	95%-CI	Weight (fixed)	Weight (random)
INTERVAL (4896)	0.22 [0.15; 0.29]	44.5%	26.4%
BioFinder (1496)	0.11 [-0.02; 0.23]	12.9%	19.5%
EGCUT (487)	0.27 [0.08; 0.46]	5.4%	12.8%
KORA (1064)	0.28 [0.14; 0.43]	9.3%	17.1%
STABILITY (2951)	0.06 [-0.02; 0.14]	27.8%	24.3%
Fixed effect model	0.17 [0.13; 0.21]	100.0%	--
Random effects model	0.18 [0.09; 0.26]	--	100.0%

Heterogeneity: $I^2 = 70\%$, $\tau^2 = 0.0067$, $p = 0.01$



IL-7 (IL7)-rs112359206

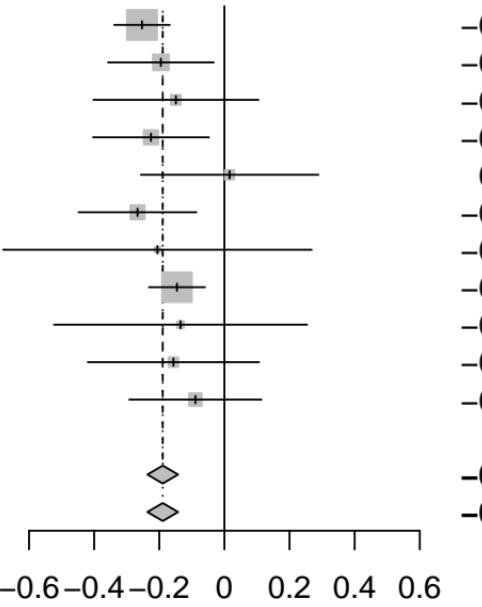


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (433)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

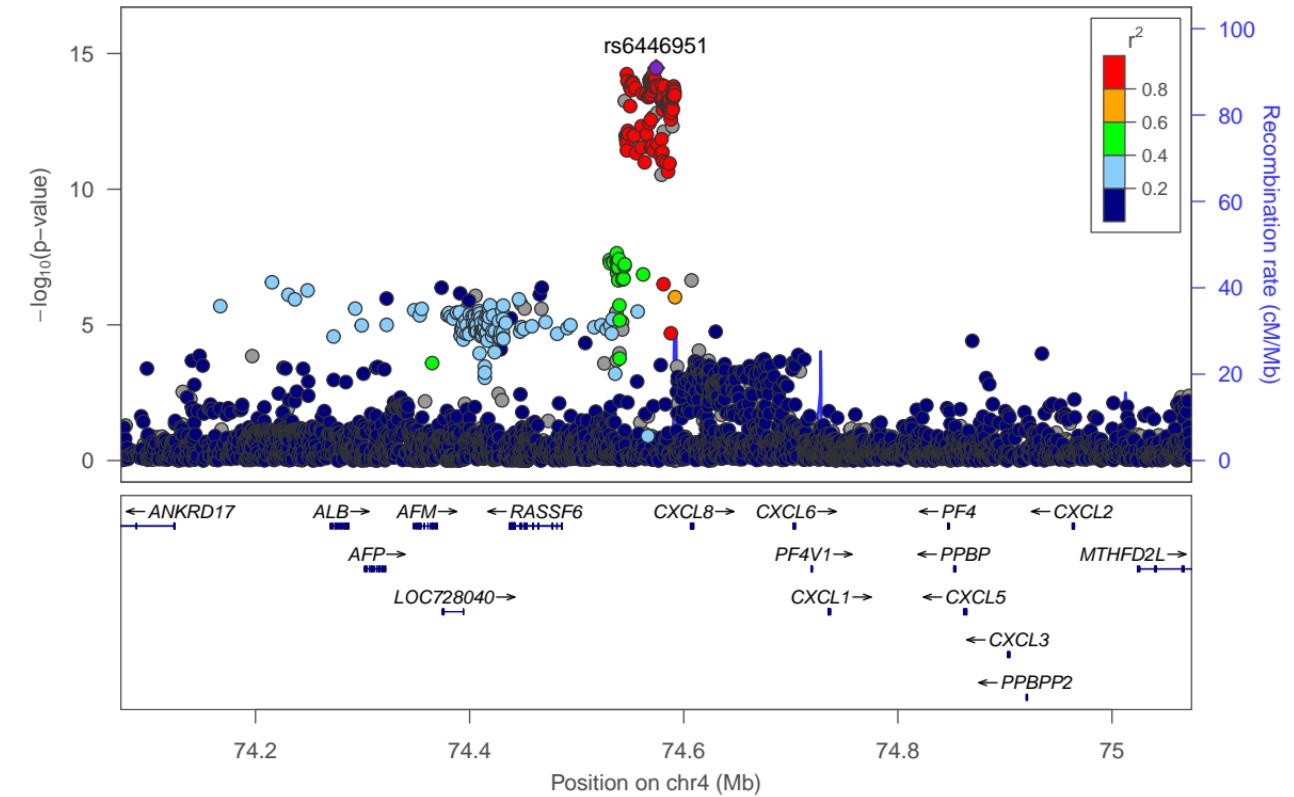
-0.25 0.0436
-0.20 0.0829
-0.15 0.1295
-0.23 0.0909
0.02 0.1391
-0.27 0.0923
-0.21 0.2418
-0.15 0.0440
-0.13 0.1984
-0.16 0.1343
-0.09 0.1036

IL-8 [chr4:74574265_A_G (rs6446951) (A/G) N=14729]

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.69$

95%-CI **Weight (fixed)** **Weight (random)**

-0.25 [-0.34; -0.17] 30.4% 30.4%
-0.20 [-0.36; -0.03] 8.4% 8.4%
-0.15 [-0.40; 0.10] 3.4% 3.4%
-0.23 [-0.40; -0.05] 7.0% 7.0%
0.02 [-0.26; 0.29] 3.0% 3.0%
-0.27 [-0.45; -0.09] 6.8% 6.8%
-0.21 [-0.68; 0.27] 1.0% 1.0%
-0.15 [-0.23; -0.06] 29.9% 29.9%
-0.13 [-0.52; 0.25] 1.5% 1.5%
-0.16 [-0.42; 0.11] 3.2% 3.2%
-0.09 [-0.29; 0.11] 5.4% 5.4%

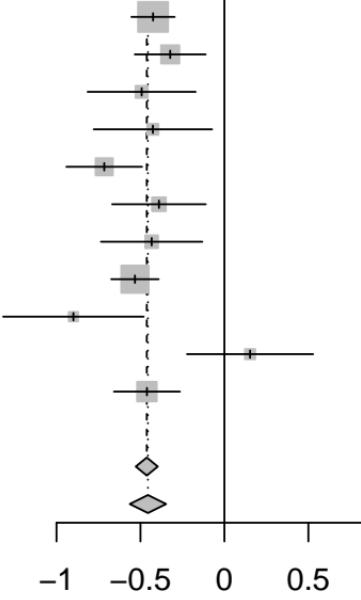
IL-8 (IL8)-rs6446951

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE **seTE**

-0.43 0.0658
-0.32 0.1078
-0.49 0.1642
-0.43 0.1799
-0.72 0.1150
-0.39 0.1422
-0.43 0.1541
-0.53 0.0722
-0.90 0.2136
0.15 0.1917
-0.46 0.1004



		95%-CI	Weight (fixed)	Weight (random)
		-0.46 [-0.53; -0.40]	100.0%	--
		-0.46 [-0.56; -0.35]	--	100.0%

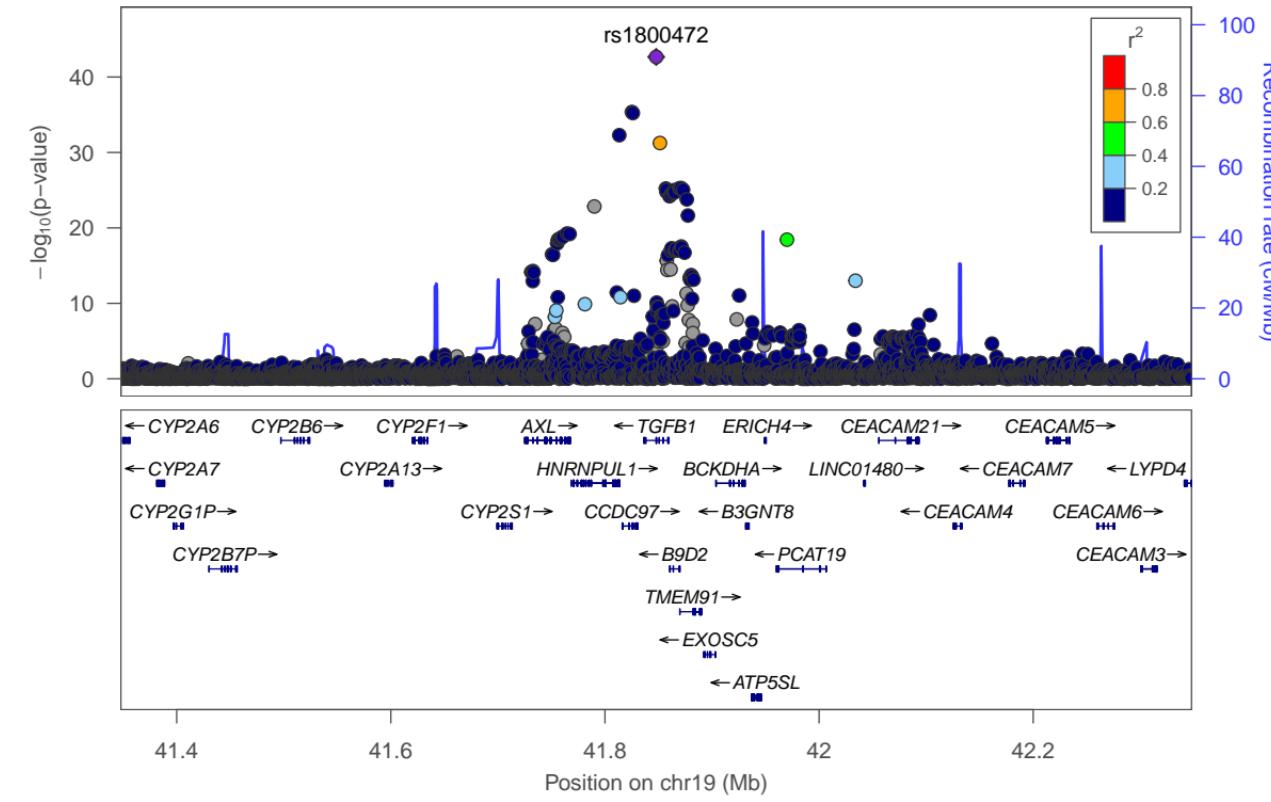
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 56\%$, $\tau^2 = 0.0167$, $p = 0.01$

LAP TGF-beta-1 [chr19:41847860_A_G (rs1800472) (A/G) N=14736]

LAP (TGF-beta-1)-rs1800472



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STANLEY (344)
STANLEY (300)
VIS (901)

LIF-R [chr9:136155000_C_T (rs635634) (T/C) N=11784]

TE seTE

-0.36 0.0262
-0.35 0.0449
-0.53 0.0807
-0.33 0.0526
-0.23 0.0680
-0.32 0.0577
-0.10 0.0363
-0.39 0.0971
-0.09 0.0907
-0.21 0.0582

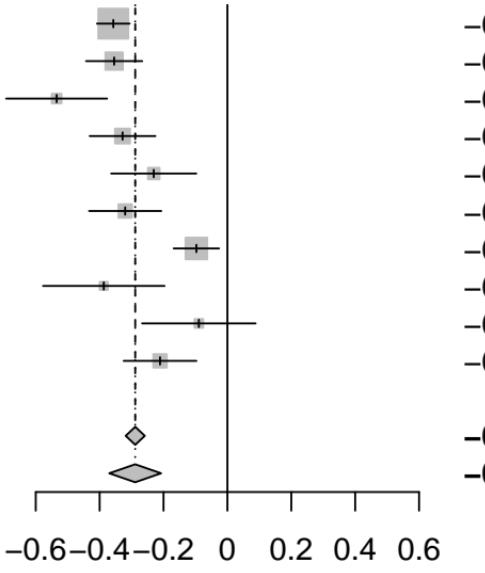
**Weight
95%-CI
(fixed) (random)**

-0.36 [-0.41; -0.31] 34.1% 12.2%
-0.35 [-0.44; -0.27] 11.6% 11.2%
-0.53 [-0.69; -0.38] 3.6% 8.6%
-0.33 [-0.43; -0.23] 8.5% 10.7%
-0.23 [-0.36; -0.10] 5.1% 9.5%
-0.32 [-0.43; -0.21] 7.0% 10.3%
-0.10 [-0.17; -0.03] 17.8% 11.7%
-0.39 [-0.58; -0.20] 2.5% 7.5%
-0.09 [-0.27; 0.09] 2.9% 8.0%
-0.21 [-0.32; -0.10] 6.9% 10.3%

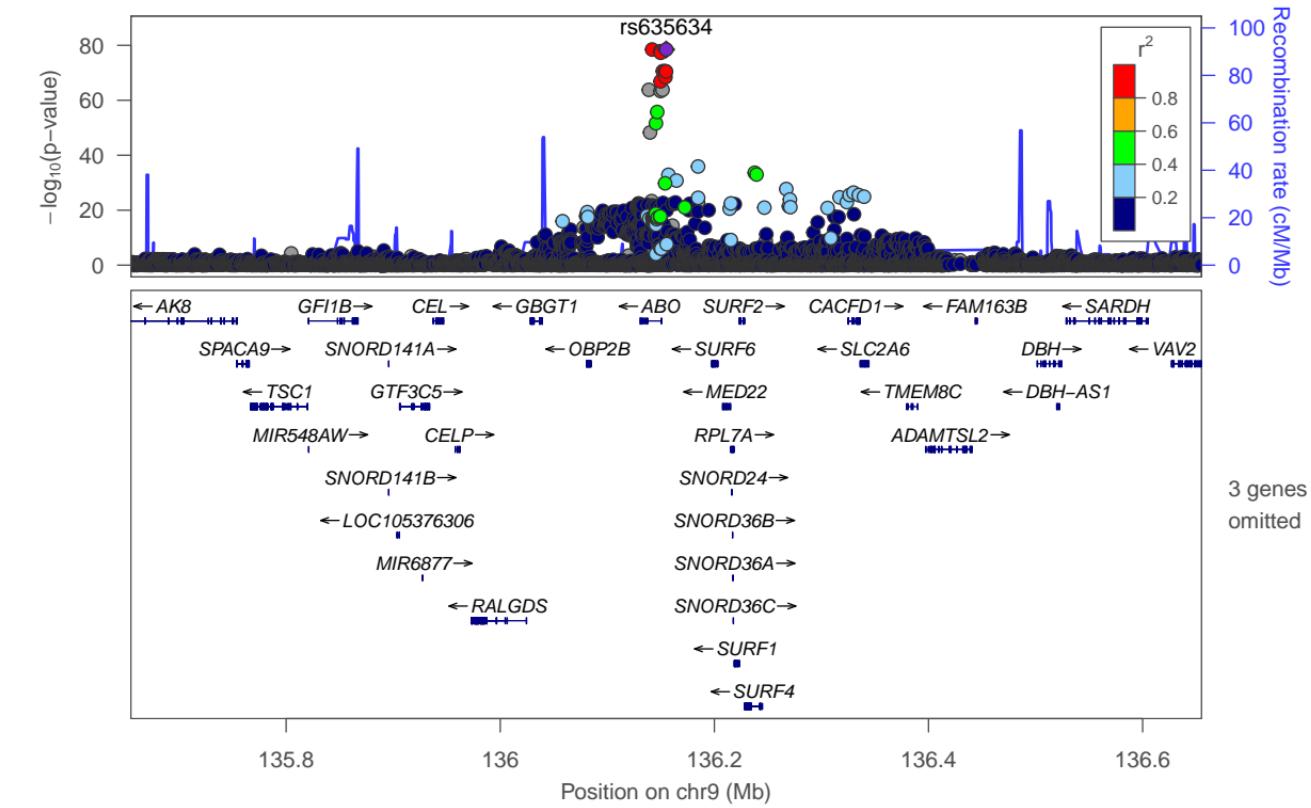
-0.29 [-0.32; -0.26] 100.0%
-0.29 [-0.37; -0.21] -- 100.0%

Fixed effect model
Random effects model

Heterogeneity: $I^2 = 84\%$, $\tau^2 = 0.0133$, $p < 0.01$



LIF-R (LIFR)-rs635634



MCP-1 [chr1:159175354_A_G (rs12075) (A/G) N=14730]

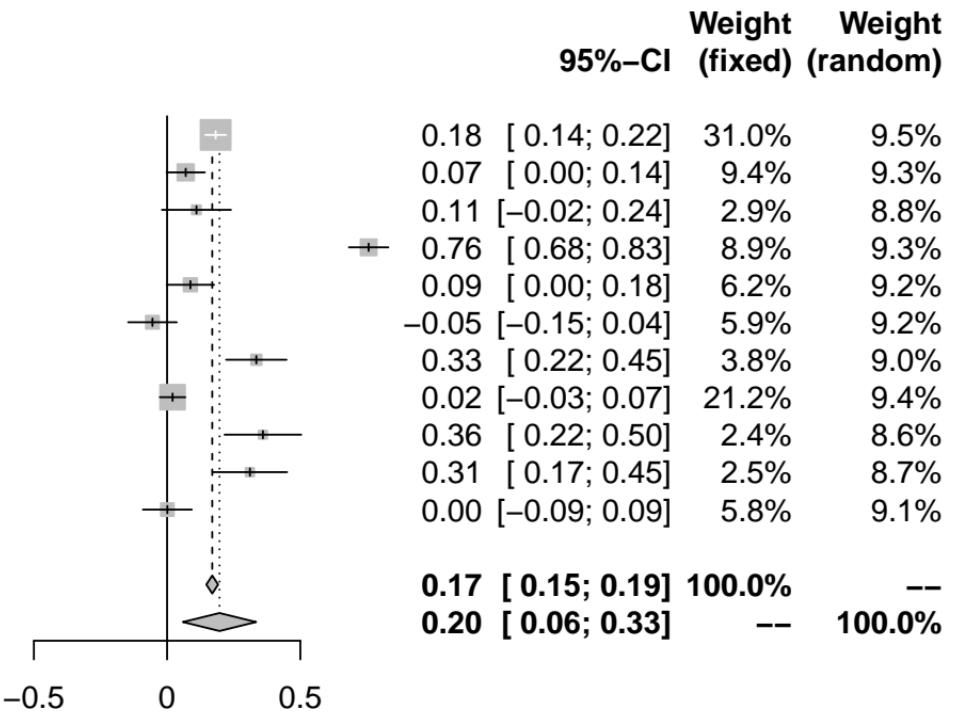
Study

	TE	seTE
INTERVAL (4896)	0.18	0.0203
BioFinder (1496)	0.07	0.0368
EGCUT (487)	0.11	0.0662
KORA (1064)	0.76	0.0378
NSPHS (866)	0.09	0.0455
ORCADES (981)	-0.05	0.0466
RECOMBINE (445)	0.33	0.0579
STABILITY (2951)	0.02	0.0246
STANLEY (344)	0.36	0.0735
STANLEY (300)	0.31	0.0713
VIS (900)	0.00	0.0469

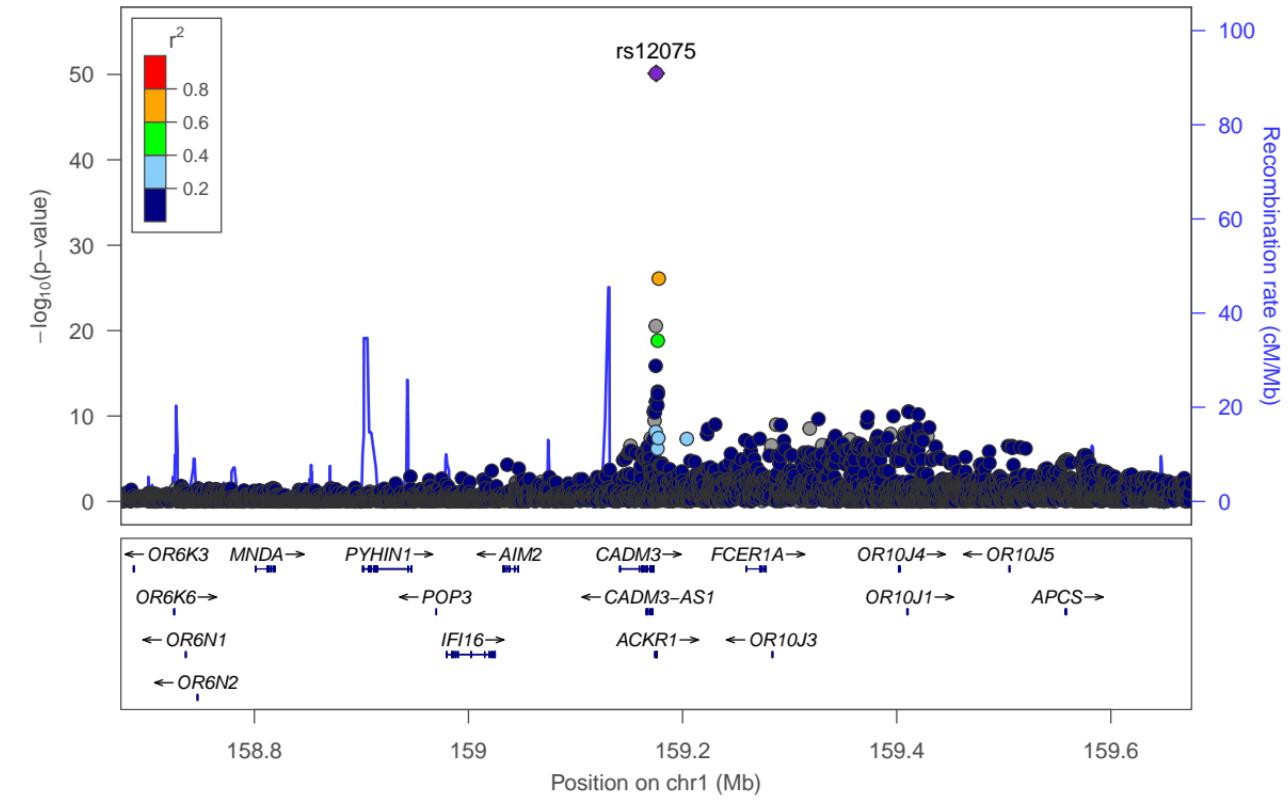
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.0515$, $p < 0.01$



MCP-1 (CCL2)-rs12075

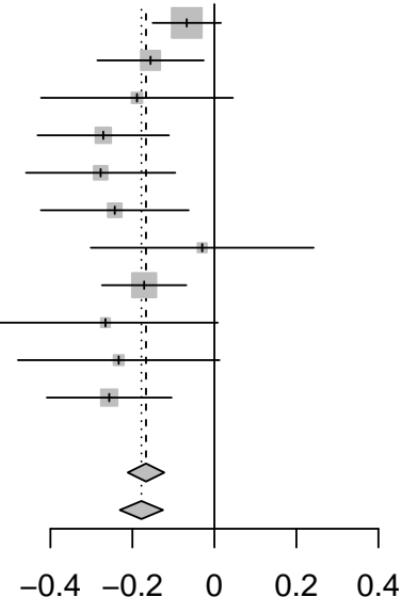


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (900)

TE seTE

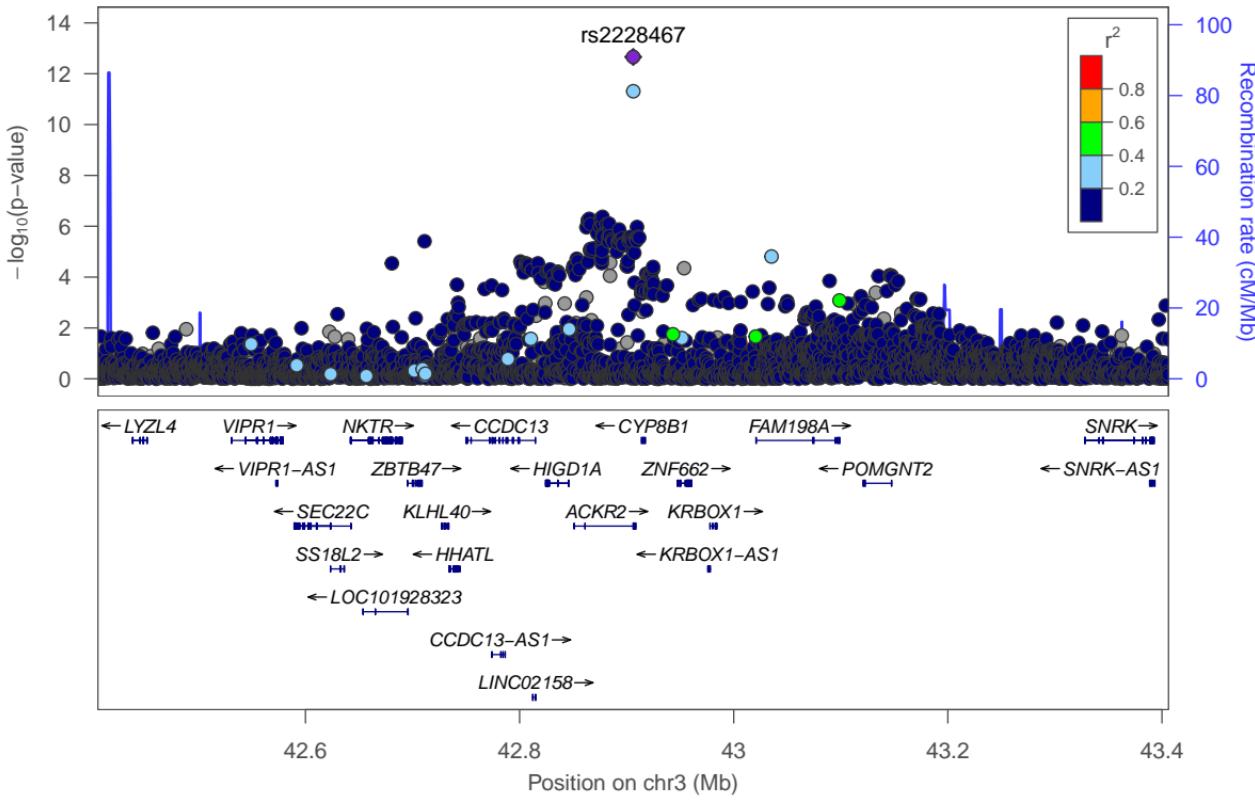
-0.07	0.0424
-0.16	0.0662
-0.19	0.1194
-0.27	0.0817
-0.28	0.0928
-0.24	0.0919
-0.03	0.1386
-0.17	0.0524
-0.27	0.1398
-0.23	0.1254
-0.26	0.0777

MCP-1 [chr3:42906116_C_T (rs2228467) (T/C) N=14732]**Fixed effect model****Random effects model**

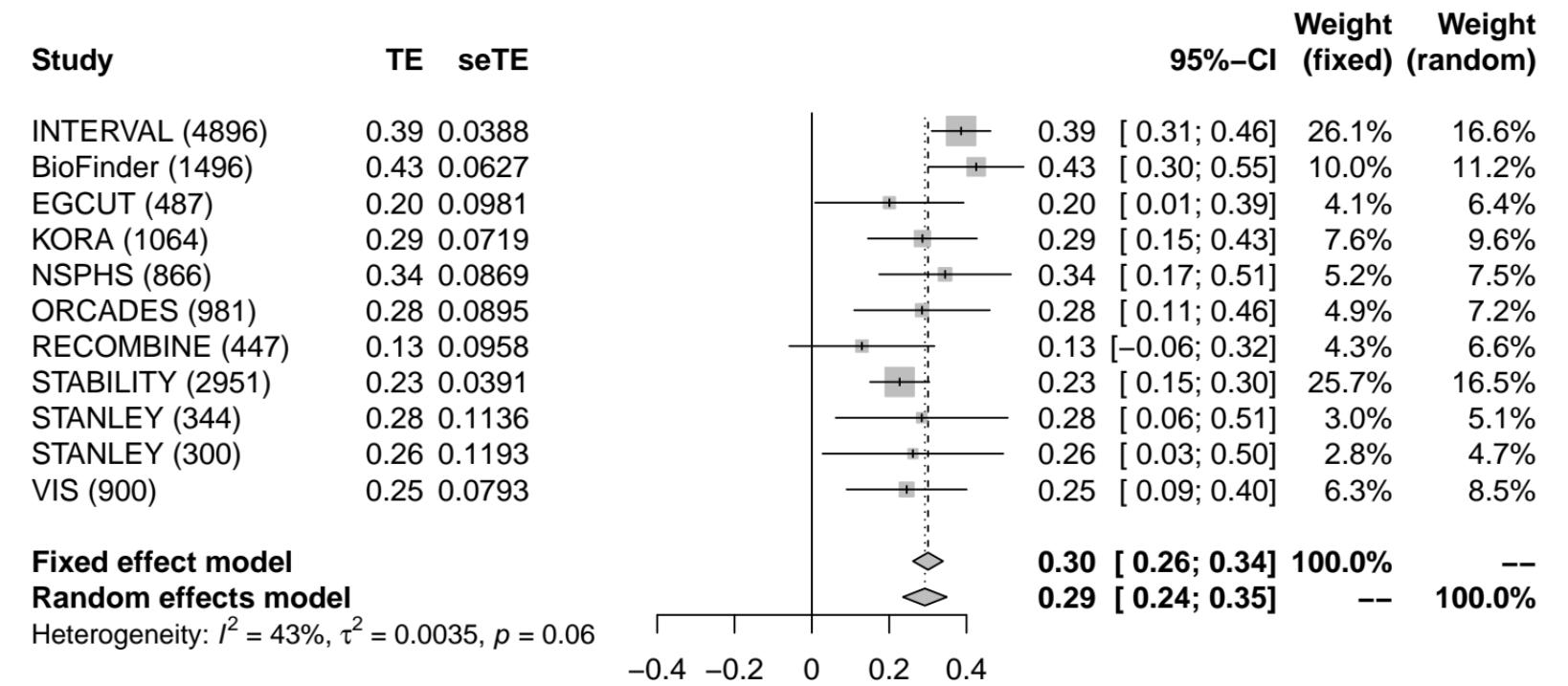
Heterogeneity: $I^2 = 19\%$, $\tau^2 = 0.0015$, $p = 0.26$

95%-CI Weight (fixed) Weight (random)

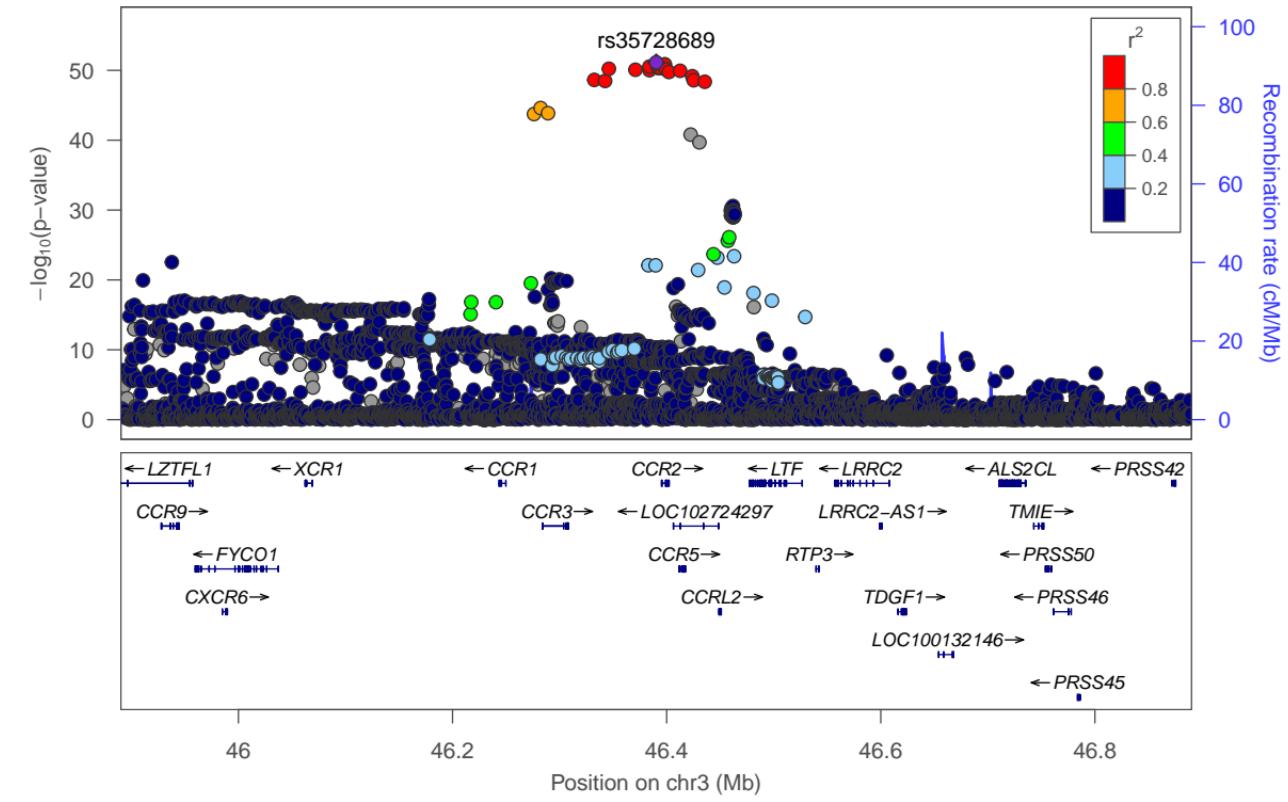
-0.17 [-0.21; -0.12]	100.0%	--
-0.18 [-0.23; -0.13]	--	100.0%

MCP-1 (CCL2)-rs2228467

MCP-1 [chr3:46390228_A_G (rs35728689) (A/G) N=14732]



MCP-1 (CCL2)-rs35728689

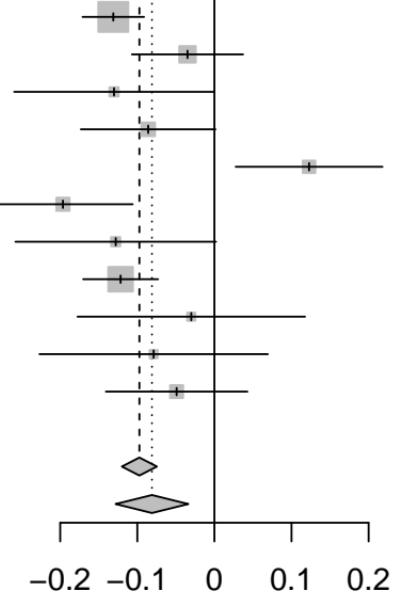


Study

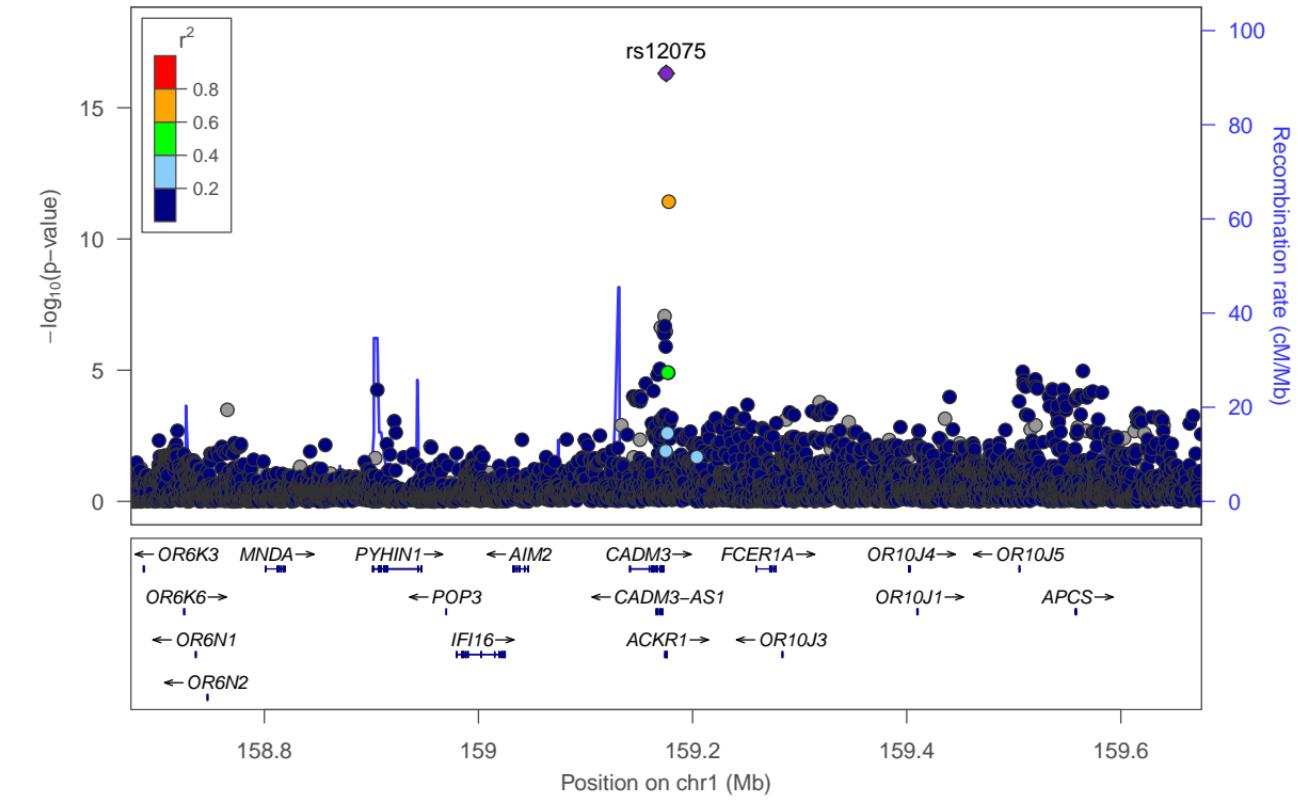
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (445)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

-0.13 0.0204
-0.03 0.0368
-0.13 0.0661
-0.09 0.0446
0.12 0.0486
-0.20 0.0462
-0.13 0.0664
-0.12 0.0248
-0.03 0.0753
-0.08 0.0756
-0.05 0.0468

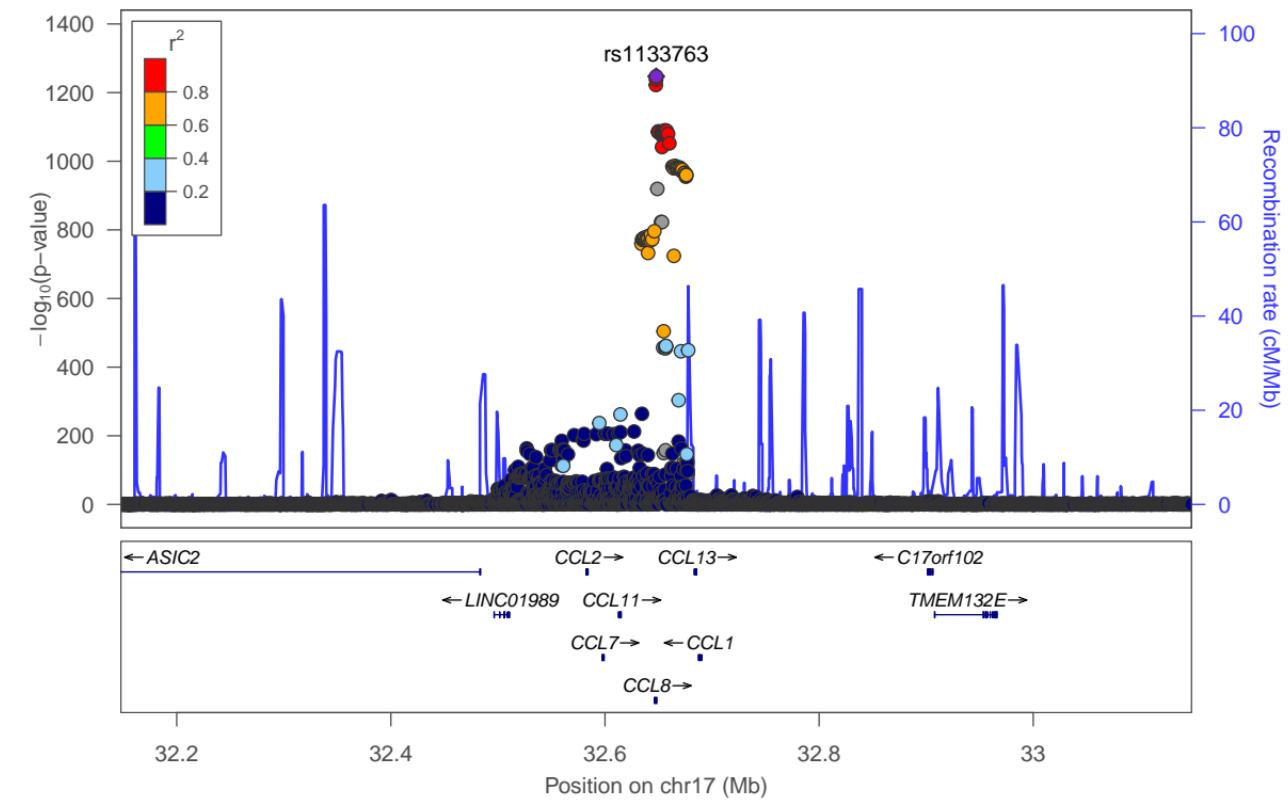
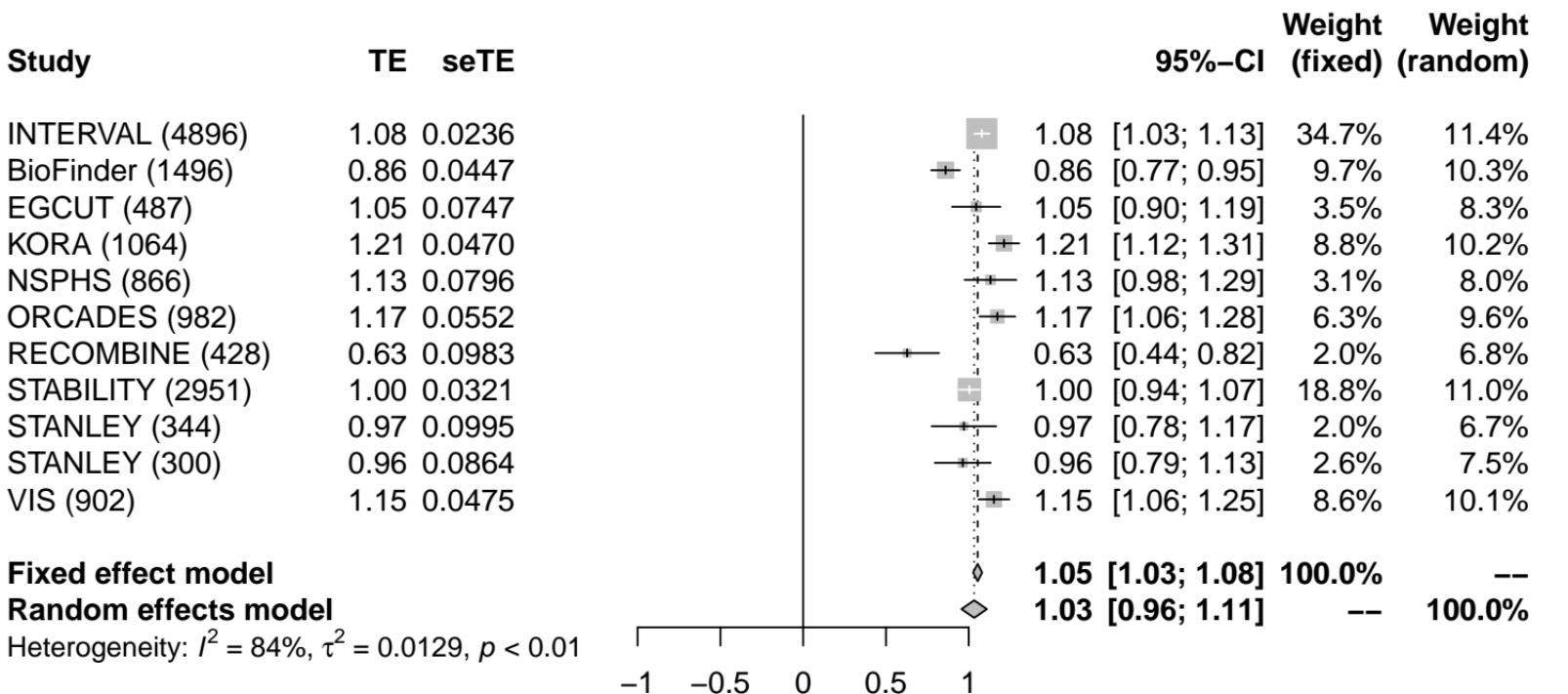


Heterogeneity: $I^2 = 71\%$, $\tau^2 = 0.0040$, $p < 0.01$

Weight (fixed) Weight (random)**MCP-2 (CCL8)-rs12075**

MCP-2 (CCL8)-rs1133763

MCP-2 [chr17:32647831_A_C (rs1133763) (A/C) N=14716]

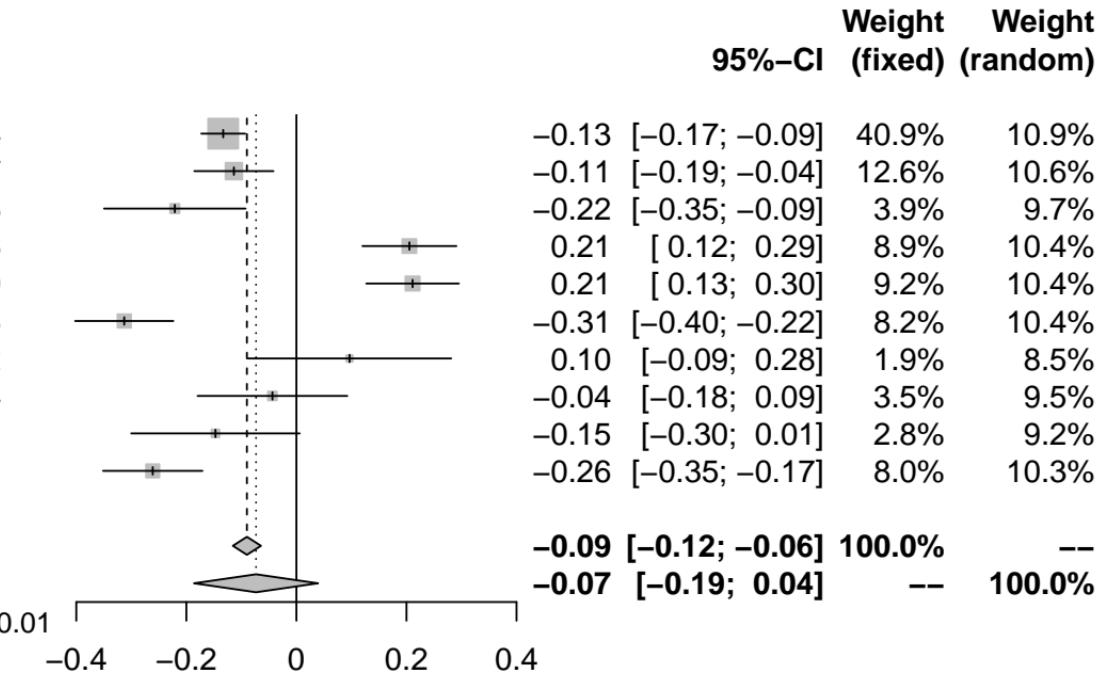


MCP-3 [chr1:159175354_A_G (rs12075) (A/G) N=11780]

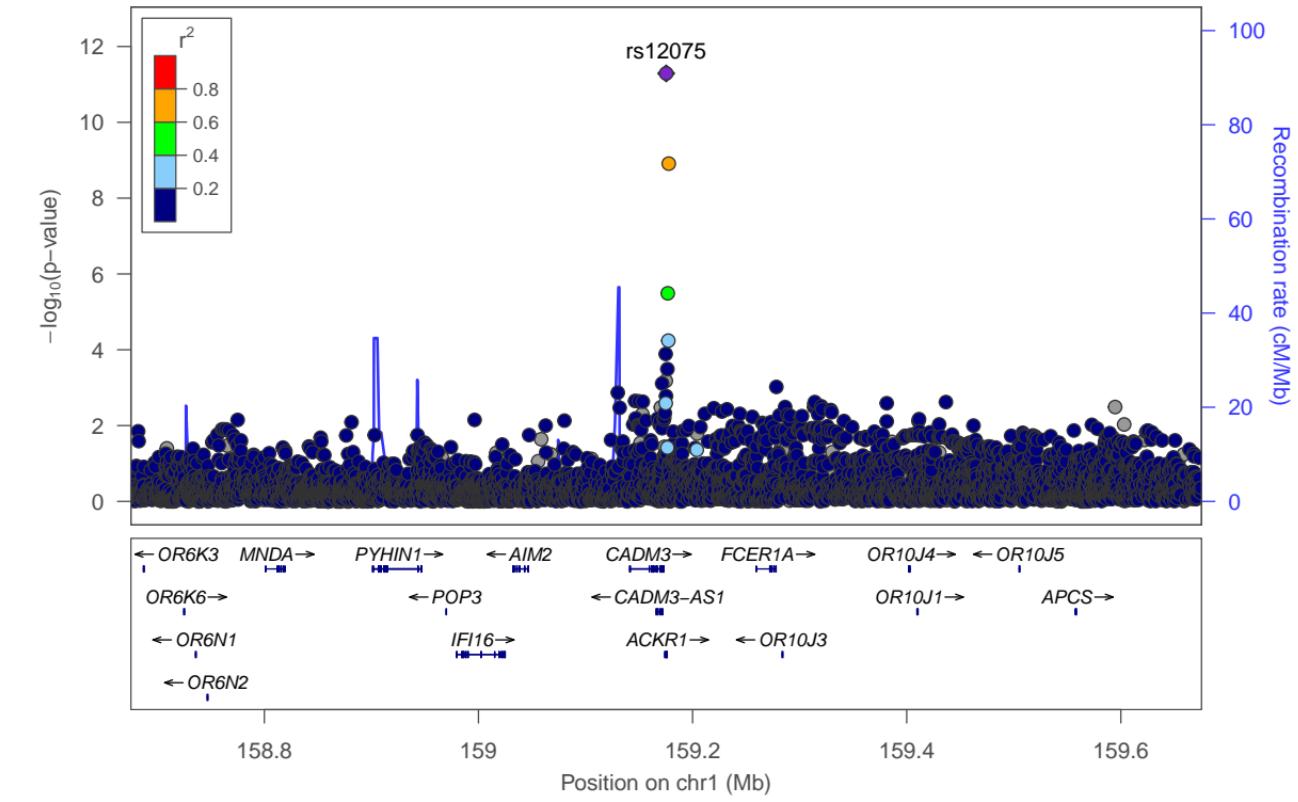
Study

	TE	seTE			Weight	Weight
				95%-CI	(fixed)	(random)
INTERVAL (4896)	-0.13	0.0204		-0.13 [-0.17; -0.09]	40.9%	10.9%
BioFinder (1496)	-0.11	0.0367		-0.11 [-0.19; -0.04]	12.6%	10.6%
EGCUT (487)	-0.22	0.0656		-0.22 [-0.35; -0.09]	3.9%	9.7%
KORA (1064)	0.21	0.0436		0.21 [0.12; 0.29]	8.9%	10.4%
NSPHS (866)	0.21	0.0429		0.21 [0.13; 0.30]	9.2%	10.4%
ORCADES (982)	-0.31	0.0455		-0.31 [-0.40; -0.22]	8.2%	10.4%
RECOMBINE (445)	0.10	0.0942		0.10 [-0.09; 0.28]	1.9%	8.5%
STANLEY (344)	-0.04	0.0694		-0.04 [-0.18; 0.09]	3.5%	9.5%
STANLEY (300)	-0.15	0.0781		-0.15 [-0.30; 0.01]	2.8%	9.2%
VIS (900)	-0.26	0.0461		-0.26 [-0.35; -0.17]	8.0%	10.3%
Fixed effect model				-0.09 [-0.12; -0.06]	100.0%	--
Random effects model				-0.07 [-0.19; 0.04]	--	100.0%

Heterogeneity: $I^2 = 94\%$, $\tau^2 = 0.0298$, $p < 0.01$



MCP-3 (CCL7)-rs12075



MCP-3 (CCL7)-rs7213460

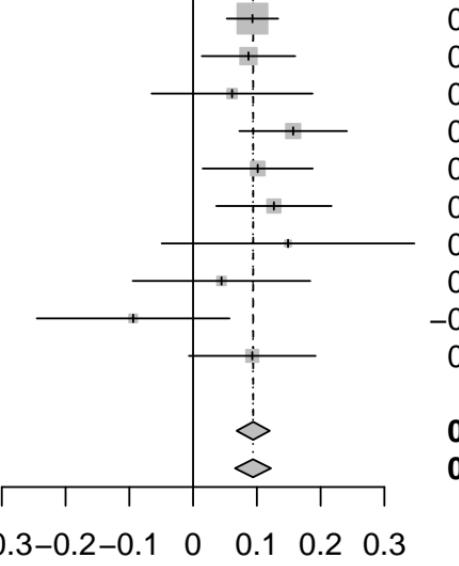
MCP-3 [chr17:32522613_A_G (rs7213460) (A/G) N=11780]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (445)
STANLEY (344)
STANLEY (300)
VIS (900)

TE seTE

0.09 0.0205
0.09 0.0373
0.06 0.0644
0.16 0.0430
0.10 0.0440
0.13 0.0461
0.15 0.1011
0.04 0.0710
-0.09 0.0771
0.09 0.0507

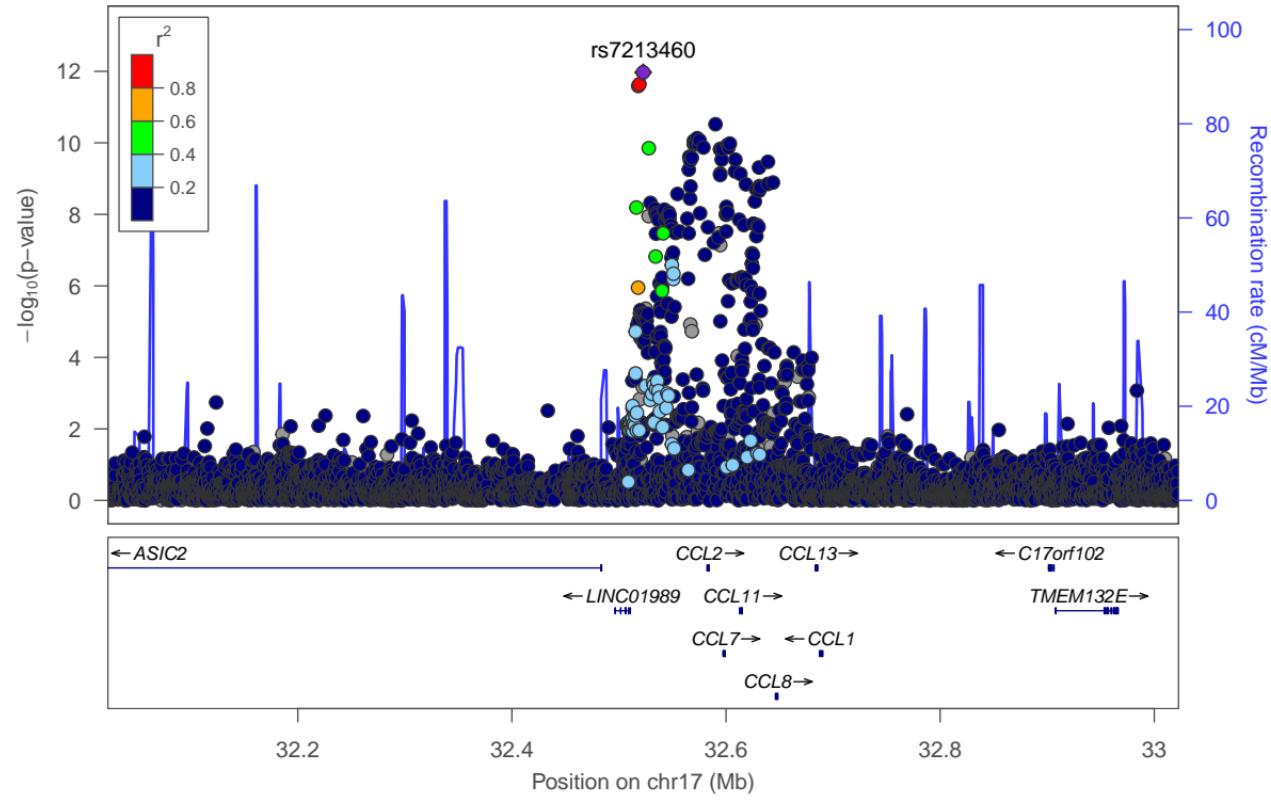


	TE	95%-CI	Weight (fixed)	Weight (random)
		0.09 [0.05; 0.13]	41.6%	35.8%
		0.09 [0.01; 0.16]	12.6%	13.3%
		0.06 [-0.07; 0.19]	4.2%	4.8%
		0.16 [0.07; 0.24]	9.5%	10.3%
		0.10 [0.02; 0.19]	9.0%	9.9%
		0.13 [0.04; 0.22]	8.2%	9.0%
		0.15 [-0.05; 0.35]	1.7%	2.0%
		0.04 [-0.09; 0.18]	3.5%	4.0%
		-0.09 [-0.25; 0.06]	2.9%	3.4%
		0.09 [-0.01; 0.19]	6.8%	7.6%
		0.09 [0.07; 0.12]	100.0%	--
		0.09 [0.07; 0.12]	--	100.0%

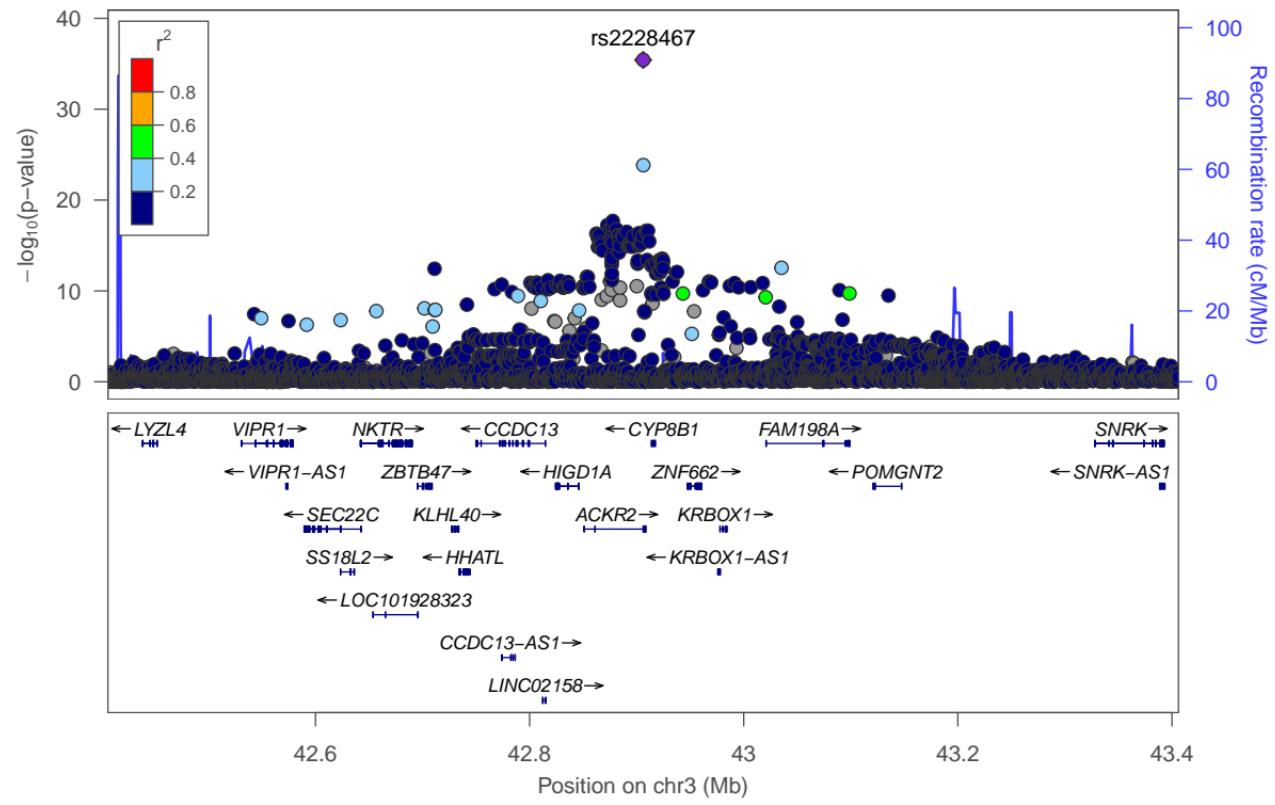
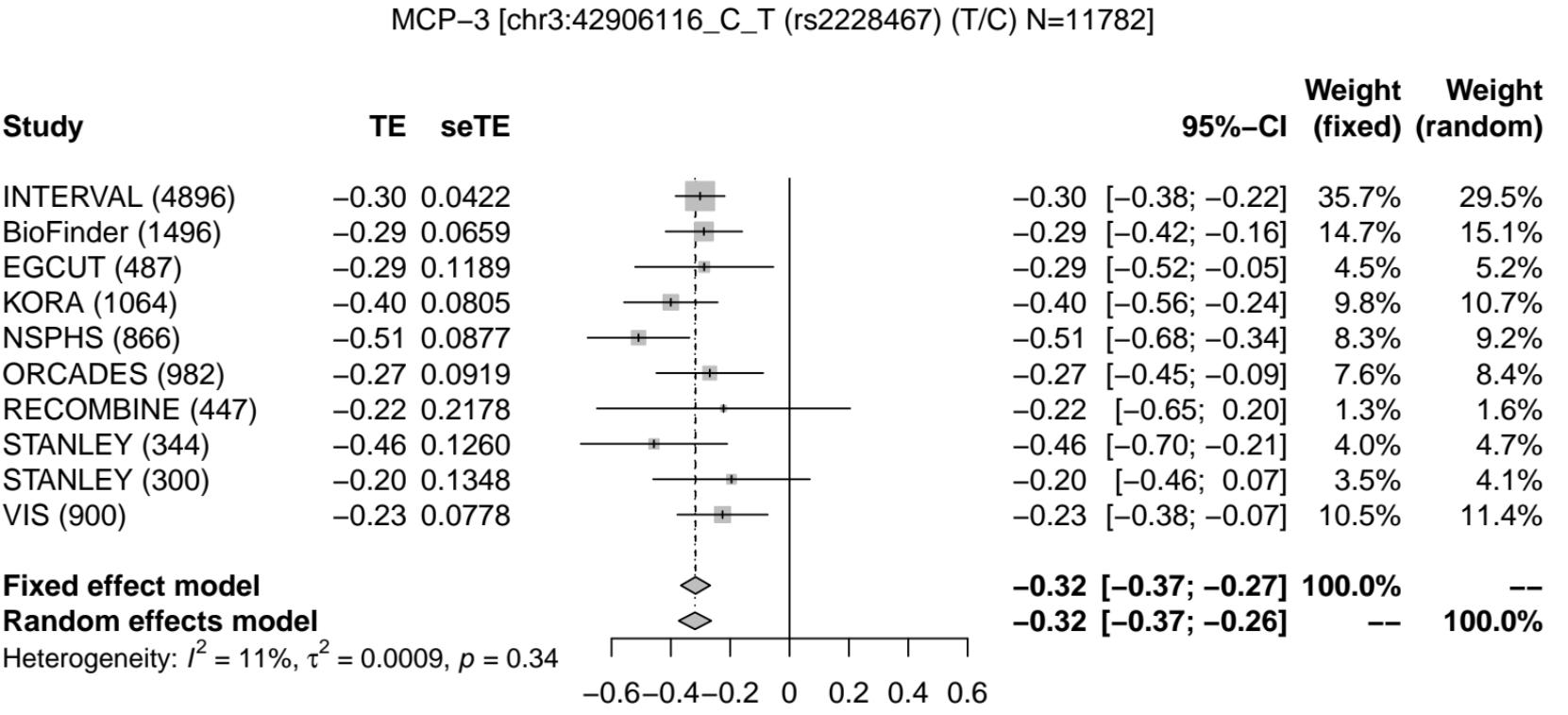
Fixed effect model

Random effects model

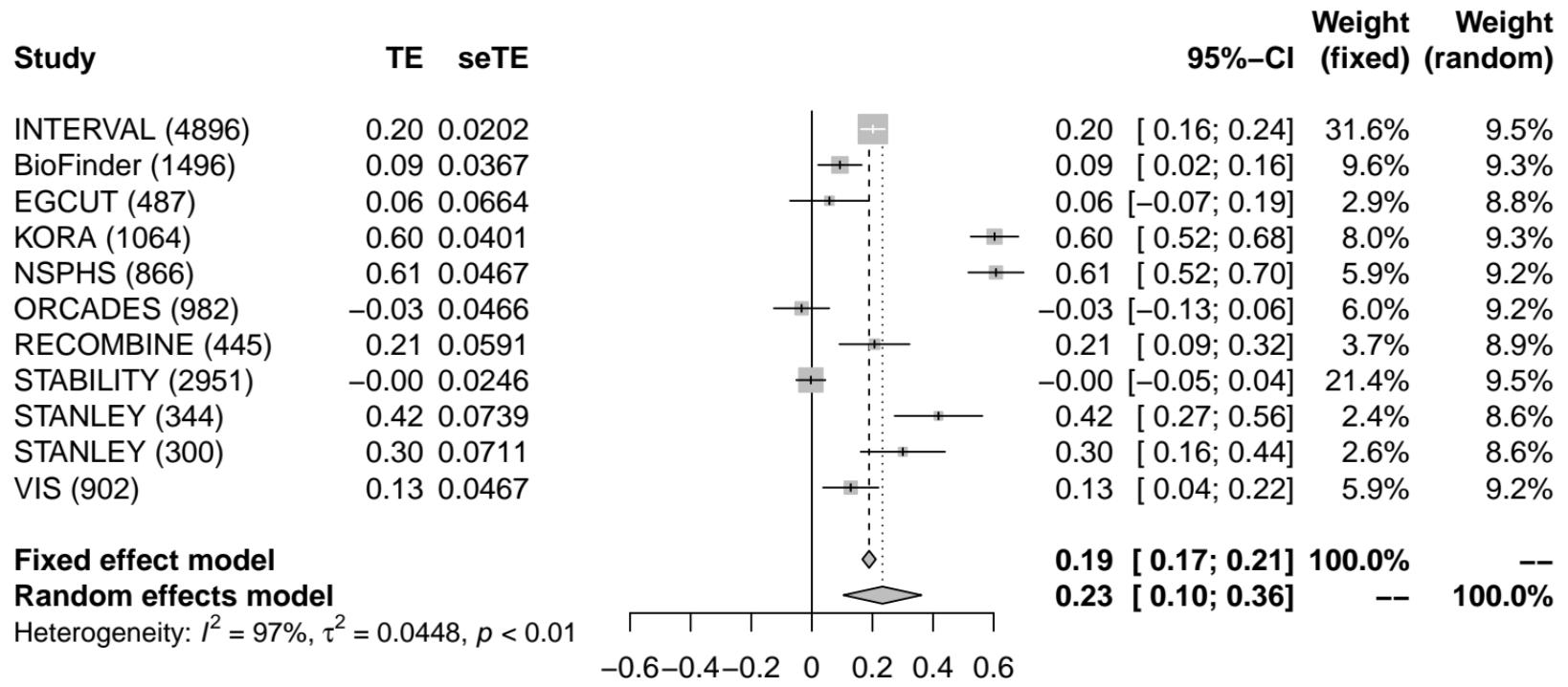
Heterogeneity: $I^2 = 7\%$, $\tau^2 = 0.0002$, $p = 0.38$



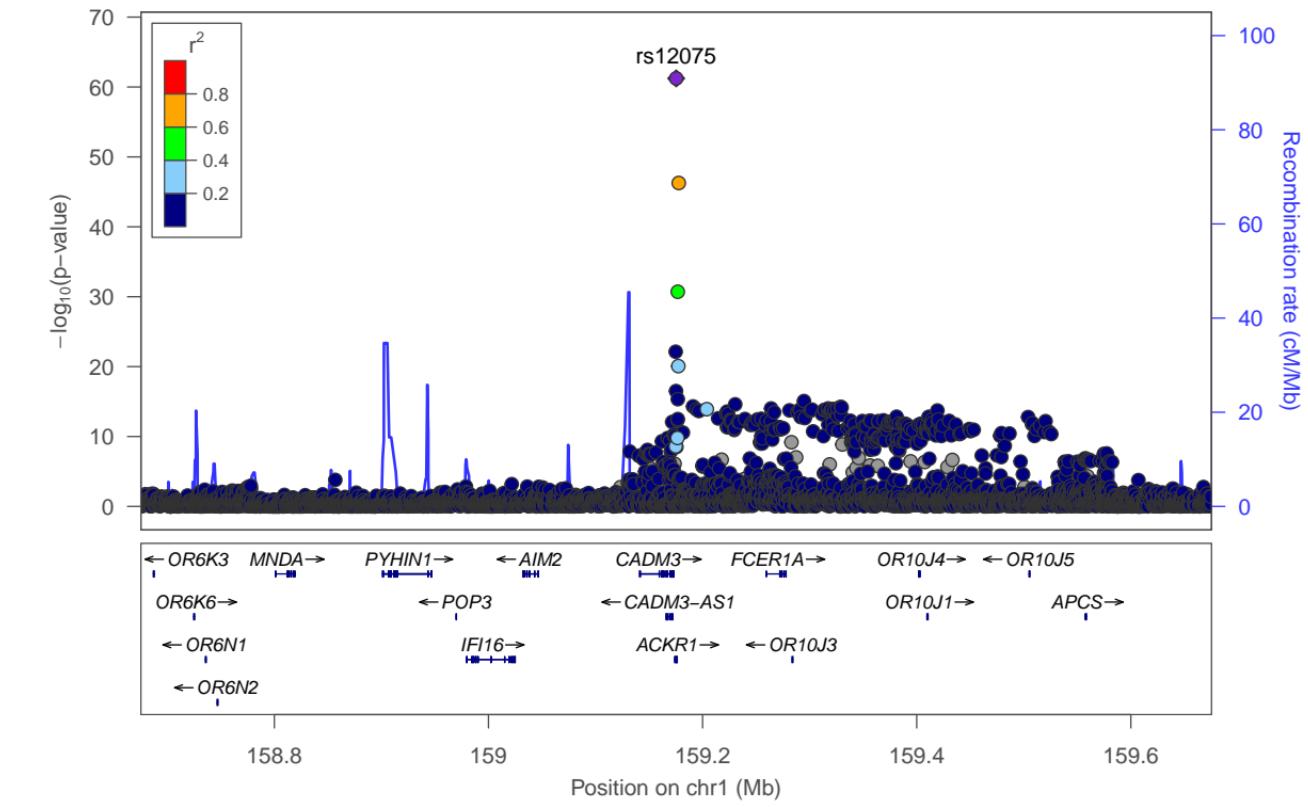
MCP-3 (CCL7)-rs2228467



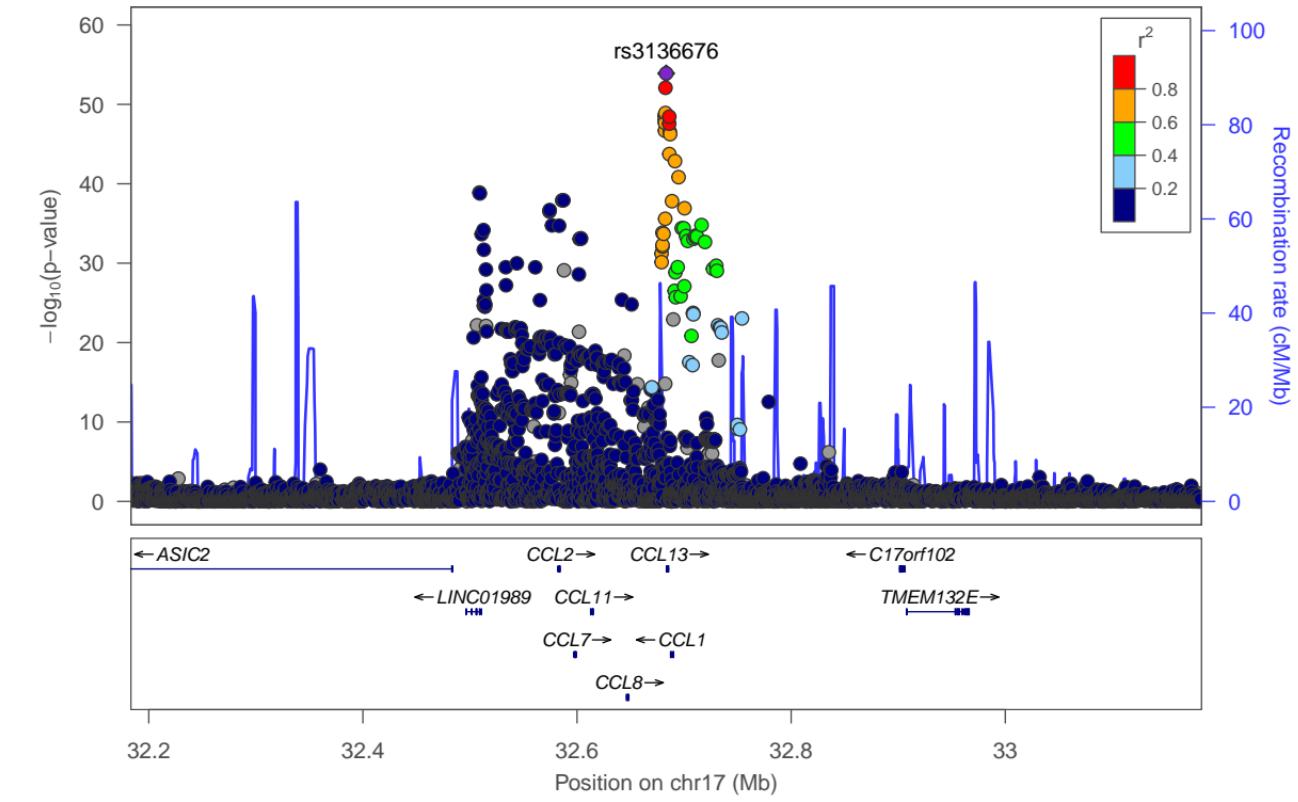
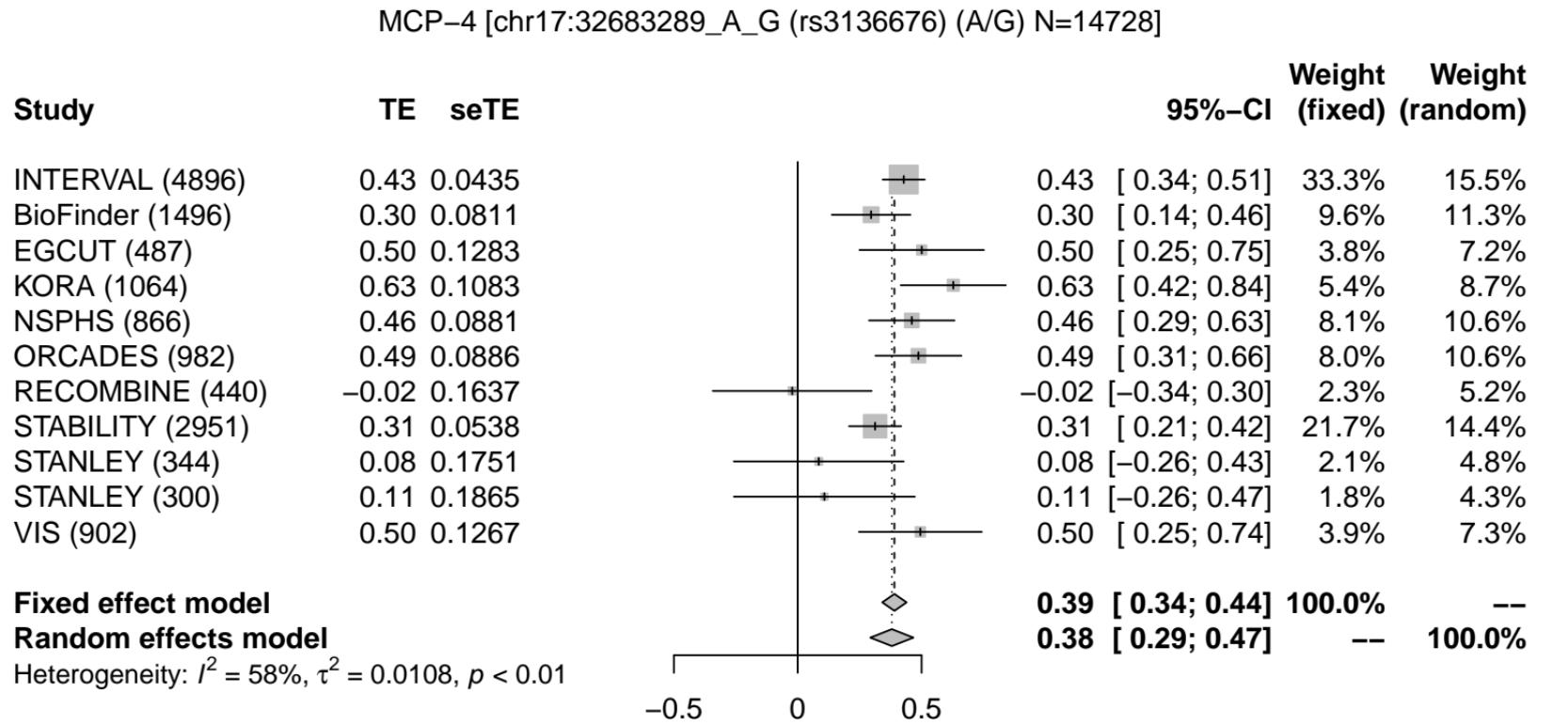
MCP-4 [chr1:159175354_A_G (rs12075) (A/G) N=14733]



MCP-4 (CCL13)-rs12075

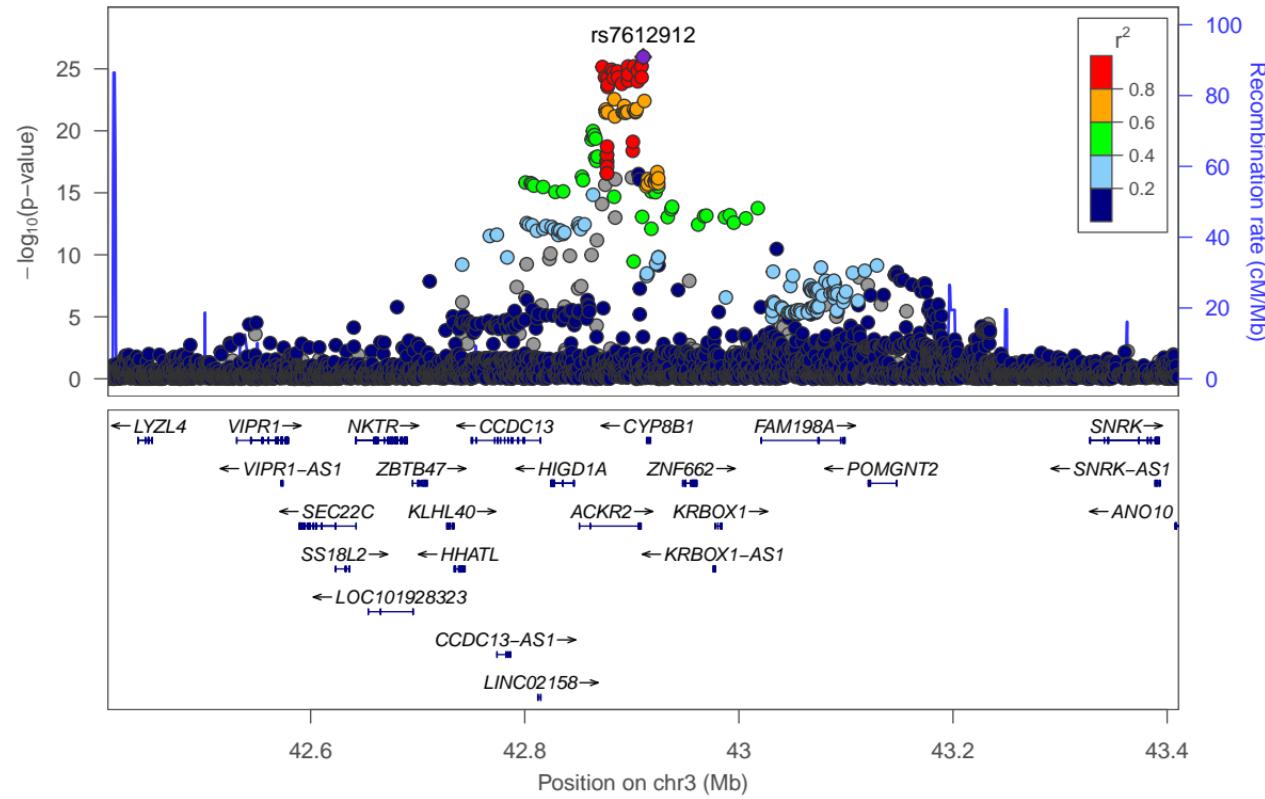
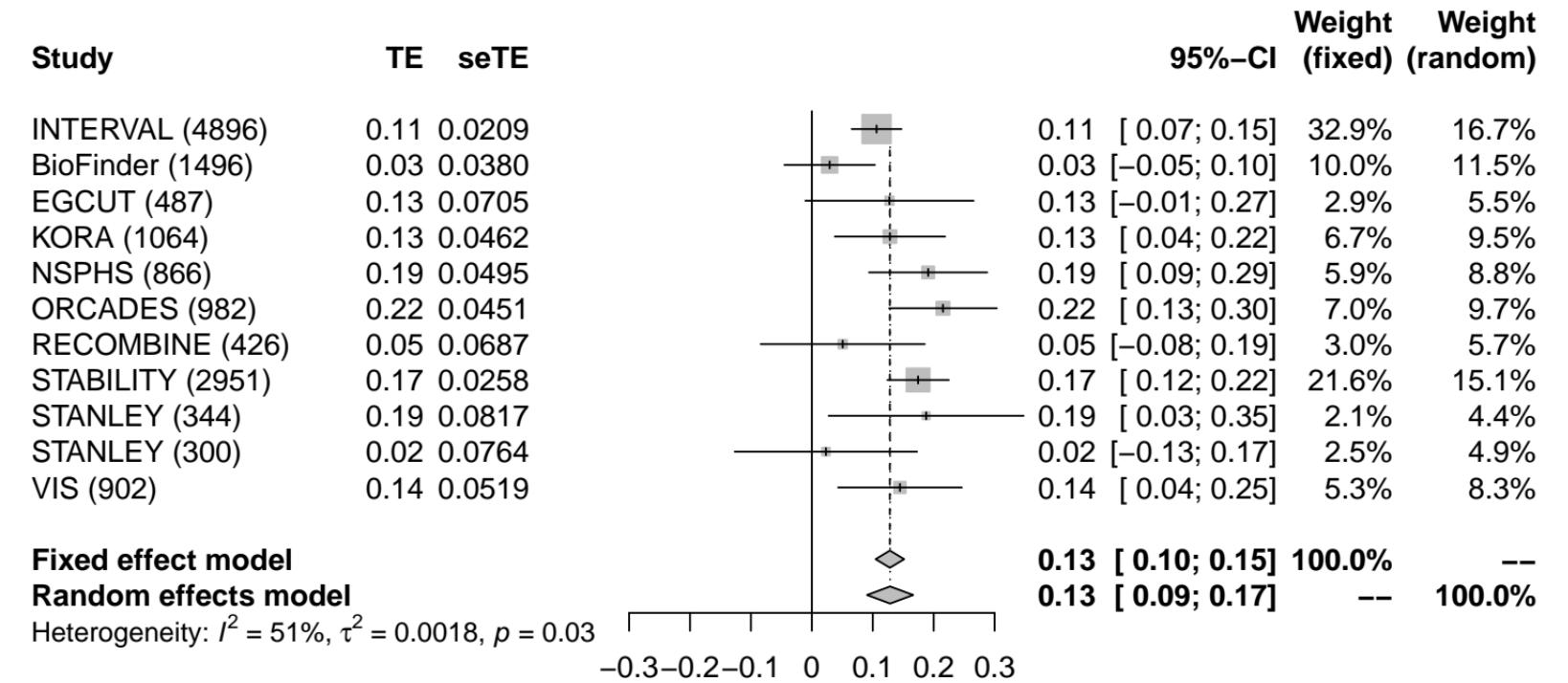


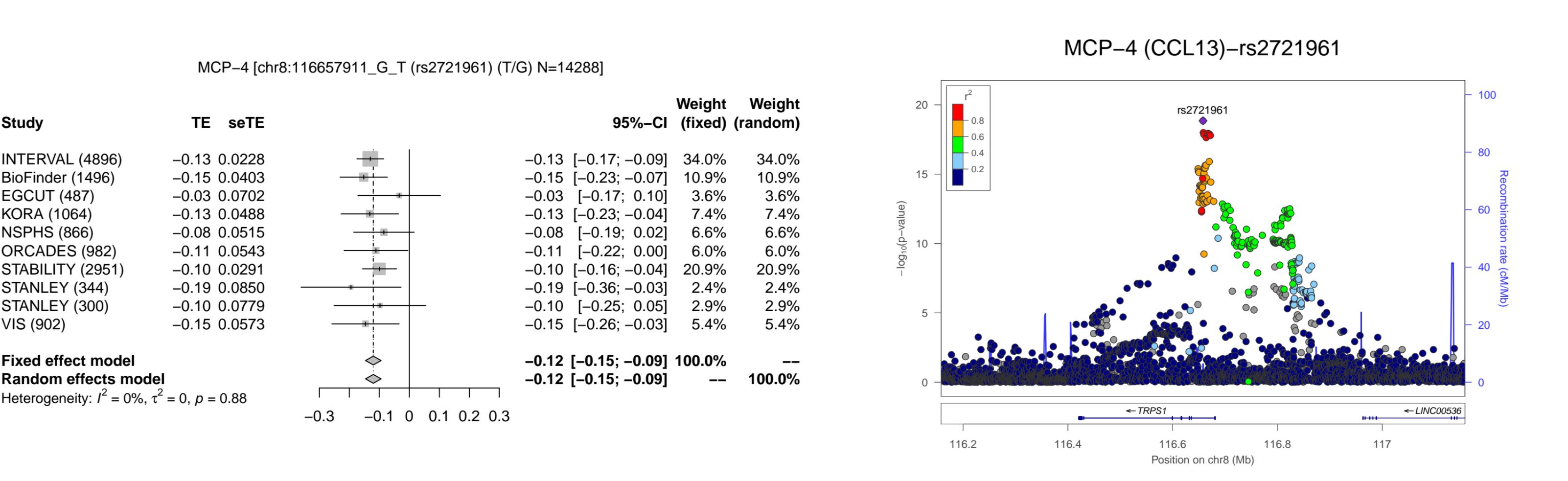
MCP-4 (CCL13)-rs3136676



MCP-4 (CCL13)-rs7612912

MCP-4 [chr3:42910621_C_T (rs7612912) (T/C) N=14714]



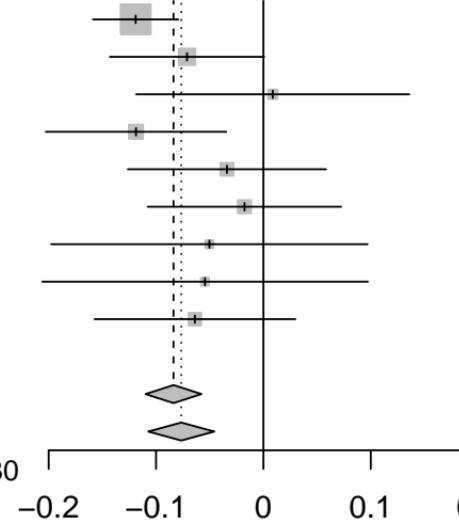


MIP-1 alpha [chr12:111932800_C_T (rs7137828) (T/C) N=11344]

Study

Study	TE	seTE
INTERVAL (4896)	-0.12	0.0203
BioFinder (1496)	-0.07	0.0367
EGCUT (487)	0.01	0.0649
KORA (1064)	-0.12	0.0429
NSPHS (874)	-0.03	0.0471
ORCADES (982)	-0.02	0.0460
STANLEY (344)	-0.05	0.0752
STANLEY (300)	-0.05	0.0774
VIS (901)	-0.06	0.0477

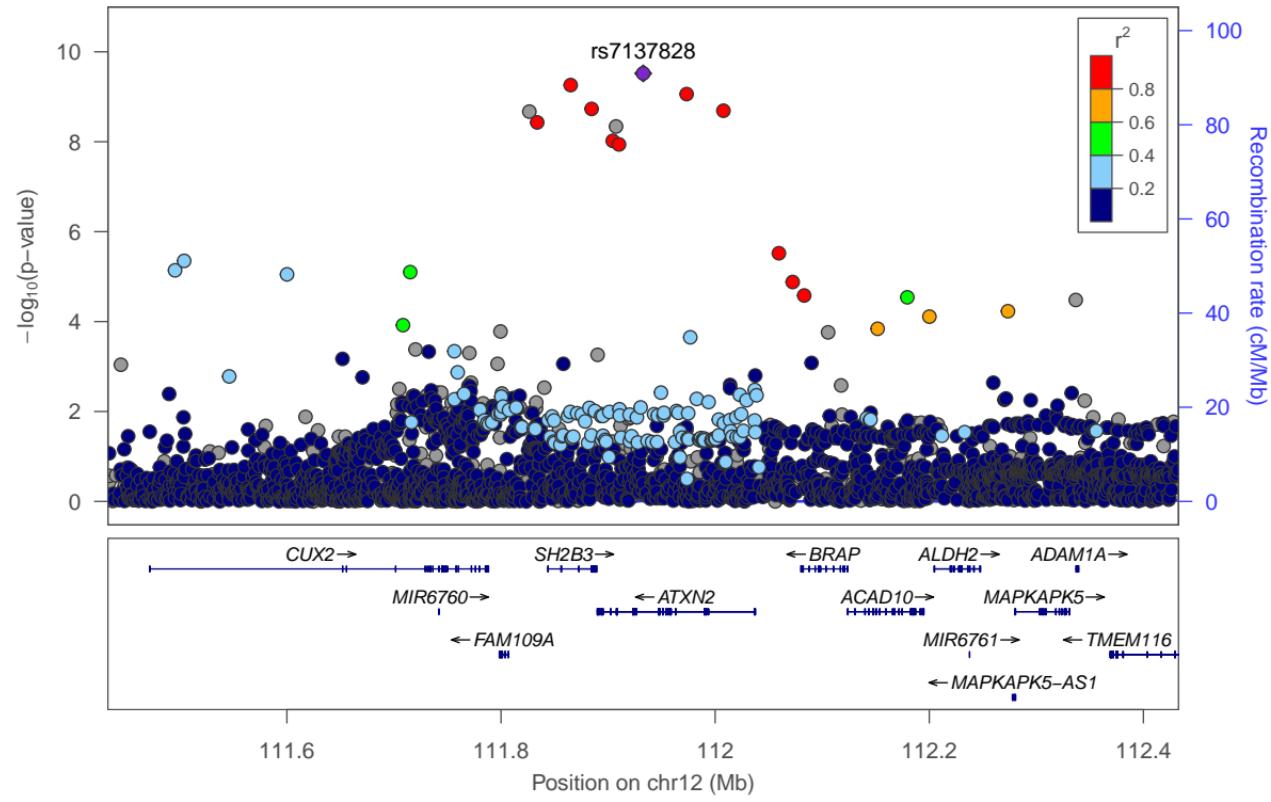
TE **seTE**

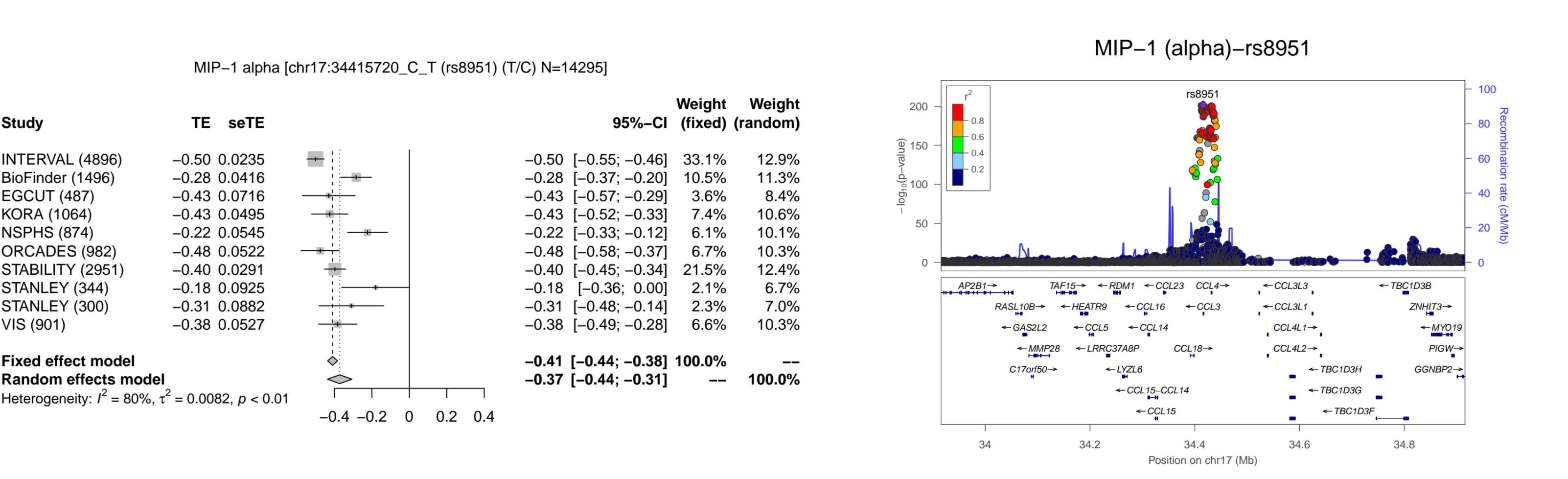


		95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	42.9%	32.1%
		-0.07 [-0.14; 0.00]	13.1%	14.5%
		0.01 [-0.12; 0.14]	4.2%	5.4%
		-0.12 [-0.20; -0.03]	9.6%	11.2%
		-0.03 [-0.13; 0.06]	8.0%	9.6%
		-0.02 [-0.11; 0.07]	8.4%	10.0%
		-0.05 [-0.20; 0.10]	3.1%	4.1%
		-0.05 [-0.21; 0.10]	3.0%	3.9%
		-0.06 [-0.16; 0.03]	7.8%	9.3%
Fixed effect model		-0.08 [-0.11; -0.06]	100.0%	--
Random effects model		-0.08 [-0.11; -0.05]	--	100.0%

Heterogeneity: $I^2 = 16\%$, $\tau^2 = 0.0004$, $p = 0.30$

MIP-1 (alpha)-rs7137828





MMP-10 [chr11:102649482_C_T (rs17860955) (T/C) N=14256]

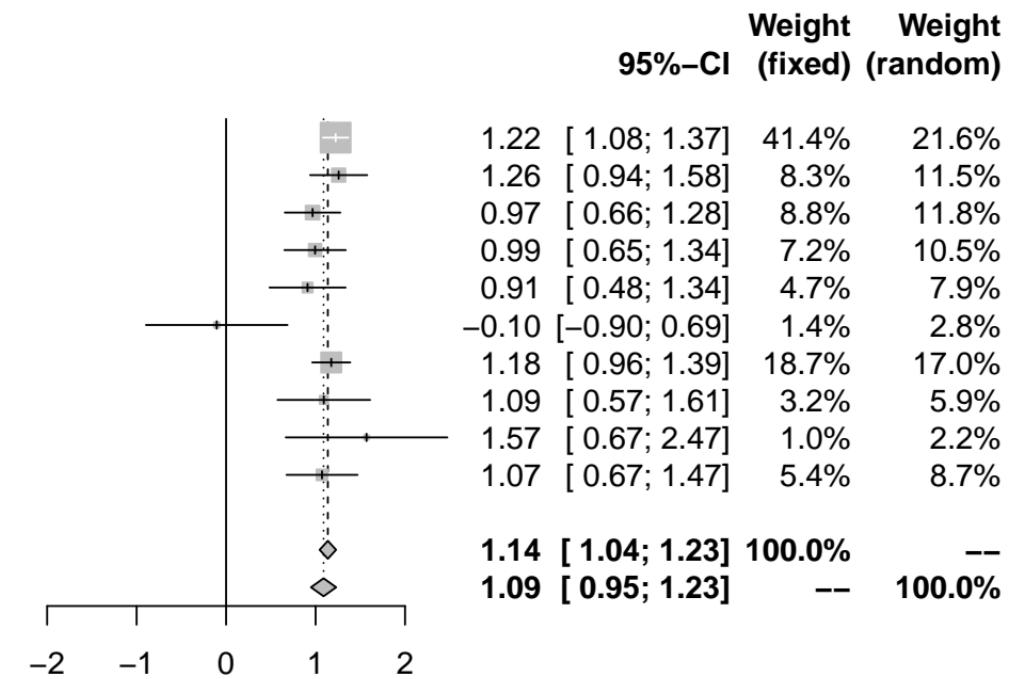
Study

	TE	seTE
INTERVAL (4896)	1.22	0.0730
BioFinder (1496)	1.26	0.1630
KORA (1064)	0.97	0.1585
NSPHS (874)	0.99	0.1752
ORCADES (982)	0.91	0.2172
RECOMBINE (447)	-0.10	0.4038
STABILITY (2951)	1.18	0.1086
STANLEY (344)	1.09	0.2641
STANLEY (300)	1.57	0.4610
VIS (902)	1.07	0.2027

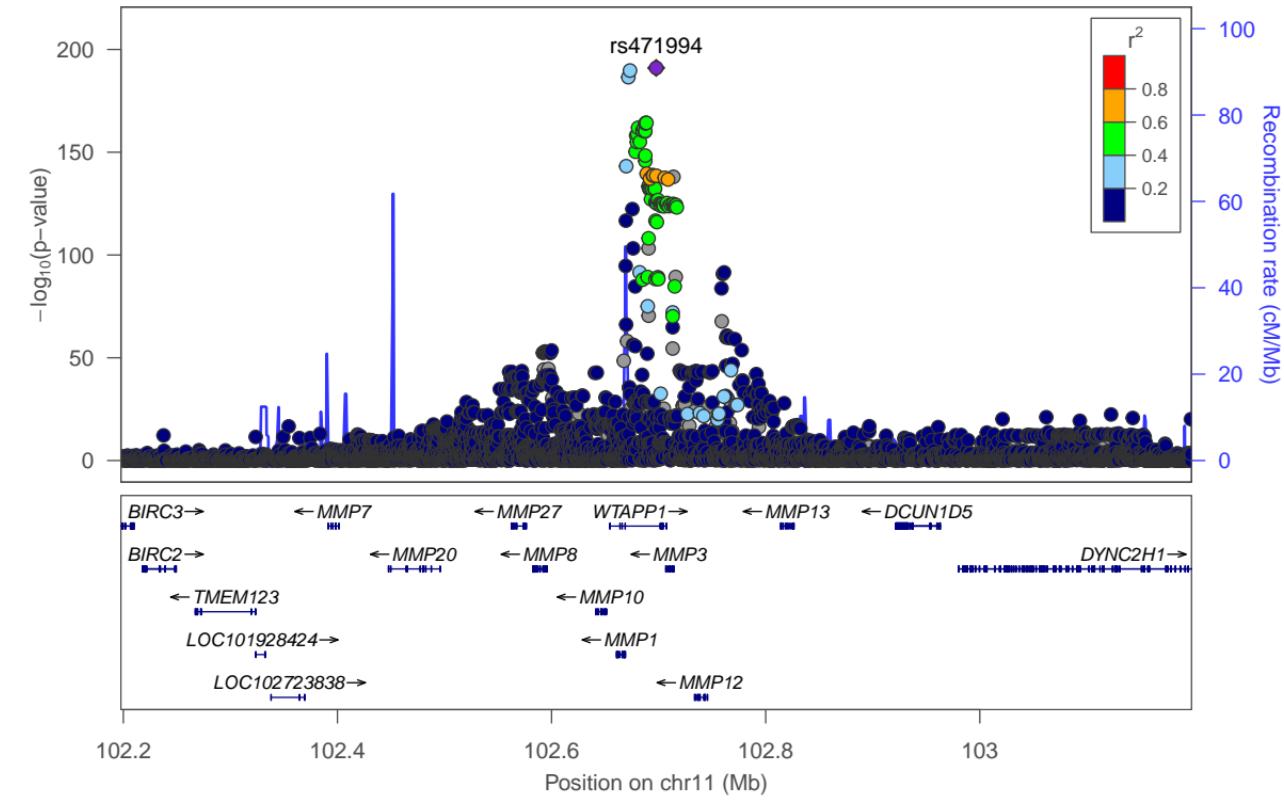
Fixed effect model

Random effects model

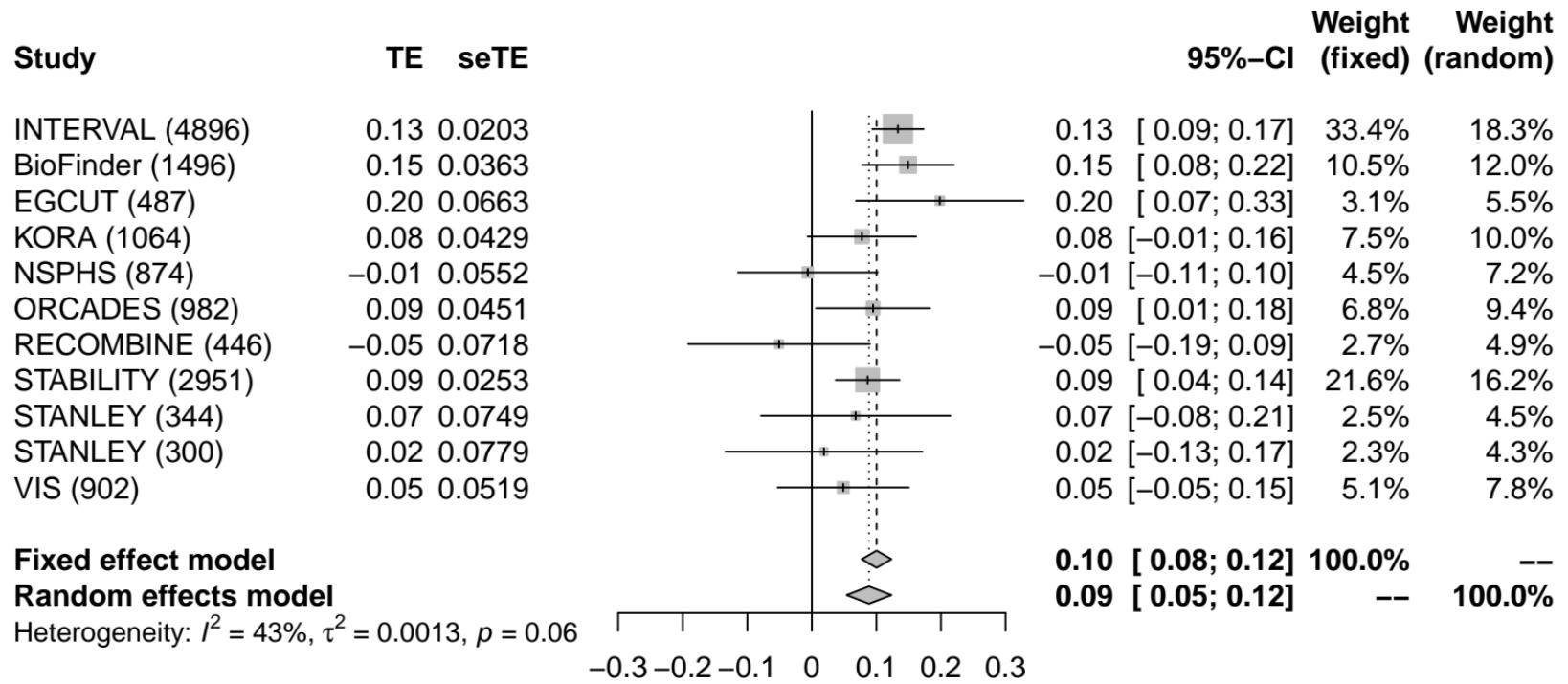
Heterogeneity: $I^2 = 42\%$, $\tau^2 = 0.0186$, $p = 0.08$



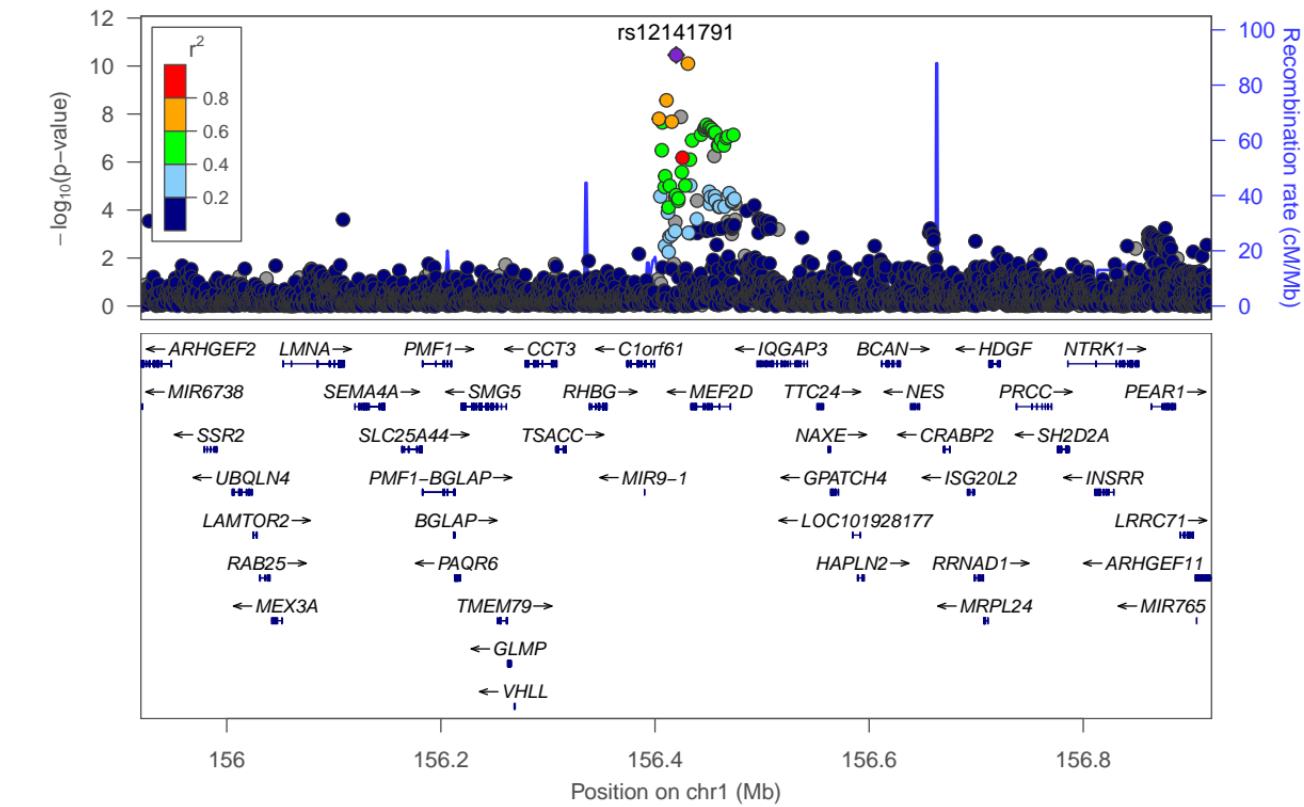
MMP-1 (MMP1)-rs471994



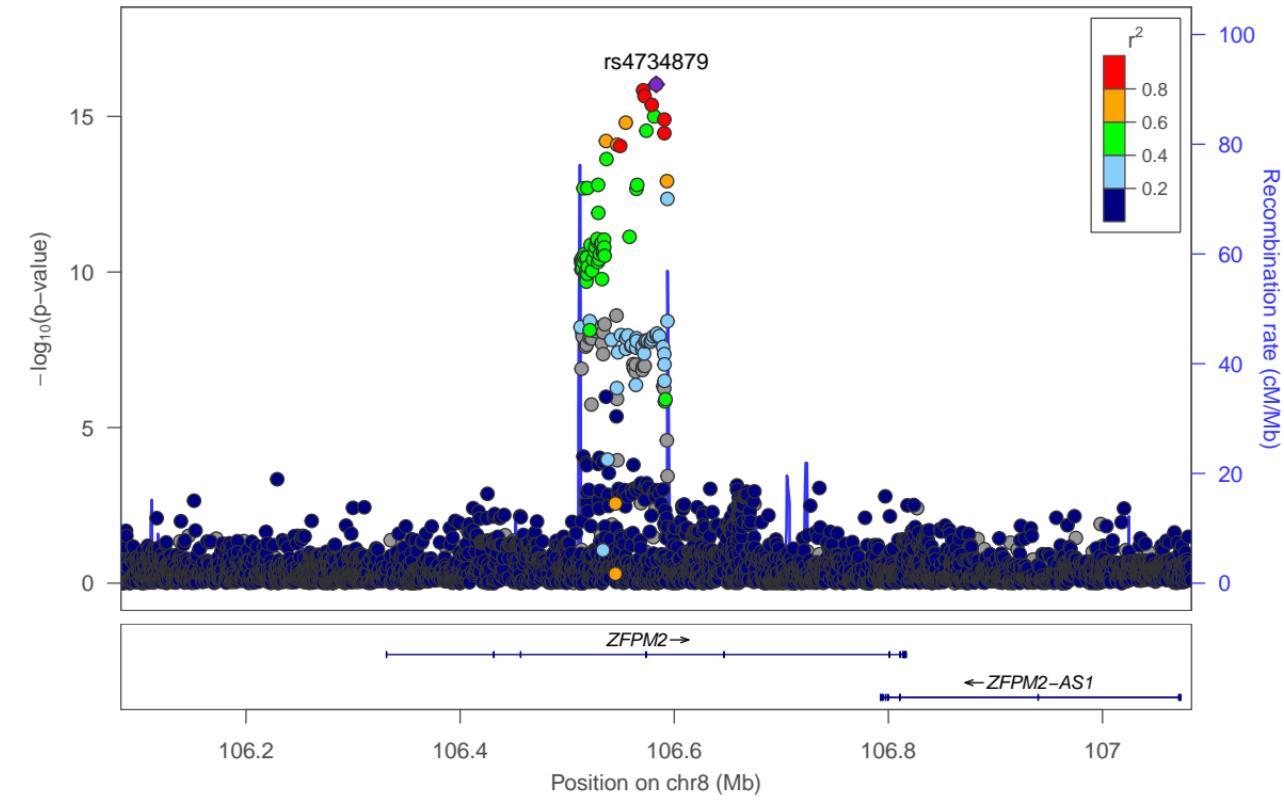
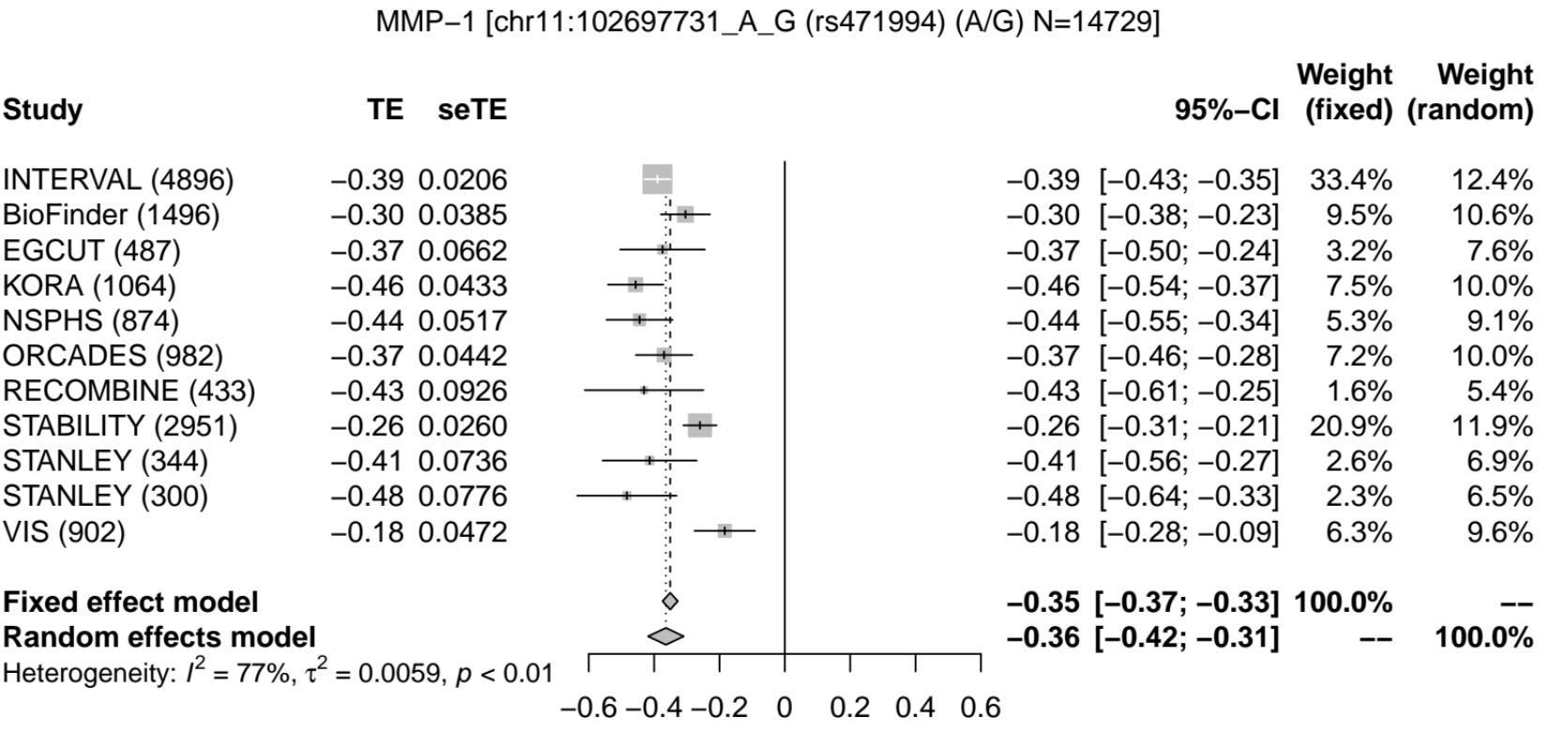
MMP-10 [chr19:49206145_C_G (rs516316) (C/G) N=14742]



MMP-1 (MMP1)-rs12141791



MMP-1 (MMP1)-rs4734879



MMP-10 (MMP10)-rs17860955

MMP-1 [chr1:156419786_A_G (rs12141791) (A/G) N=14296]

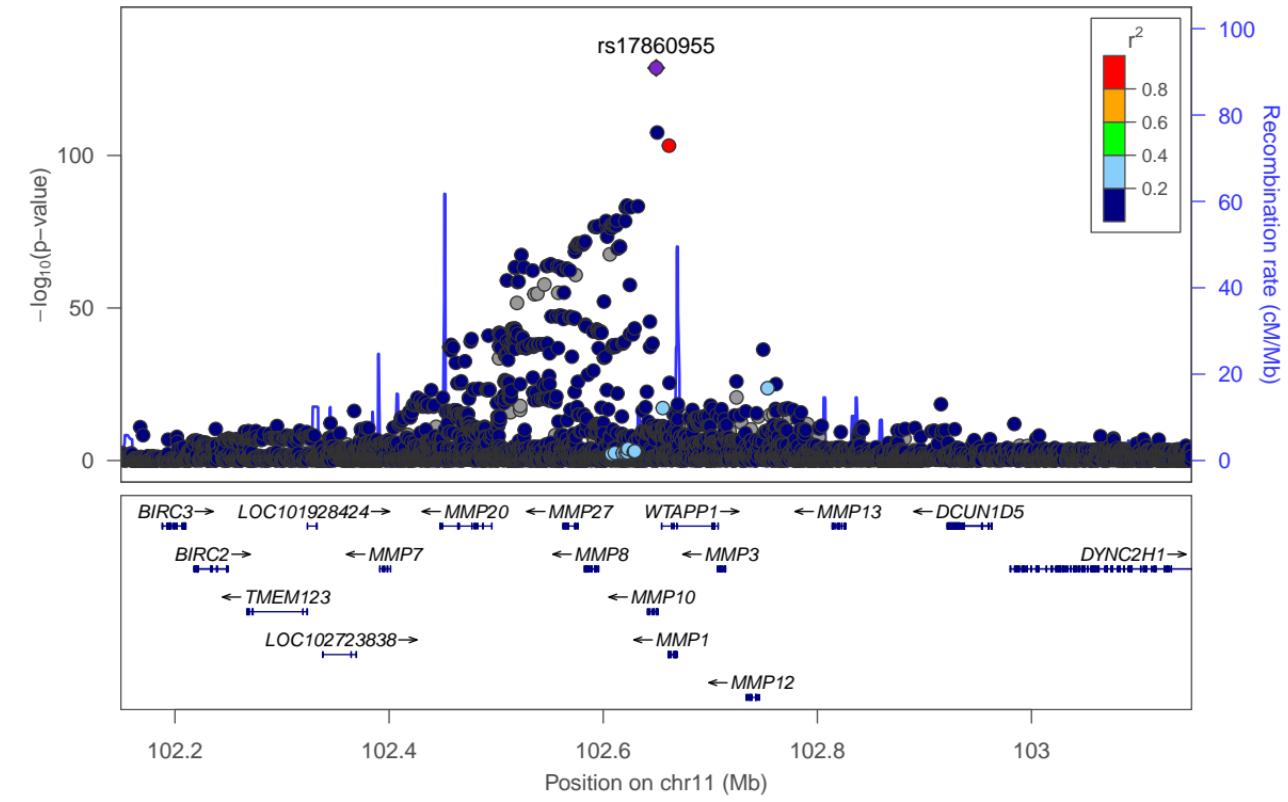
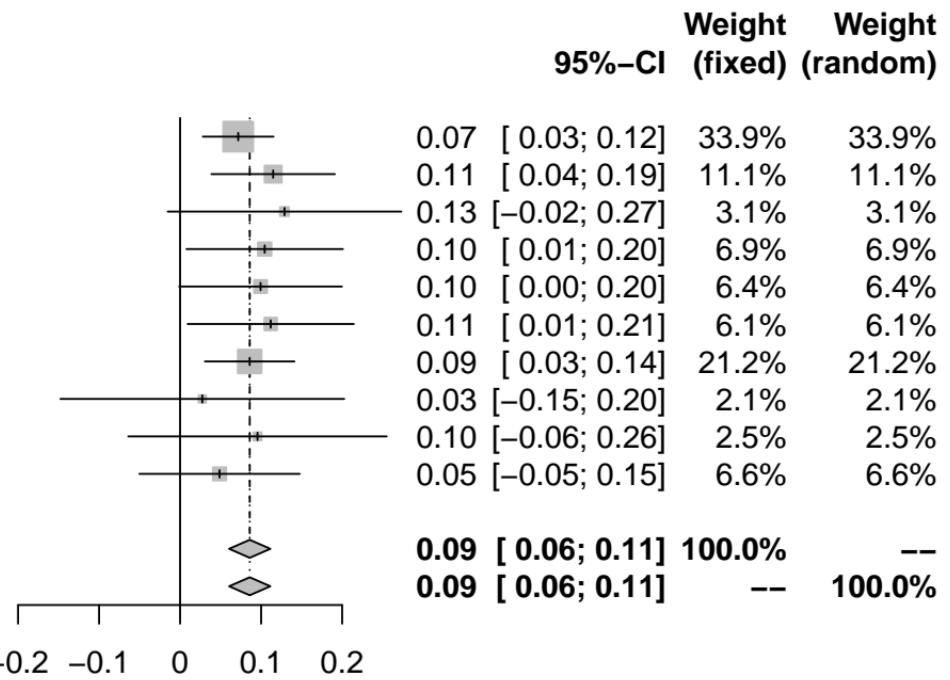
Study

	TE	seTE
INTERVAL (4896)	0.07	0.0223
BioFinder (1496)	0.11	0.0389
EGCUT (487)	0.13	0.0736
KORA (1064)	0.10	0.0493
NSPHS (874)	0.10	0.0513
ORCADES (982)	0.11	0.0524
STABILITY (2951)	0.09	0.0282
STANLEY (344)	0.03	0.0894
STANLEY (300)	0.10	0.0814
VIS (902)	0.05	0.0505

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.97$



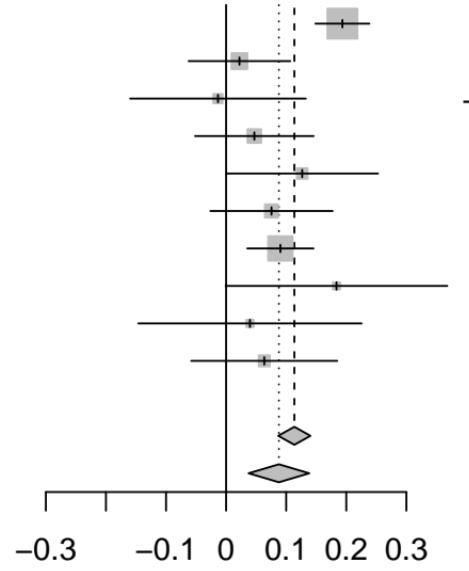
MMP-1 [chr8:106583124_A_G (rs4734879) (A/G) N=14296]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

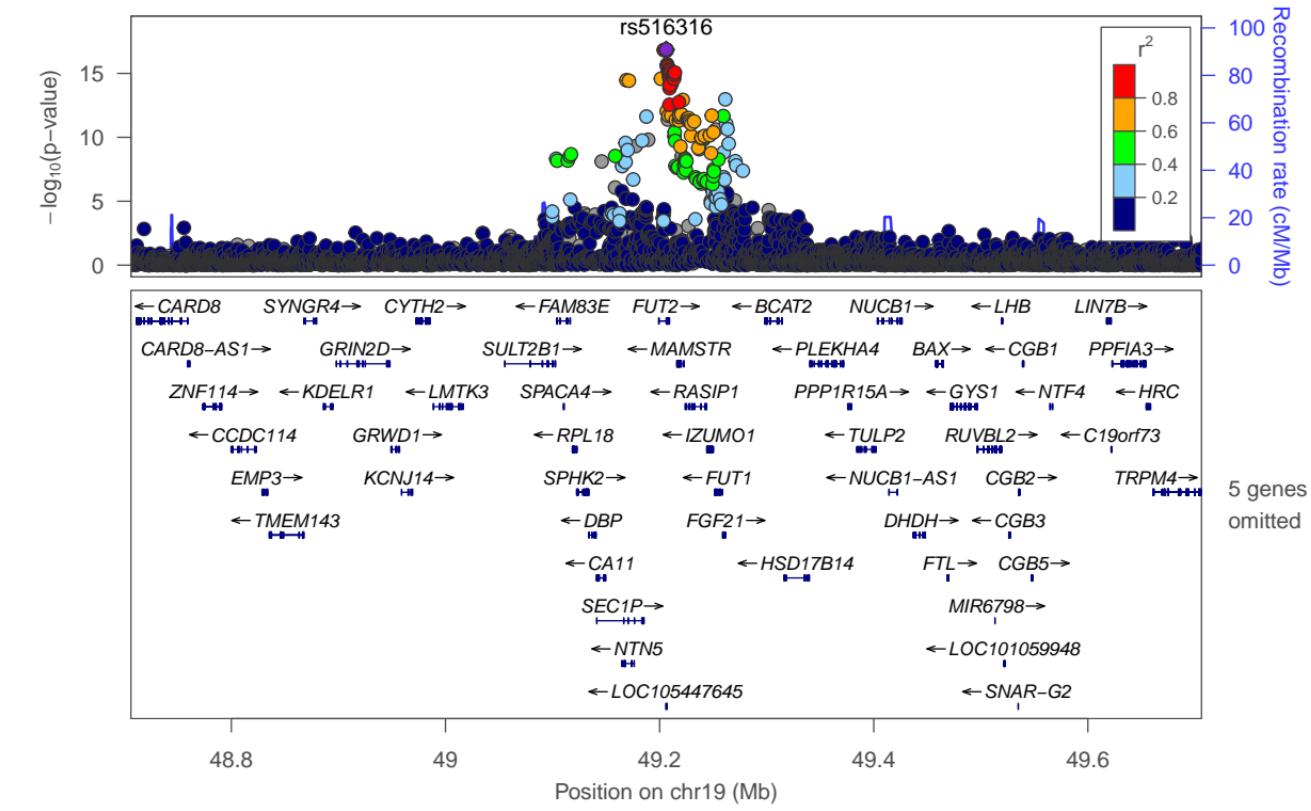
TE seTE

0.19 0.0230
0.02 0.0432
-0.01 0.0746
0.05 0.0504
0.13 0.0644
0.08 0.0519
0.09 0.0282
0.18 0.0942
0.04 0.0948
0.06 0.0620

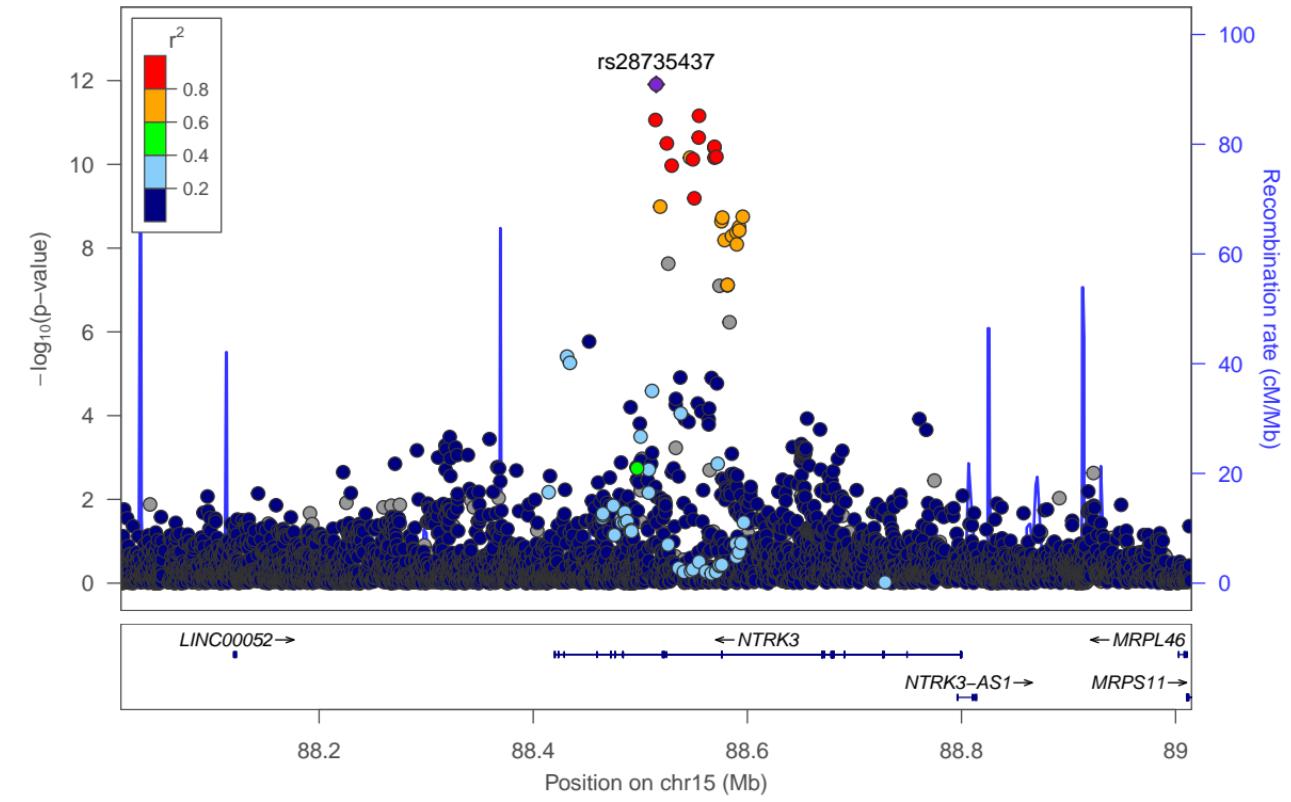
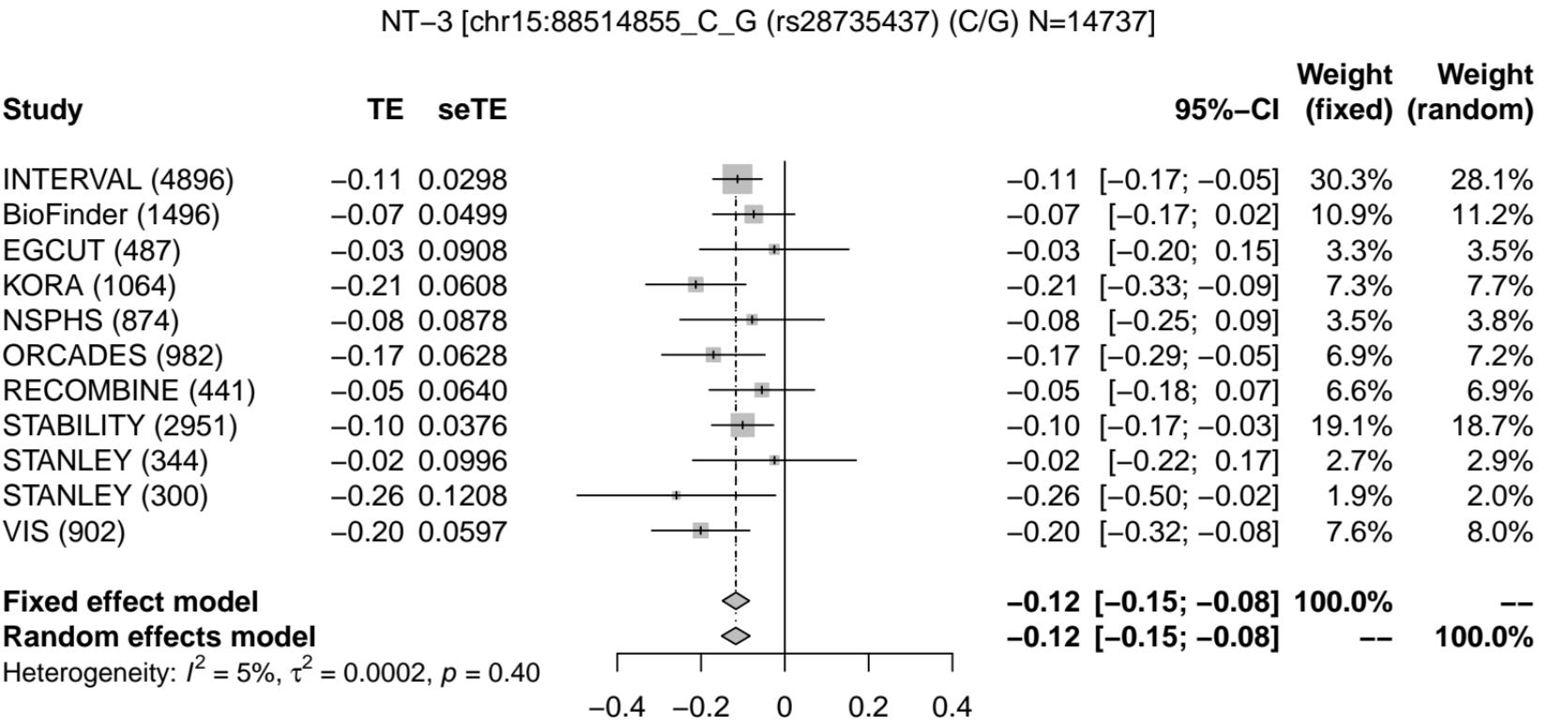


Heterogeneity: $I^2 = 63\%$, $\tau^2 = 0.0036$, $p < 0.01$

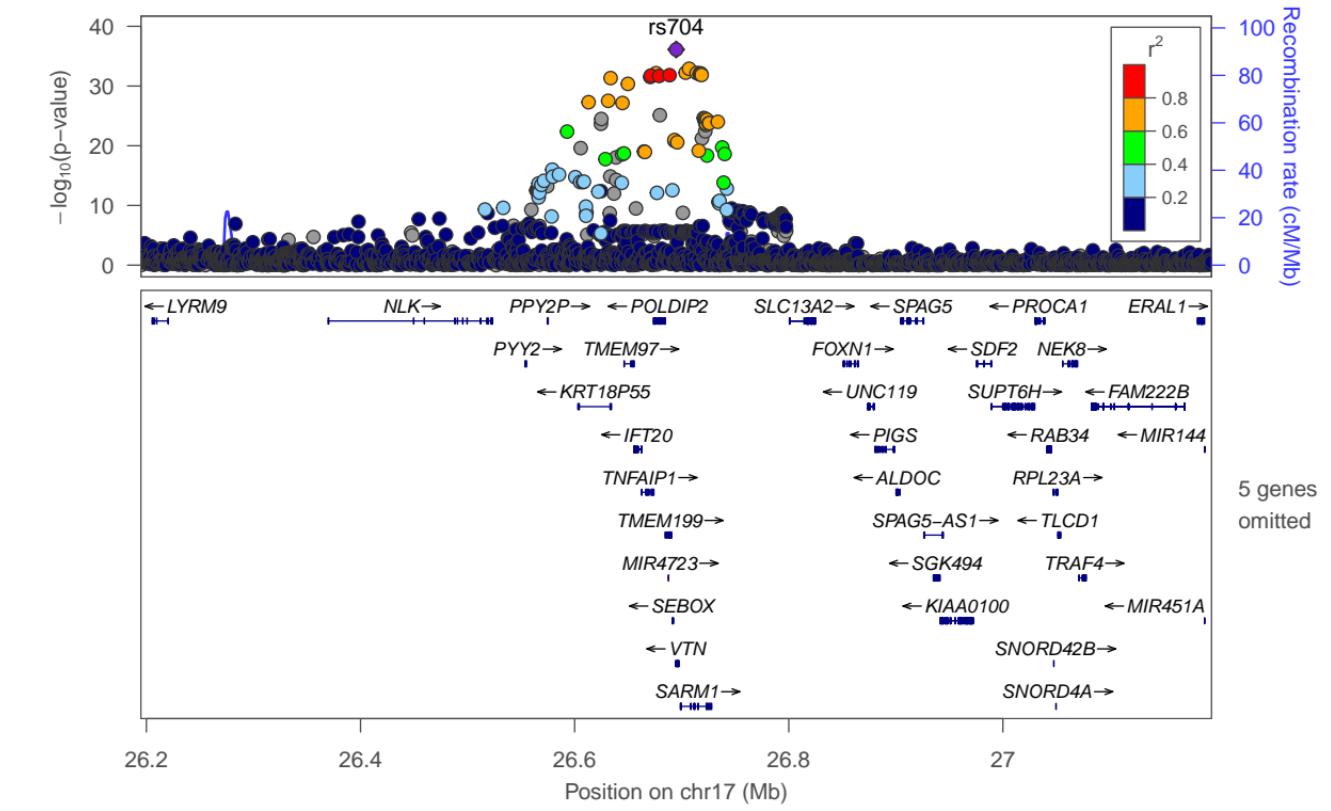
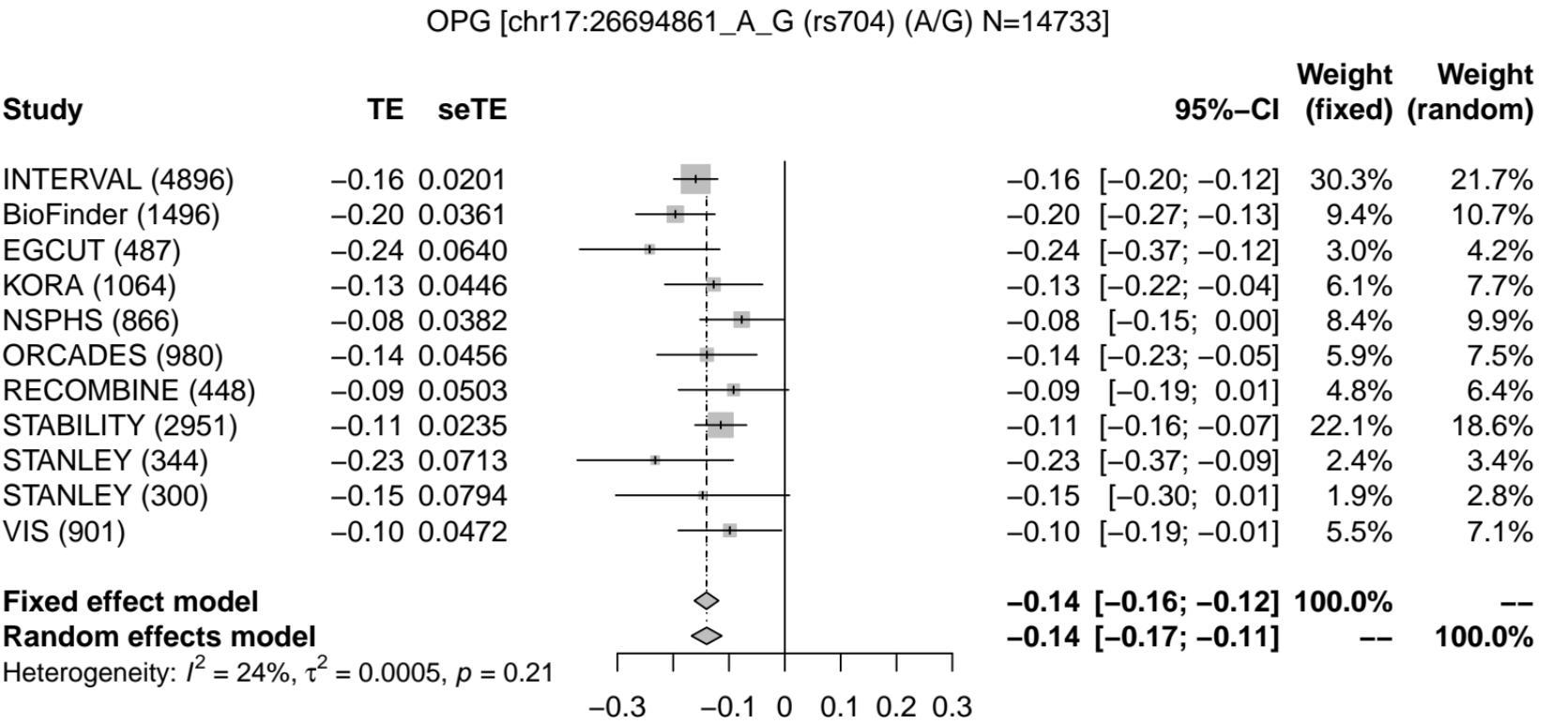
MMP-10 (MMP10)-rs516316



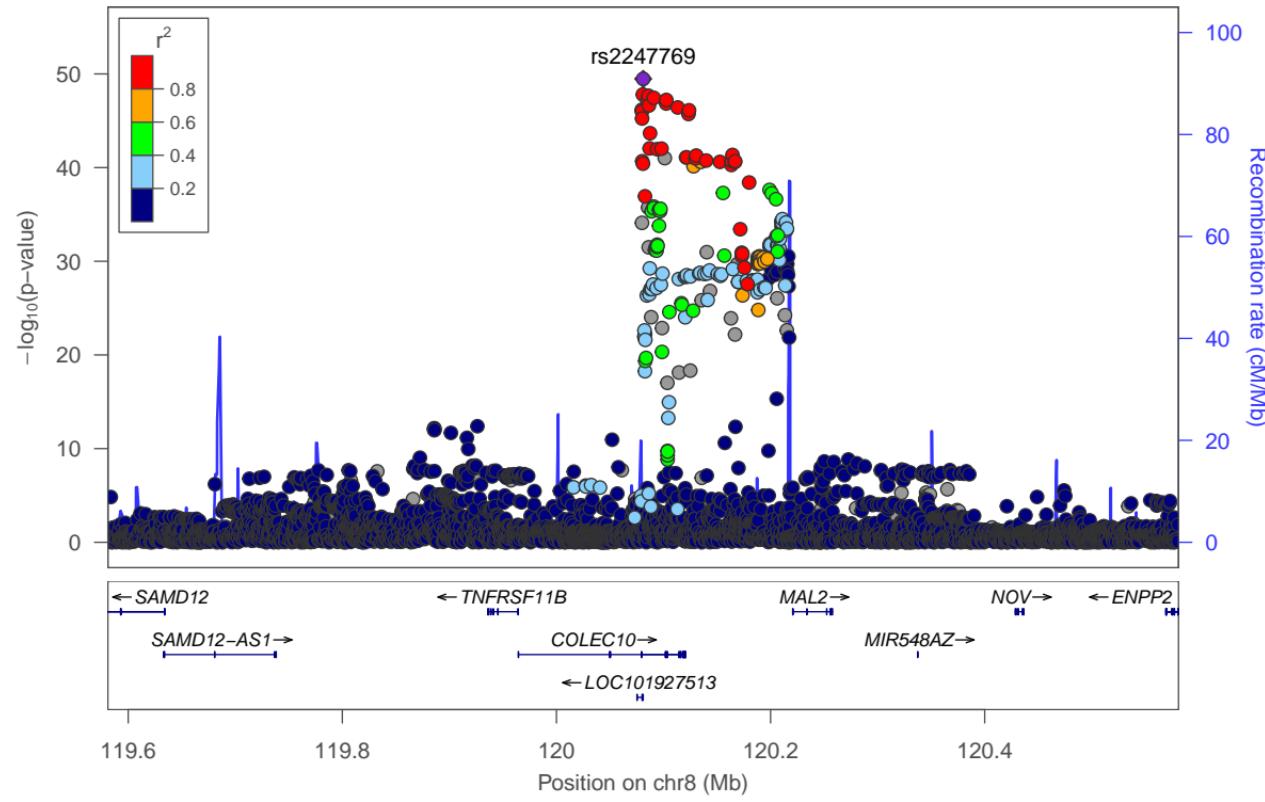
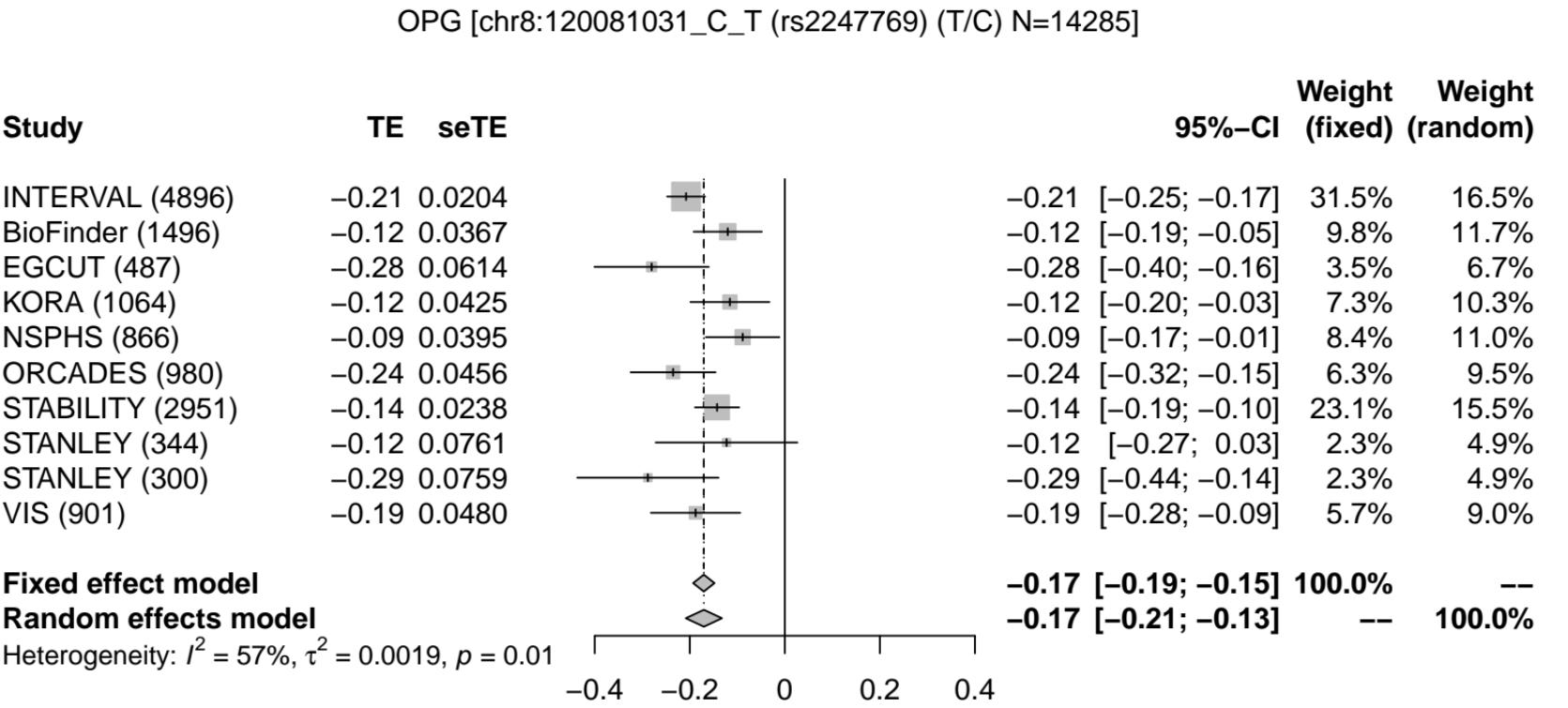
NT-3 (NTF3)-rs28735437

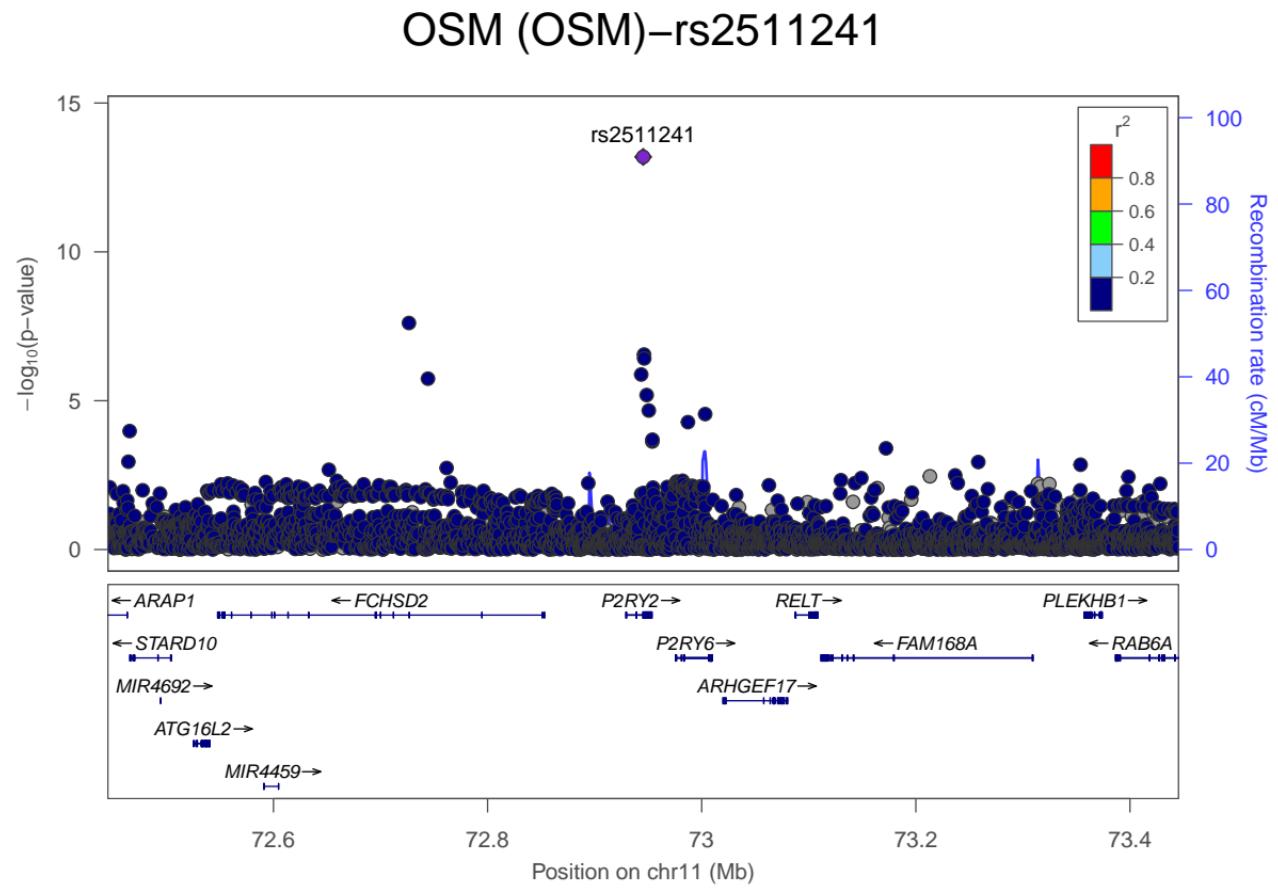
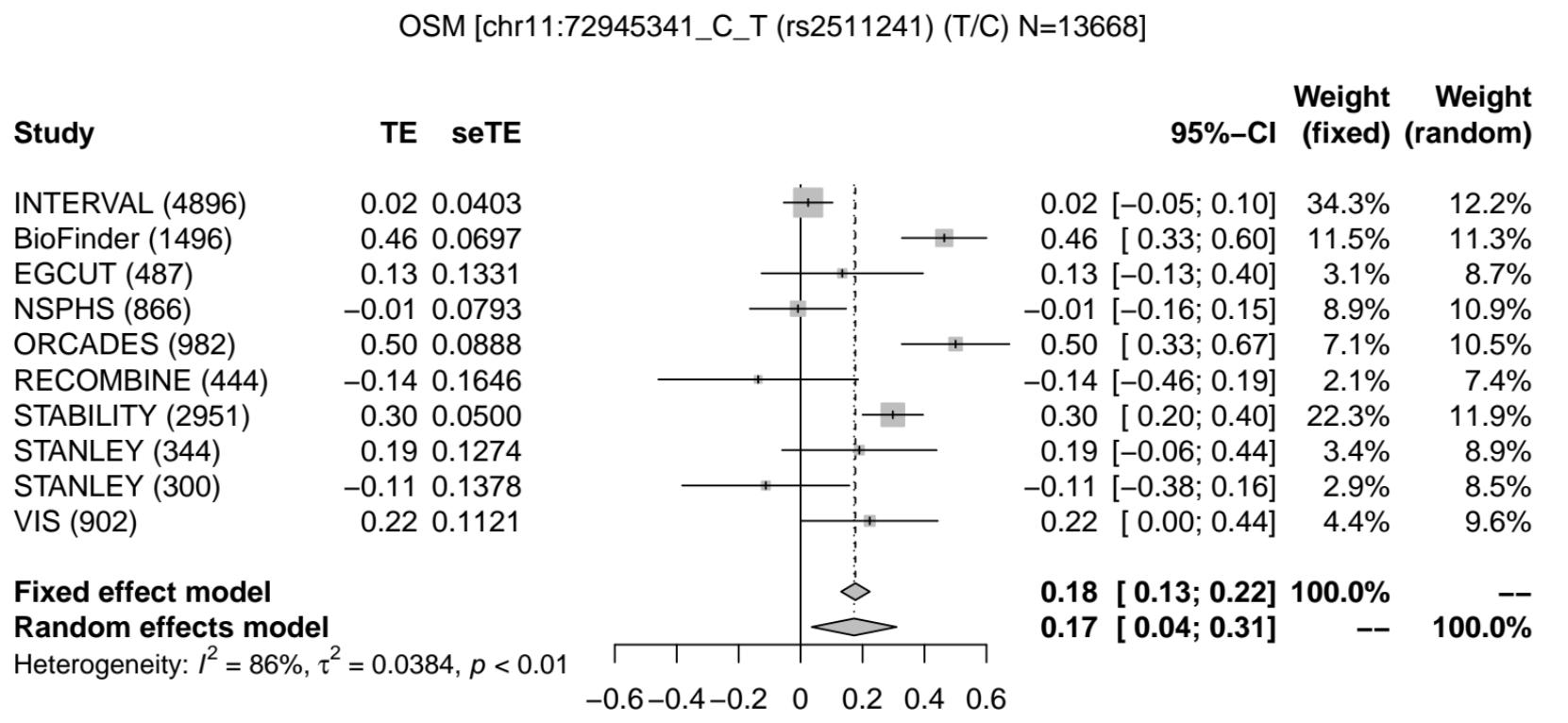


OPG (TNFRSF11B)-rs704



OPG (TNFRSF11B)-rs2247769





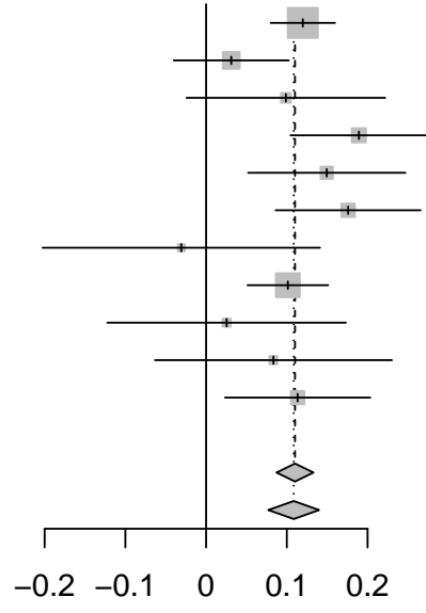
OSM [chr17:38137033_A_G (rs3859189) (A/G) N=14729]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (441)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

0.12 0.0204
0.03 0.0364
0.10 0.0628
0.19 0.0433
0.15 0.0497
0.18 0.0458
-0.03 0.0877
0.10 0.0255
0.03 0.0754
0.08 0.0749
0.11 0.0459

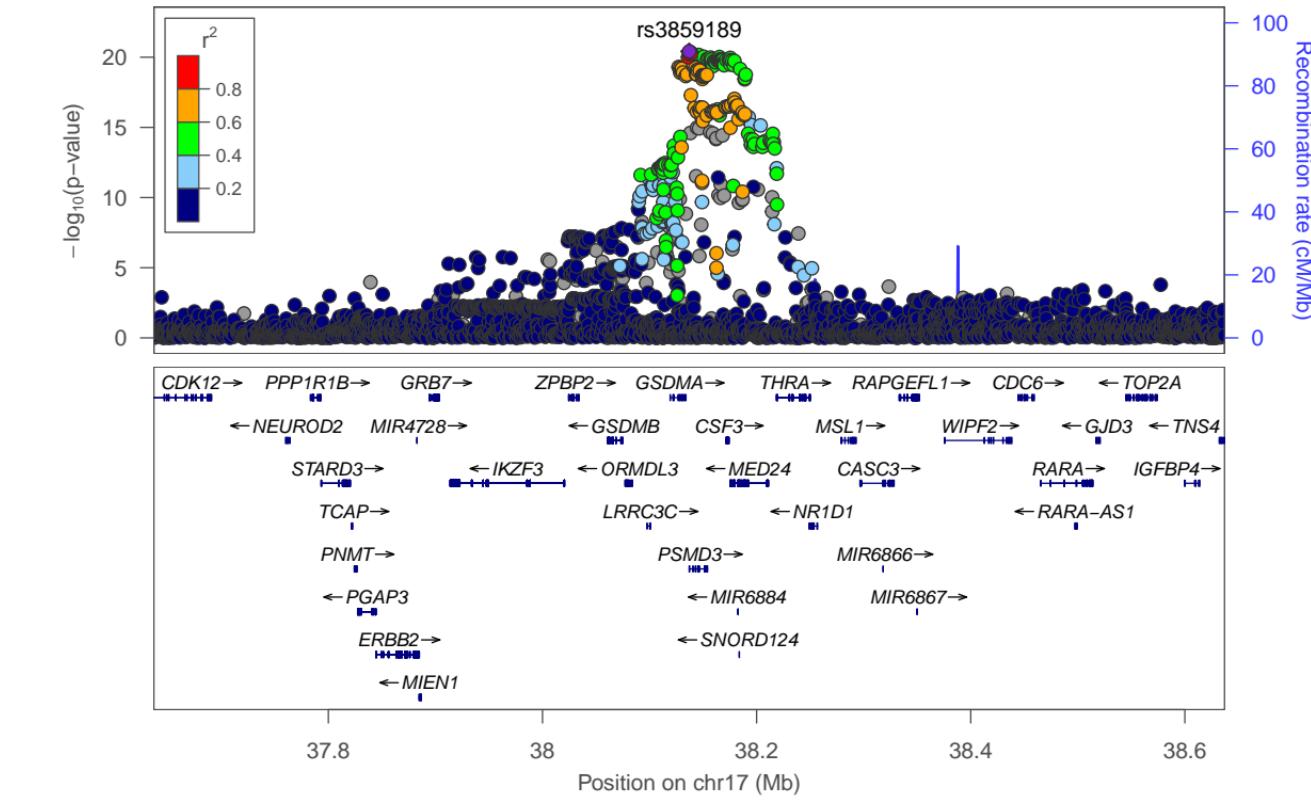


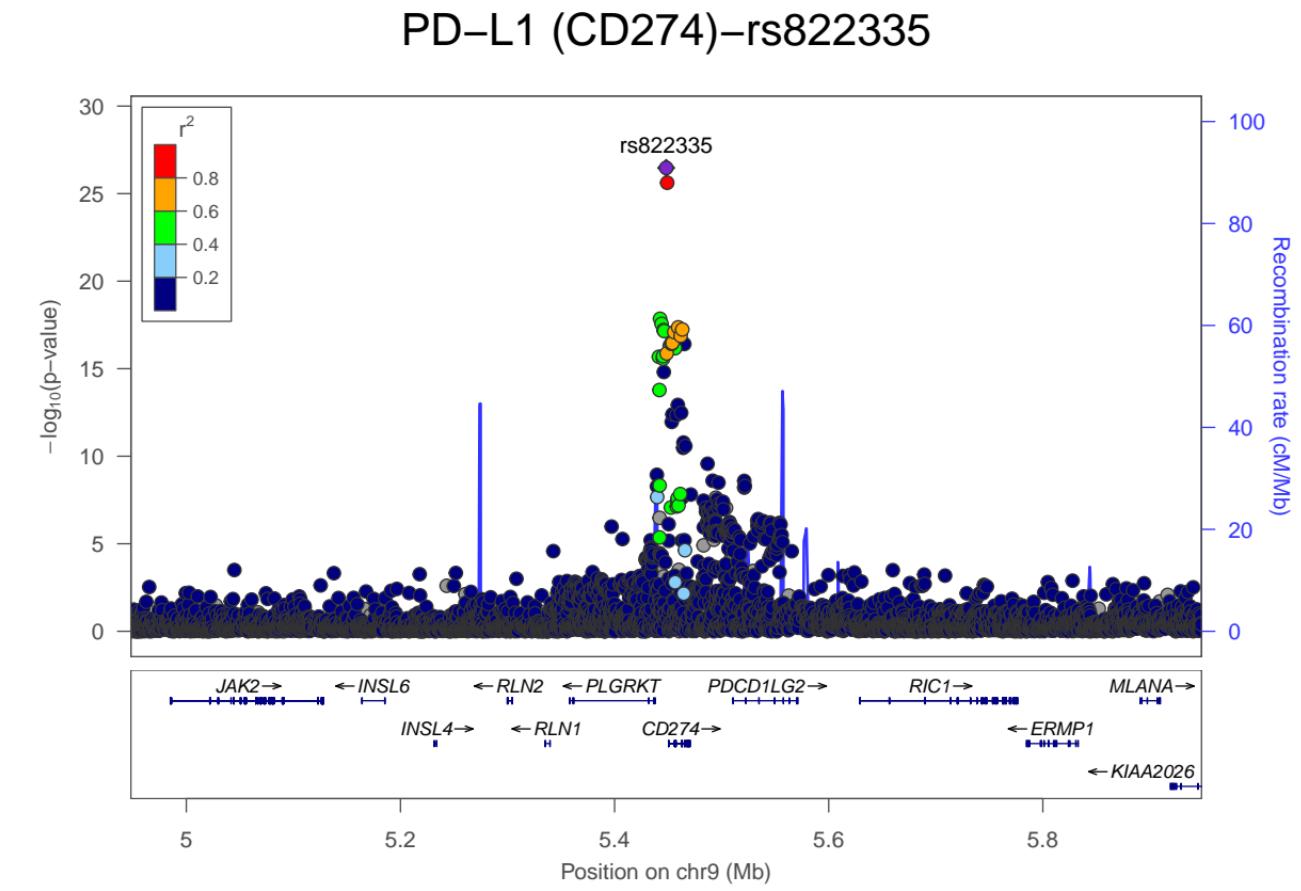
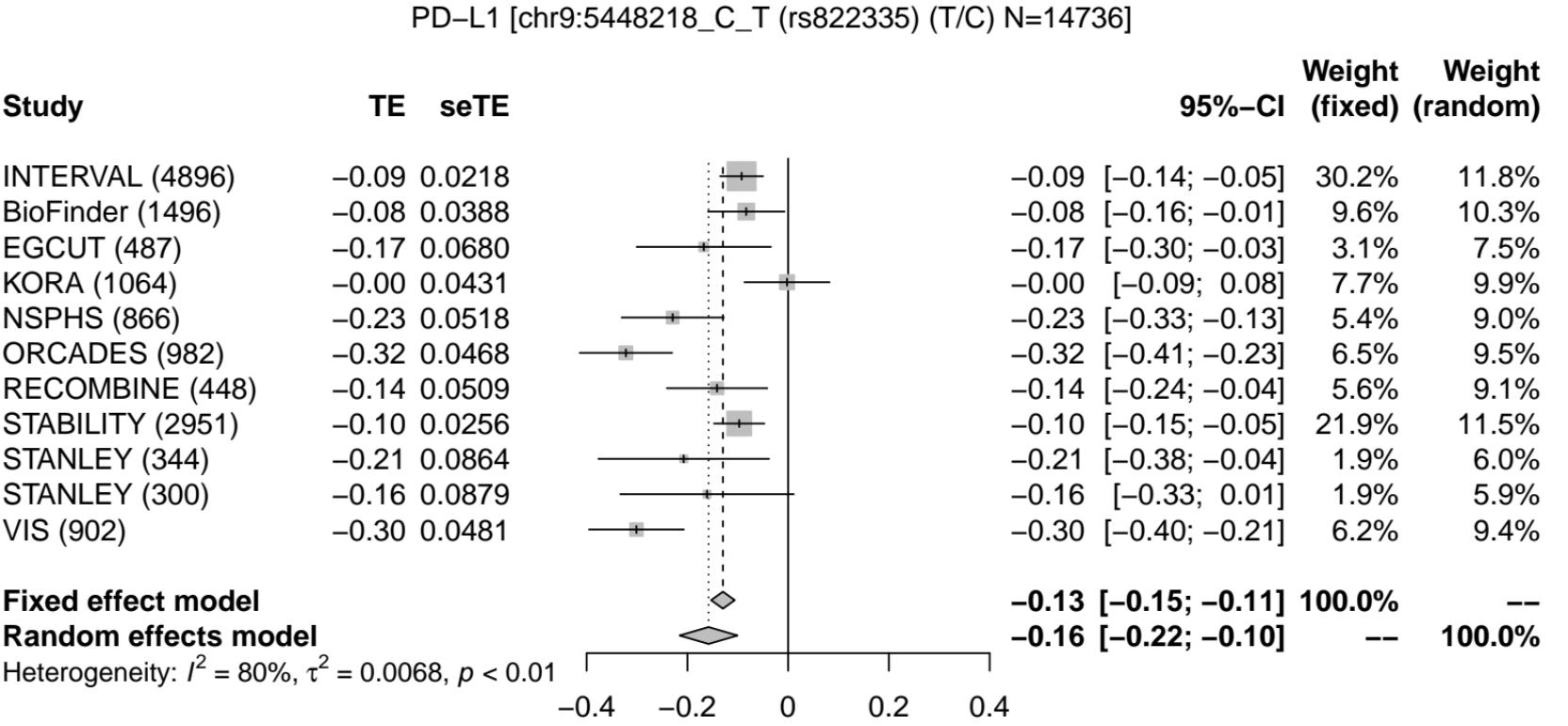
Weight
95%-CI
(fixed) (random)

	95%-CI	Weight (fixed)	Weight (random)
INTERVAL (4896)	0.12 [0.08; 0.16]	32.9%	20.3%
BioFinder (1496)	0.03 [-0.04; 0.10]	10.3%	11.8%
EGCUT (487)	0.10 [-0.02; 0.22]	3.5%	5.4%
KORA (1064)	0.19 [0.10; 0.27]	7.3%	9.4%
NSPHS (866)	0.15 [0.05; 0.25]	5.5%	7.7%
ORCADES (982)	0.18 [0.09; 0.27]	6.5%	8.7%
RECOMBINE (441)	-0.03 [-0.20; 0.14]	1.8%	3.0%
STABILITY (2951)	0.10 [0.05; 0.15]	21.0%	17.1%
STANLEY (344)	0.03 [-0.12; 0.17]	2.4%	3.9%
STANLEY (300)	0.08 [-0.06; 0.23]	2.4%	4.0%
VIS (902)	0.11 [0.02; 0.20]	6.5%	8.7%
Fixed effect model	0.11 [0.09; 0.13]	100.0%	--
Random effects model	0.11 [0.08; 0.14]	--	100.0%

Heterogeneity: $I^2 = 34\%$, $\tau^2 = 0.0009$, $p = 0.13$

OSM (OSM)-rs3859189





SCF [chr16:56993161_A_G (rs12149545) (A/G) N=14736]

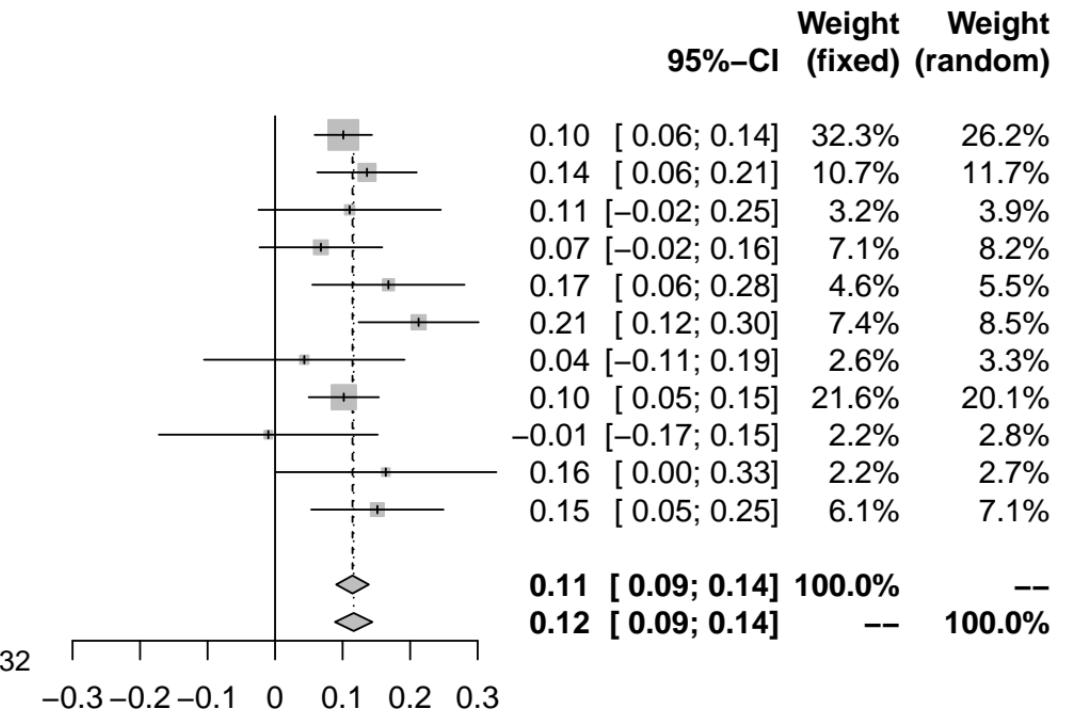
Study

	TE	seTE
INTERVAL (4896)	0.10	0.0217
BioFinder (1496)	0.14	0.0376
EGCUT (487)	0.11	0.0689
KORA (1064)	0.07	0.0464
NSPHS (866)	0.17	0.0575
ORCADES (982)	0.21	0.0453
RECOMBINE (448)	0.04	0.0757
STABILITY (2951)	0.10	0.0265
STANLEY (344)	-0.01	0.0827
STANLEY (300)	0.16	0.0836
VIS (902)	0.15	0.0500

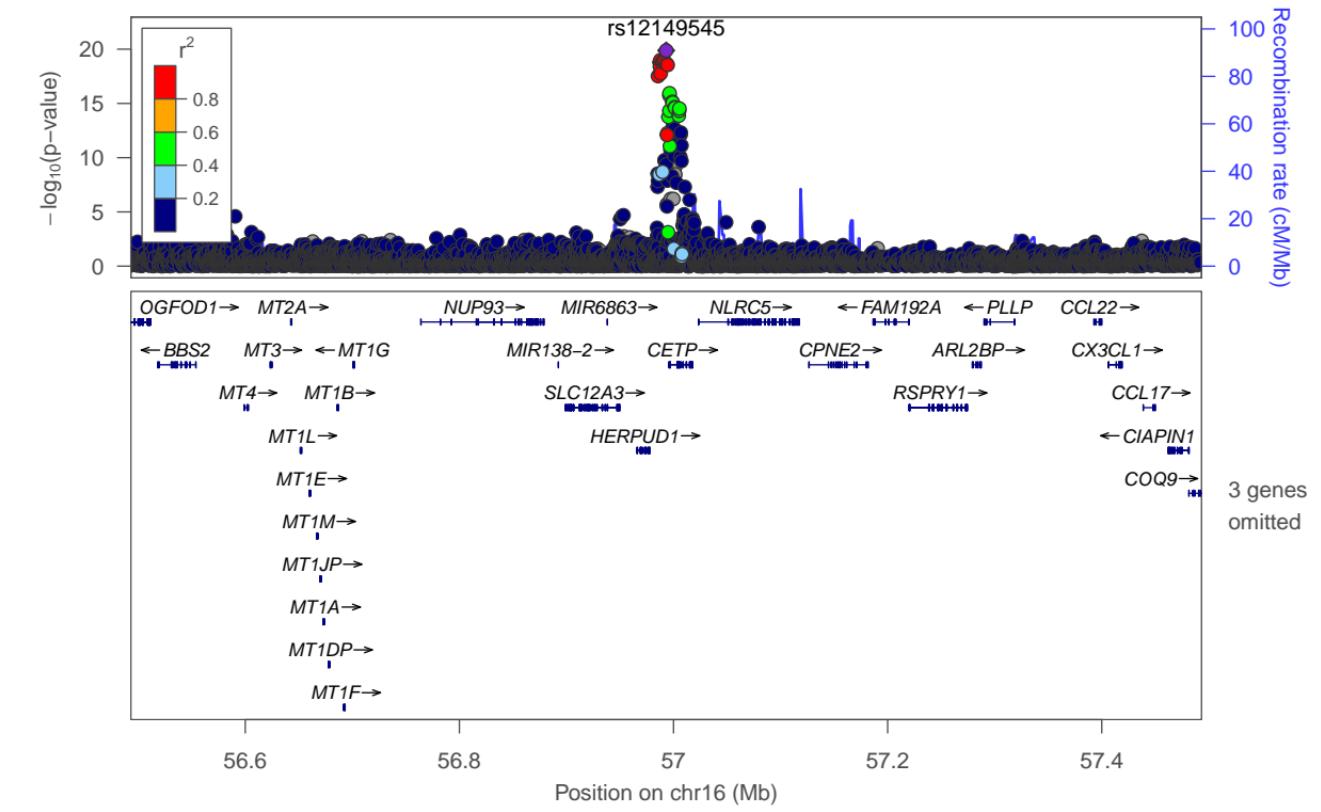
Fixed effect model

Random effects model

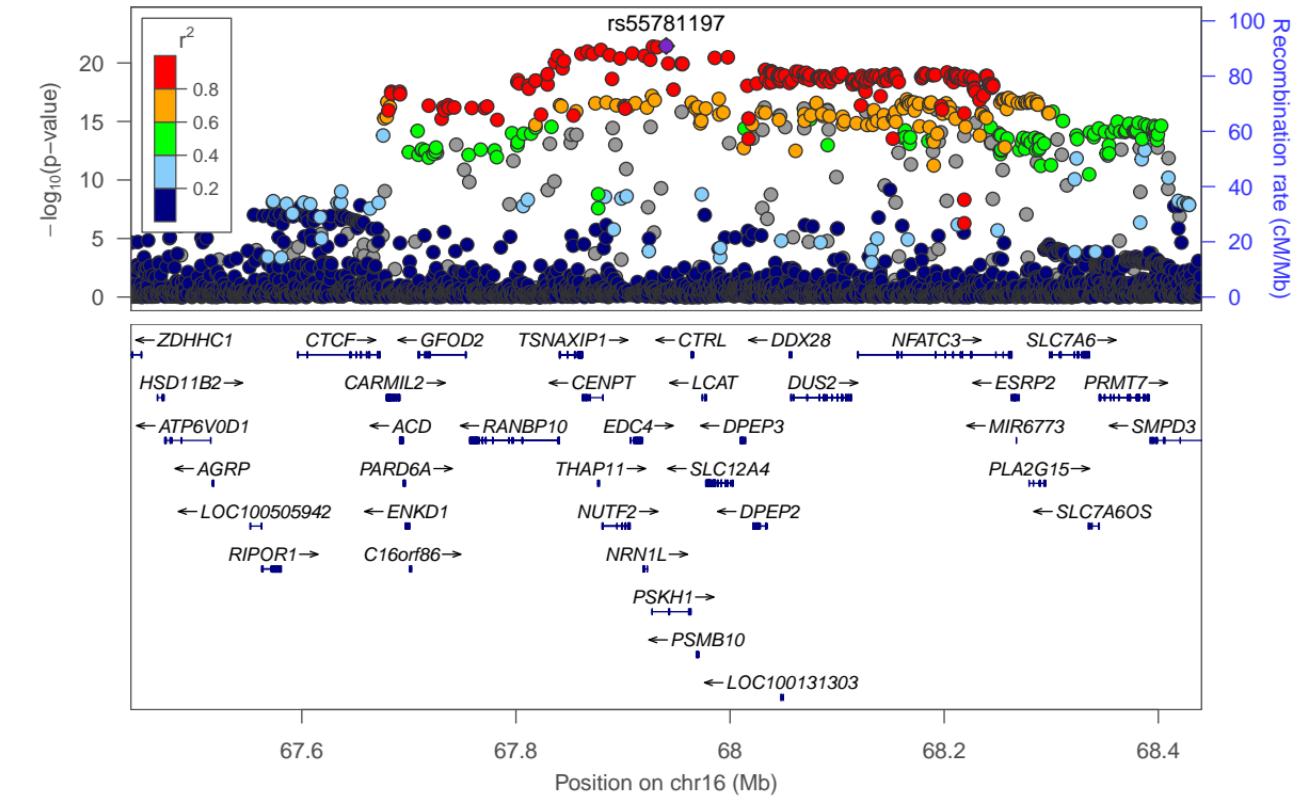
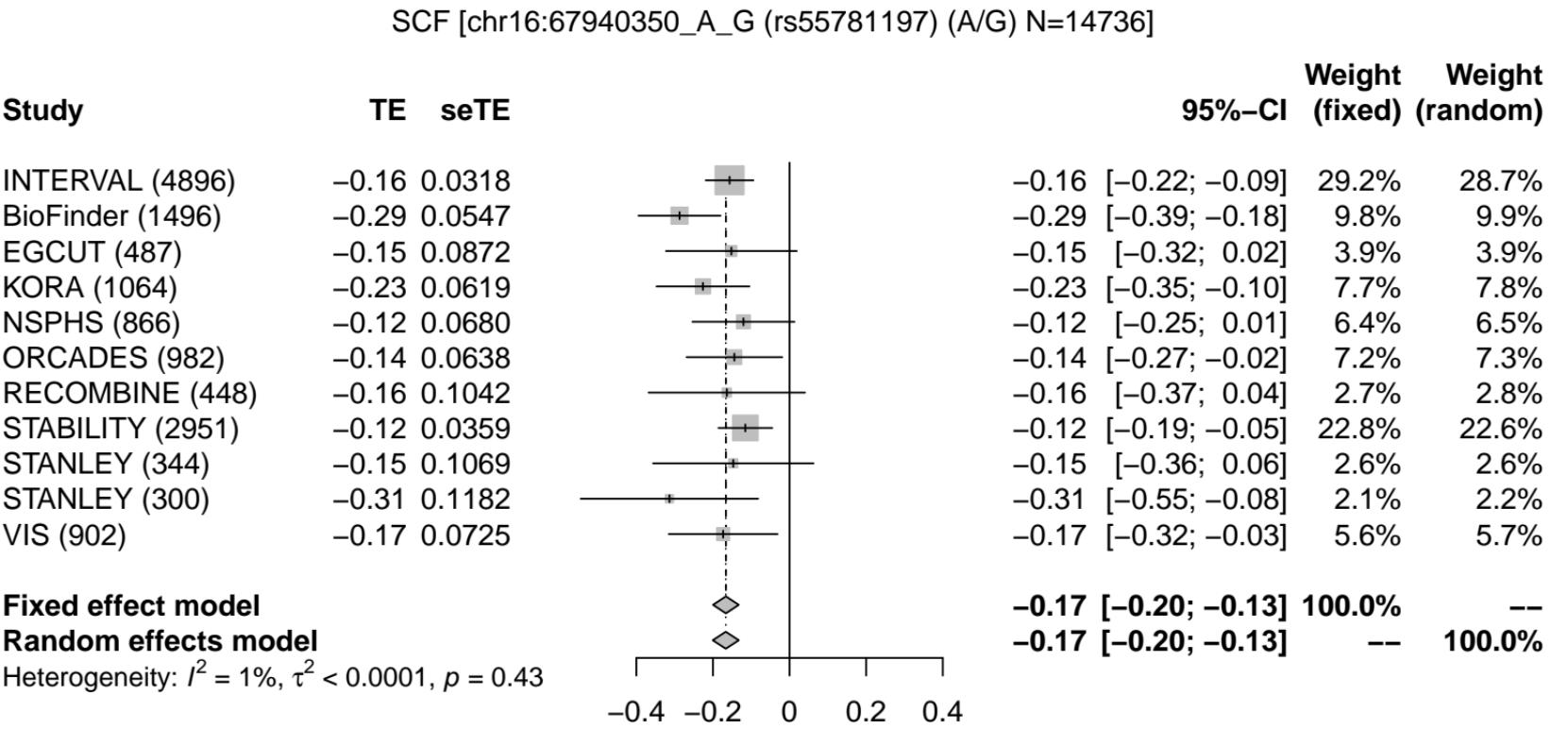
Heterogeneity: $I^2 = 13\%$, $\tau^2 = 0.0003$, $p = 0.32$



SCF (KITLG)-rs12149545

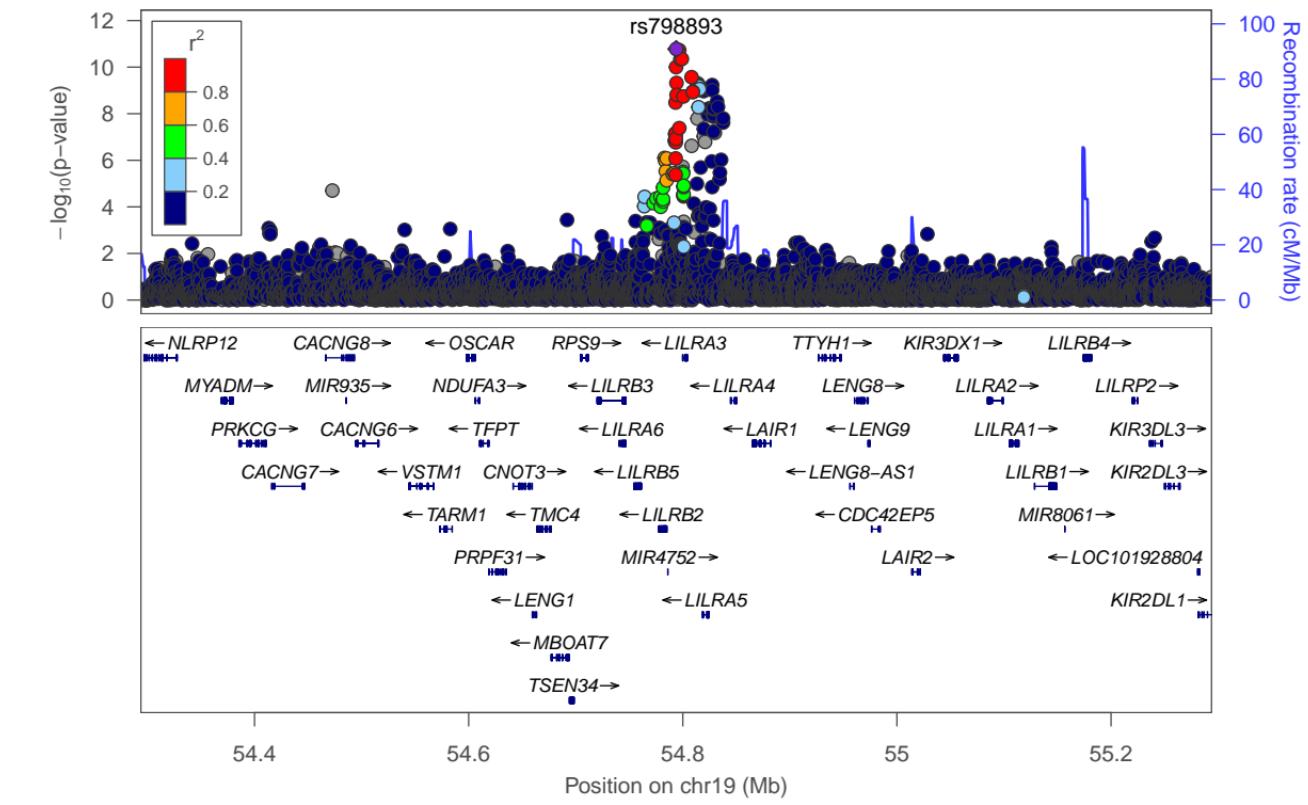
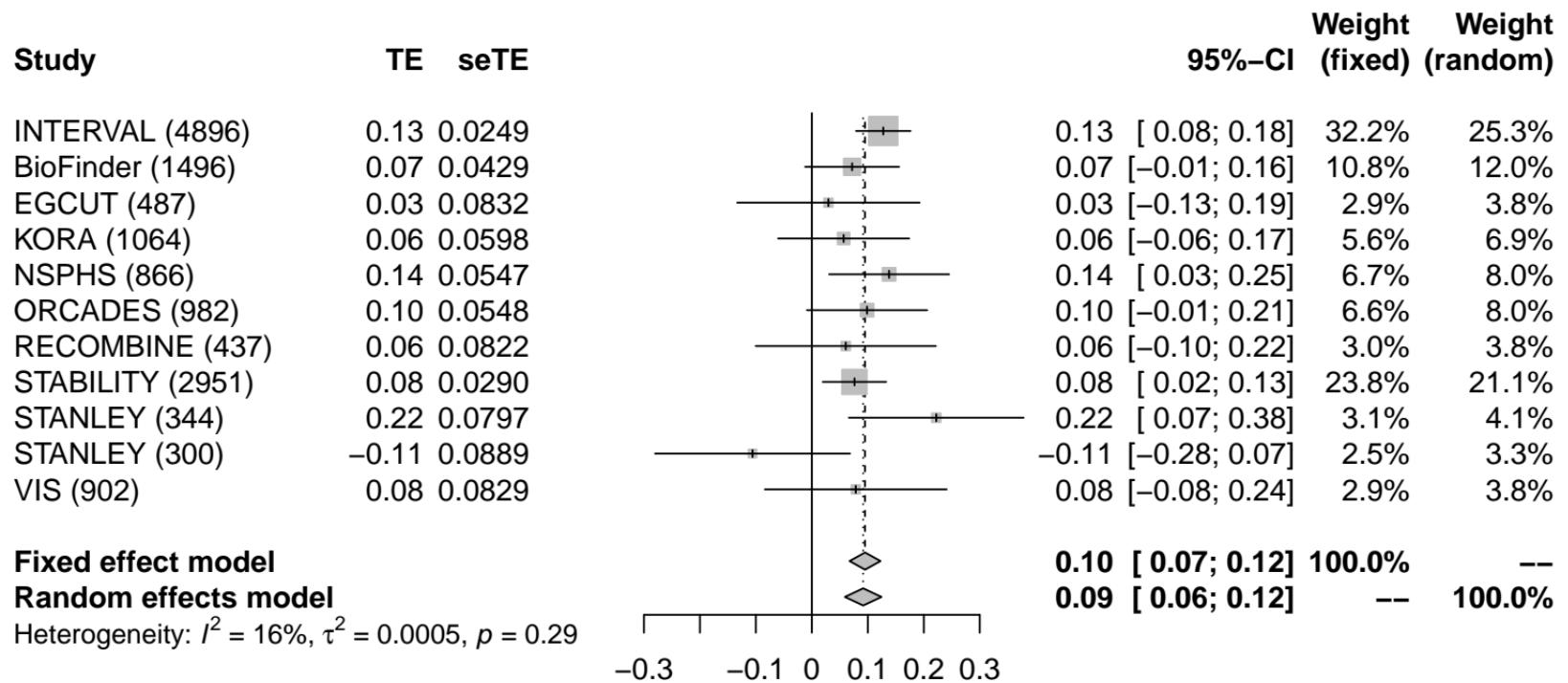


SCF (KITLG)-rs55781197



SCF (KITLG)-rs798893

SCF [chr19:54793830_C_G (rs798893) (C/G) N=14725]



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (442)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

SCF [chr20:44551855_C_T (rs6073958) (T/C) N=14730]**TE**

-0.36

-0.20

-0.33

-0.38

-0.38

-0.24

-0.27

-0.18

-0.20

-0.30

-0.21

0.0248

0.0450

0.0743

0.0545

0.0619

0.0580

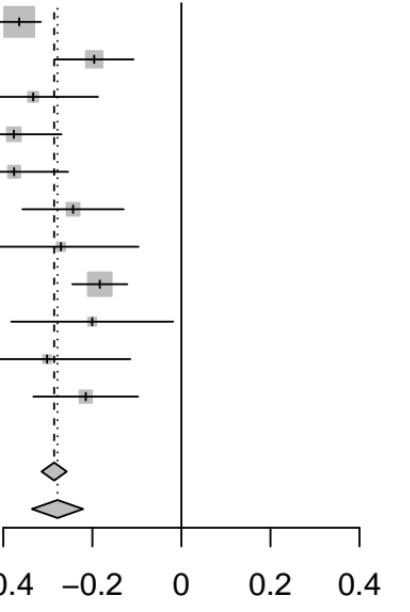
0.0888

0.0315

0.0928

0.0954

0.0601

**95%-CI**

-0.36 [-0.41; -0.32]

-0.20 [-0.28; -0.11]

-0.33 [-0.48; -0.19]

-0.38 [-0.48; -0.27]

-0.38 [-0.50; -0.25]

-0.24 [-0.36; -0.13]

-0.27 [-0.44; -0.10]

-0.18 [-0.25; -0.12]

-0.20 [-0.38; -0.02]

-0.30 [-0.49; -0.11]

-0.21 [-0.33; -0.10]

-0.29 [-0.31; -0.26]**-0.28 [-0.34; -0.22]****100.0%****--****100.0%****Weight (fixed)**

33.6%

10.2%

3.7%

7.0%

5.4%

6.2%

2.6%

20.8%

2.4%

2.3%

5.7%

--**--****100.0%****--****100.0%****Weight (random)**

13.4%

11.0%

7.6%

9.8%

8.9%

9.4%

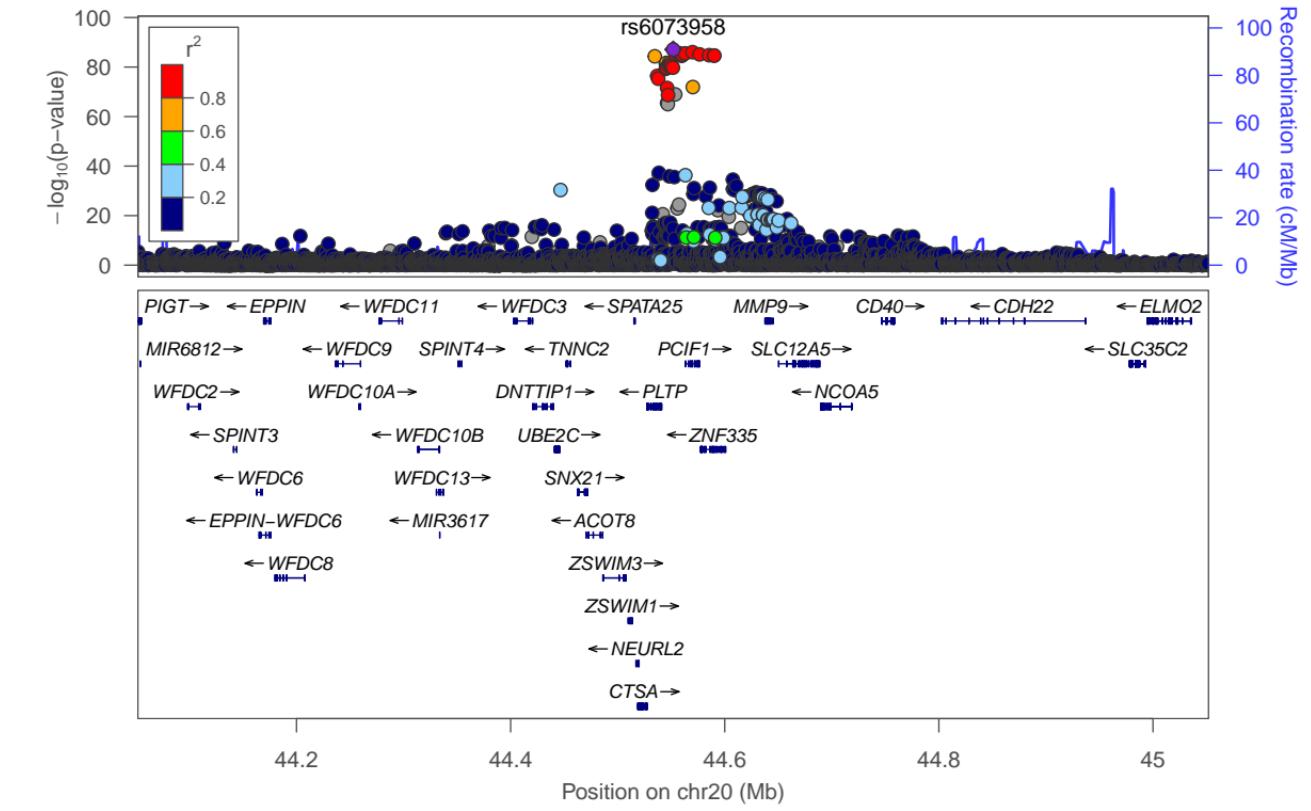
6.3%

12.7%

6.0%

5.8%

9.1%

SCF (KITLG)-rs6073958**Fixed effect model****Random effects model**Heterogeneity: $I^2 = 69\%$, $\tau^2 = 0.0058$, $p < 0.01$

SCF (KITLG)-rs705379

SCF [chr7:94953895_A_G (rs705379) (A/G) N=14288]

Study

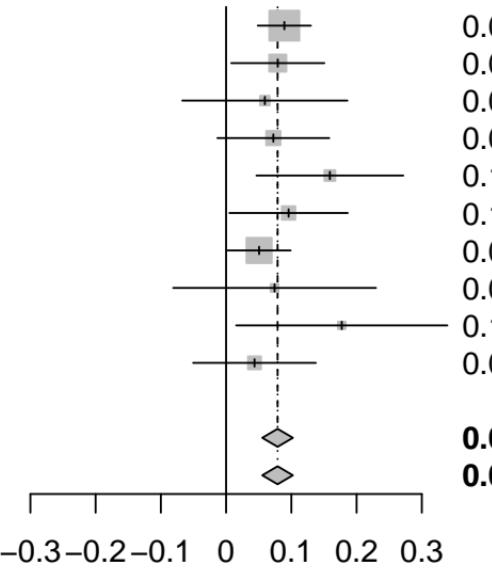
	TE	seTE
INTERVAL (4896)	0.09	0.0208
BioFinder (1496)	0.08	0.0364
EGCUT (487)	0.06	0.0646
KORA (1064)	0.07	0.0438
NSPHS (866)	0.16	0.0575
ORCADES (982)	0.10	0.0463
STABILITY (2951)	0.05	0.0247
STANLEY (344)	0.07	0.0793
STANLEY (300)	0.18	0.0826
VIS (902)	0.04	0.0480

TE seTE

Weight
95%-CI (fixed) (random)

0.09	[0.05; 0.13]	33.1%	33.1%
0.08	[0.01; 0.15]	10.8%	10.8%
0.06	[-0.07; 0.19]	3.4%	3.4%
0.07	[-0.01; 0.16]	7.5%	7.5%
0.16	[0.05; 0.27]	4.3%	4.3%
0.10	[0.01; 0.19]	6.7%	6.7%
0.05	[0.00; 0.10]	23.5%	23.5%
0.07	[-0.08; 0.23]	2.3%	2.3%
0.18	[0.02; 0.34]	2.1%	2.1%
0.04	[-0.05; 0.14]	6.2%	6.2%

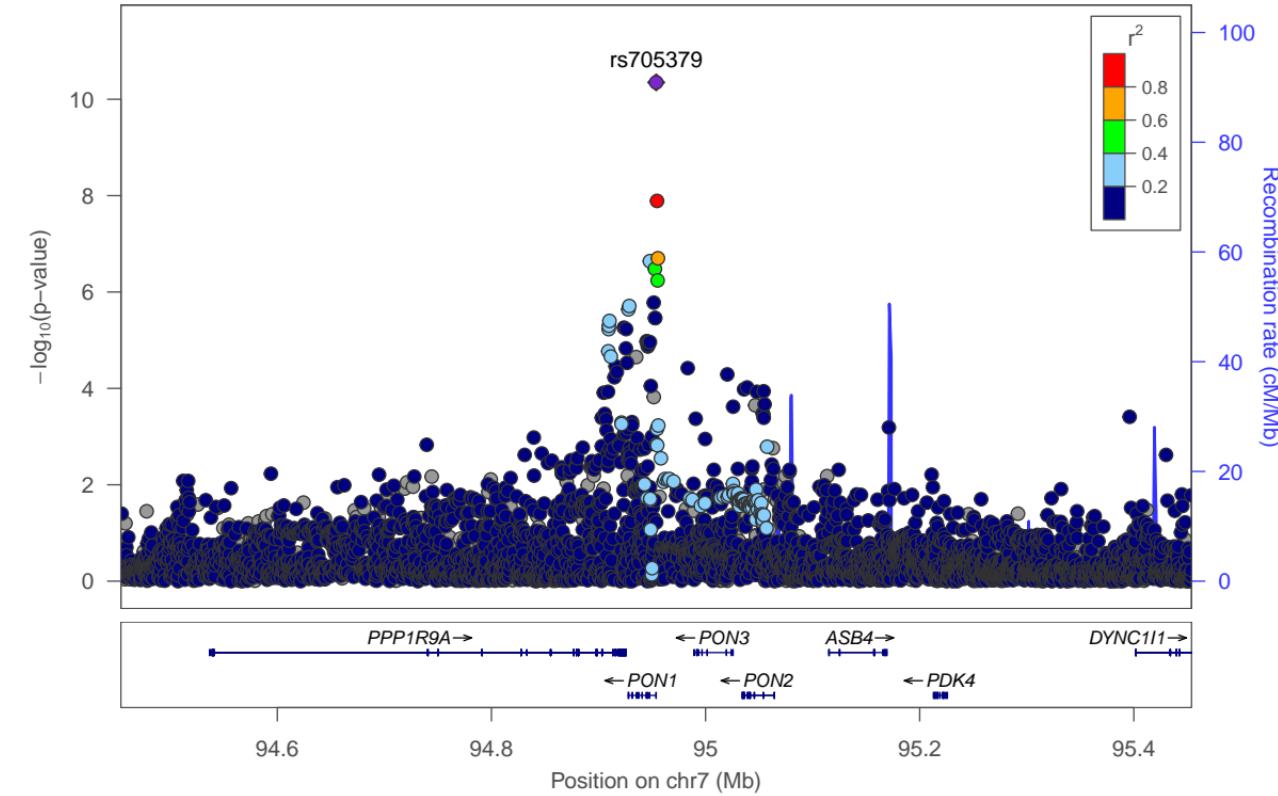
0.08 [0.06; 0.10] 100.0%
0.08 [0.06; 0.10] -- 100.0%



Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.77$



SCF [chr9:107661742_A_C (rs2740488) (A/C) N=14732]

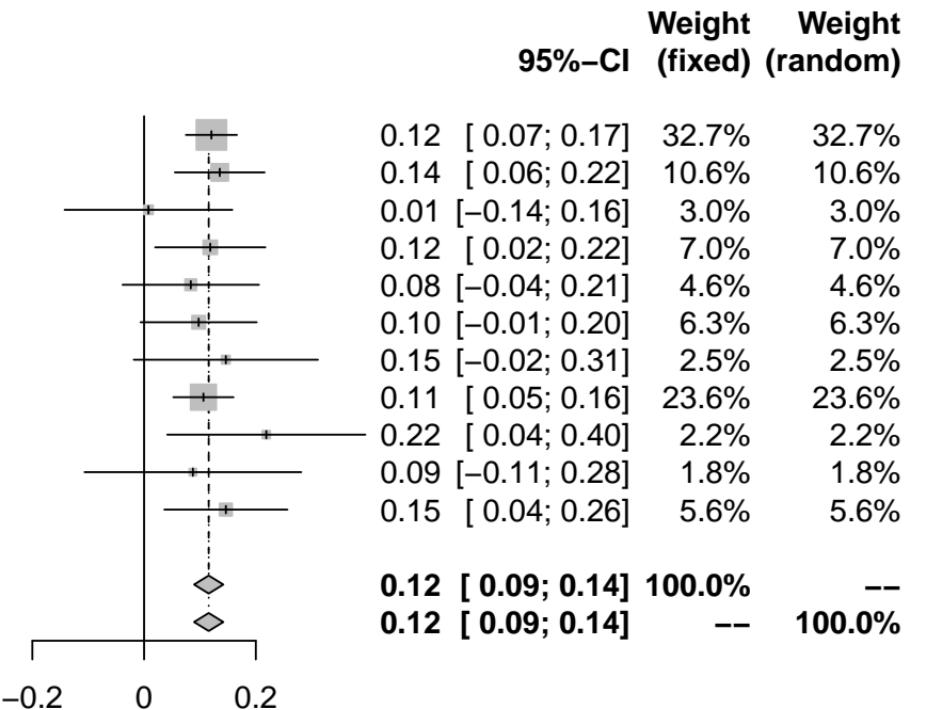
Study

	TE	seTE
INTERVAL (4896)	0.12	0.0234
BioFinder (1496)	0.14	0.0410
EGCUT (487)	0.01	0.0766
KORA (1064)	0.12	0.0503
NSPHS (866)	0.08	0.0623
ORCADES (982)	0.10	0.0530
RECOMBINE (444)	0.15	0.0841
STABILITY (2951)	0.11	0.0275
STANLEY (344)	0.22	0.0905
STANLEY (300)	0.09	0.0990
VIS (902)	0.15	0.0562

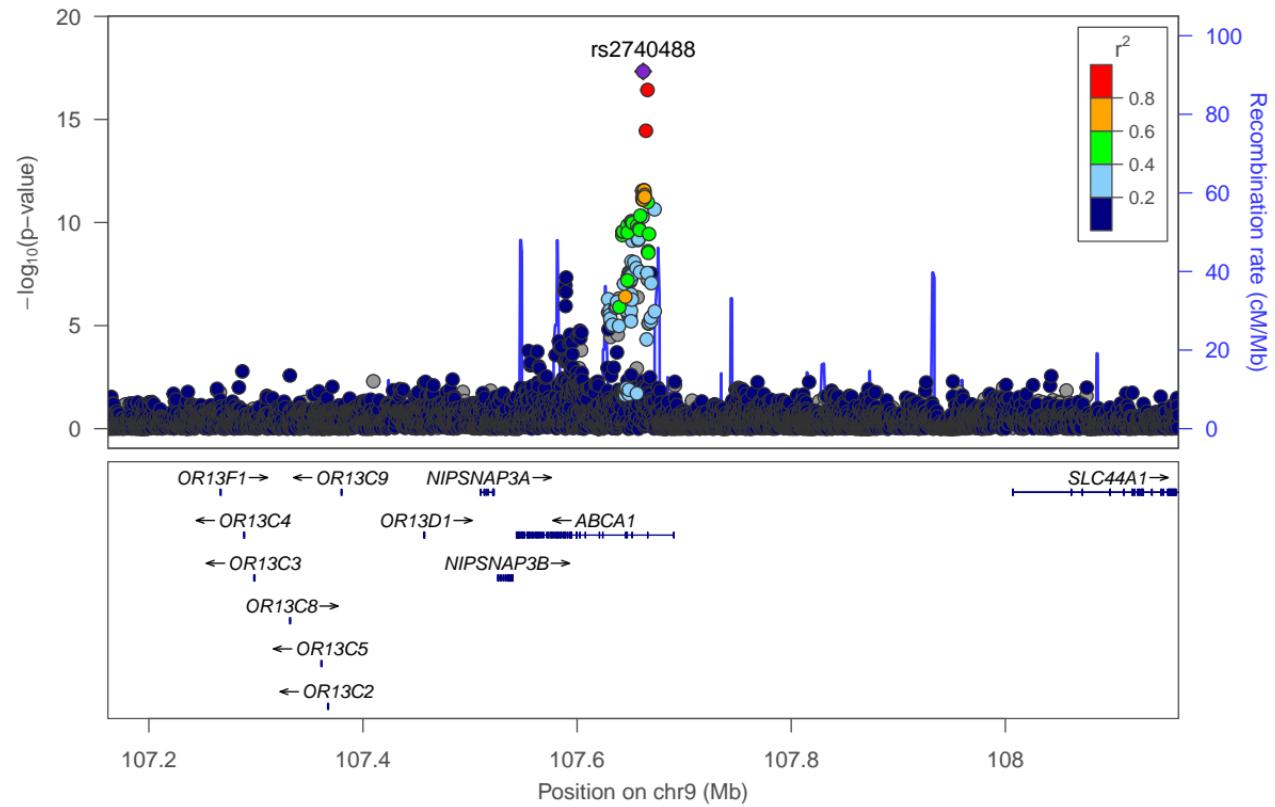
Fixed effect model

Random effects model

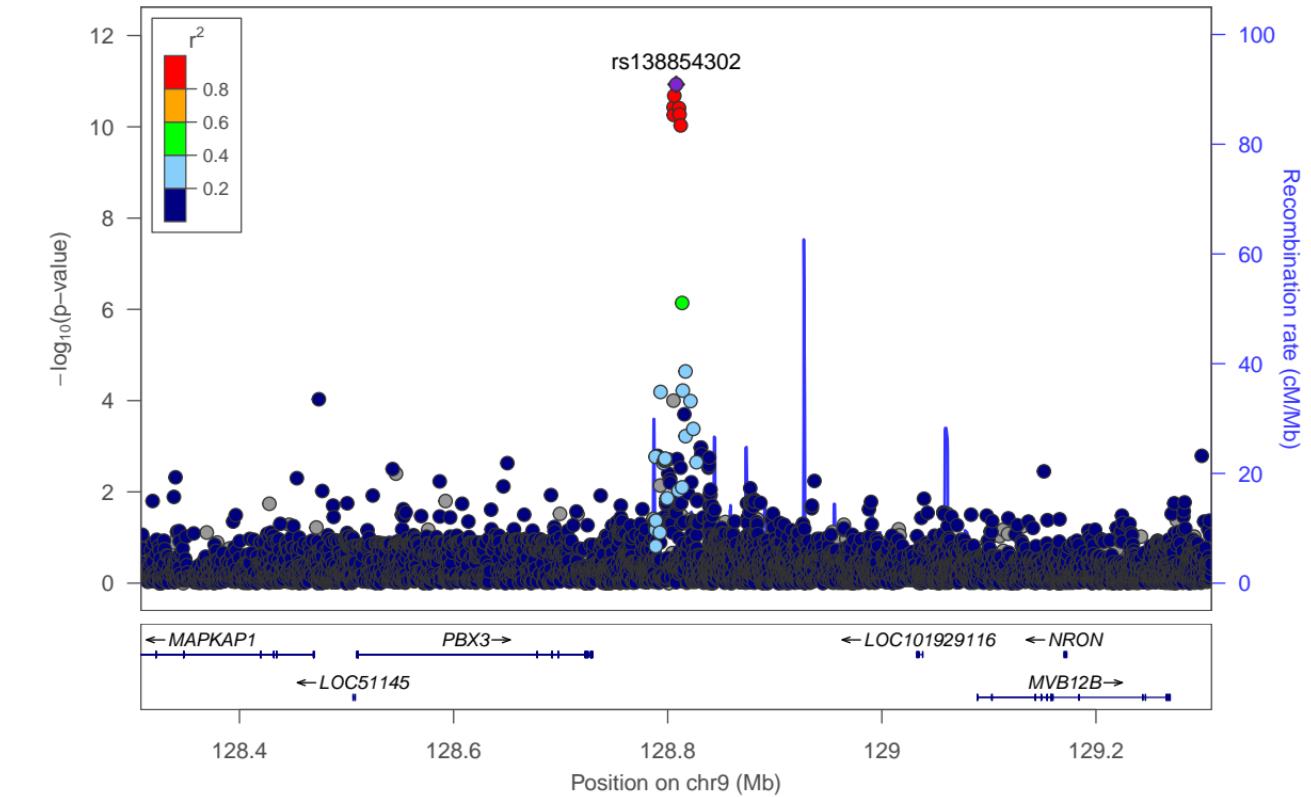
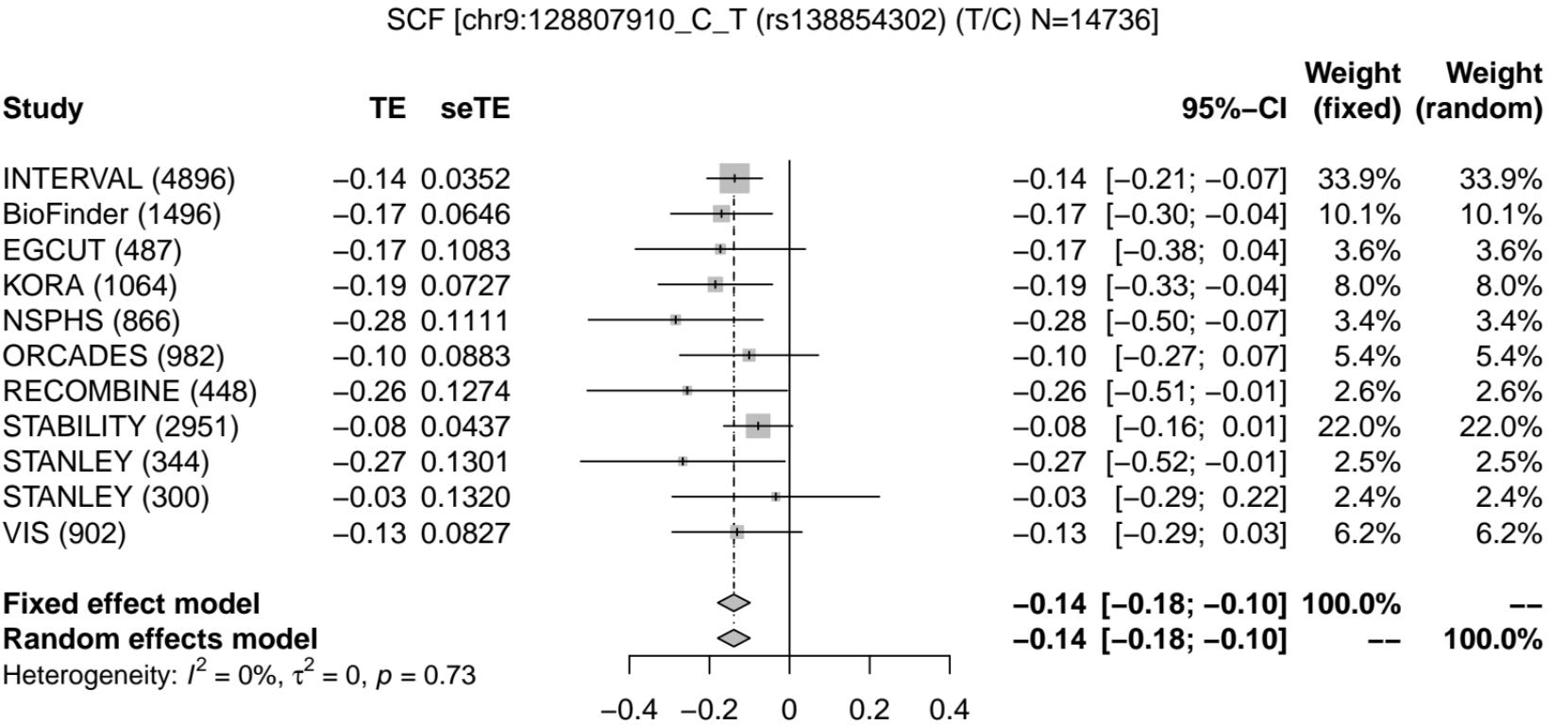
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.92$



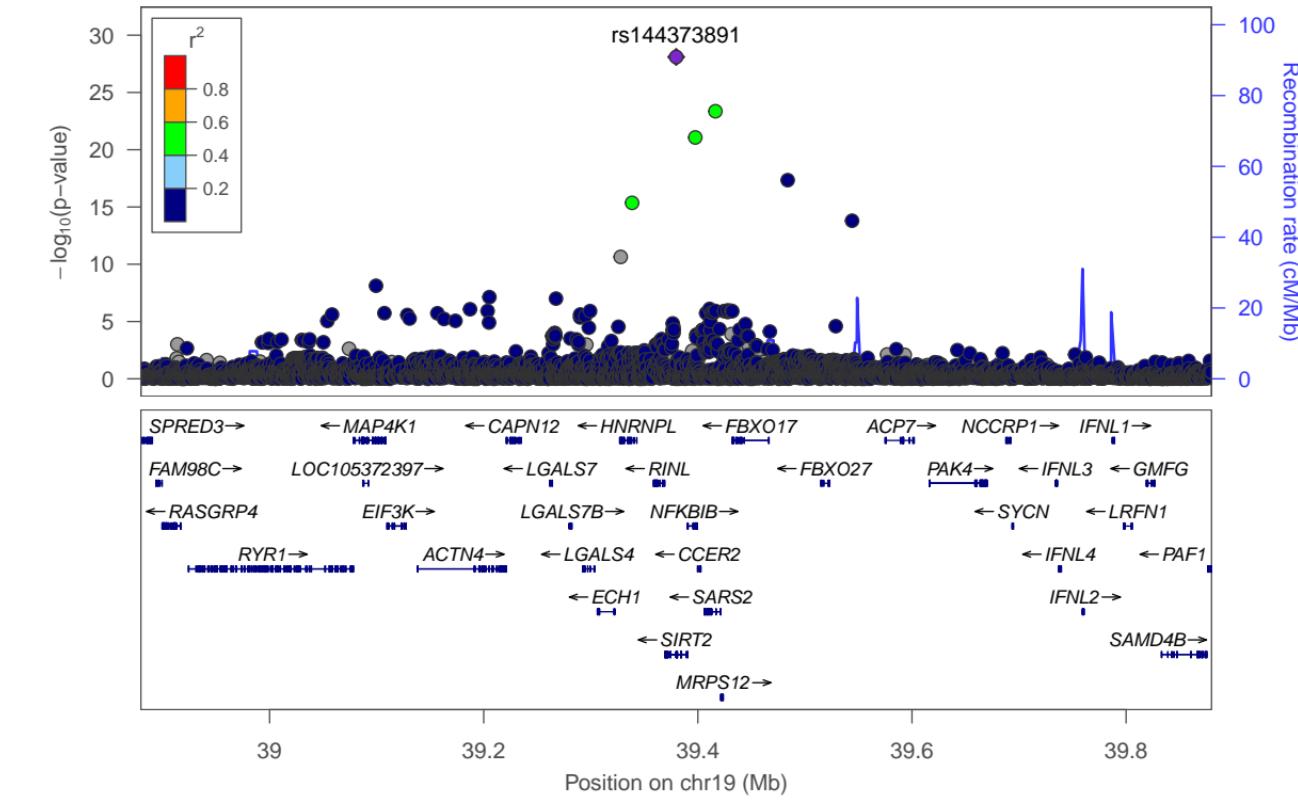
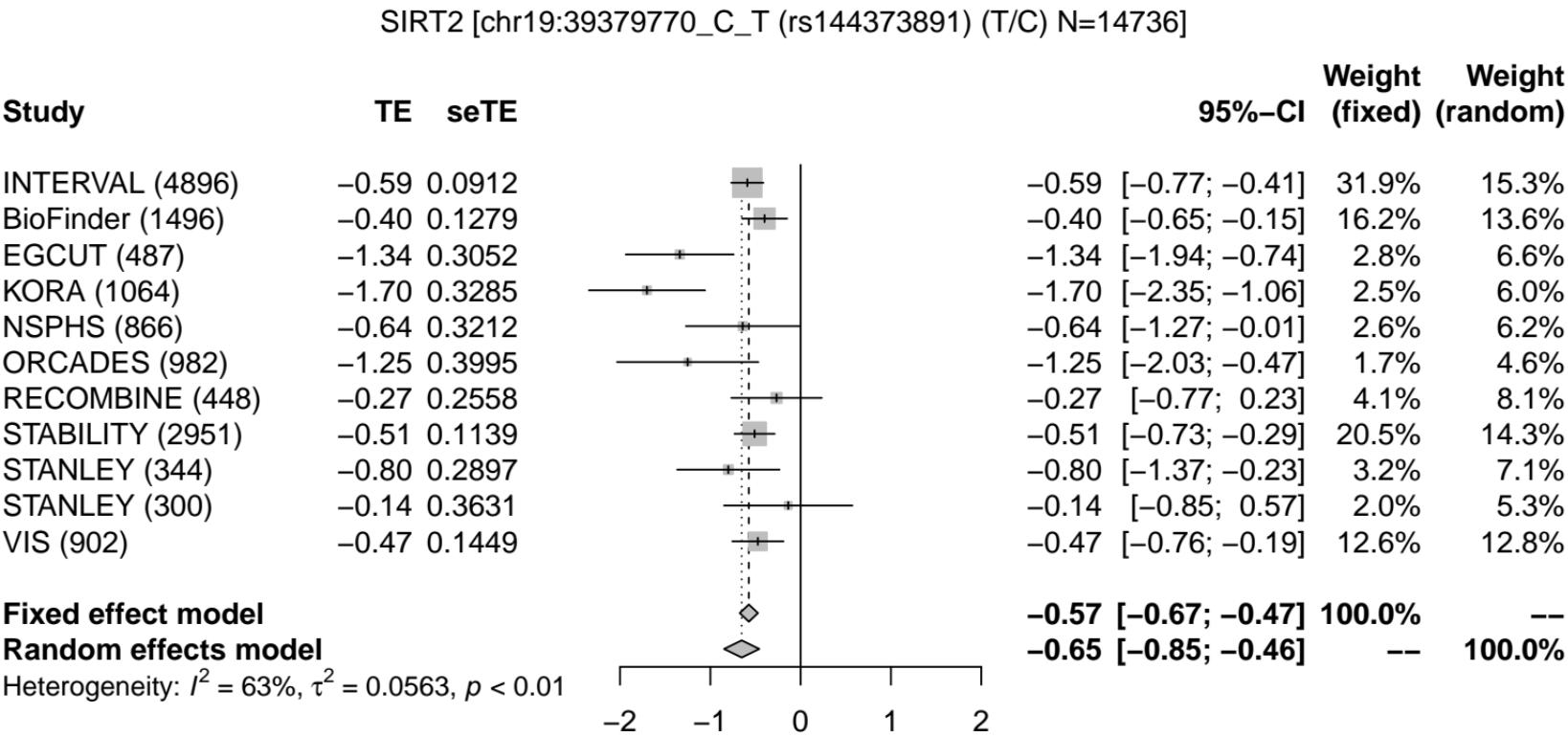
SCF (KITLG)-rs2740488



SCF (KITLG)-rs138854302



SIRT2 (SIRT2)-rs144373891



SLAMF1 [chr1:160636559_C_T (rs60094514) (T/C) N=14733]

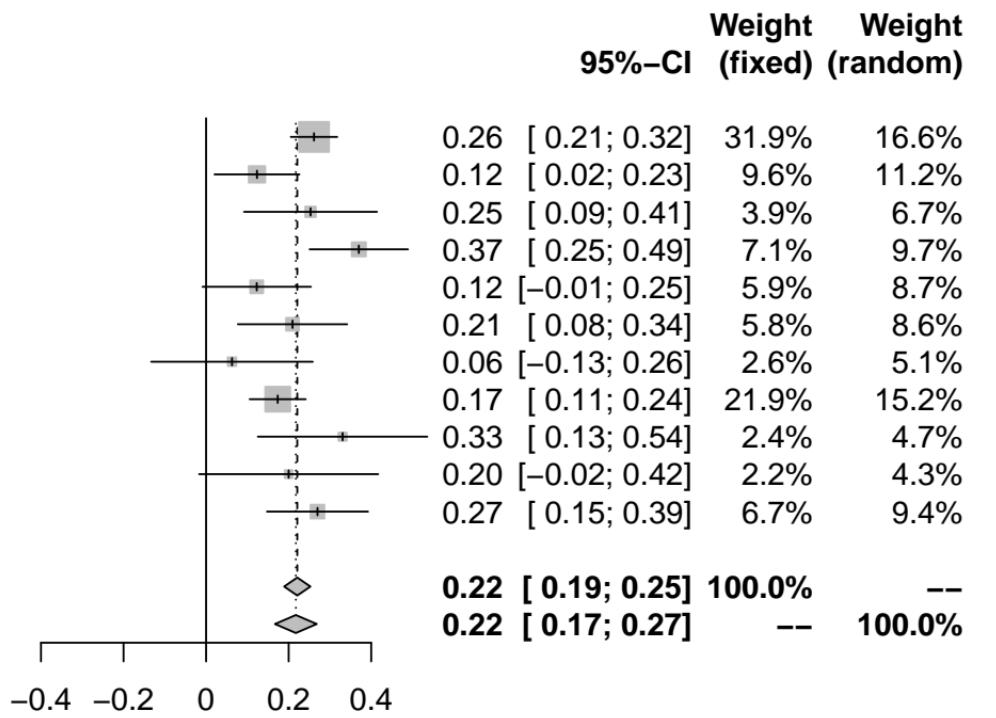
Study

	TE	seTE
INTERVAL (4896)	0.26	0.0287
BioFinder (1496)	0.12	0.0525
EGCUT (487)	0.25	0.0822
KORA (1064)	0.37	0.0608
NSPHS (866)	0.12	0.0670
ORCADES (982)	0.21	0.0676
RECOMBINE (447)	0.06	0.0999
STABILITY (2951)	0.17	0.0347
STANLEY (344)	0.33	0.1048
STANLEY (300)	0.20	0.1107
VIS (900)	0.27	0.0625

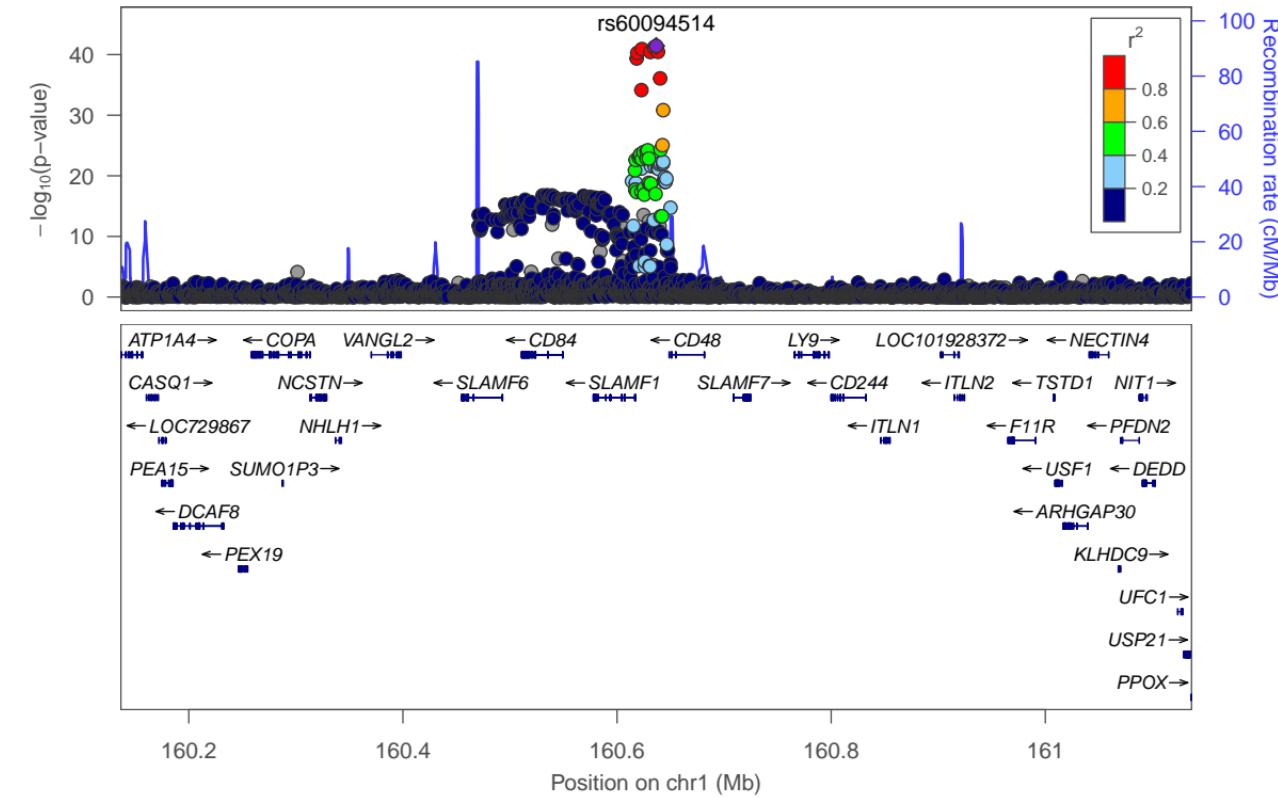
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 50\%$, $\tau^2 = 0.0032$, $p = 0.03$



SLAMF1 (SLAMF1)-rs60094514



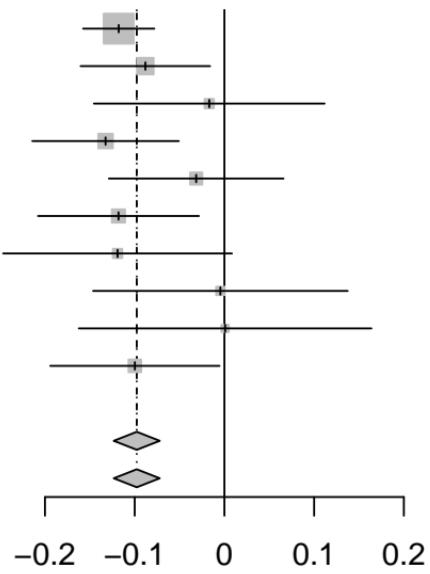
SLAMF1 [chr12:112007756_C_T (rs653178) (T/C) N=11783]

Study

Study	TE	seTE
INTERVAL (4896)	-0.12	0.0203
BioFinder (1496)	-0.09	0.0368
EGCUT (487)	-0.02	0.0656
KORA (1064)	-0.13	0.0417
NSPHS (866)	-0.03	0.0497
ORCADES (982)	-0.12	0.0458
RECOMBINE (448)	-0.12	0.0651
STANLEY (344)	-0.00	0.0724
STANLEY (300)	0.00	0.0832
VIS (900)	-0.10	0.0481

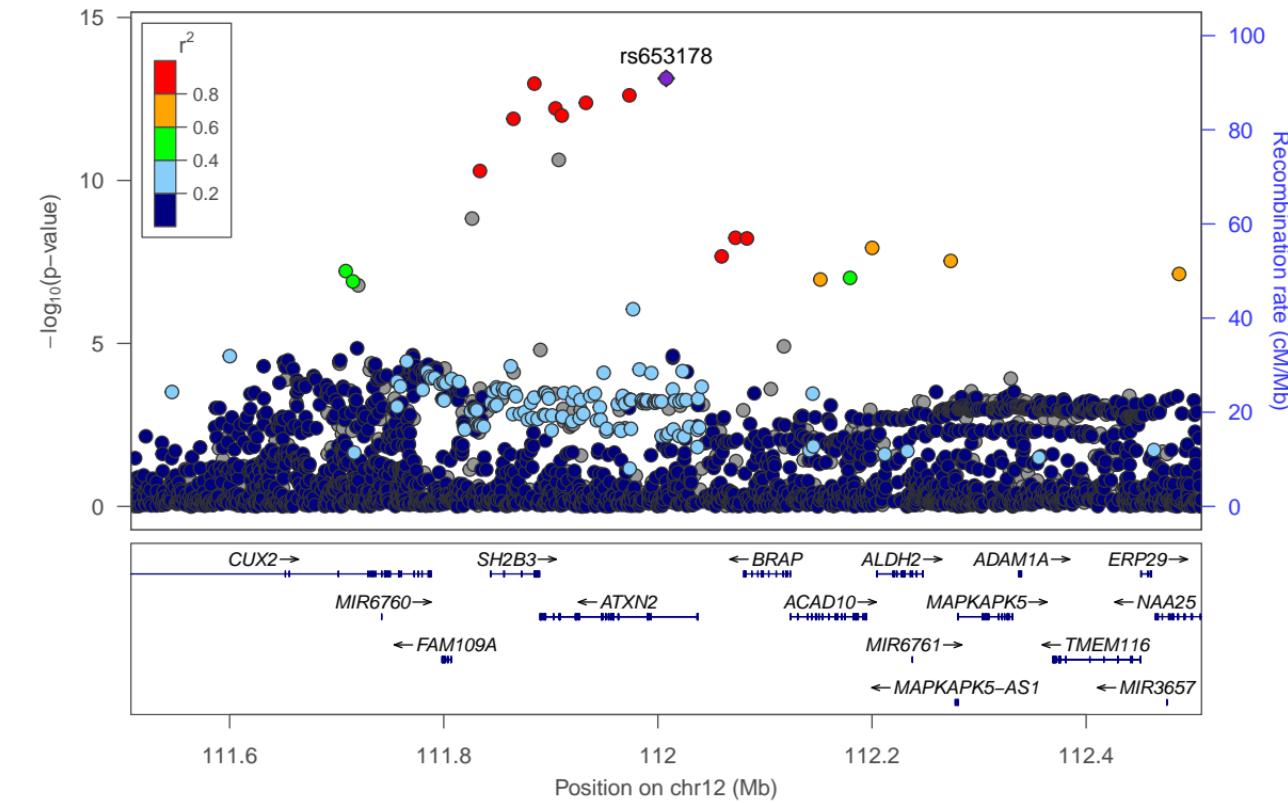
Fixed effect model
Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.49$



		Weight 95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	41.5%	41.5%
		-0.09 [-0.16; -0.02]	12.6%	12.6%
		-0.02 [-0.15; 0.11]	4.0%	4.0%
		-0.13 [-0.21; -0.05]	9.8%	9.8%
		-0.03 [-0.13; 0.07]	6.9%	6.9%
		-0.12 [-0.21; -0.03]	8.1%	8.1%
		-0.12 [-0.25; 0.01]	4.0%	4.0%
		-0.00 [-0.15; 0.14]	3.3%	3.3%
		0.00 [-0.16; 0.16]	2.5%	2.5%
		-0.10 [-0.19; -0.01]	7.4%	7.4%
	Fixed effect model	-0.10 [-0.12; -0.07]	100.0%	--
	Random effects model	-0.10 [-0.12; -0.07]	--	100.0%

SLAMF1 (SLAMF1)-rs653178



SLAMF1 (SLAMF1)-rs200489612

SLAMF1 [chr17:7106378_A_G (rs200489612) (A/G) N=6778]

Study

	TE	seTE
INTERVAL (4896)	0.72	0.1241
ORCADES (982)	1.16	0.4025
VIS (900)	0.93	0.4365

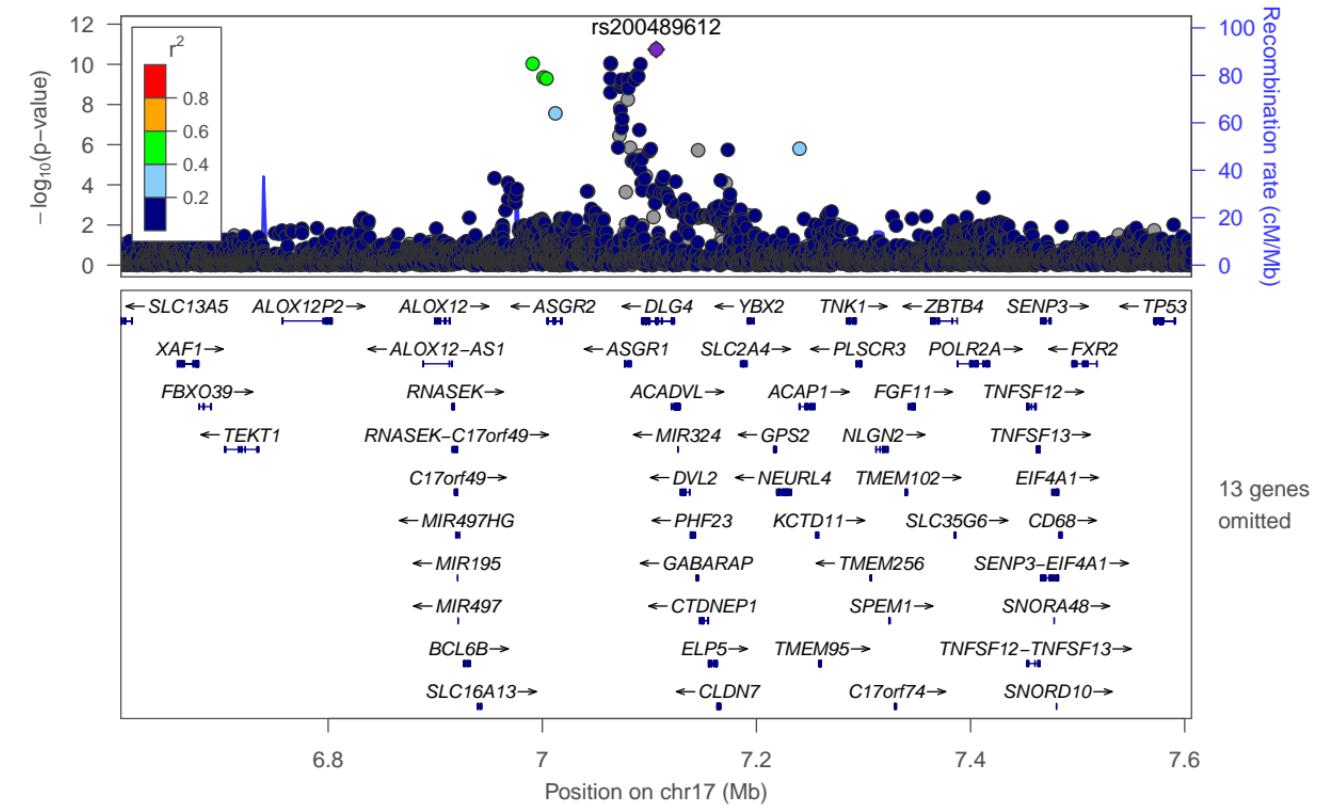
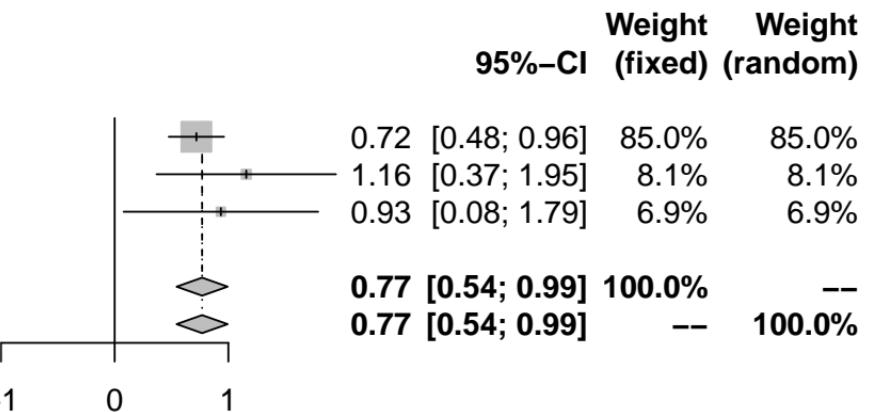
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.54$

TE

seTE



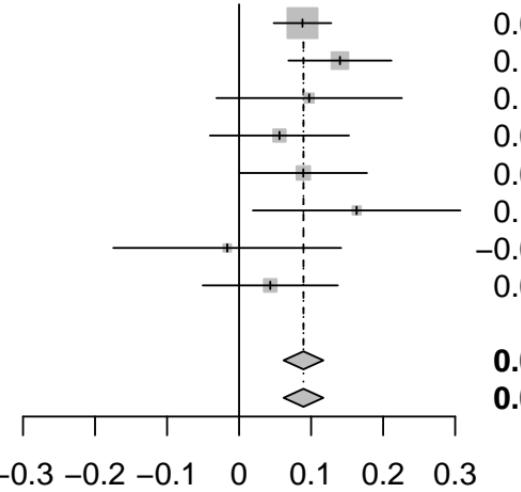
SLAMF1 [chr17:79220224_C_G (rs2725405) (C/G) N=10271]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
NSPHS (866)
ORCADES (982)
STANLEY (344)
STANLEY (300)
VIS (900)

TE seTE

0.09	0.0204
0.14	0.0365
0.10	0.0657
0.06	0.0493
0.09	0.0451
0.16	0.0735
-0.02	0.0807
0.04	0.0479



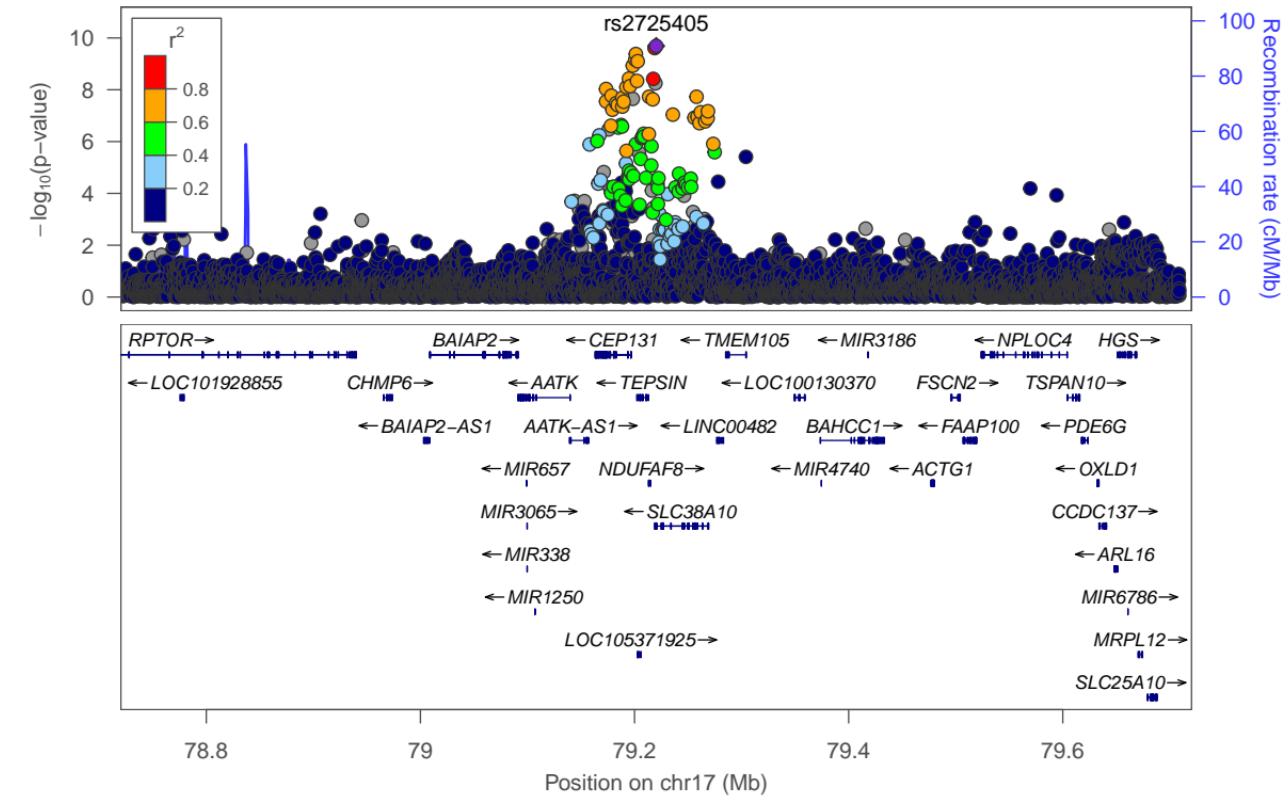
	95%-CI	Weight (fixed)	Weight (random)
0.09 [0.05; 0.13]	47.5%	47.5%	
0.14 [0.07; 0.21]	14.8%	14.8%	
0.10 [-0.03; 0.23]	4.6%	4.6%	
0.06 [-0.04; 0.15]	8.1%	8.1%	
0.09 [0.00; 0.18]	9.7%	9.7%	
0.16 [0.02; 0.31]	3.7%	3.7%	
-0.02 [-0.17; 0.14]	3.0%	3.0%	
0.04 [-0.05; 0.14]	8.6%	8.6%	
0.09 [0.06; 0.12]	100.0%	--	
0.09 [0.06; 0.12]	--	100.0%	

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.53$

SLAMF1 (SLAMF1)-rs2725405



SLAMF1 (SLAMF1)-rs570025519

SLAMF1 [chr5:95263427_A_G (rs570025519) (A/G) N=10894]

Study

	TE	seTE
INTERVAL (4896)	0.13	0.0250
BioFinder (1496)	0.14	0.0419
EGCUT (487)	0.15	0.0856
KORA (1064)	0.14	0.0553
STABILITY (2951)	0.13	0.0305

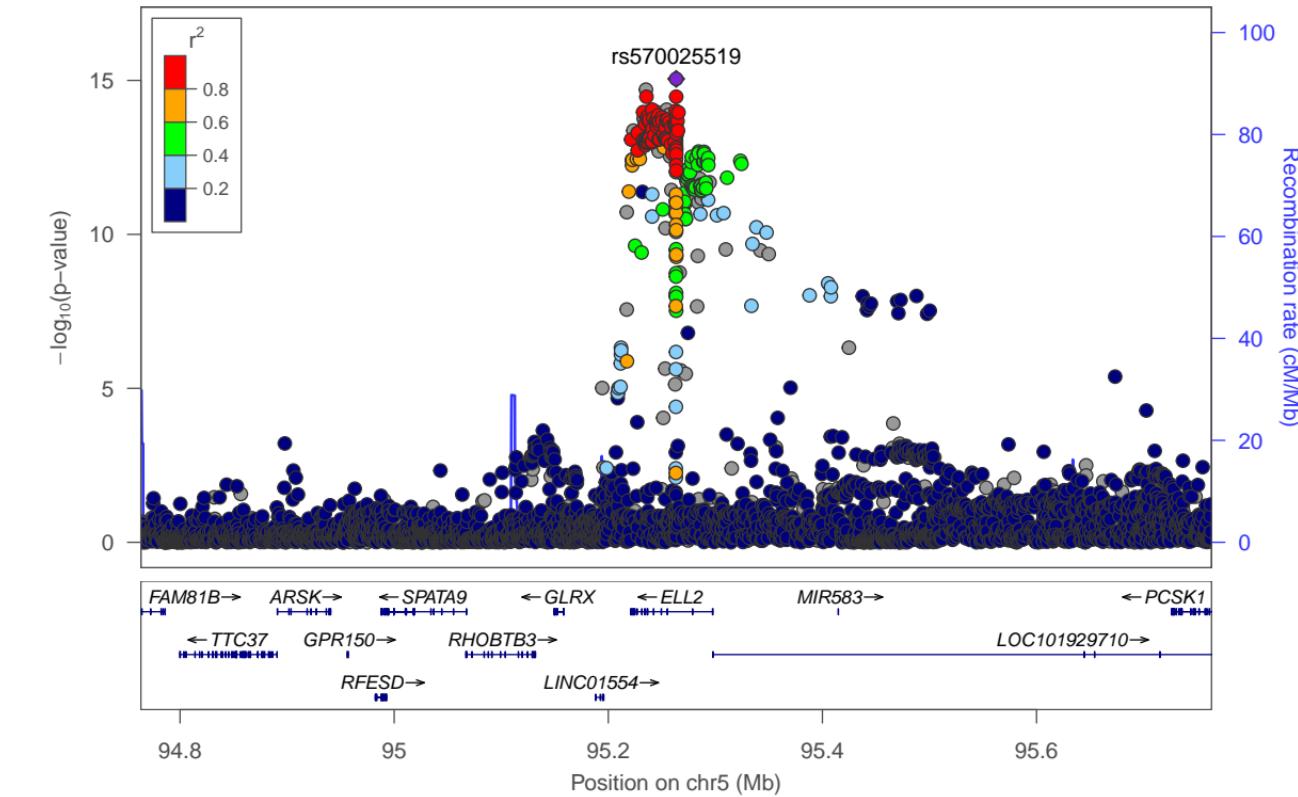
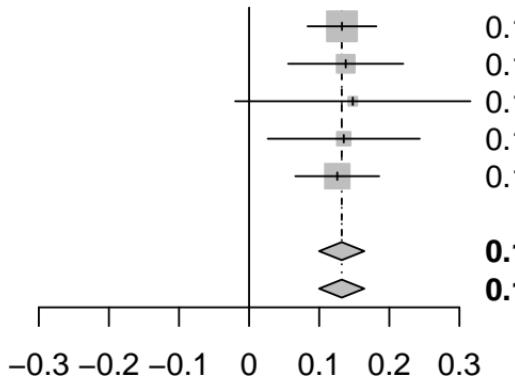
TE seTE

	95%-CI	Weight (fixed)	Weight (random)
	0.13 [0.08; 0.18]	43.1%	43.1%
	0.14 [0.06; 0.22]	15.4%	15.4%
	0.15 [-0.02; 0.32]	3.7%	3.7%
	0.14 [0.03; 0.24]	8.8%	8.8%
	0.13 [0.07; 0.19]	29.0%	29.0%
	0.13 [0.10; 0.16]	100.0%	--
	0.13 [0.10; 0.16]	--	100.0%

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 1.00$



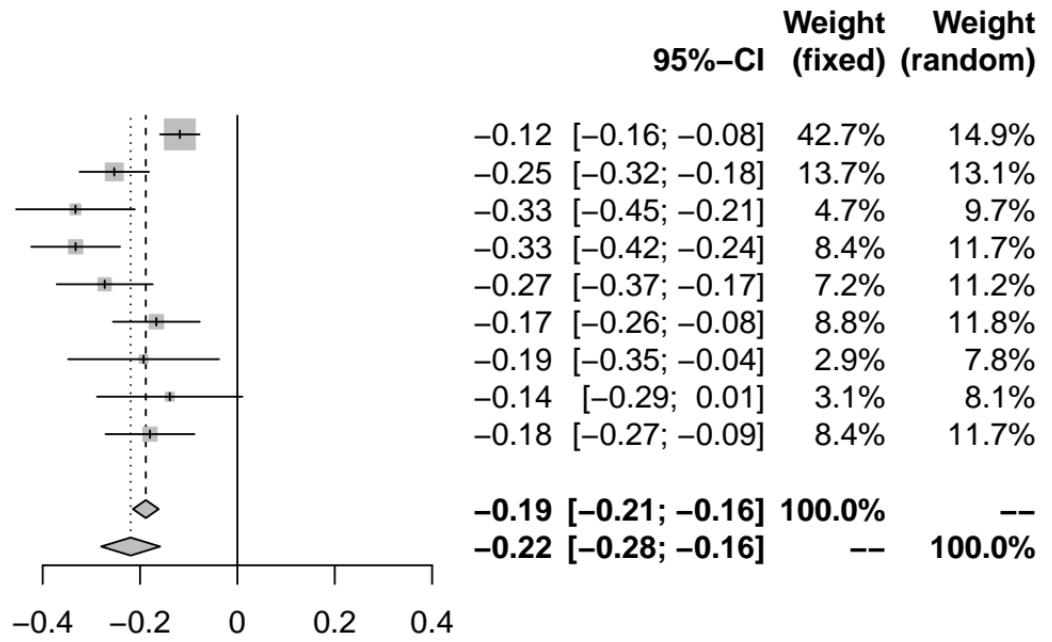
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
STANLEY (344)
STANLEY (300)
VIS (902)

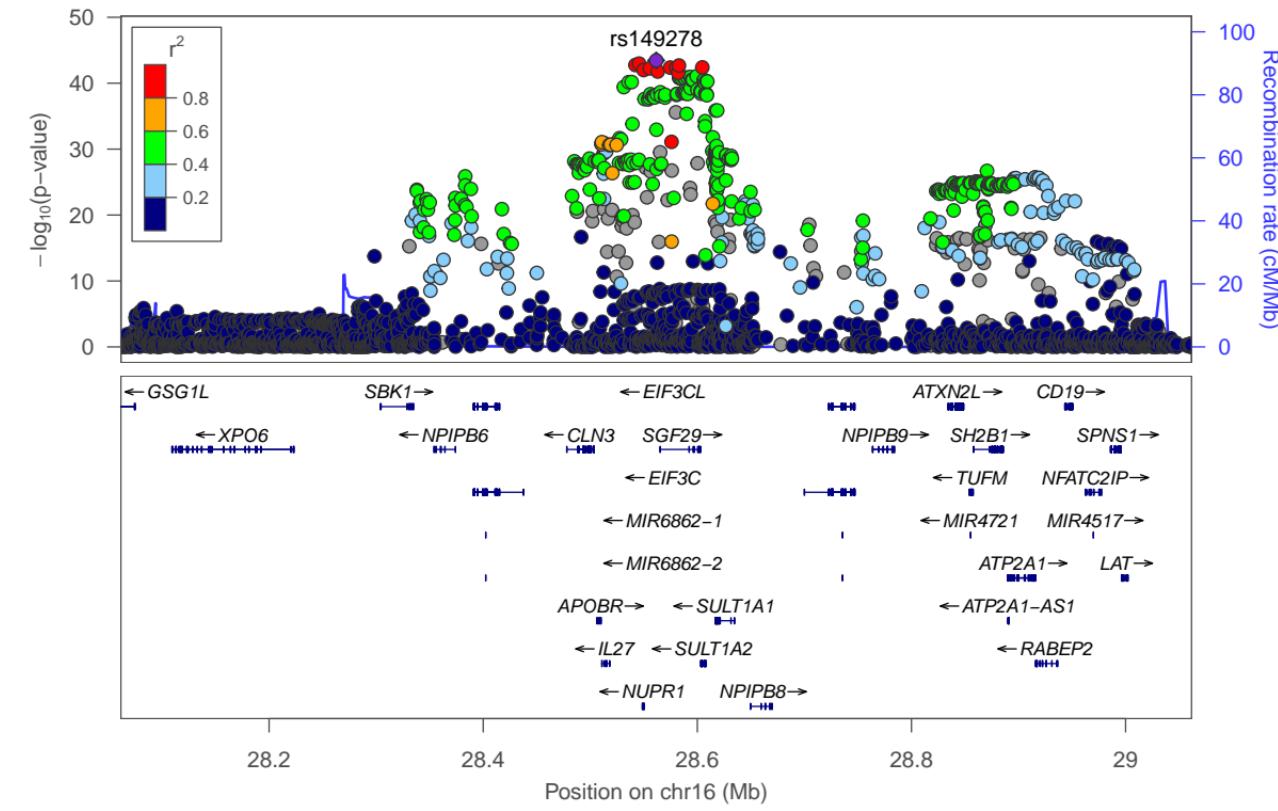
TE seTE

-0.12 0.0207
-0.25 0.0364
-0.33 0.0622
-0.33 0.0466
-0.27 0.0503
-0.17 0.0455
-0.19 0.0791
-0.14 0.0762
-0.18 0.0466

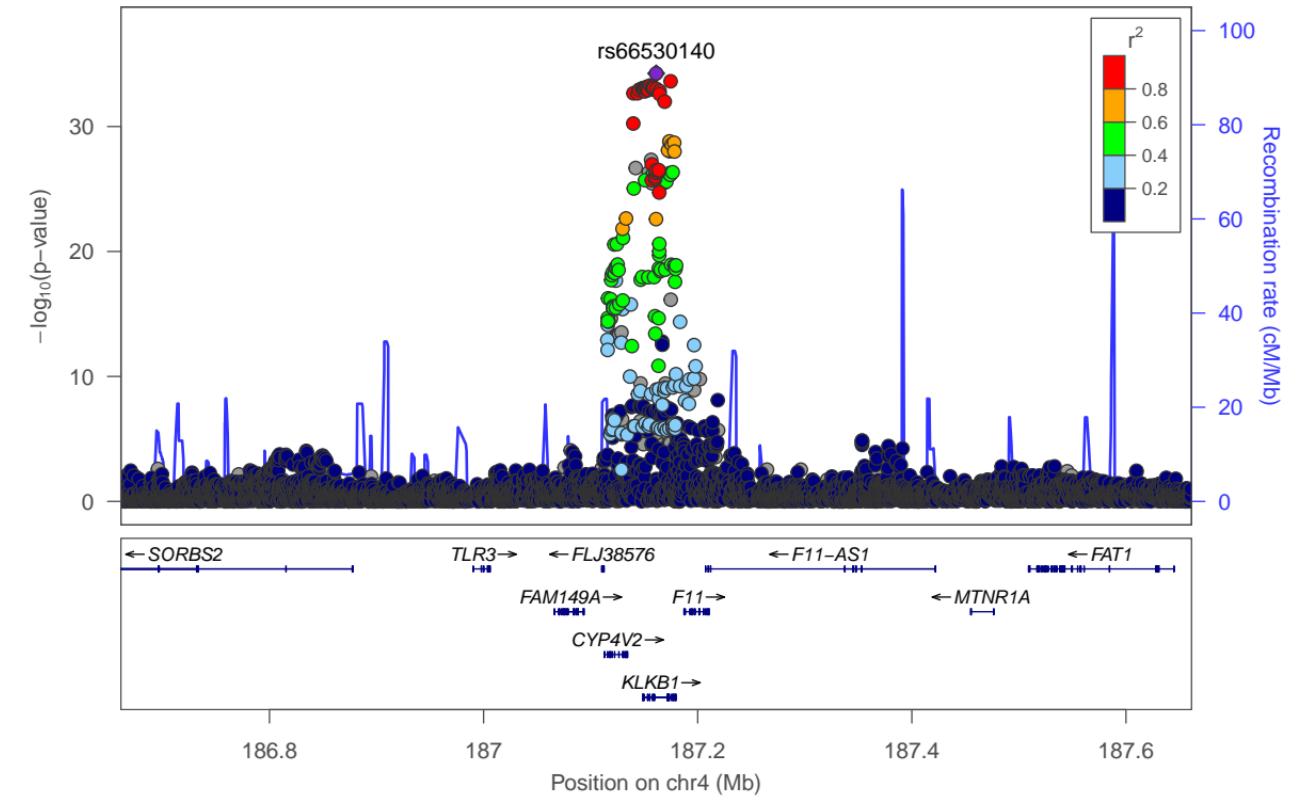
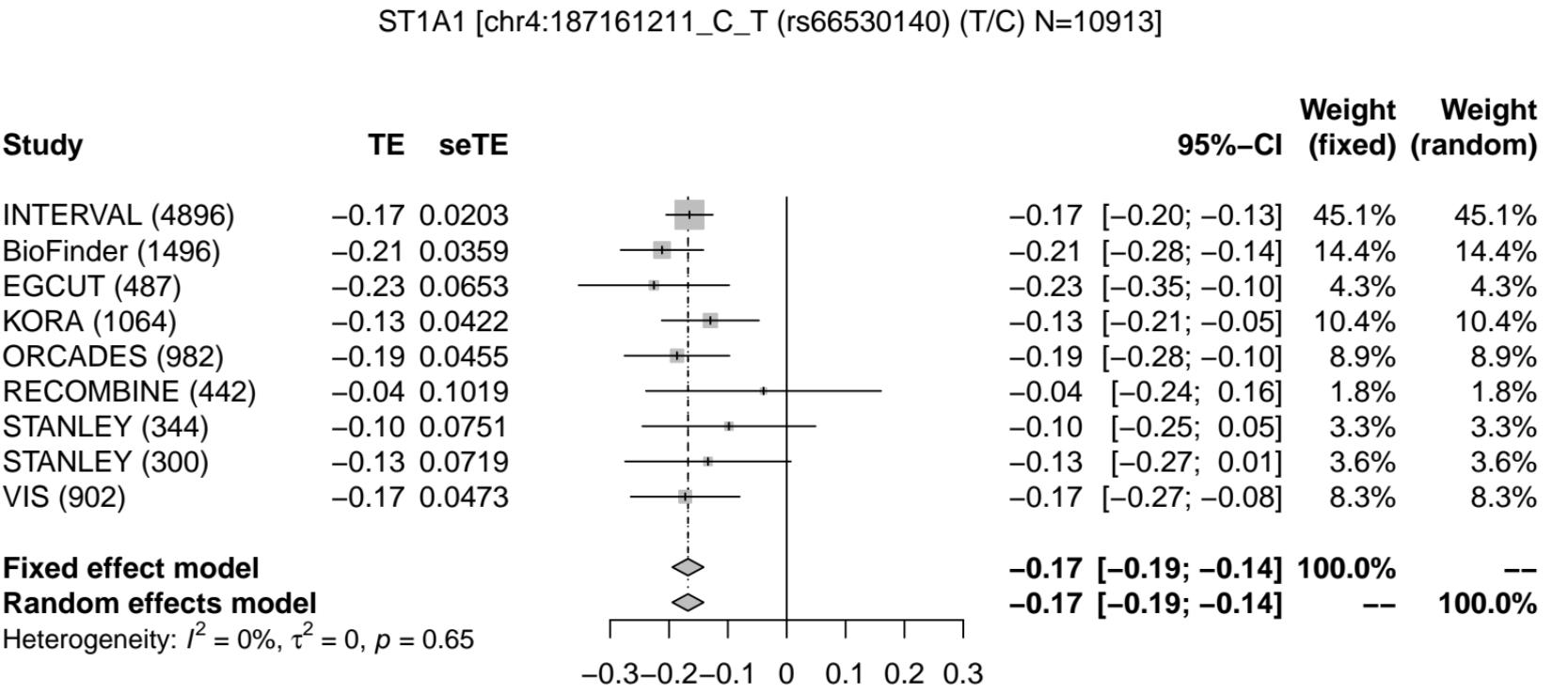
ST1A1 [chr16:28561581_C_T (rs149278) (T/C) N=11345]



ST1A1 (SULT1A1)-rs149278



ST1A1 (SULT1A1)-rs66530140



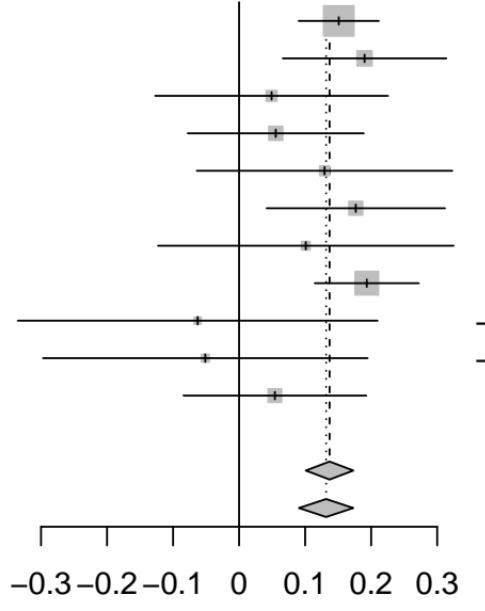
TGF-alpha [chr2:70774295_A_T (rs72912115) (A/T) N=14728]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (979)
RECOMBINE (443)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

0.15 0.0310
0.19 0.0632
0.05 0.0900
0.06 0.0680
0.13 0.0988
0.18 0.0689
0.10 0.1142
0.19 0.0402
-0.06 0.1390
-0.05 0.1254
0.05 0.0706

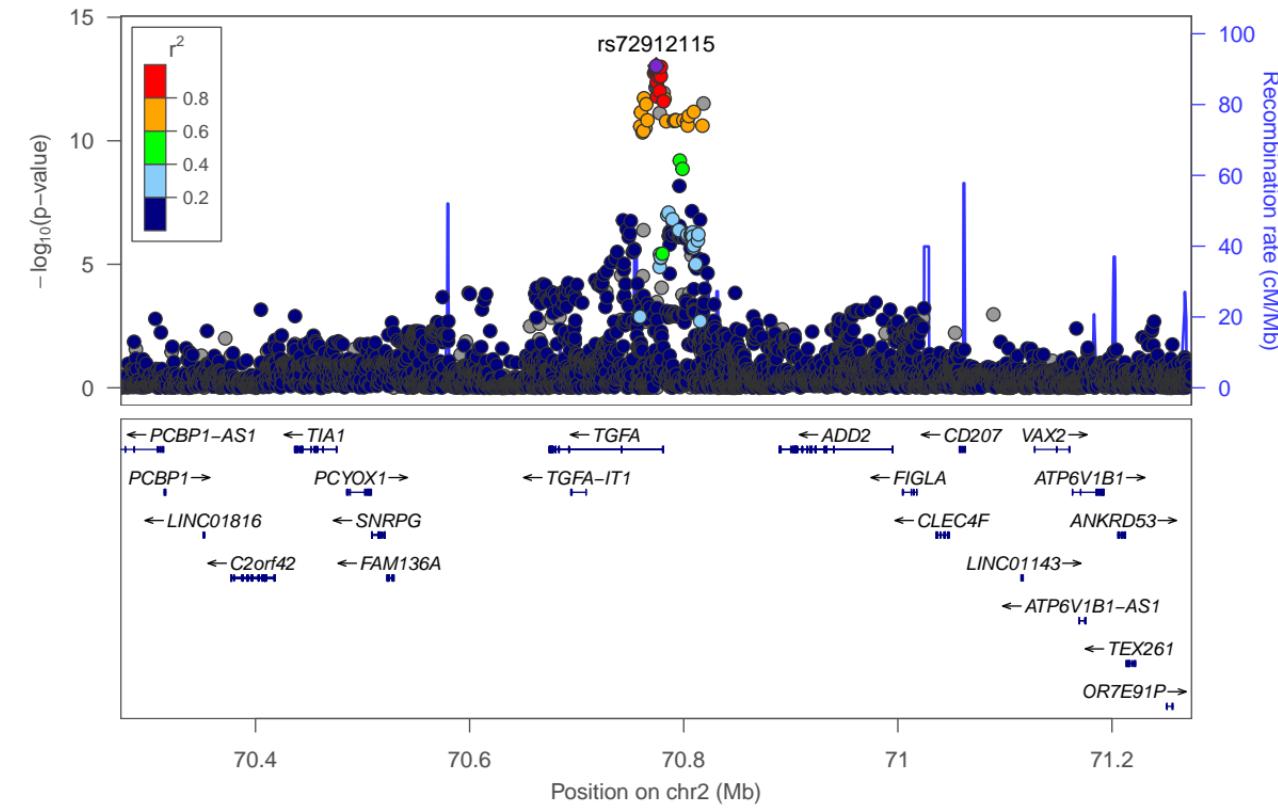


Fixed effect model
Random effects model
Heterogeneity: $I^2 = 12\%$, $\tau^2 = 0.0006$, $p = 0.33$

Weight (fixed) Weight (random)

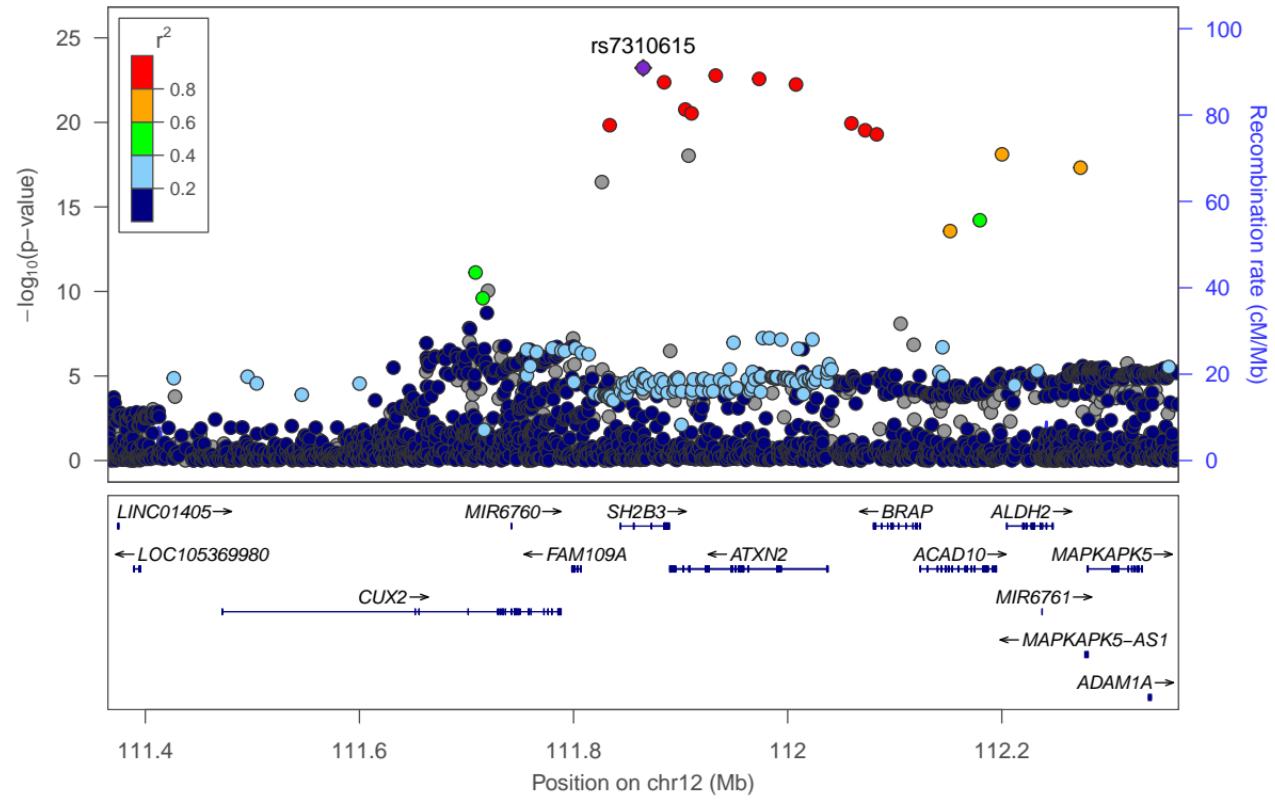
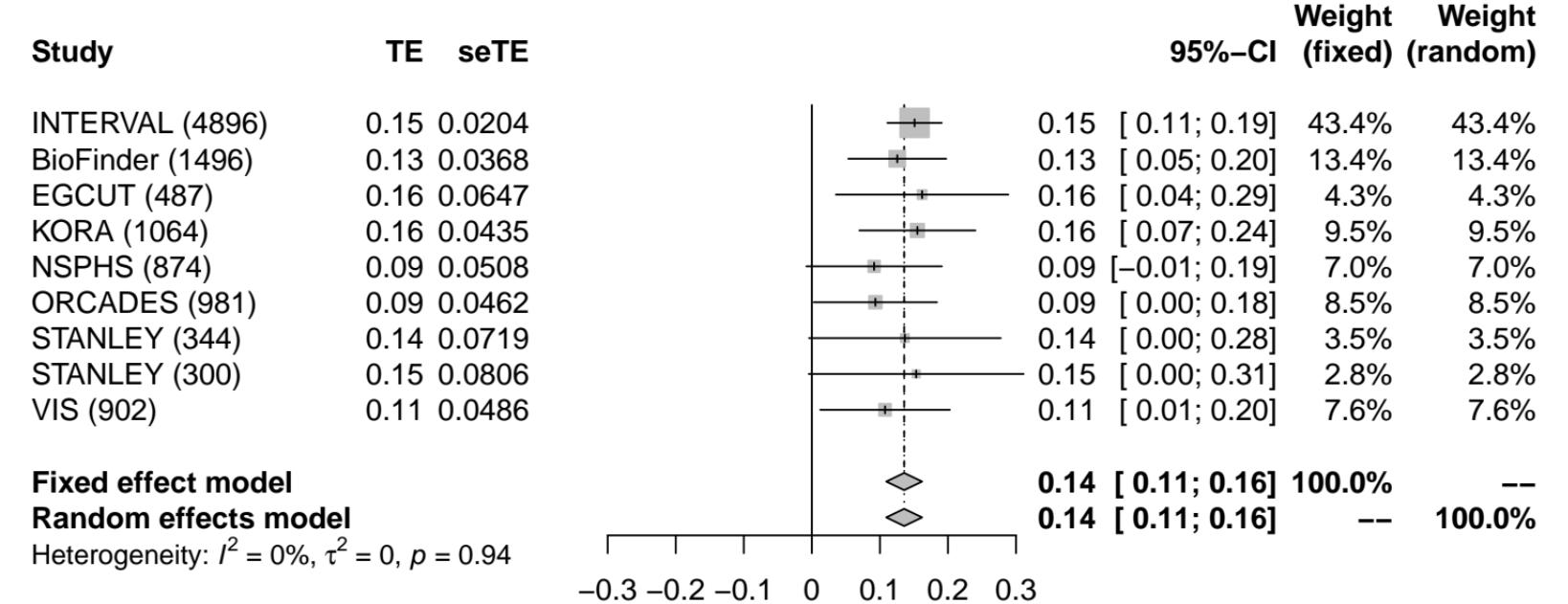
0.14 [0.10; 0.17] 100.0% --
0.13 [0.09; 0.17] -- 100.0%

TGF-alpha (TGFA)-rs72912115



TNFB (LTA)-rs7310615

TNFB [chr12:111865049_C_G (rs7310615) (C/G) N=11344]



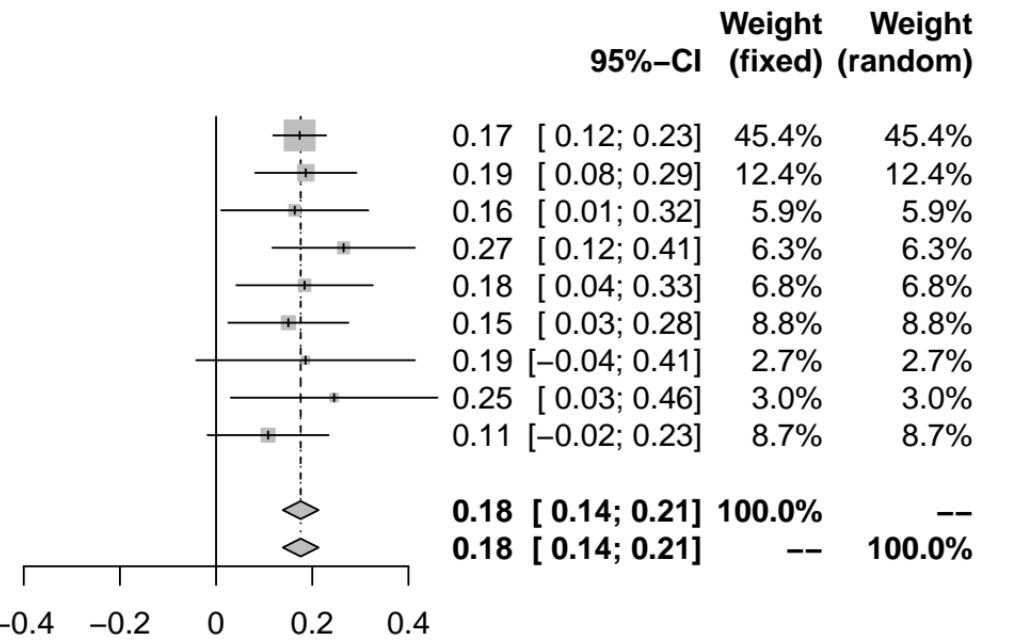
TNFB [chr12:6514963_A_C (rs2364485) (A/C) N=11344]

Study	TE	seTE
INTERVAL (4896)	0.17	0.0281
BioFinder (1496)	0.19	0.0537
EGCUT (487)	0.16	0.0781
KORA (1064)	0.27	0.0756
NSPHS (874)	0.18	0.0724
ORCADES (981)	0.15	0.0638
STANLEY (344)	0.19	0.1160
STANLEY (300)	0.25	0.1096
VIS (902)	0.11	0.0643

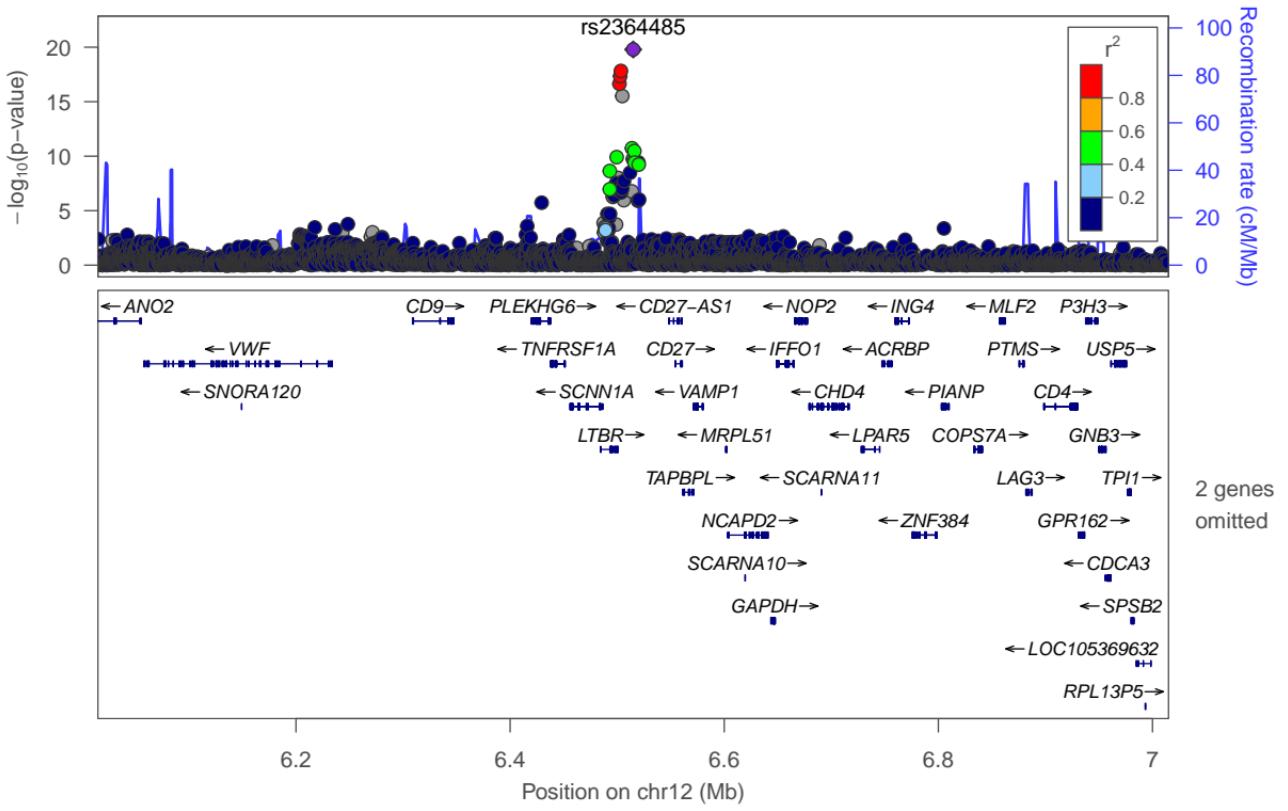
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.92$



TNFB (LTA)-rs2364485



TNFB [chr6:31540757_A_C (rs2229092) (A/C) N=11792]

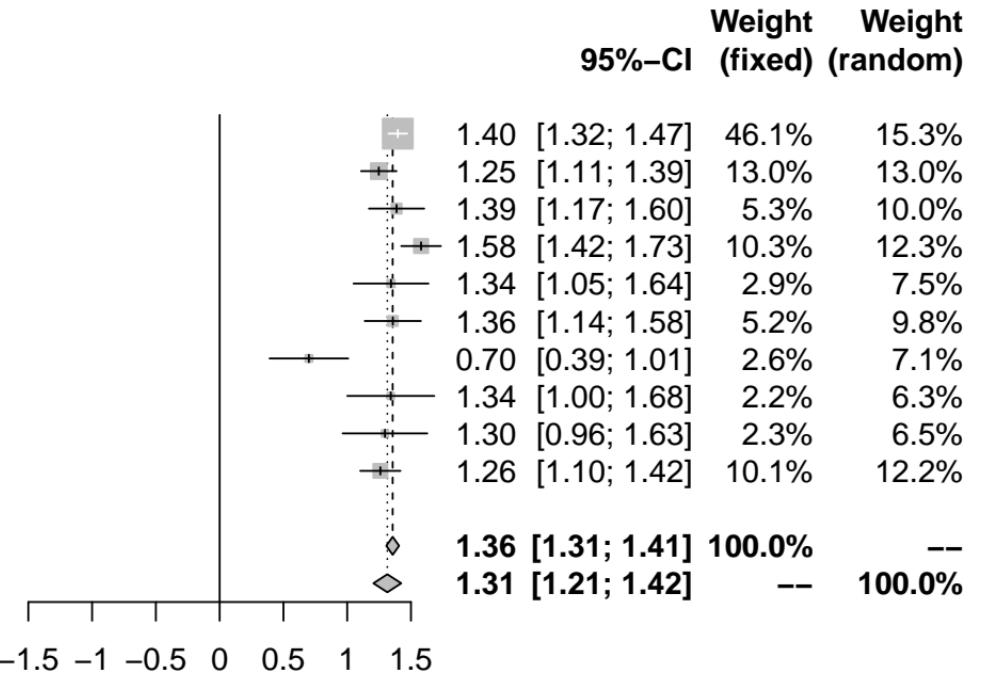
Study

	TE	seTE
INTERVAL (4896)	1.40	0.0376
BioFinder (1496)	1.25	0.0710
EGCUT (487)	1.39	0.1106
KORA (1064)	1.58	0.0795
NSPHS (874)	1.34	0.1500
ORCADES (981)	1.36	0.1125
RECOMBINE (448)	0.70	0.1573
STANLEY (344)	1.34	0.1742
STANLEY (300)	1.30	0.1694
VIS (902)	1.26	0.0805

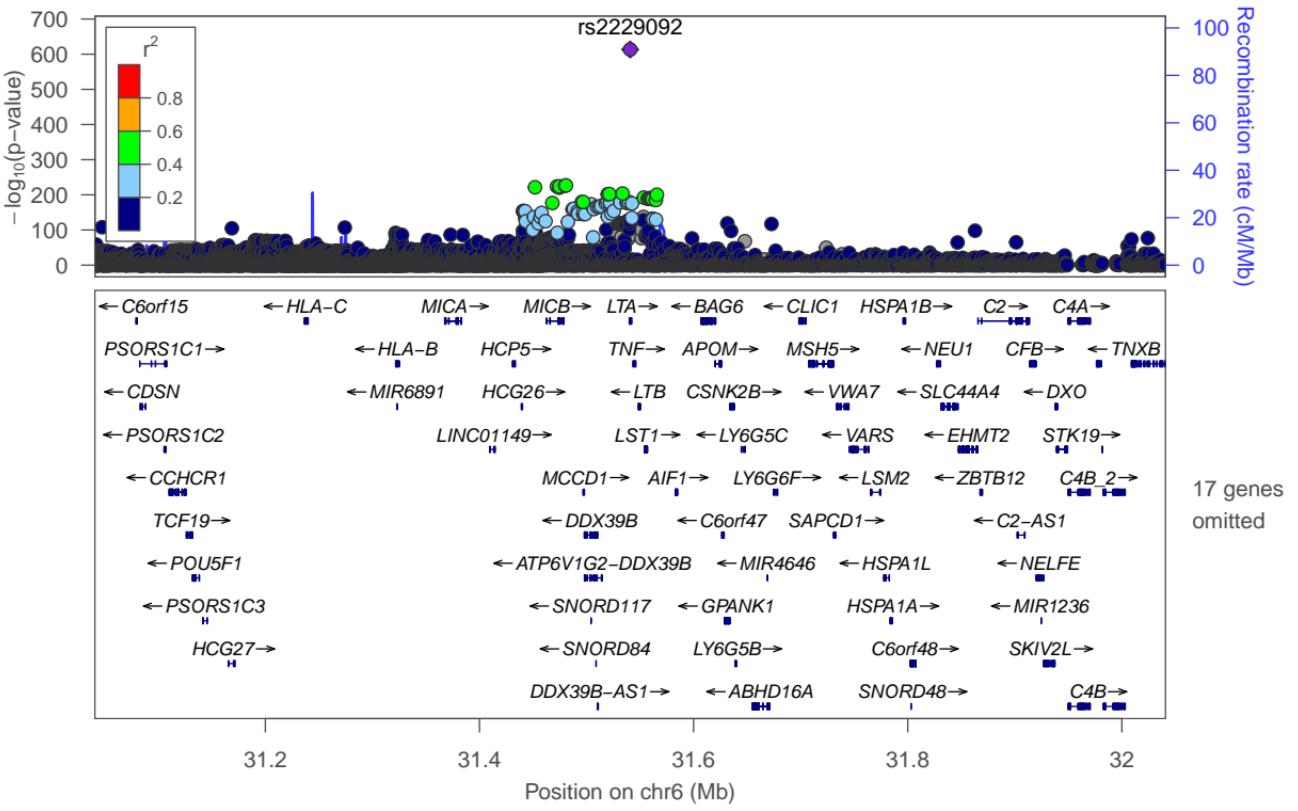
Fixed effect model

Random effects model

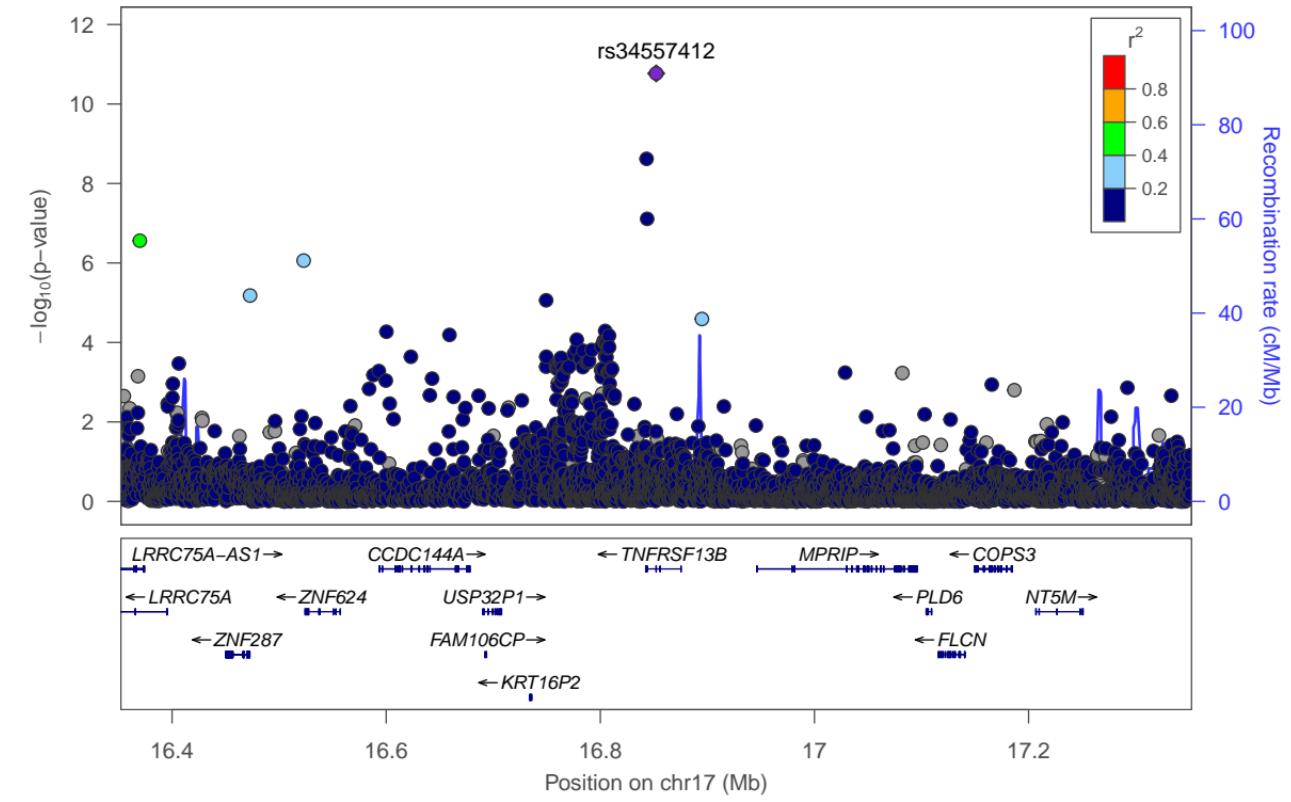
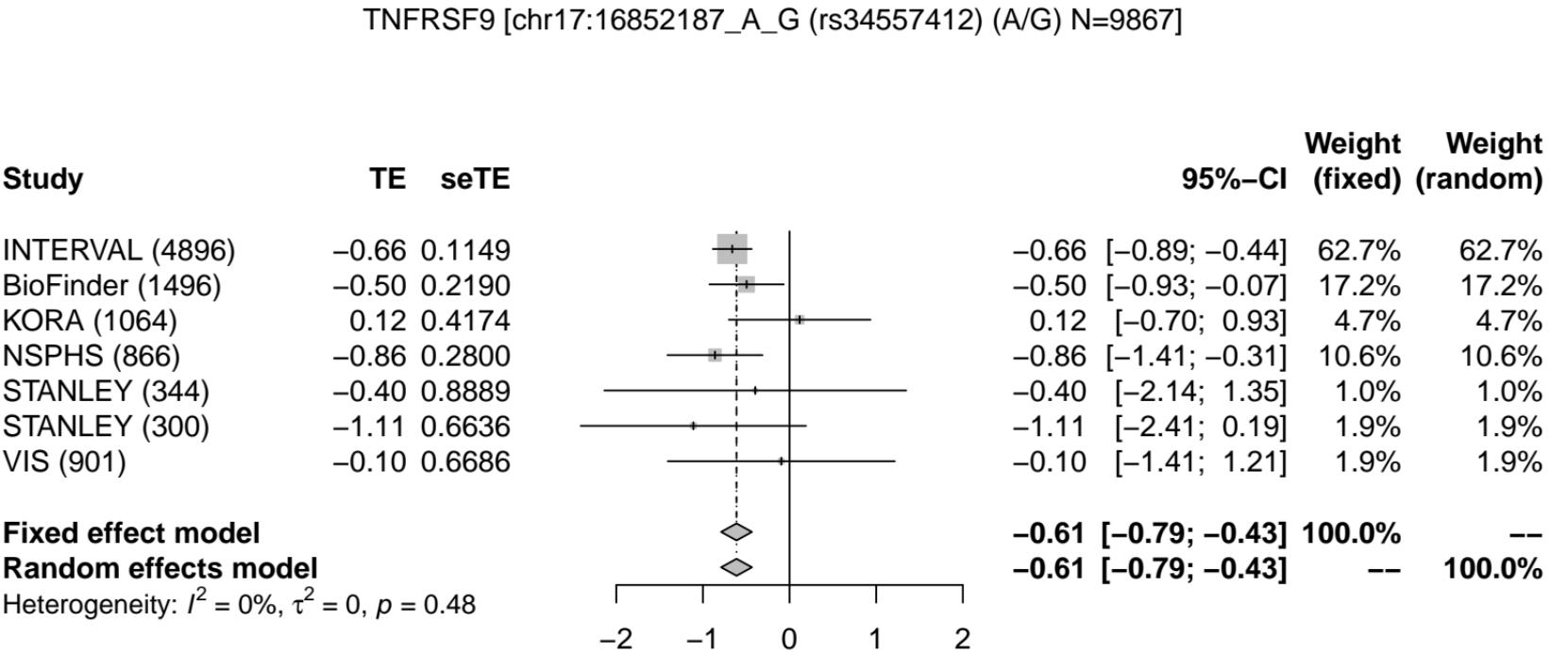
Heterogeneity: $I^2 = 70\%$, $\tau^2 = 0.0189$, $p < 0.01$

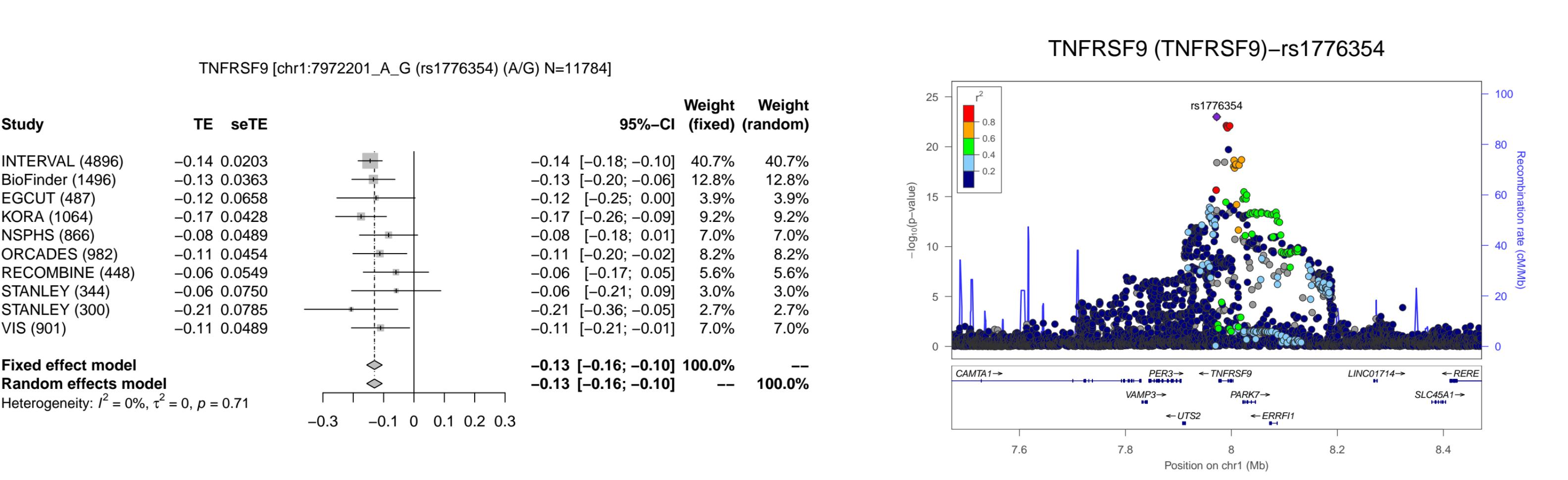


TNFB (LTA)-rs2229092



TNFRSF9 (TNFRSF9)-rs34557412





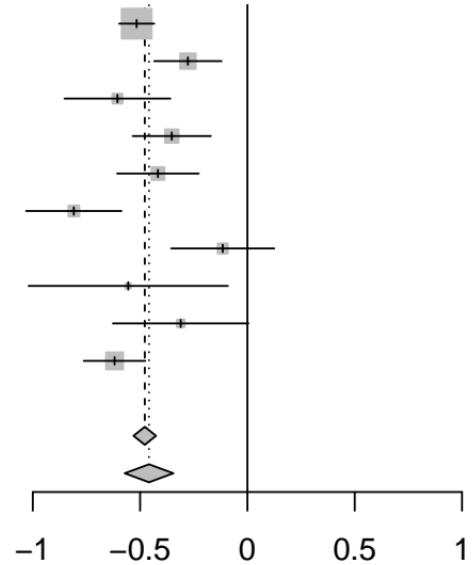
TNFSF14 (TNFSF14)-rs344562

TNFSF14 [chr19:6661549_C_T (rs344562) (T/C) N=11789]

Study

Study	TE	seTE
INTERVAL (4896)	-0.52	0.0417
BioFinder (1496)	-0.28	0.0800
EGCUT (487)	-0.61	0.1259
KORA (1064)	-0.35	0.0930
NSPHS (874)	-0.42	0.0972
ORCADES (982)	-0.81	0.1134
RECOMBINE (444)	-0.11	0.1226
STANLEY (344)	-0.56	0.2371
STANLEY (300)	-0.31	0.1612
VIS (902)	-0.62	0.0733

TE seTE

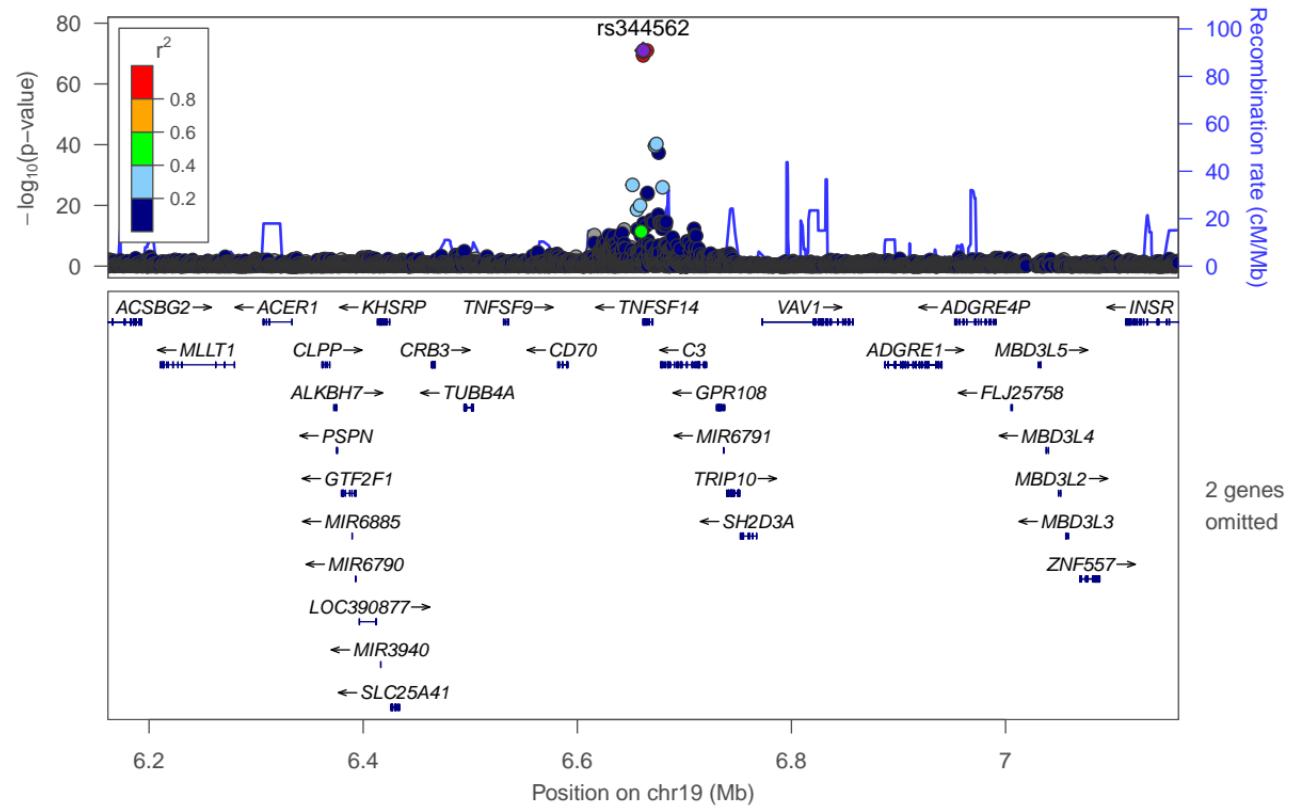


		95%-CI	Weight (fixed)	Weight (random)
		-0.52 [-0.60; -0.43]	41.0%	14.4%
		-0.28 [-0.43; -0.12]	11.1%	12.0%
		-0.61 [-0.85; -0.36]	4.5%	9.0%
		-0.35 [-0.53; -0.17]	8.2%	11.1%
		-0.42 [-0.61; -0.23]	7.6%	10.8%
		-0.81 [-1.03; -0.59]	5.5%	9.7%
		-0.11 [-0.36; 0.13]	4.7%	9.2%
		-0.56 [-1.02; -0.09]	1.3%	4.3%
		-0.31 [-0.63; 0.01]	2.7%	7.0%
		-0.62 [-0.76; -0.48]	13.3%	12.5%
		-0.48 [-0.53; -0.43]	100.0%	--
		-0.46 [-0.57; -0.34]	--	100.0%

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 72\%$, $\tau^2 = 0.0215$, $p < 0.01$



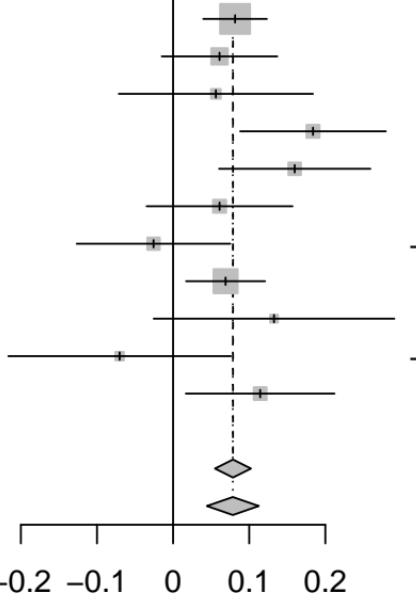
TRAIL [chr11:61549025_A_G (rs174533) (A/G) N=14732]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (445)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

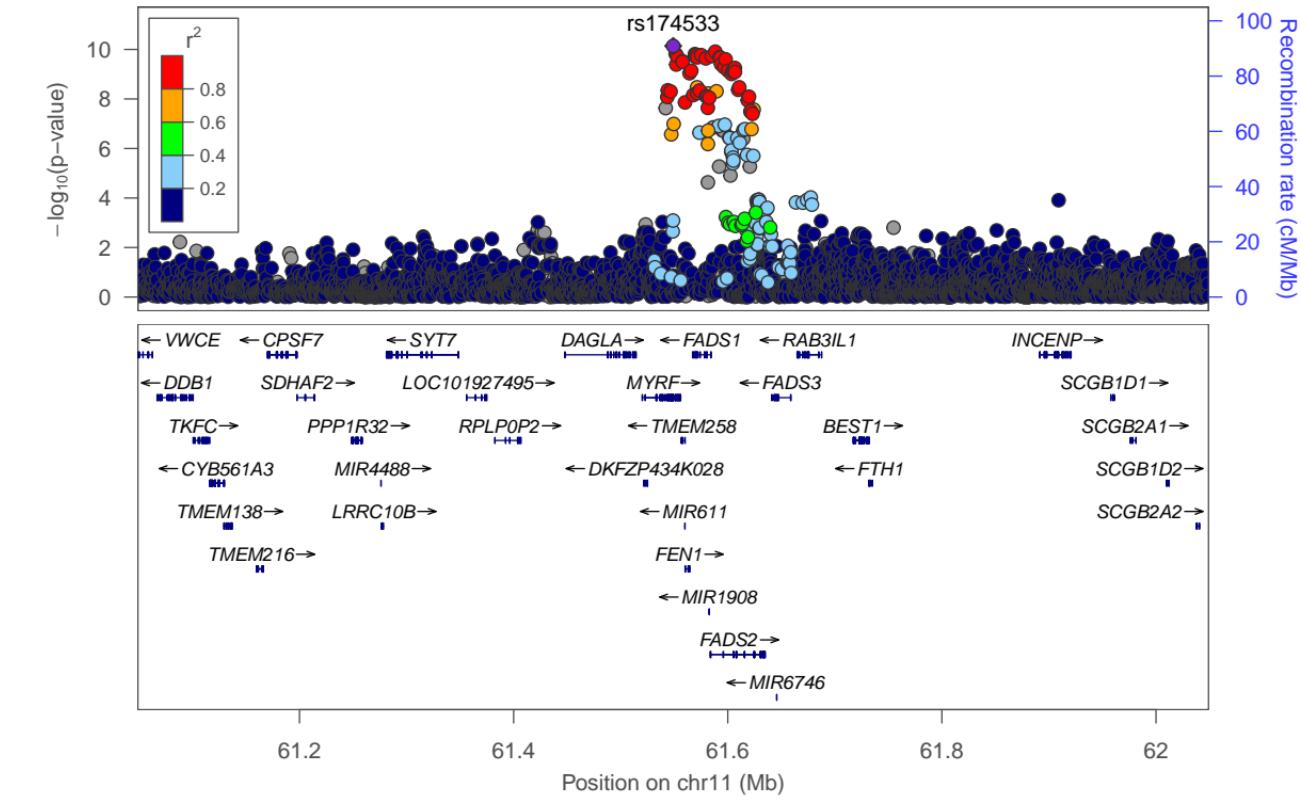
0.08 0.0213
0.06 0.0387
0.06 0.0651
0.18 0.0488
0.16 0.0507
0.06 0.0489
-0.03 0.0515
0.07 0.0265
0.13 0.0807
-0.07 0.0746
0.11 0.0499



	95%-CI	Weight (fixed)	Weight (random)
Fixed effect model	0.08 [0.05; 0.10]	100.0%	--
Random effects model	0.08 [0.04; 0.11]	--	100.0%

Heterogeneity: $I^2 = 41\%$, $\tau^2 = 0.0012$, $p = 0.08$

TRAIL (TNFSF10)-rs174533



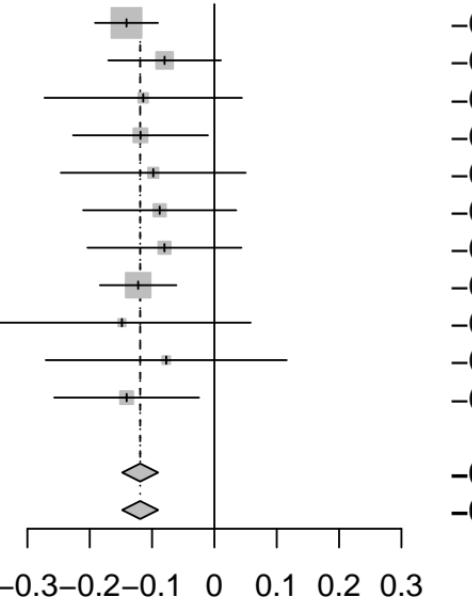
TRAIL [chr1:196710916_C_T (rs16840522) (T/C) N=14725]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (438)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

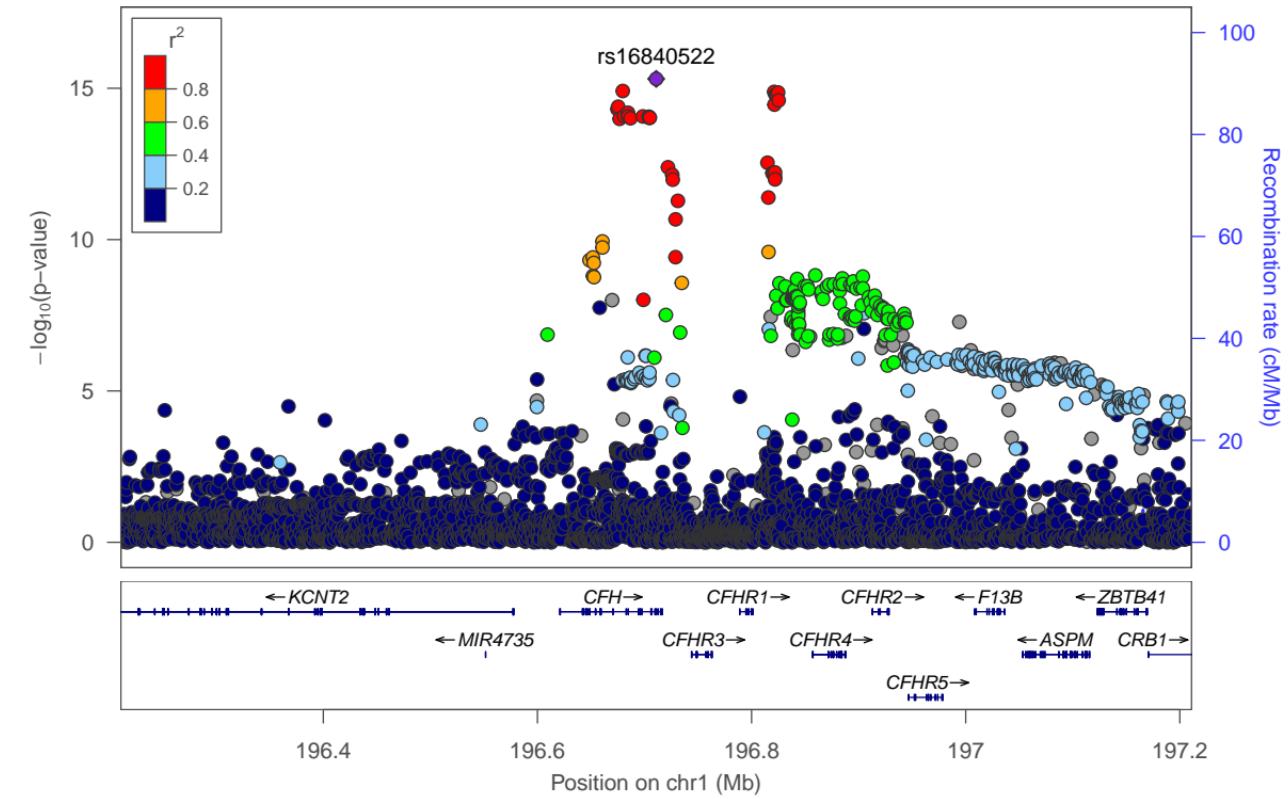
	TE	seTE
INTERVAL (4896)	-0.14	0.0258
BioFinder (1496)	-0.08	0.0461
EGCUT (487)	-0.11	0.0808
KORA (1064)	-0.12	0.0552
NSPHS (866)	-0.10	0.0757
ORCADES (982)	-0.09	0.0627
RECOMBINE (438)	-0.08	0.0630
STABILITY (2951)	-0.12	0.0313
STANLEY (344)	-0.15	0.1054
STANLEY (300)	-0.08	0.0986
VIS (901)	-0.14	0.0593



	95%-CI	Weight (fixed)	Weight (random)
	-0.14 [-0.19; -0.09]	32.5%	32.5%
	-0.08 [-0.17; 0.01]	10.1%	10.1%
	-0.11 [-0.27; 0.04]	3.3%	3.3%
	-0.12 [-0.23; -0.01]	7.1%	7.1%
	-0.10 [-0.25; 0.05]	3.8%	3.8%
	-0.09 [-0.21; 0.03]	5.5%	5.5%
	-0.08 [-0.20; 0.04]	5.4%	5.4%
	-0.12 [-0.18; -0.06]	22.0%	22.0%
	-0.15 [-0.35; 0.06]	1.9%	1.9%
	-0.08 [-0.27; 0.12]	2.2%	2.2%
	-0.14 [-0.26; -0.02]	6.1%	6.1%
Fixed effect model	-0.12 [-0.15; -0.09]	100.0%	--
Random effects model	-0.12 [-0.15; -0.09]	--	100.0%

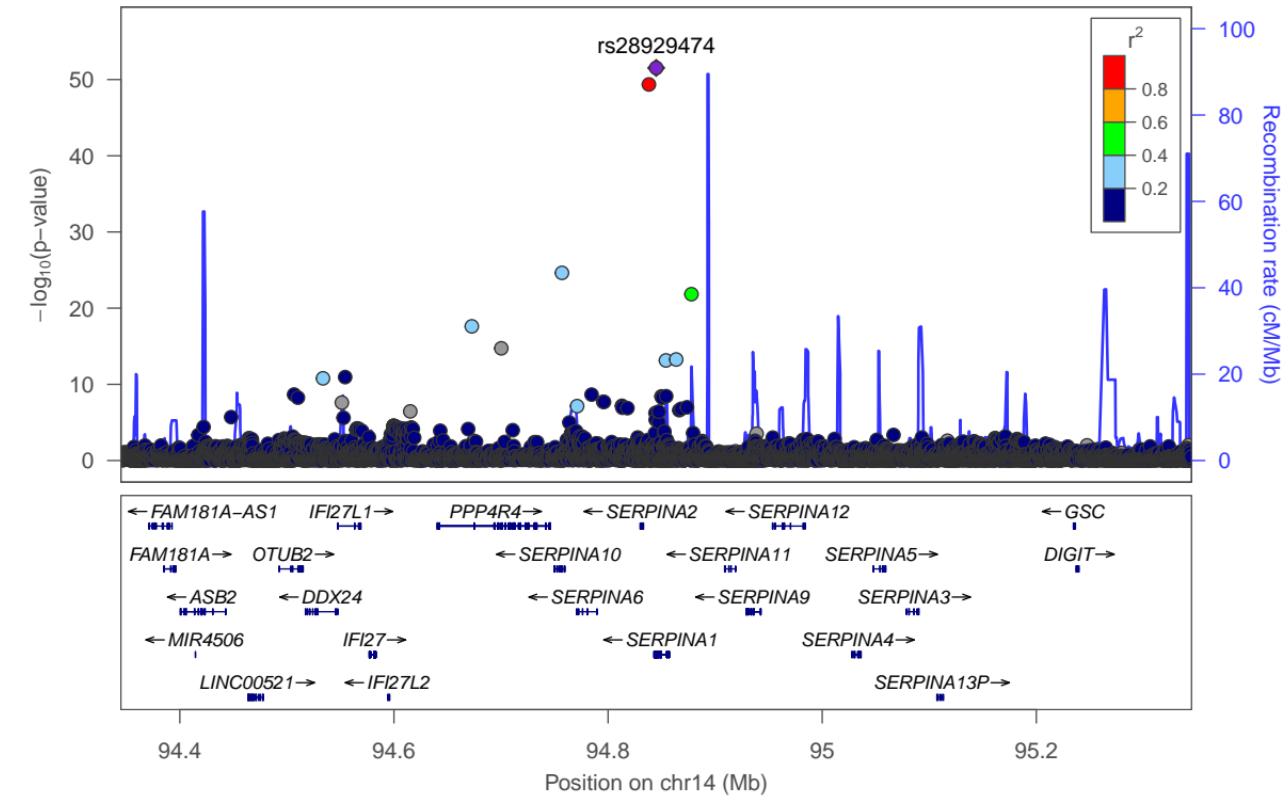
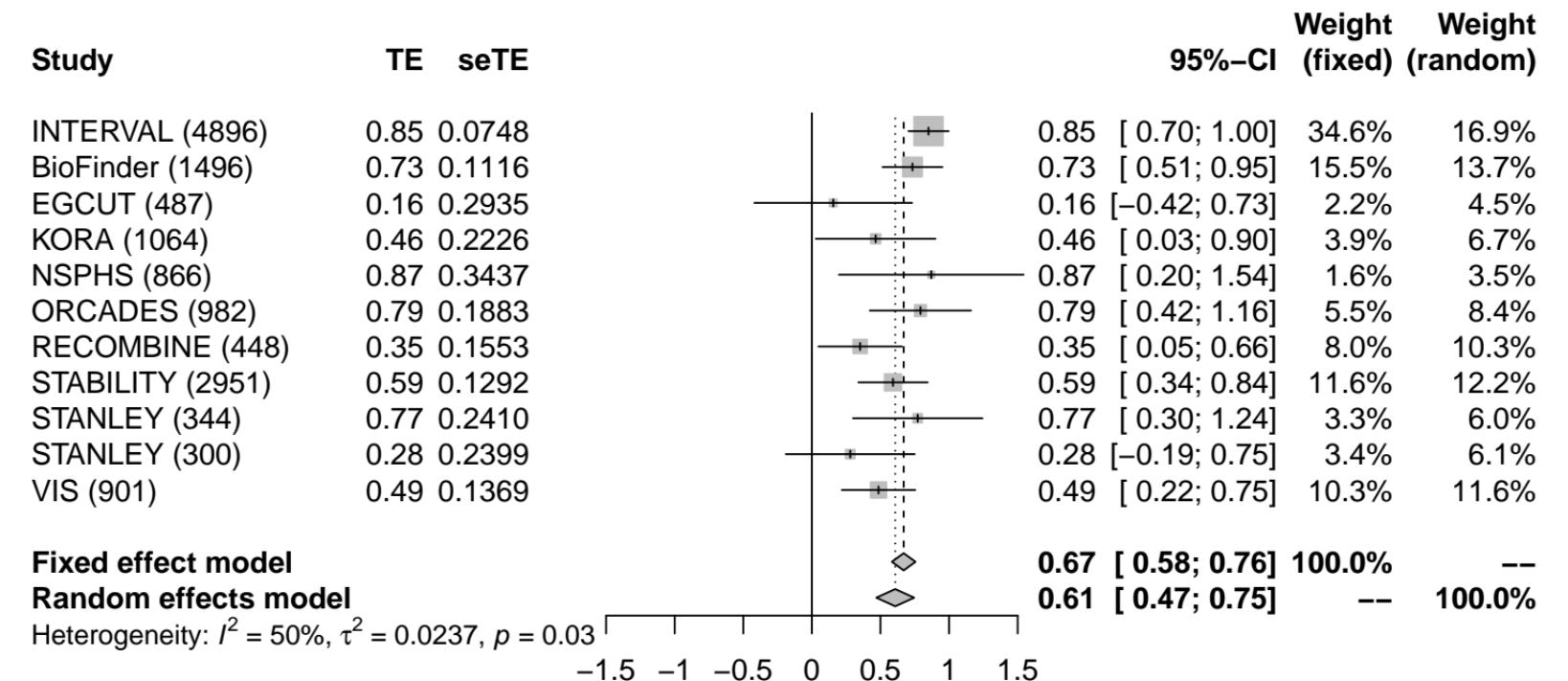
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.99$

TRAIL (TNFSF10)-rs16840522



TRAIL (TNFSF10)-rs28929474

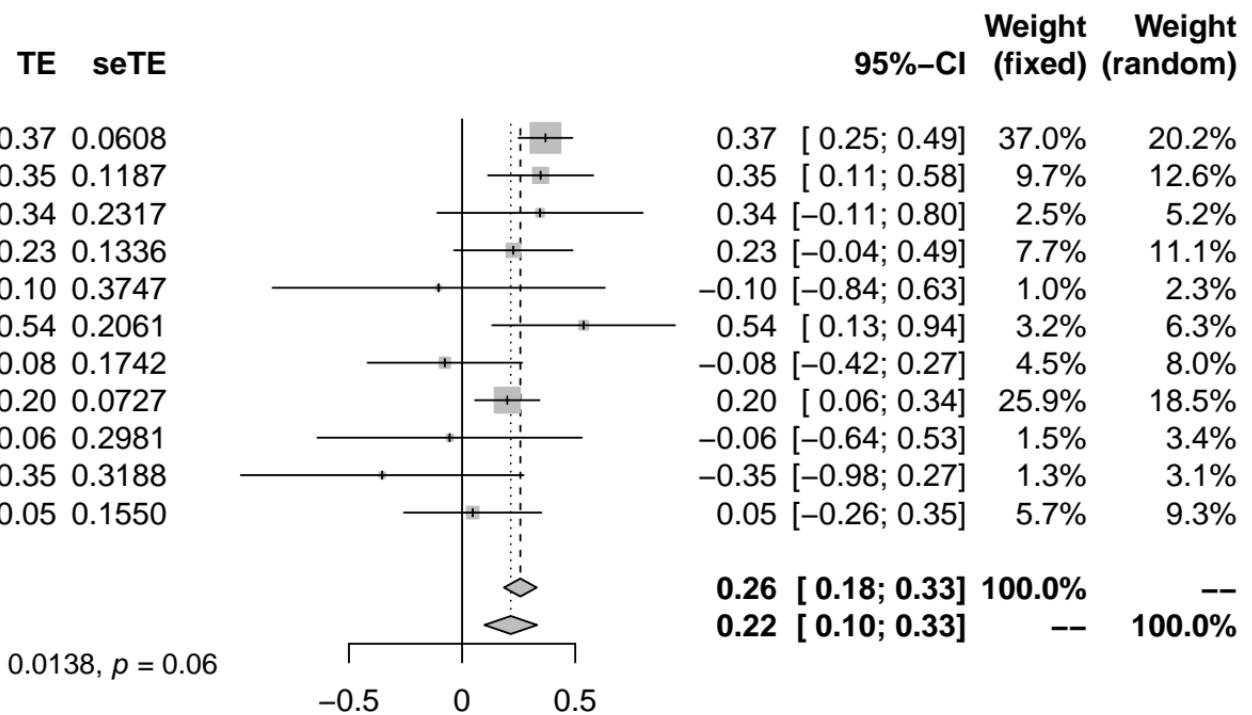
TRAIL [chr14:94844947_C_T (rs28929474) (T/C) N=14735]



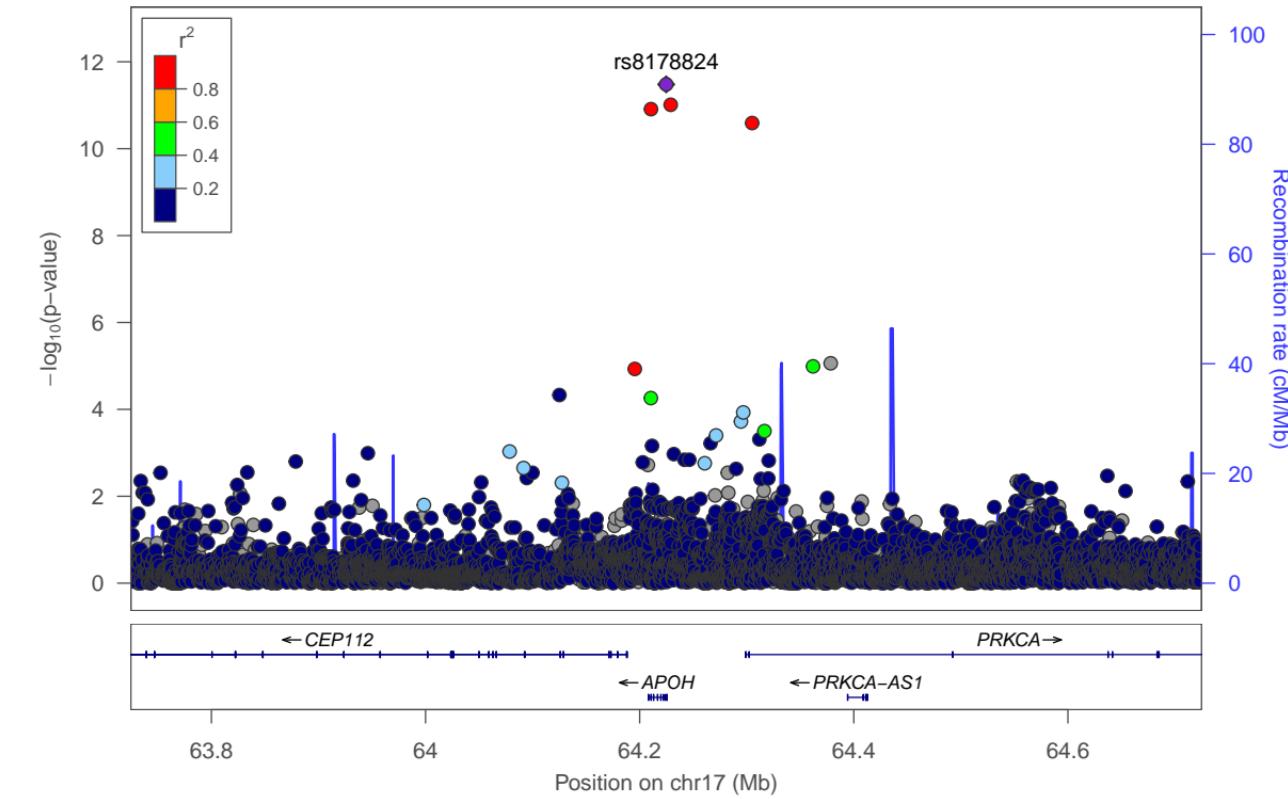
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TRAIL [chr17:64224775_C_T (rs8178824) (T/C) N=14735]



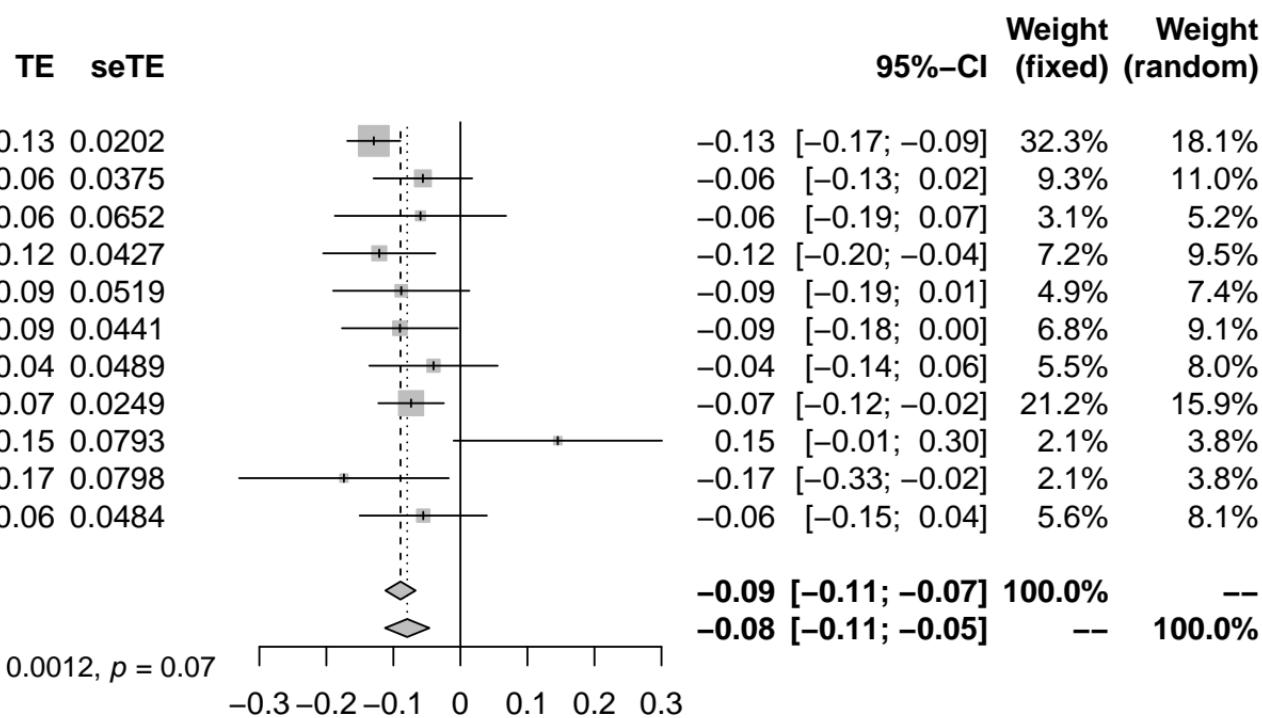
TRAIL (TNFSF10)-rs8178824



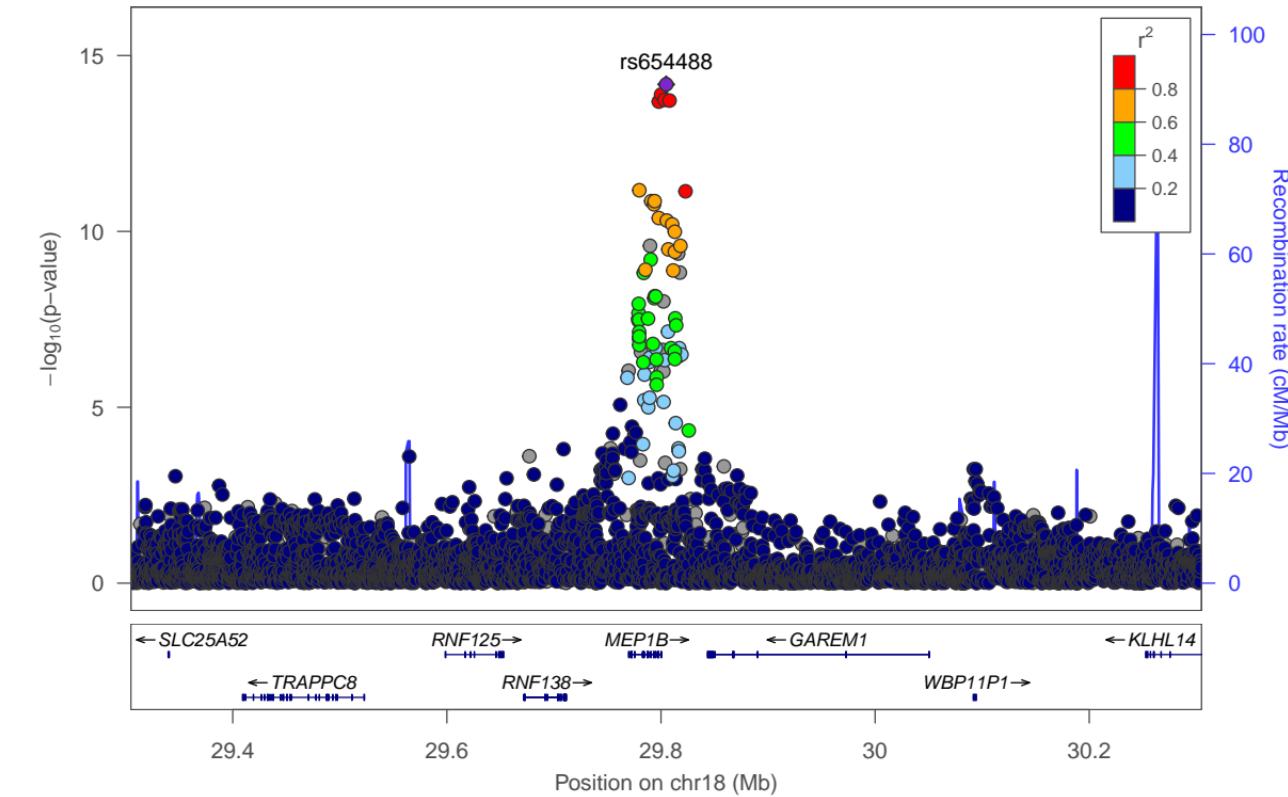
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TRAIL [chr18:29804863_A_T (rs654488) (A/T) N=14735]



TRAIL (TNFSF10)-rs654488



TRAIL [chr19:44153100_A_G (rs4760) (A/G) N=14287]

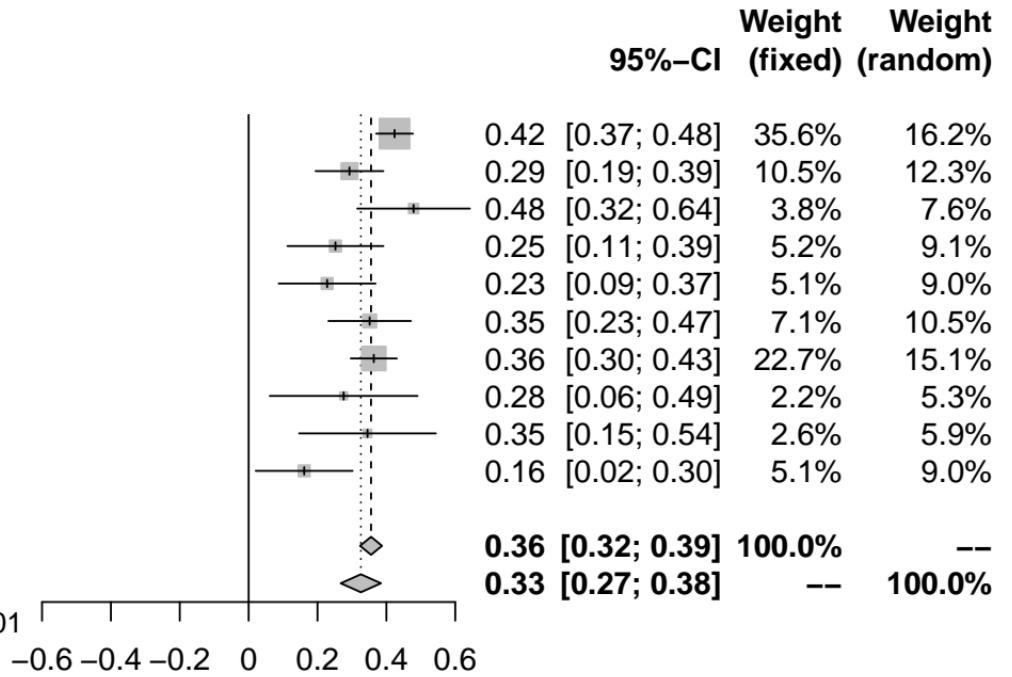
Study

	TE	seTE
INTERVAL (4896)	0.42	0.0273
BioFinder (1496)	0.29	0.0503
EGCUT (487)	0.48	0.0835
KORA (1064)	0.25	0.0711
NSPHS (866)	0.23	0.0718
ORCADES (982)	0.35	0.0612
STABILITY (2951)	0.36	0.0342
STANLEY (344)	0.28	0.1095
STANLEY (300)	0.35	0.1014
VIS (901)	0.16	0.0718

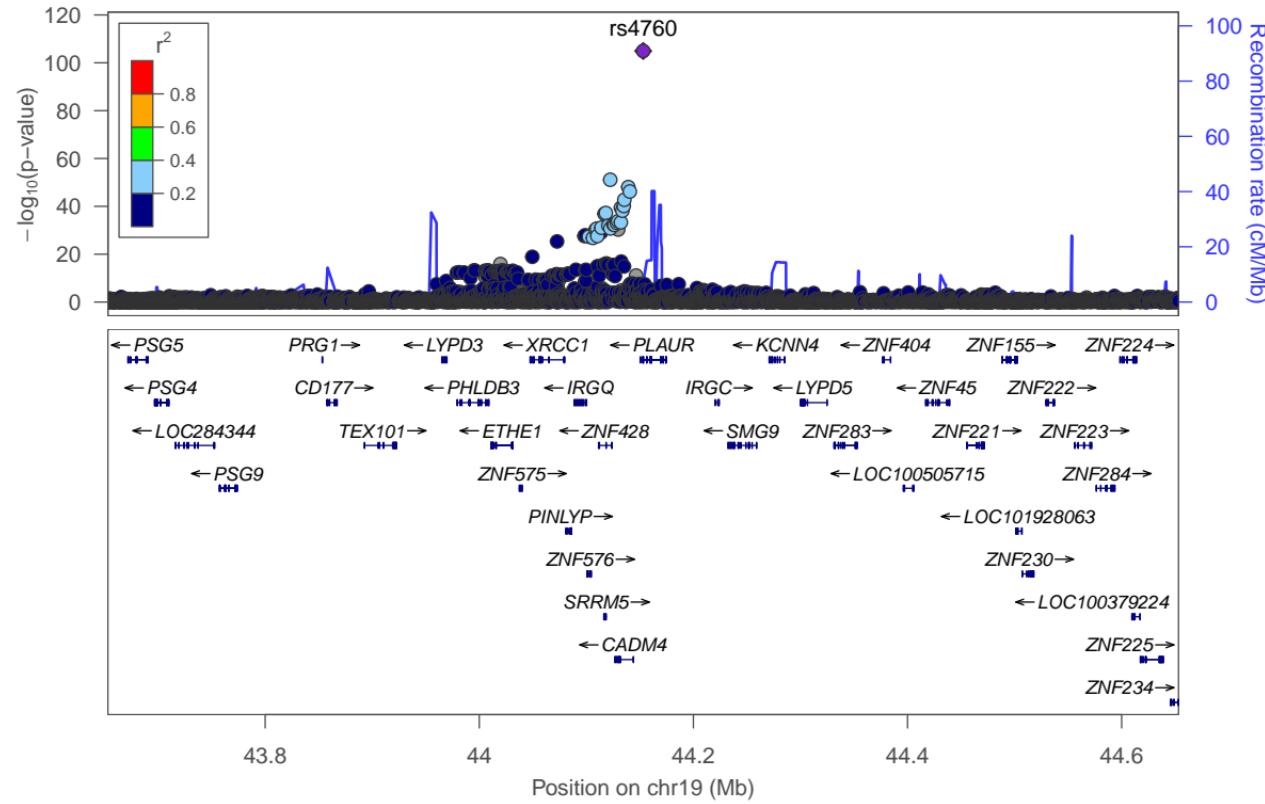
Fixed effect model

Random effects model

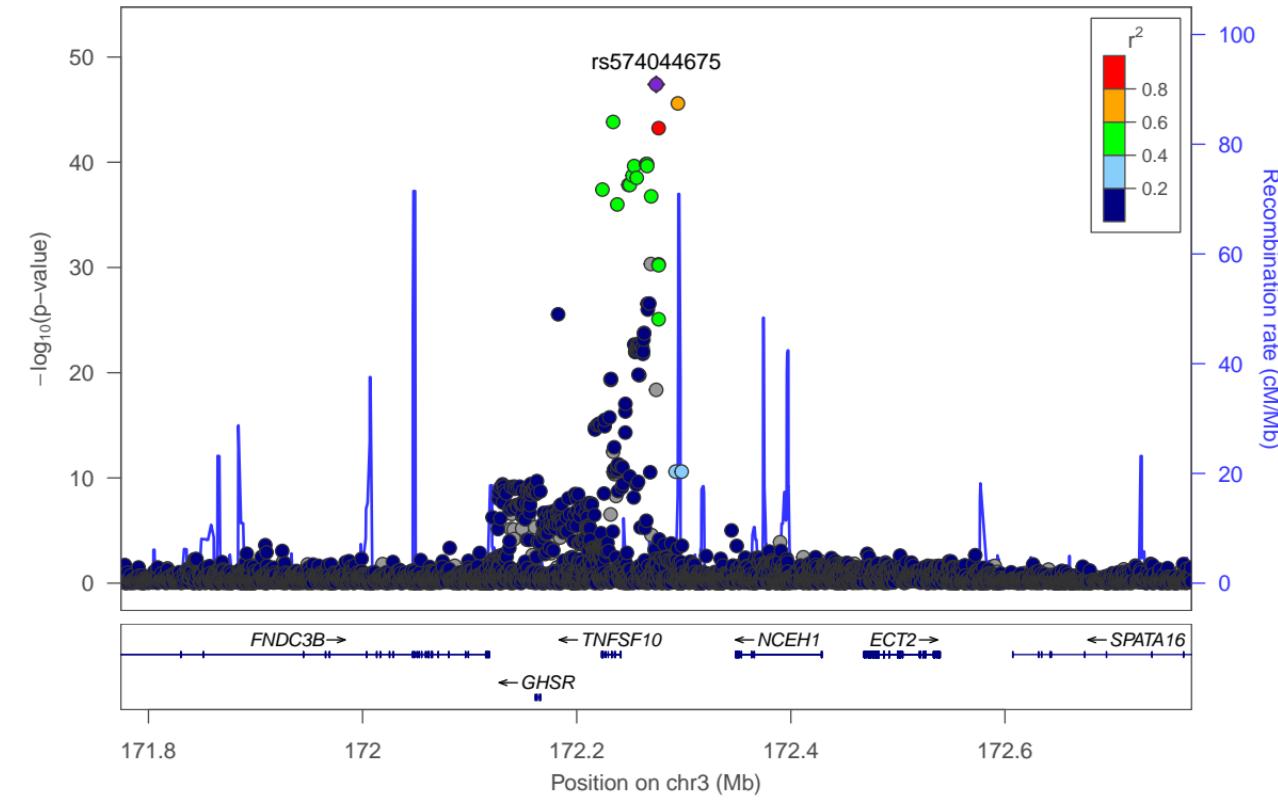
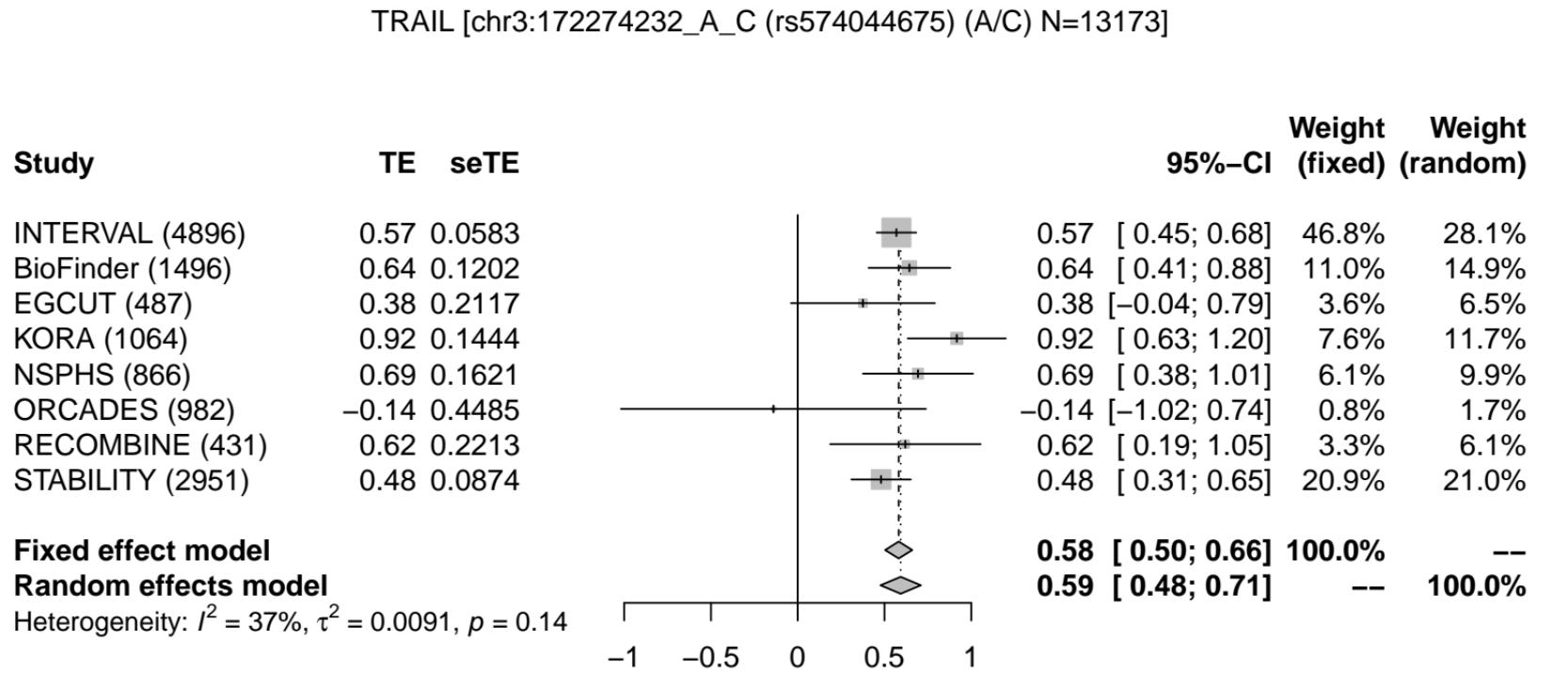
Heterogeneity: $I^2 = 61\%$, $\tau^2 = 0.0047$, $p < 0.01$



TRAIL (TNFSF10)-rs4760



TRAIL (TNFSF10)-rs574044675



TRAIL (TNFSF10)-rs5030044

TRAIL [chr3:186449122_A_G (rs5030044) (A/G) N=14287]

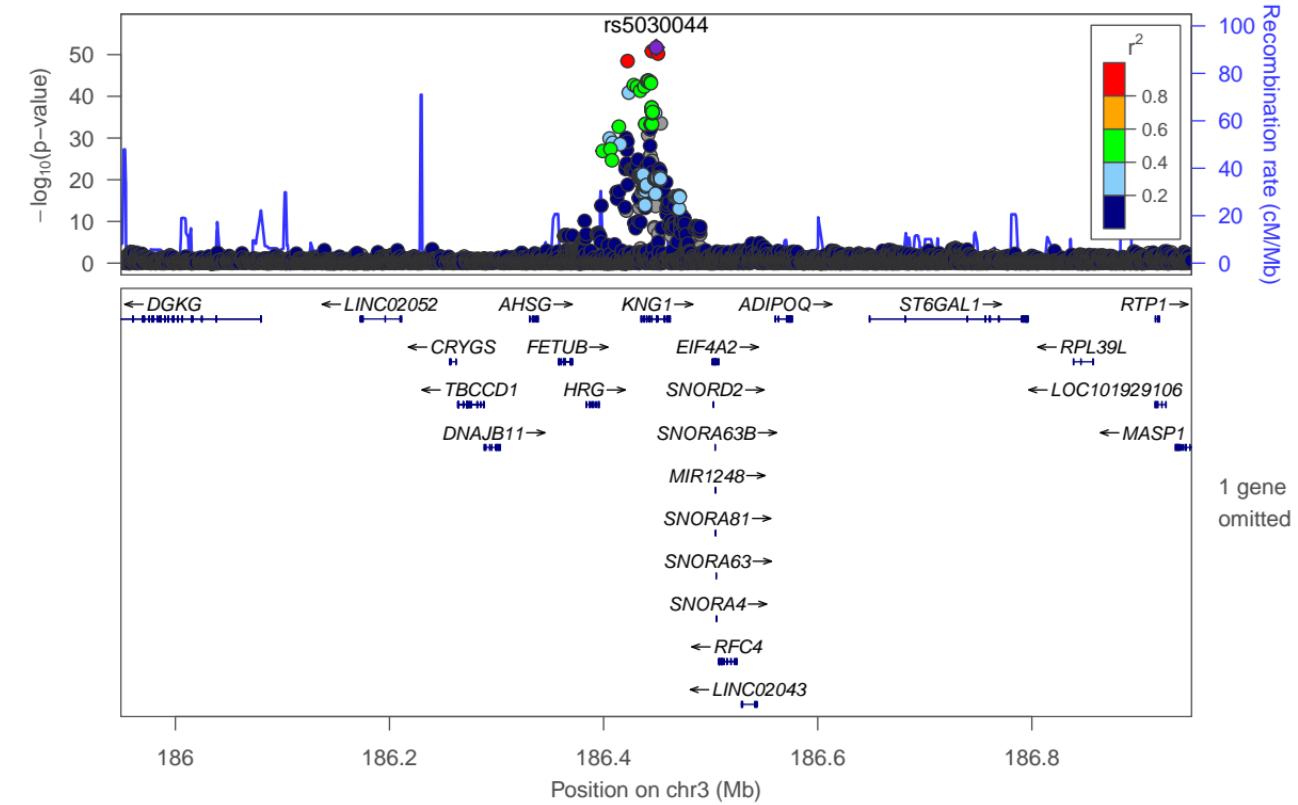
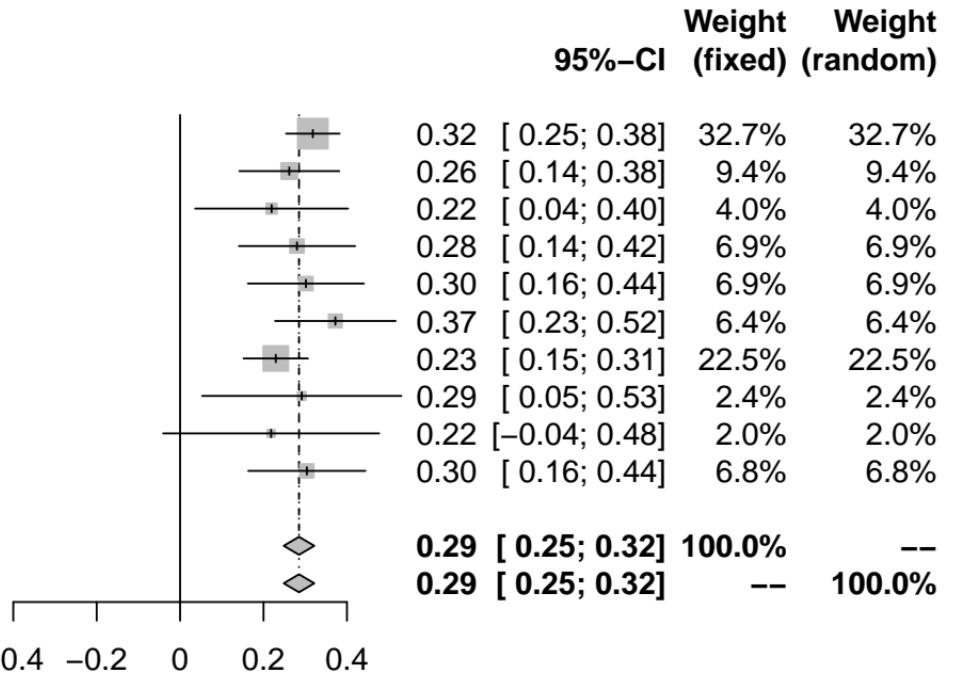
Study

	TE	seTE
INTERVAL (4896)	0.32	0.0327
BioFinder (1496)	0.26	0.0611
EGCUT (487)	0.22	0.0935
KORA (1064)	0.28	0.0711
NSPHS (866)	0.30	0.0710
ORCADES (982)	0.37	0.0738
STABILITY (2951)	0.23	0.0394
STANLEY (344)	0.29	0.1219
STANLEY (300)	0.22	0.1322
VIS (901)	0.30	0.0717

Fixed effect model

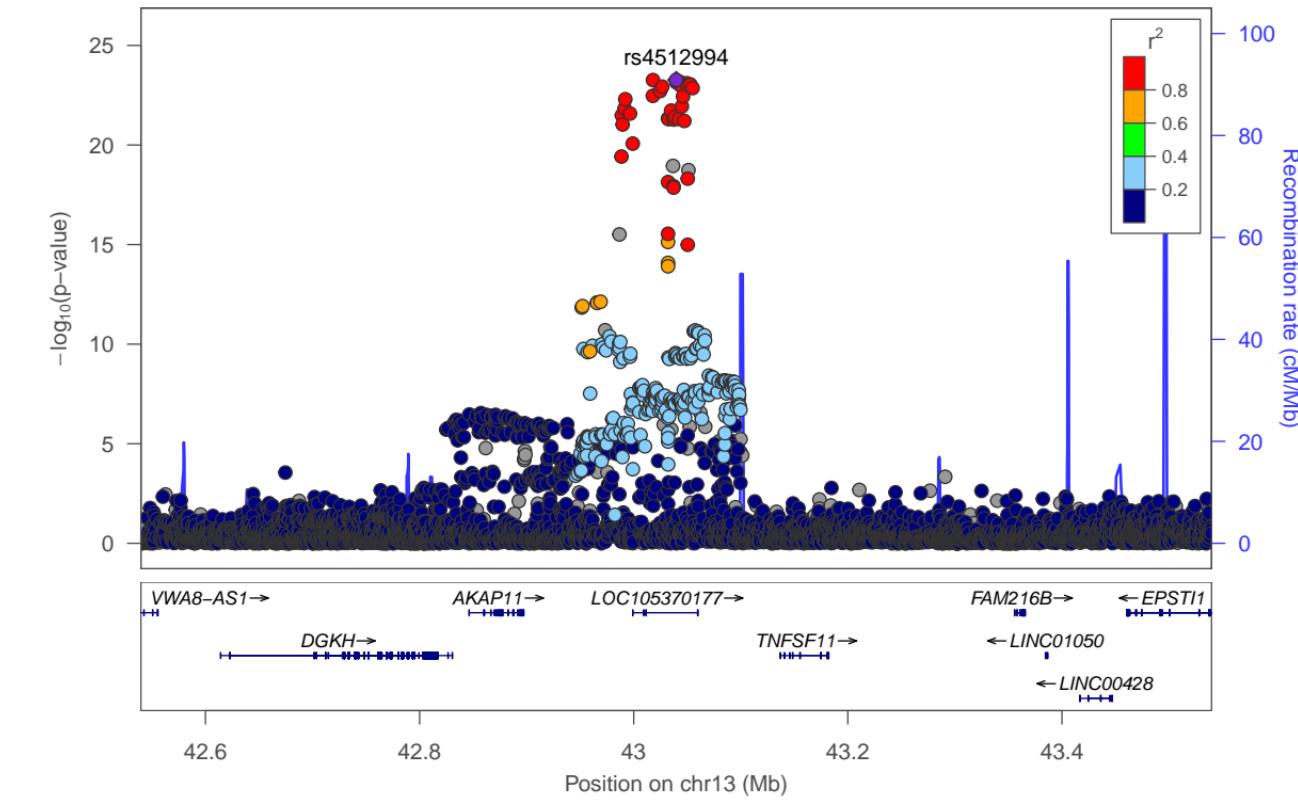
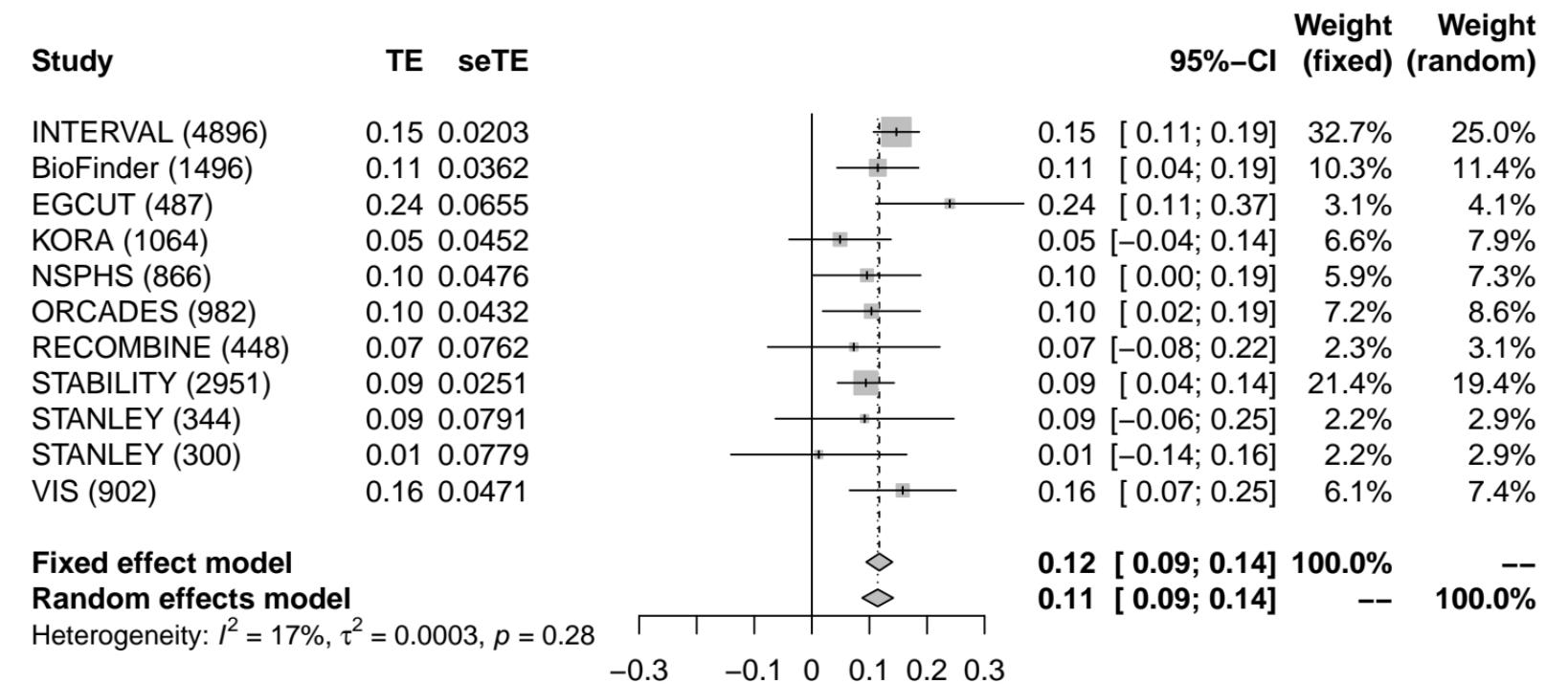
Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.79$



TRANCE (TNFSF11)-rs4512994

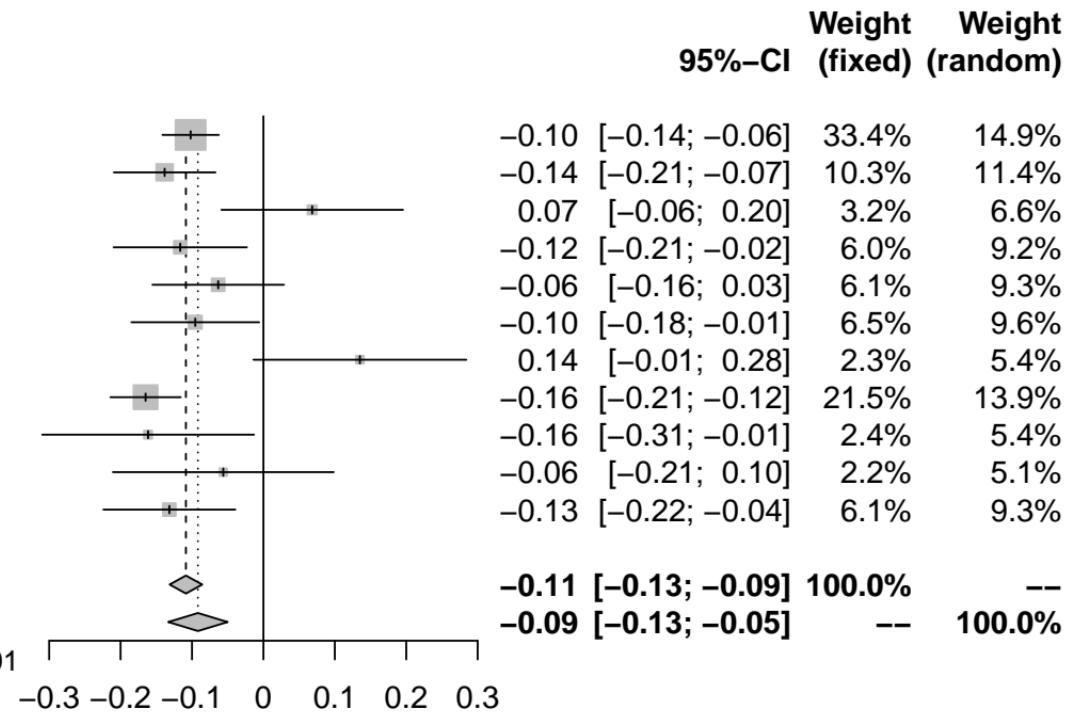
TRANCE [chr13:43039673_A_C (rs4512994) (A/C) N=14736]



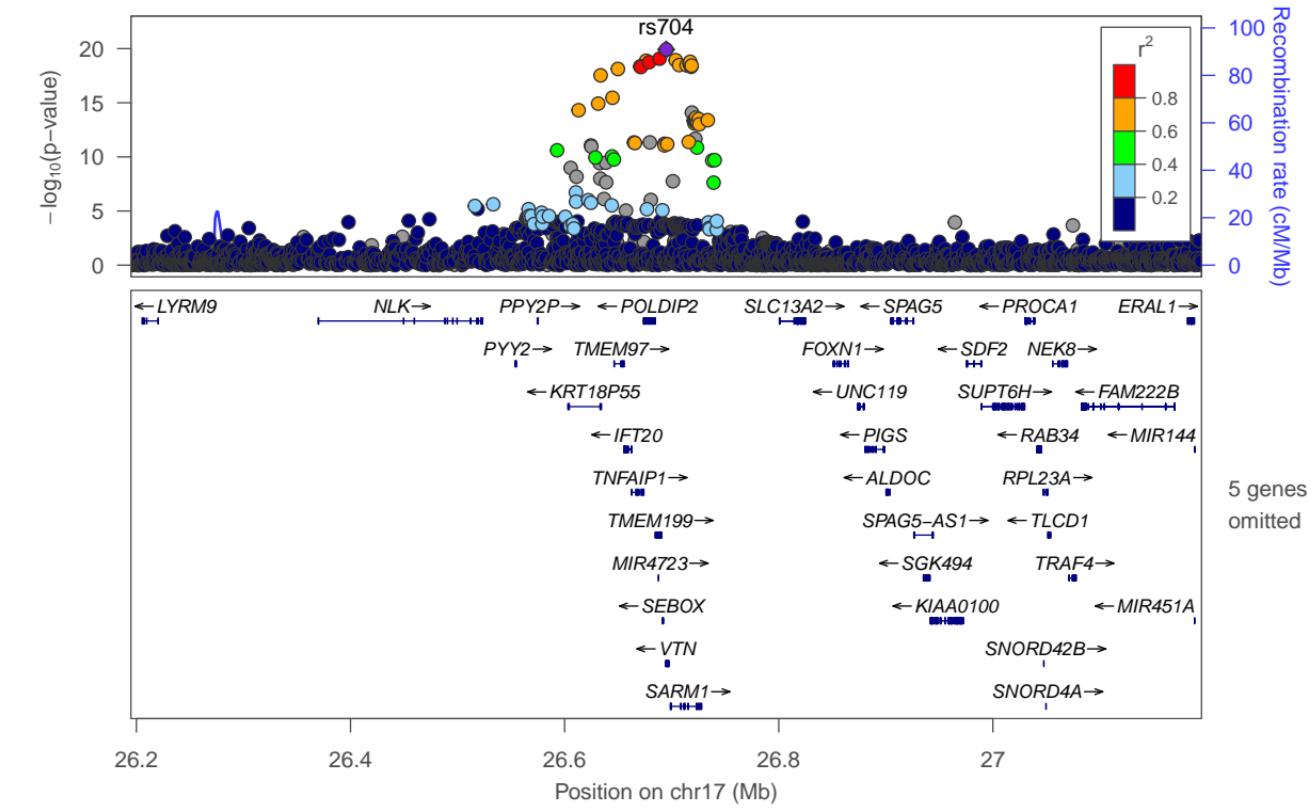
Study

TRANCE [chr17:26694861_A_G (rs704) (A/G) N=14736]

	TE	seTE			95%-CI	Weight (fixed)	Weight (random)
INTERVAL (4896)	-0.10	0.0202			-0.10 [-0.14; -0.06]	33.4%	14.9%
BioFinder (1496)	-0.14	0.0363			-0.14 [-0.21; -0.07]	10.3%	11.4%
EGCUT (487)	0.07	0.0649			0.07 [-0.06; 0.20]	3.2%	6.6%
KORA (1064)	-0.12	0.0476			-0.12 [-0.21; -0.02]	6.0%	9.2%
NSPHS (866)	-0.06	0.0470			-0.06 [-0.16; 0.03]	6.1%	9.3%
ORCADES (982)	-0.10	0.0456			-0.10 [-0.18; -0.01]	6.5%	9.6%
RECOMBINE (448)	0.14	0.0761			0.14 [-0.01; 0.28]	2.3%	5.4%
STABILITY (2951)	-0.16	0.0251			-0.16 [-0.21; -0.12]	21.5%	13.9%
STANLEY (344)	-0.16	0.0757			-0.16 [-0.31; -0.01]	2.4%	5.4%
STANLEY (300)	-0.06	0.0789			-0.06 [-0.21; 0.10]	2.2%	5.1%
VIS (902)	-0.13	0.0471			-0.13 [-0.22; -0.04]	6.1%	9.3%
Fixed effect model					-0.11 [-0.13; -0.09]	100.0%	--
Random effects model					-0.09 [-0.13; -0.05]	--	100.0%

Heterogeneity: $I^2 = 61\%$, $\tau^2 = 0.0026$, $p < 0.01$ 

TRANCE (TNFSF11)-rs704



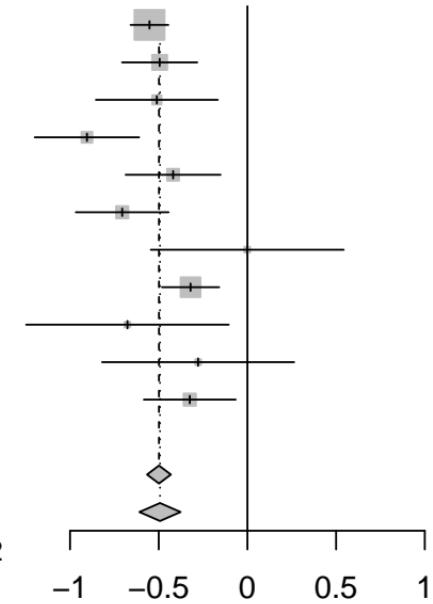
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (431)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

TRANCE [chr3:172294500_A_G (rs79287178) (A/G) N=14719]

TE seTE

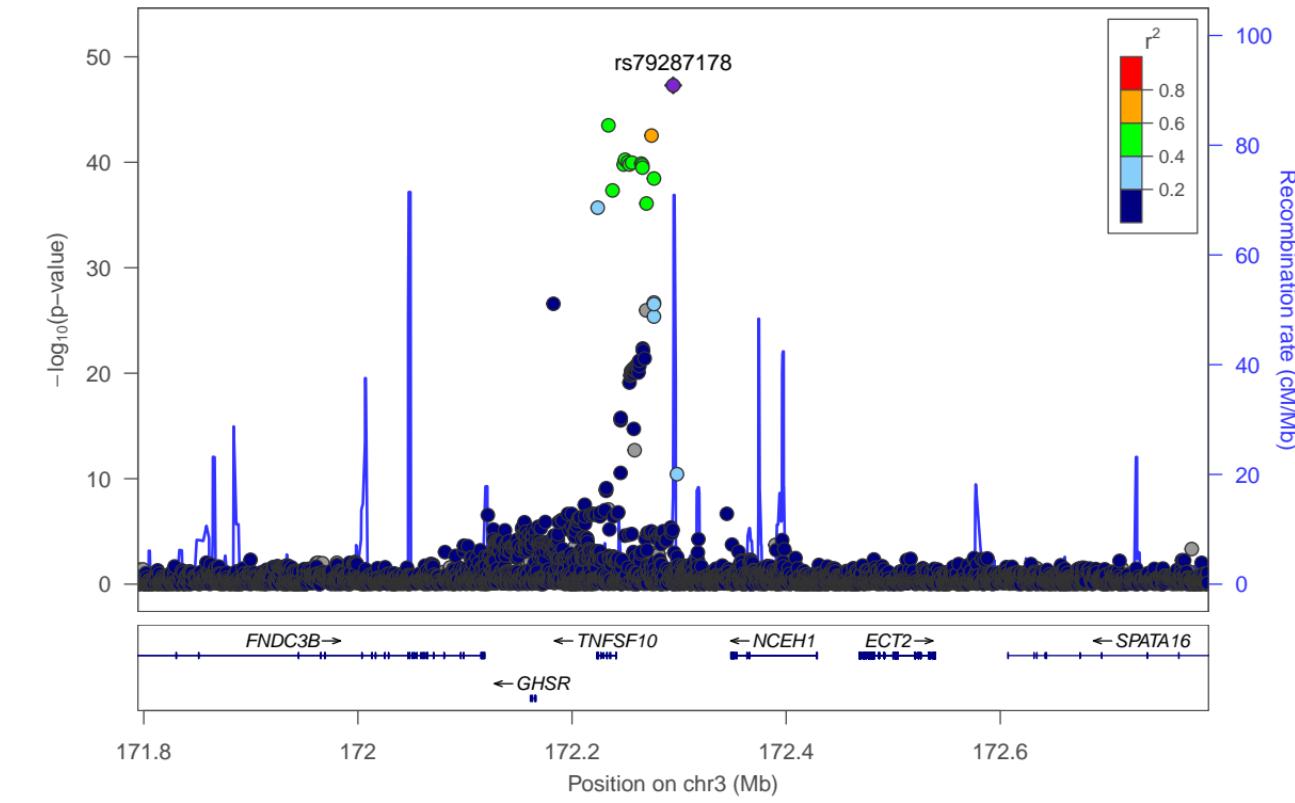
-0.55 0.0544
-0.49 0.1082
-0.51 0.1755
-0.90 0.1502
-0.42 0.1366
-0.71 0.1335
-0.00 0.2775
-0.32 0.0824
-0.68 0.2915
-0.28 0.2764
-0.32 0.1322



		95%-CI	Weight (fixed)	Weight (random)
		-0.55 [-0.66; -0.45]	39.7%	17.1%
		-0.49 [-0.71; -0.28]	10.0%	12.0%
		-0.51 [-0.85; -0.17]	3.8%	7.2%
		-0.90 [-1.20; -0.61]	5.2%	8.7%
		-0.42 [-0.69; -0.15]	6.3%	9.7%
		-0.71 [-0.97; -0.44]	6.6%	9.9%
		-0.00 [-0.54; 0.54]	1.5%	3.7%
		-0.32 [-0.48; -0.16]	17.3%	14.4%
		-0.68 [-1.25; -0.11]	1.4%	3.4%
		-0.28 [-0.82; 0.26]	1.5%	3.7%
		-0.32 [-0.58; -0.07]	6.7%	10.0%
	Fixed effect model	-0.50 [-0.57; -0.43]	100.0%	--
	Random effects model	-0.49 [-0.61; -0.38]	--	100.0%

Heterogeneity: $I^2 = 54\%$, $\tau^2 = 0.0174$, $p = 0.02$

TRANCE (TNFSF11)-rs79287178



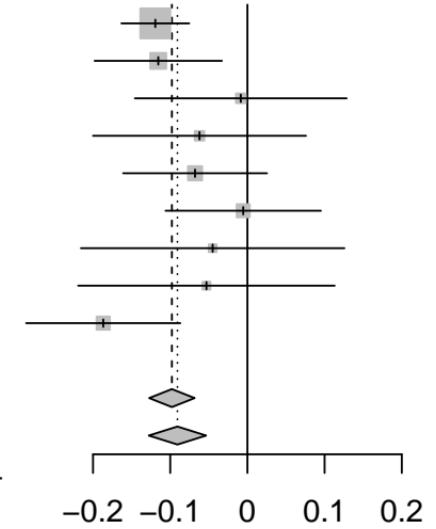
TRANCE (TNFSF11)-rs11713634

TRANCE [chr3:194061578_A_G (rs11713634) (A/G) N=11337]

Study

Study	TE	seTE
INTERVAL (4896)	-0.12	0.0224
BioFinder (1496)	-0.12	0.0421
EGCUT (487)	-0.01	0.0700
KORA (1064)	-0.06	0.0704
NSPHS (866)	-0.07	0.0476
ORCADES (982)	-0.01	0.0514
STANLEY (344)	-0.04	0.0871
STANLEY (300)	-0.05	0.0848
VIS (902)	-0.19	0.0510

TE seTE

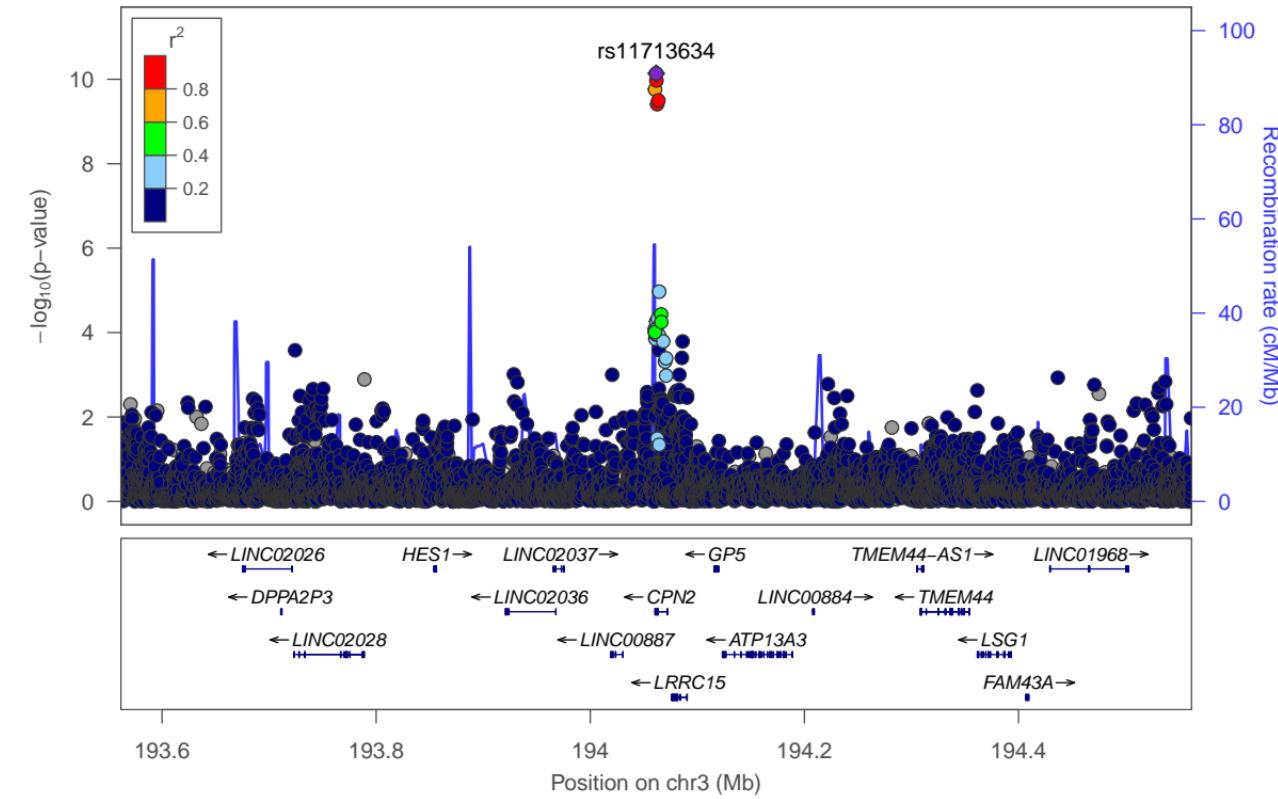


Fixed effect model

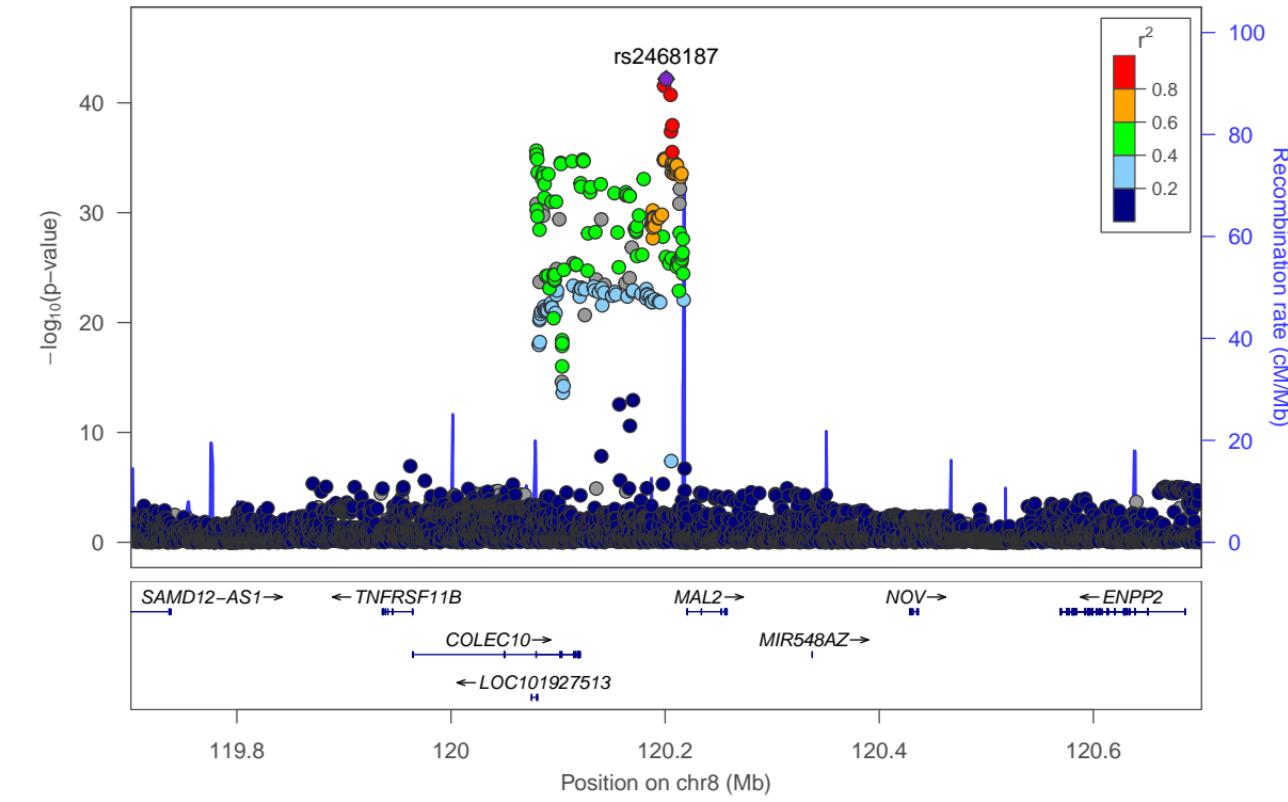
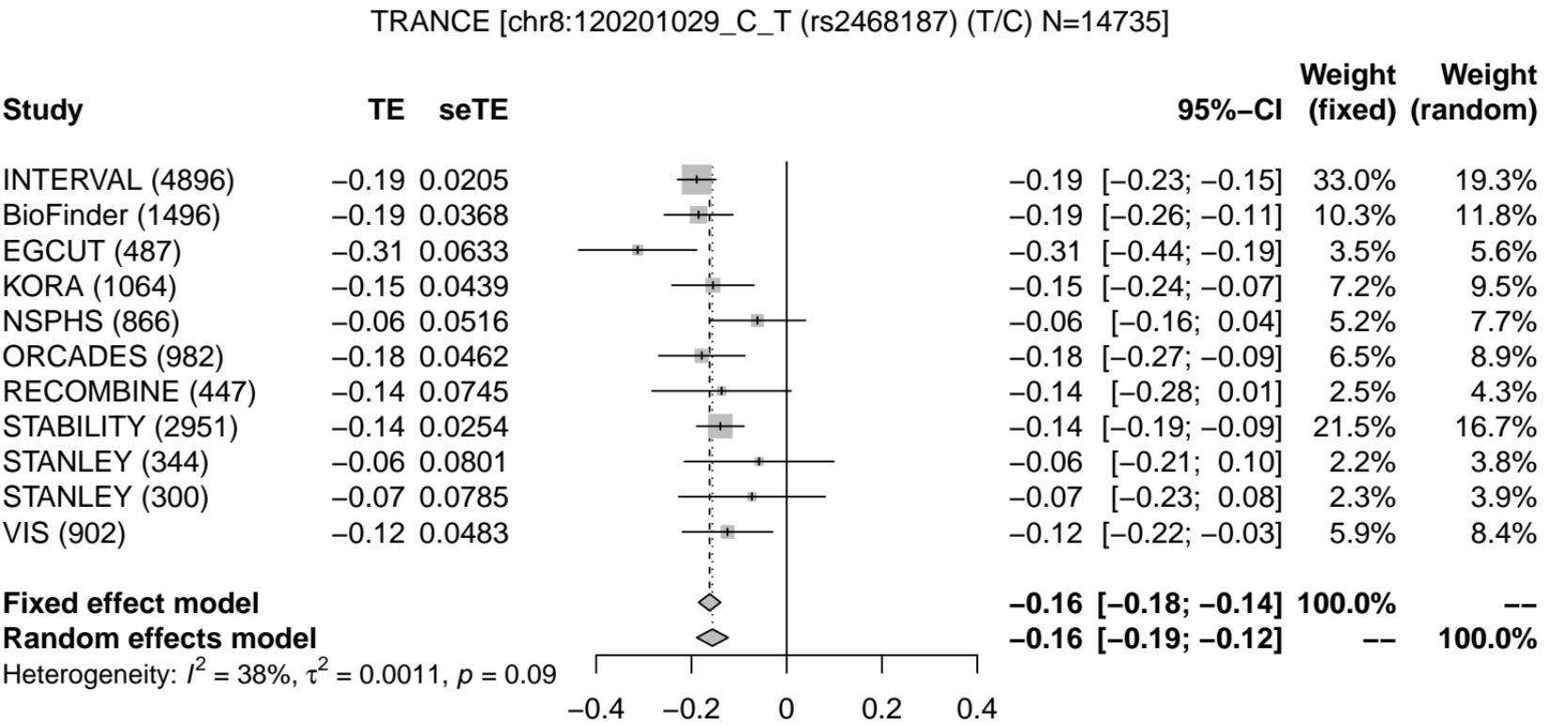
Random effects model

Heterogeneity: $I^2 = 22\%$, $\tau^2 = 0.0007$, $p = 0.24$

	95%-CI	Weight (fixed)	Weight (random)
	-0.12 [-0.16; -0.08]	44.8%	30.0%
	-0.12 [-0.20; -0.03]	12.7%	14.6%
	-0.01 [-0.15; 0.13]	4.6%	6.4%
	-0.06 [-0.20; 0.08]	4.5%	6.3%
	-0.07 [-0.16; 0.03]	10.0%	12.1%
	-0.01 [-0.11; 0.10]	8.5%	10.8%
	-0.04 [-0.22; 0.13]	3.0%	4.3%
	-0.05 [-0.22; 0.11]	3.1%	4.5%
	-0.19 [-0.29; -0.09]	8.7%	10.9%
	-0.10 [-0.13; -0.07]	100.0%	--
	-0.09 [-0.13; -0.05]	--	100.0%



TRANCE (TNFSF11)-rs2468187



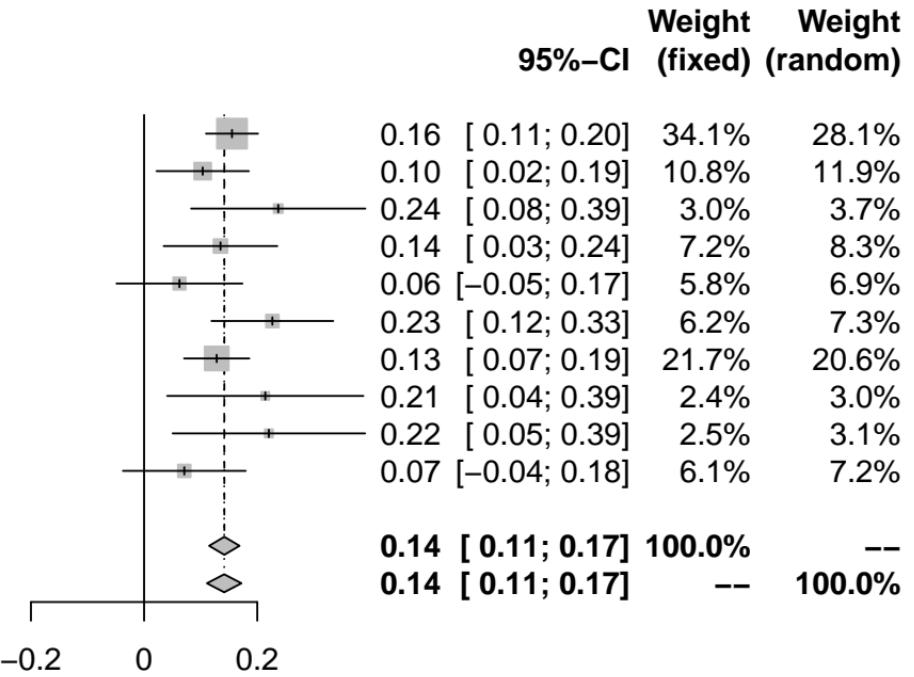
TRANCE [chr8:23085868_A_G (rs4872091) (A/G) N=14288]

Study	TE	seTE
INTERVAL (4896)	0.16	0.0235
BioFinder (1496)	0.10	0.0417
EGCUT (487)	0.24	0.0786
KORA (1064)	0.14	0.0513
NSPHS (866)	0.06	0.0568
ORCADES (982)	0.23	0.0550
STABILITY (2951)	0.13	0.0294
STANLEY (344)	0.21	0.0885
STANLEY (300)	0.22	0.0868
VIS (902)	0.07	0.0554

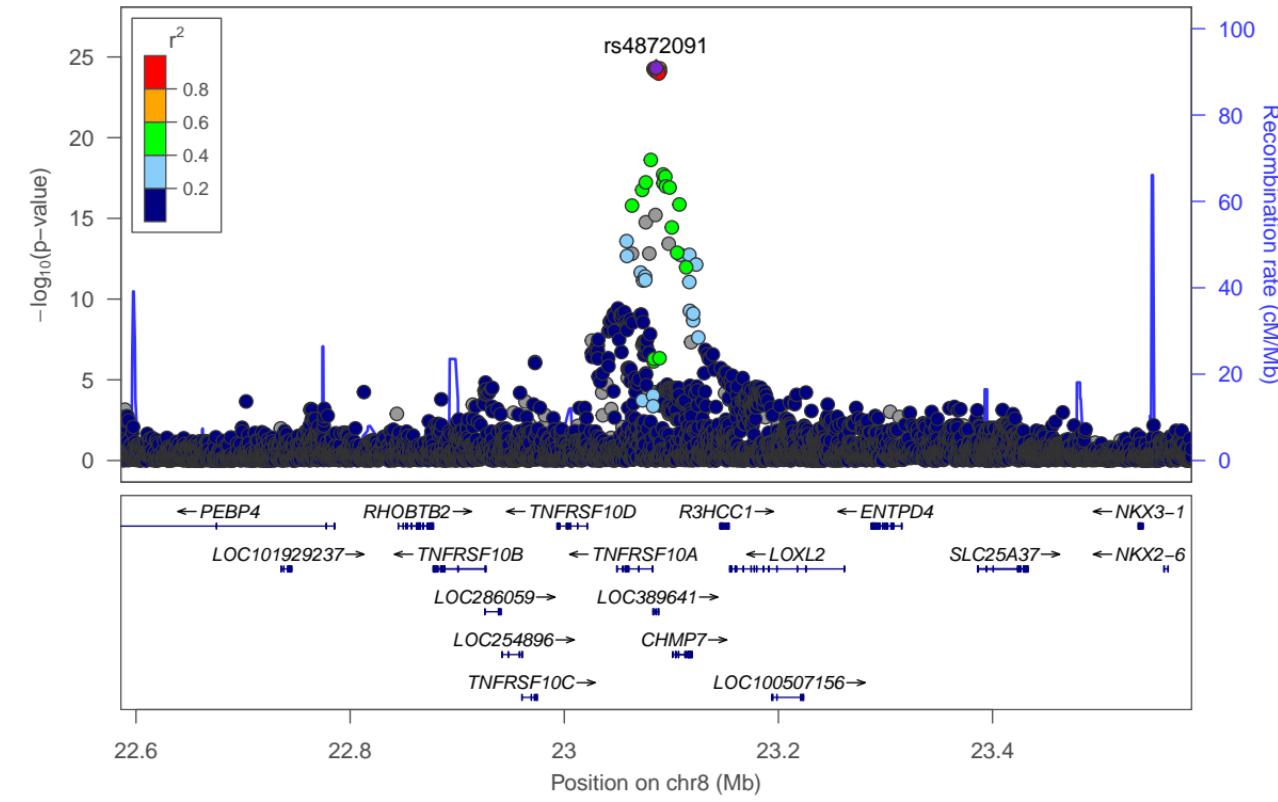
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 13\%$, $\tau^2 = 0.0003$, $p = 0.32$



TRANCE (TNFSF11)-rs4872091



TWEAK [chr17:7451110_C_T (rs34790908) (T/C) N=14732]

Study

	TE	seTE
INTERVAL (4896)	0.23	0.0227
BioFinder (1496)	0.32	0.0410
EGCUT (487)	0.16	0.0722
KORA (1064)	0.43	0.0475
NSPHS (866)	0.20	0.0615
ORCADES (982)	0.05	0.0524
RECOMBINE (444)	0.23	0.0478
STABILITY (2951)	0.13	0.0296
STANLEY (344)	0.21	0.0868
STANLEY (300)	0.20	0.0844
VIS (902)	0.09	0.0530

Fixed effect model

0.21 [0.19; 0.24]

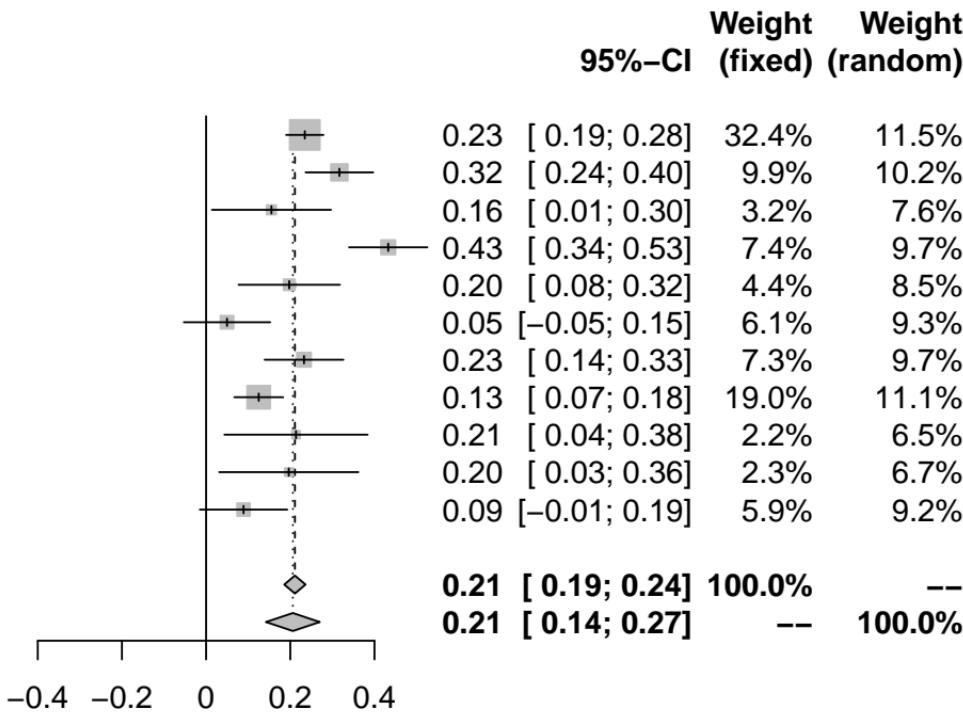
100.0%

Random effects model

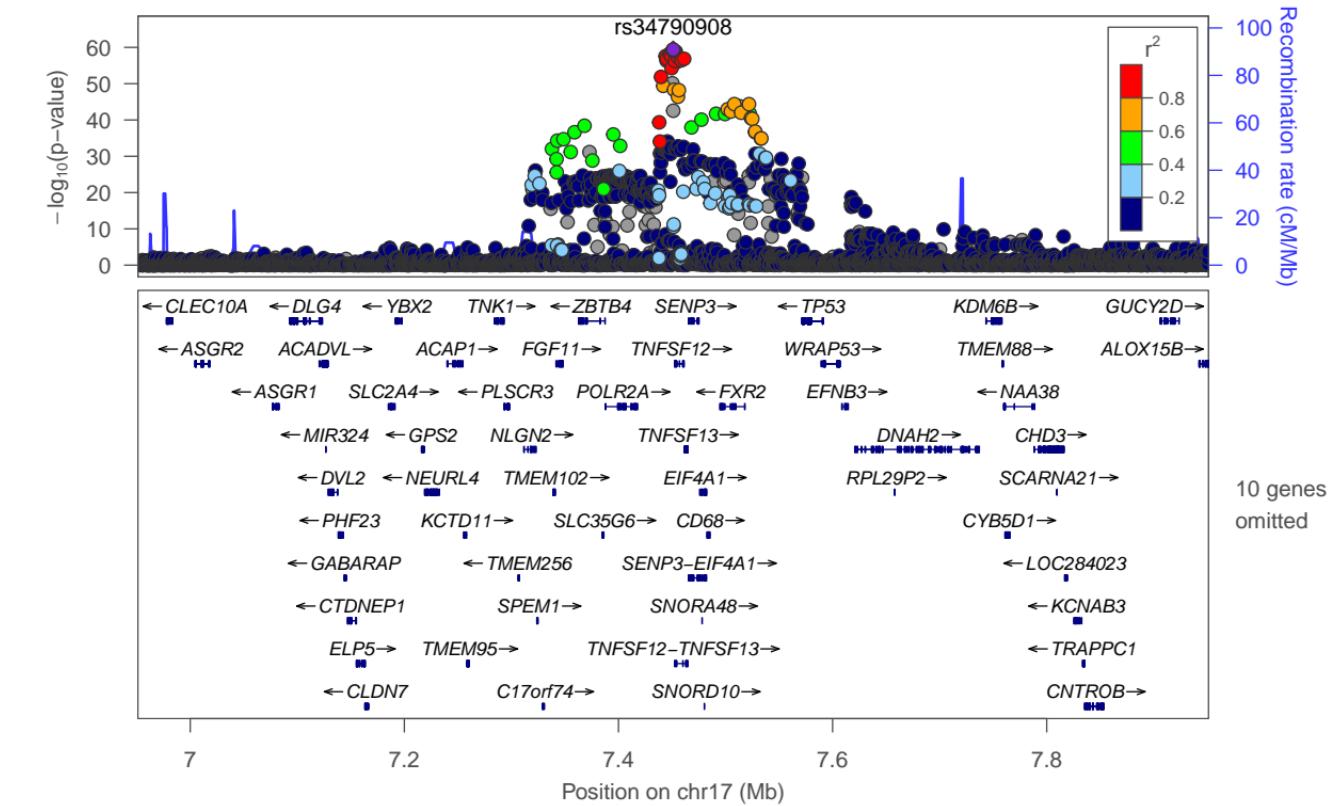
0.21 [0.14; 0.27]

--

Heterogeneity: $I^2 = 81\%$, $\tau^2 = 0.0088$, $p < 0.01$



TWEAK (TNFSF12)-rs34790908



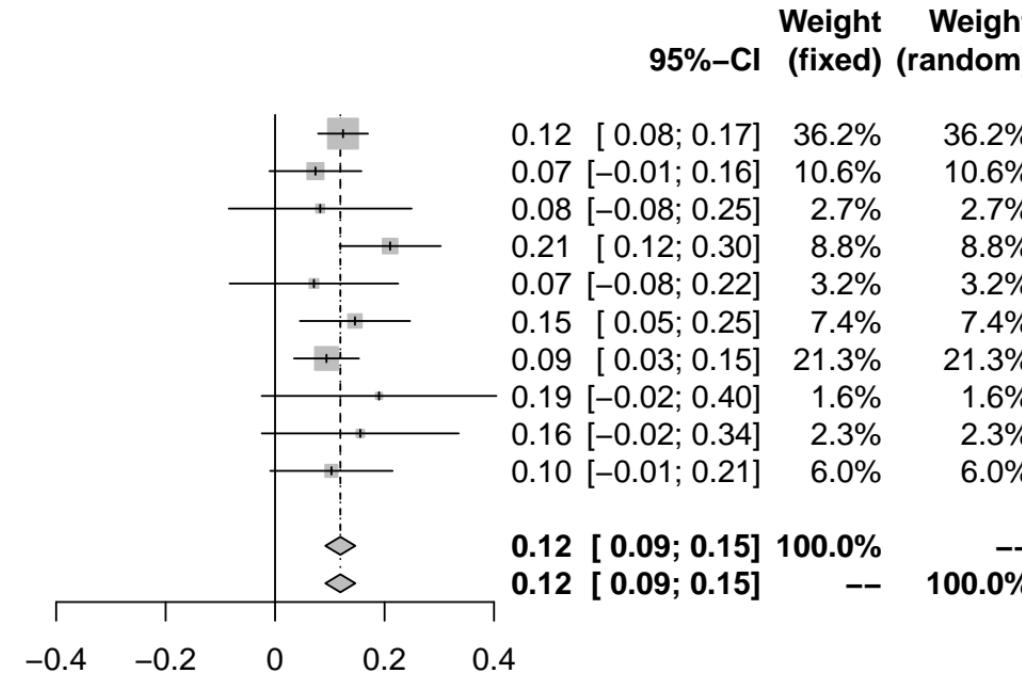
TWEAK [chr3:143021856_C_G (rs9842051) (C/G) N=14288]

Study	TE	seTE
INTERVAL (4896)	0.12	0.0232
BioFinder (1496)	0.07	0.0429
EGCUT (487)	0.08	0.0852
KORA (1064)	0.21	0.0472
NSPHS (866)	0.07	0.0786
ORCADES (982)	0.15	0.0513
STABILITY (2951)	0.09	0.0302
STANLEY (344)	0.19	0.1094
STANLEY (300)	0.16	0.0918
VIS (902)	0.10	0.0570

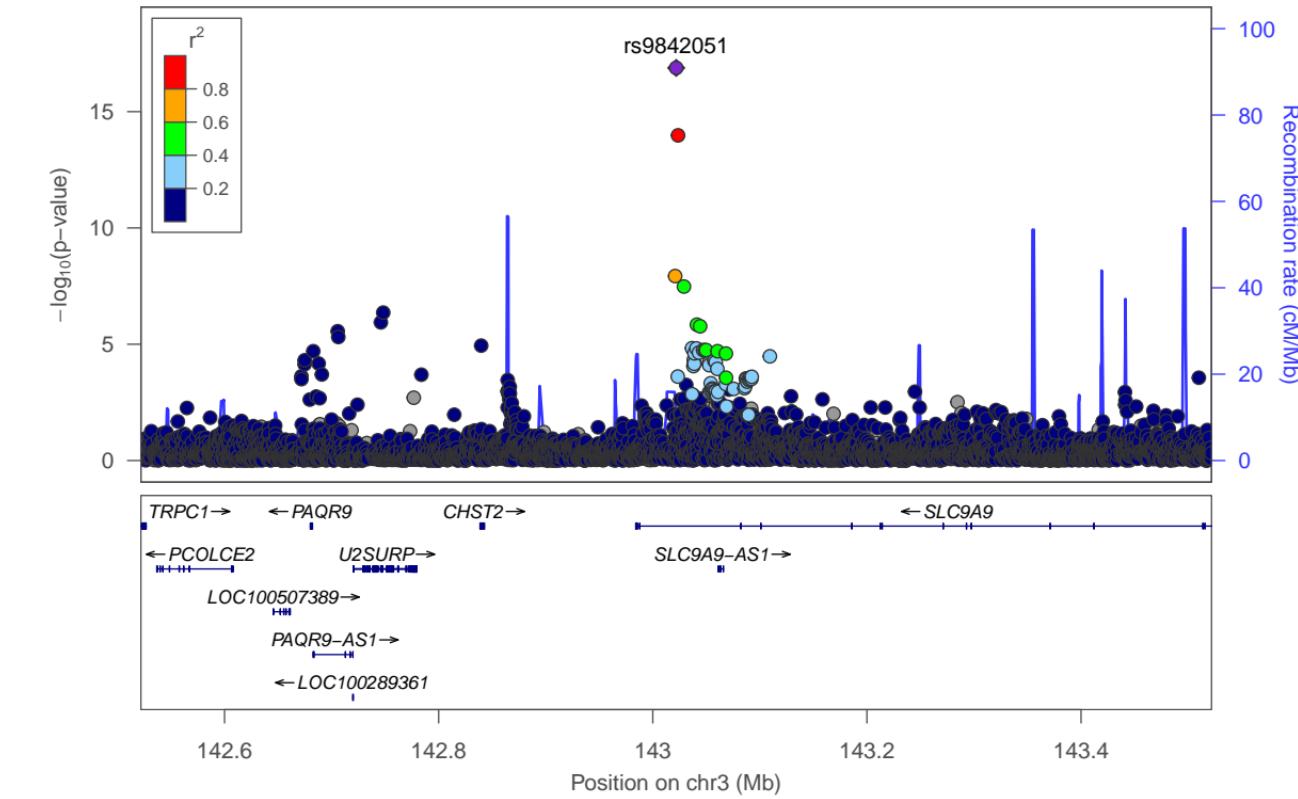
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.63$



TWEAK (TNFSF12)-rs9842051



TWEAK [chr3:98429219_C_G (rs73133996) (C/G) N=14288]

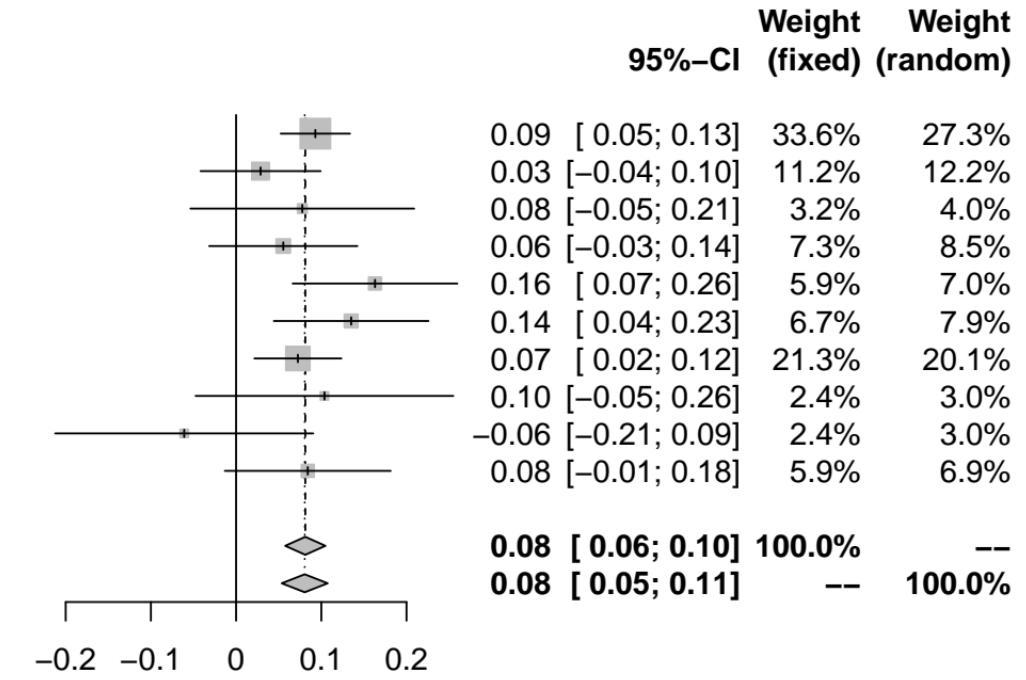
Study

Study	TE	seTE
INTERVAL (4896)	0.09	0.0208
BioFinder (1496)	0.03	0.0360
EGCUT (487)	0.08	0.0670
KORA (1064)	0.06	0.0444
NSPHS (866)	0.16	0.0493
ORCADES (982)	0.14	0.0463
STABILITY (2951)	0.07	0.0261
STANLEY (344)	0.10	0.0772
STANLEY (300)	-0.06	0.0773
VIS (902)	0.08	0.0497

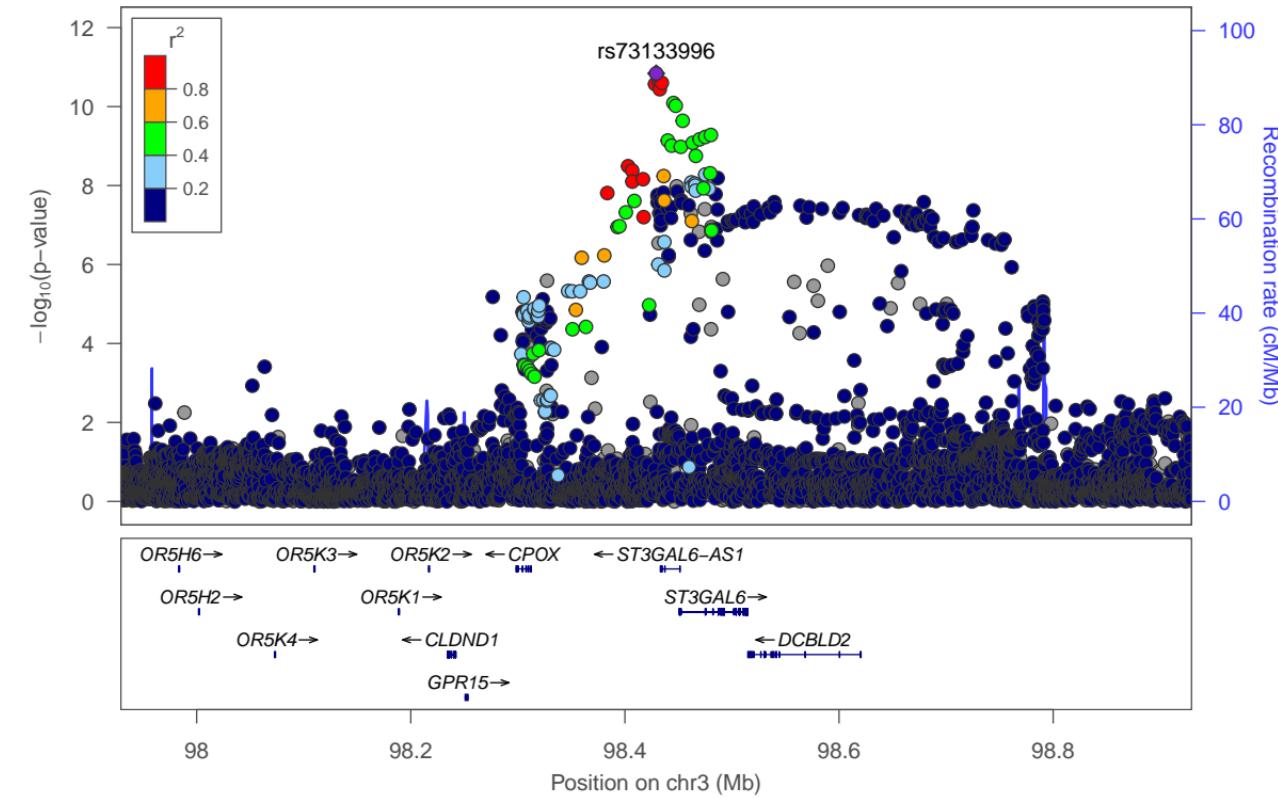
Fixed effect model

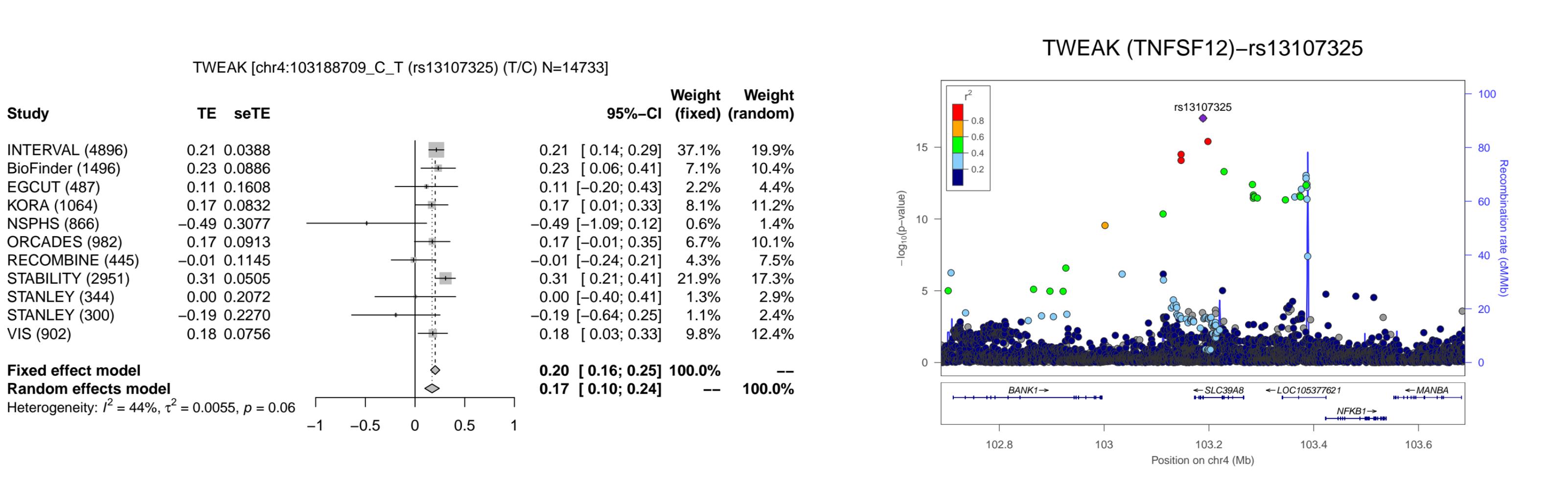
Random effects model

Heterogeneity: $I^2 = 14\%$, $\tau^2 = 0.0003$, $p = 0.31$



TWEAK (TNFSF12)-rs73133996





TWEAK [chr9:136154168_C_T (rs579459) (T/C) N=11785]

Study

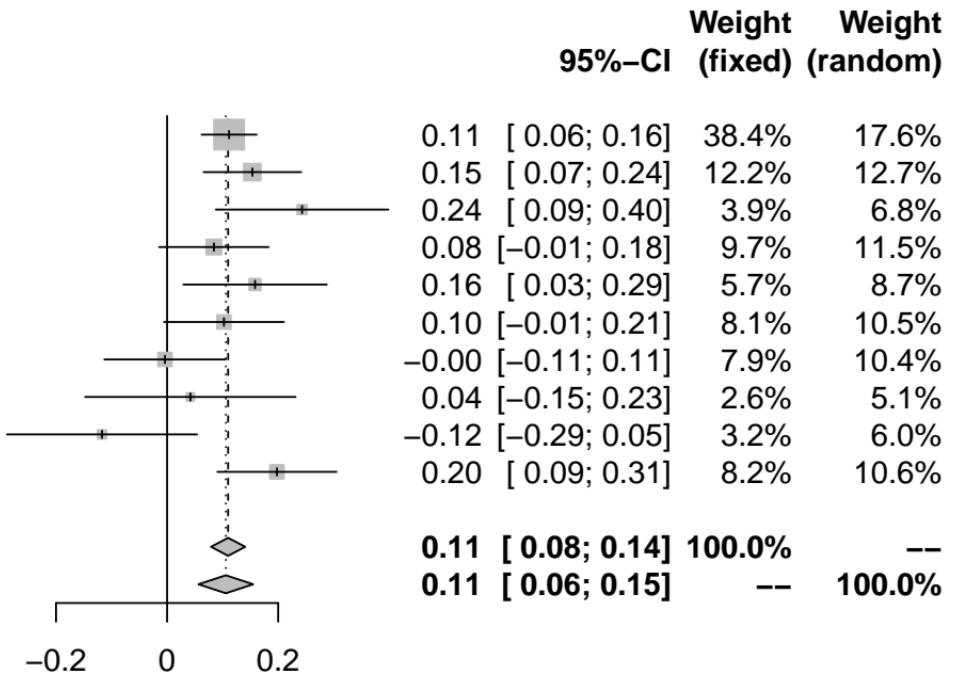
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STANLEY (344)
STANLEY (300)
VIS (902)

TE seTE

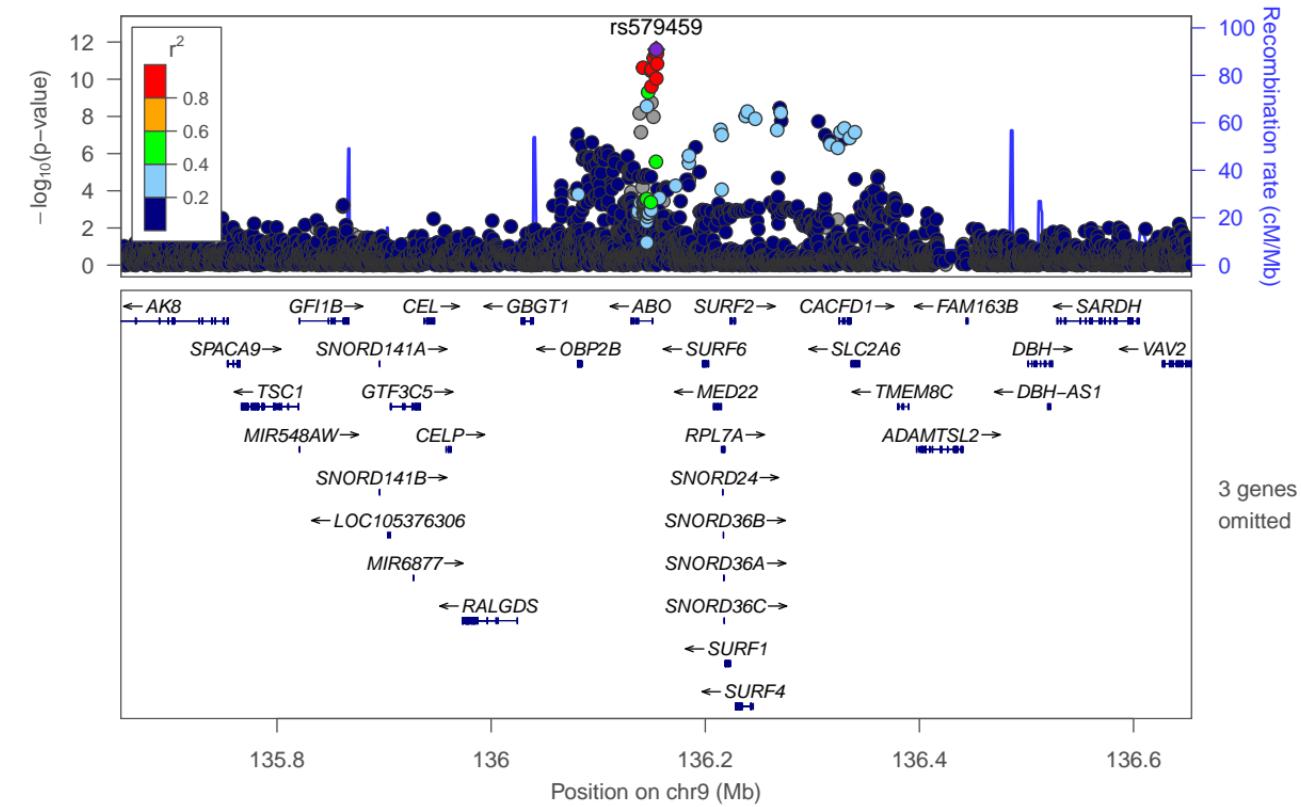
	TE	seTE
INTERVAL (4896)	0.11	0.0253
BioFinder (1496)	0.15	0.0448
EGCUT (487)	0.24	0.0793
KORA (1064)	0.08	0.0503
NSPHS (866)	0.16	0.0659
ORCADES (982)	0.10	0.0551
RECOMBINE (448)	-0.00	0.0558
STANLEY (344)	0.04	0.0967
STANLEY (300)	-0.12	0.0873
VIS (902)	0.20	0.0548

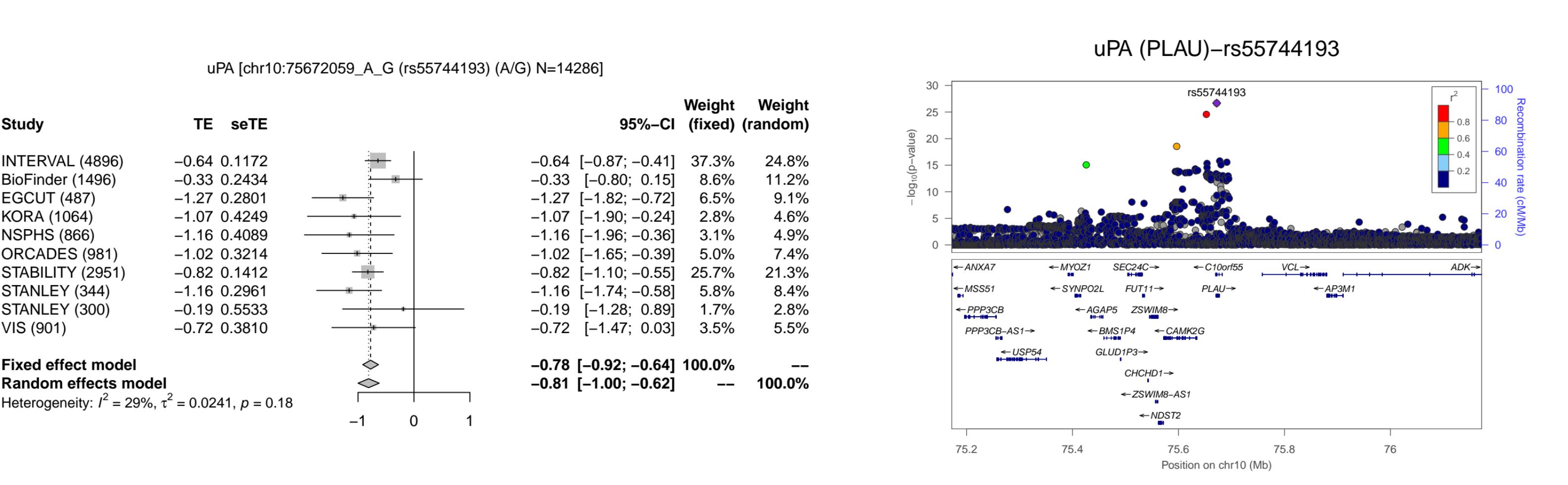
Fixed effect model Random effects model

Heterogeneity: $I^2 = 52\%$, $\tau^2 = 0.0029$, $p = 0.03$



TWEAK (TNFSF12)-rs579459



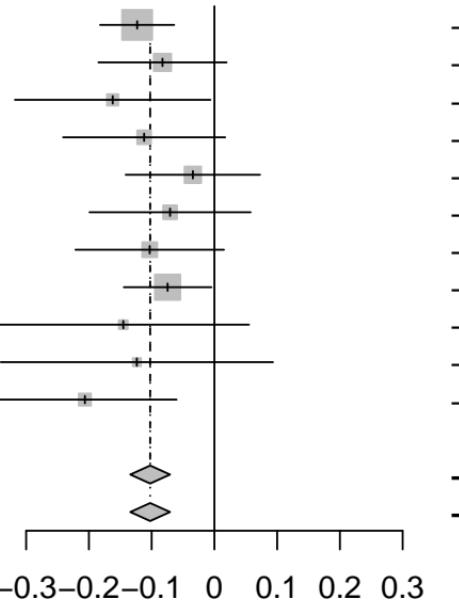


Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (445)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

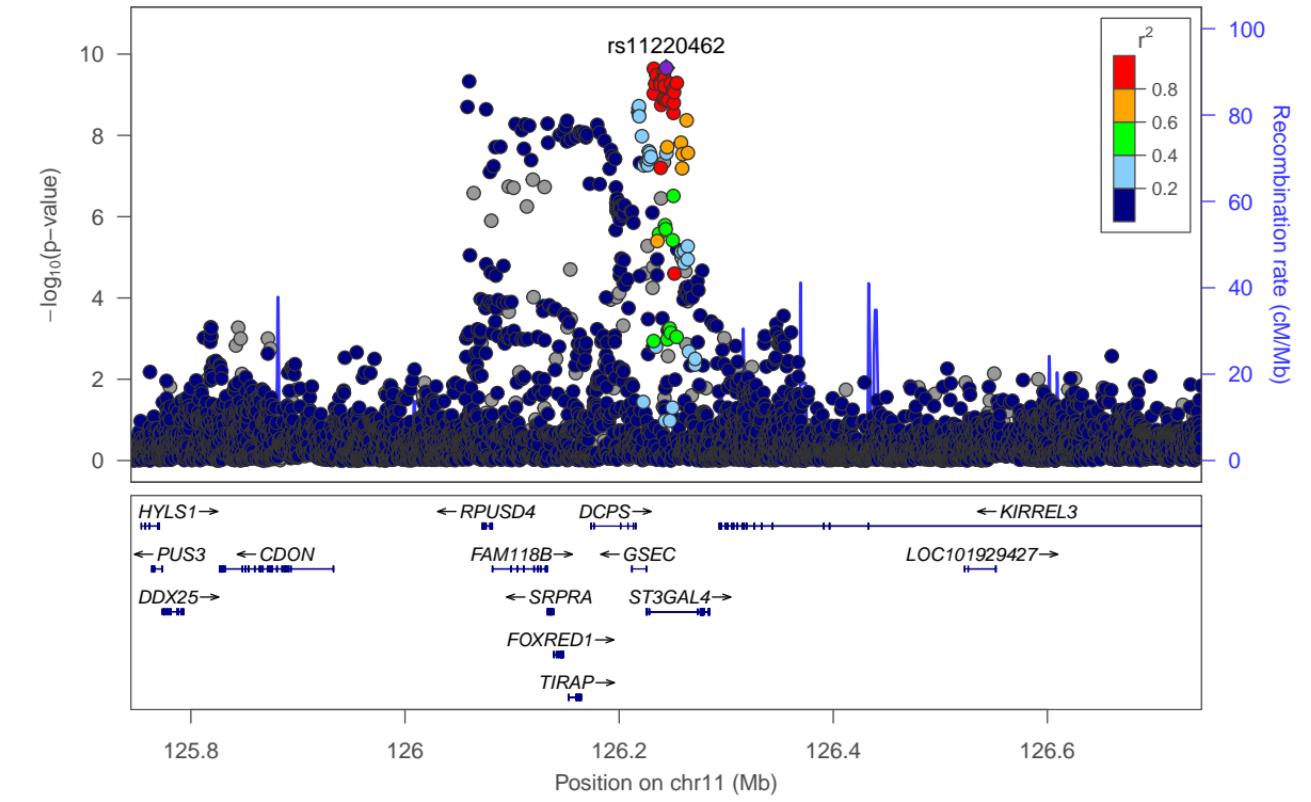
TE seTE

-0.12	0.0301
-0.08	0.0521
-0.16	0.0795
-0.11	0.0659
-0.03	0.0546
-0.07	0.0655
-0.10	0.0604
-0.07	0.0357
-0.15	0.1022
-0.12	0.1107
-0.21	0.0746

uPA [chr11:126243952_A_G (rs11220462) (A/G) N=14731]

	TE	seTE	95%-CI	Weight (fixed)	Weight (random)
	-0.12	0.0301	-0.12 [-0.18; -0.06]	28.7%	28.7%
	-0.08	0.0521	-0.08 [-0.18; 0.02]	9.6%	9.6%
	-0.16	0.0795	-0.16 [-0.32; -0.01]	4.1%	4.1%
	-0.11	0.0659	-0.11 [-0.24; 0.02]	6.0%	6.0%
	-0.03	0.0546	-0.03 [-0.14; 0.07]	8.7%	8.7%
	-0.07	0.0655	-0.07 [-0.20; 0.06]	6.1%	6.1%
	-0.10	0.0604	-0.10 [-0.22; 0.02]	7.1%	7.1%
	-0.07	0.0357	-0.07 [-0.14; 0.00]	20.5%	20.5%
	-0.15	0.1022	-0.15 [-0.35; 0.06]	2.5%	2.5%
	-0.12	0.1107	-0.12 [-0.34; 0.09]	2.1%	2.1%
	-0.21	0.0746	-0.21 [-0.35; -0.06]	4.7%	4.7%
Fixed effect model			-0.10 [-0.13; -0.07]	100.0%	--
Random effects model			-0.10 [-0.13; -0.07]	--	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.84$

uPA (PLAU)-rs11220462

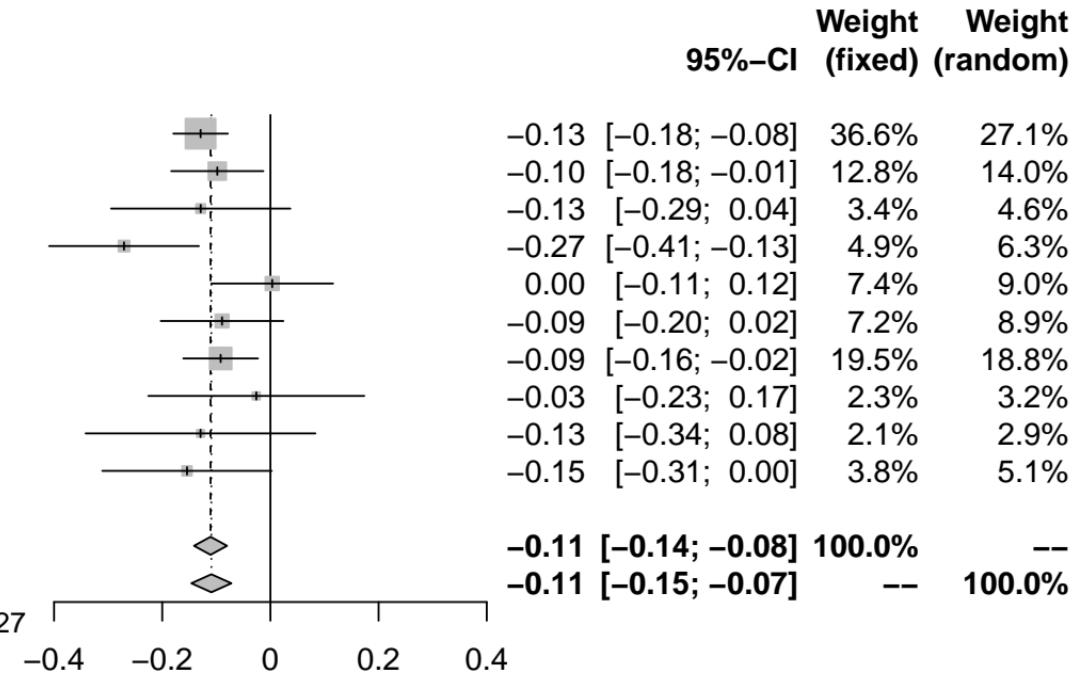
uPA [chr17:7063667_C_T (rs7406661) (T/C) N=14286]

Study

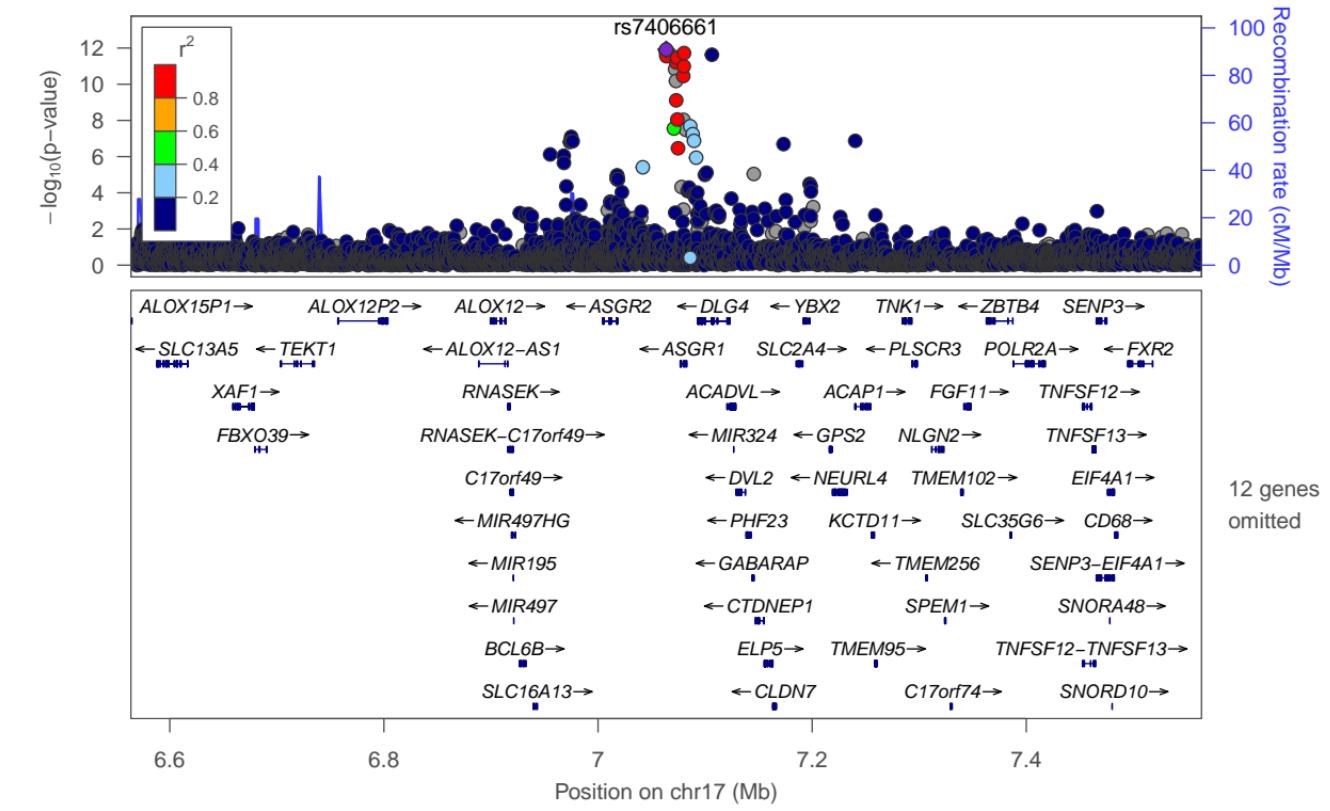
	TE	seTE
INTERVAL (4896)	-0.13	0.0258
BioFinder (1496)	-0.10	0.0435
EGCUT (487)	-0.13	0.0846
KORA (1064)	-0.27	0.0707
NSPHS (866)	0.00	0.0575
ORCADES (981)	-0.09	0.0579
STABILITY (2951)	-0.09	0.0352
STANLEY (344)	-0.03	0.1019
STANLEY (300)	-0.13	0.1084
VIS (901)	-0.15	0.0799

Fixed effect model
Random effects model

Heterogeneity: $I^2 = 19\%$, $\tau^2 = 0.0007$, $p = 0.27$



uPA (PLAU)-rs7406661

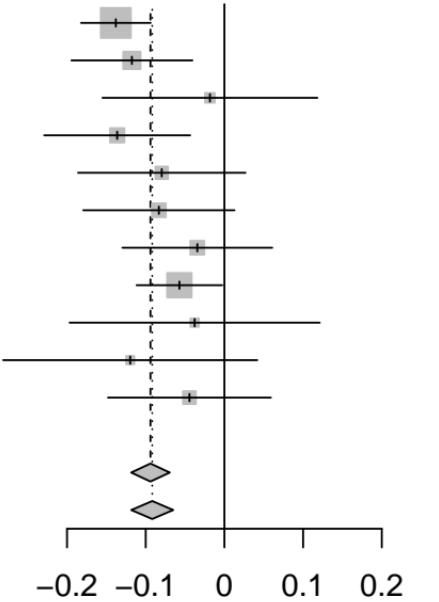


Study

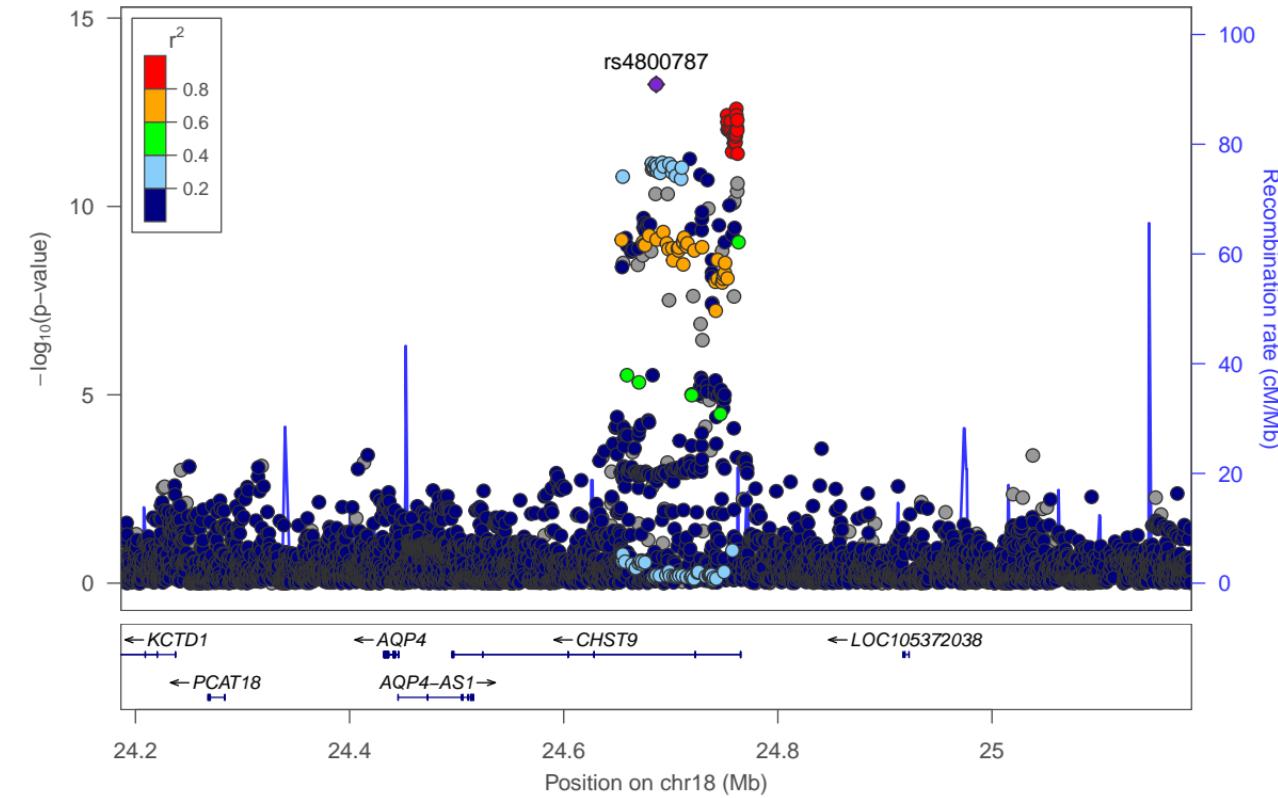
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (444)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

-0.14 0.0226
-0.12 0.0393
-0.02 0.0697
-0.14 0.0473
-0.08 0.0543
-0.08 0.0490
-0.03 0.0486
-0.06 0.0278
-0.04 0.0811
-0.12 0.0824
-0.04 0.0528

**Fixed effect model****Random effects model**Heterogeneity: $I^2 = 9\%$, $\tau^2 = 0.0002$, $p = 0.36$ **uPA [chr18:24686365_C_T (rs4800787) (T/C) N=14730]**

	TE	seTE	95%-CI	Weight (fixed)	Weight (random)
	-0.14	0.0226	-0.14 [-0.18; -0.09]	30.6%	26.7%
	-0.12	0.0393	-0.12 [-0.19; -0.04]	10.2%	10.7%
	-0.02	0.0697	-0.02 [-0.16; 0.12]	3.2%	3.7%
	-0.14	0.0473	-0.14 [-0.23; -0.04]	7.0%	7.6%
	-0.08	0.0543	-0.08 [-0.19; 0.03]	5.3%	5.9%
	-0.08	0.0490	-0.08 [-0.18; 0.01]	6.5%	7.1%
	-0.03	0.0486	-0.03 [-0.13; 0.06]	6.6%	7.3%
	-0.06	0.0278	-0.06 [-0.11; 0.00]	20.3%	19.4%
	-0.04	0.0811	-0.04 [-0.20; 0.12]	2.4%	2.7%
	-0.12	0.0824	-0.12 [-0.28; 0.04]	2.3%	2.6%
	-0.04	0.0528	-0.04 [-0.15; 0.06]	5.6%	6.2%
	-0.09	[-0.12; -0.07]	100.0%	--	--
	-0.09	[-0.12; -0.07]		--	100.0%

uPA (PLAU)-rs4800787

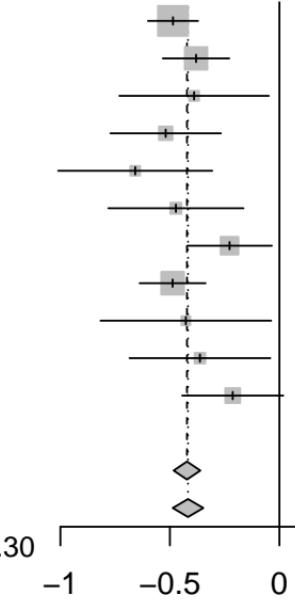
uPA [chr19:44174441_C_T (rs4251805) (T/C) N=14734]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

-0.49 0.0584
-0.38 0.0775
-0.39 0.1743
-0.52 0.1288
-0.66 0.1796
-0.47 0.1574
-0.23 0.0986
-0.49 0.0769
-0.43 0.1989
-0.36 0.1641
-0.21 0.1179



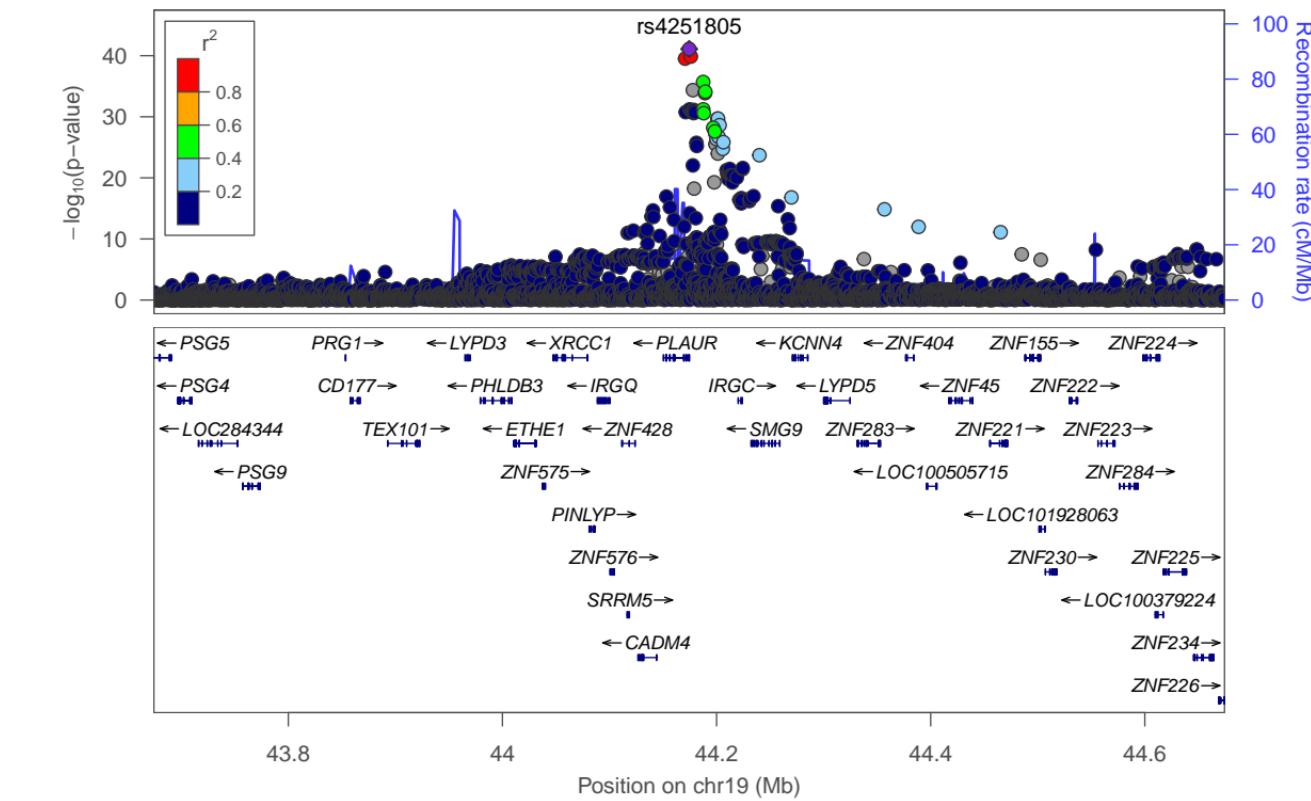
95%-CI Weight (fixed) Weight (random)

-0.49 [-0.60; -0.37]	28.5%	23.1%
-0.38 [-0.53; -0.23]	16.1%	15.7%
-0.39 [-0.73; -0.05]	3.2%	3.9%
-0.52 [-0.77; -0.27]	5.8%	6.8%
-0.66 [-1.01; -0.31]	3.0%	3.7%
-0.47 [-0.78; -0.16]	3.9%	4.7%
-0.23 [-0.42; -0.03]	10.0%	10.8%
-0.49 [-0.64; -0.34]	16.4%	15.9%
-0.43 [-0.82; -0.04]	2.5%	3.0%
-0.36 [-0.68; -0.04]	3.6%	4.4%
-0.21 [-0.44; 0.02]	7.0%	7.9%

Fixed effect model
Random effects model

Heterogeneity: $I^2 = 15\%$, $\tau^2 = 0.0021$, $p = 0.30$

uPA (PLAU)-rs4251805



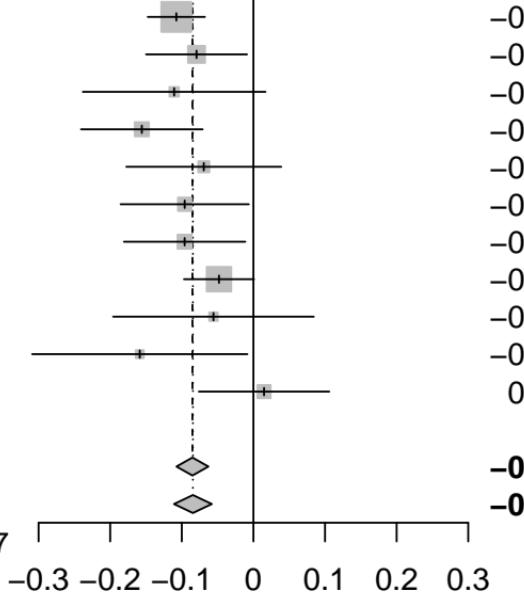
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (443)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

TE seTE

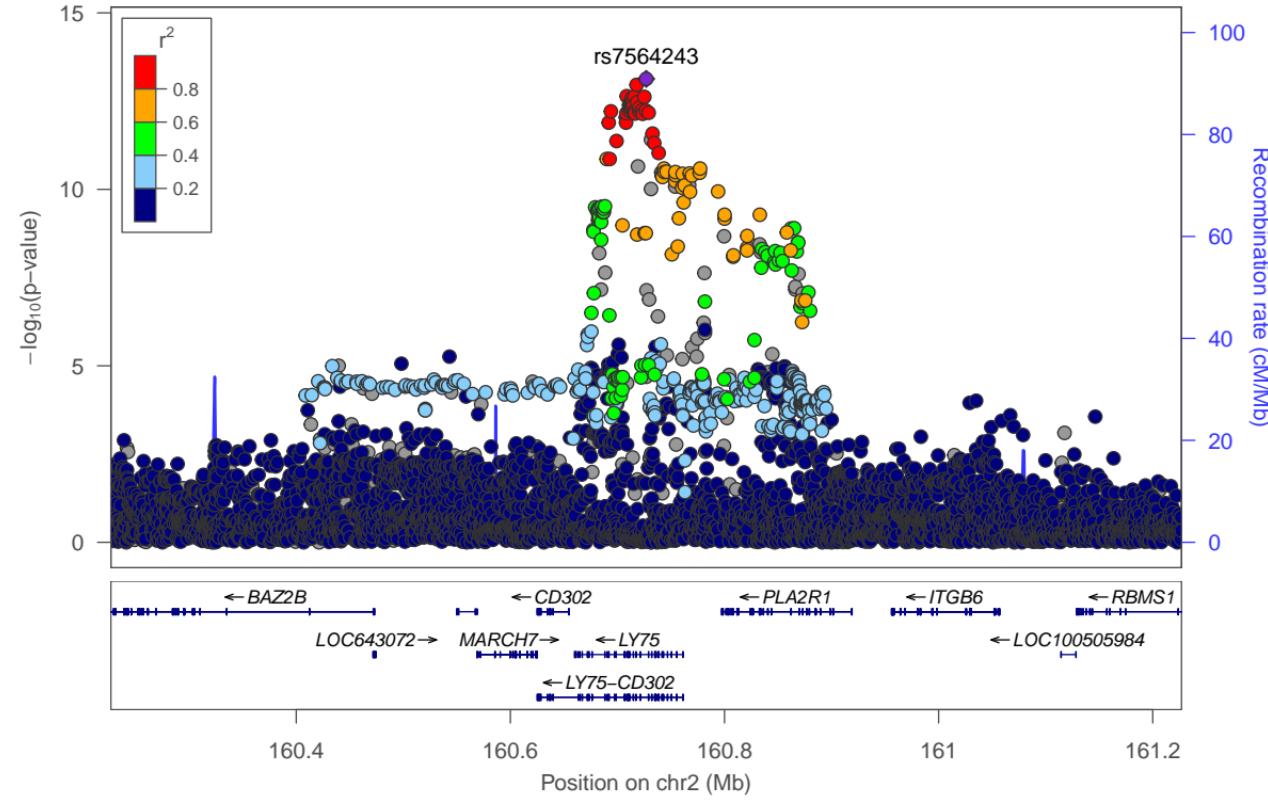
-0.11 0.0204
-0.08 0.0360
-0.11 0.0651
-0.16 0.0434
-0.07 0.0552
-0.10 0.0457
-0.10 0.0433
-0.05 0.0250
-0.06 0.0715
-0.16 0.0767
0.01 0.0465

uPA [chr2:160726868_A_G (rs7564243) (A/G) N=14729]

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 18\%$, $\tau^2 = 0.0003$, $p = 0.27$ **95%-CI Weight (fixed) Weight (random)**

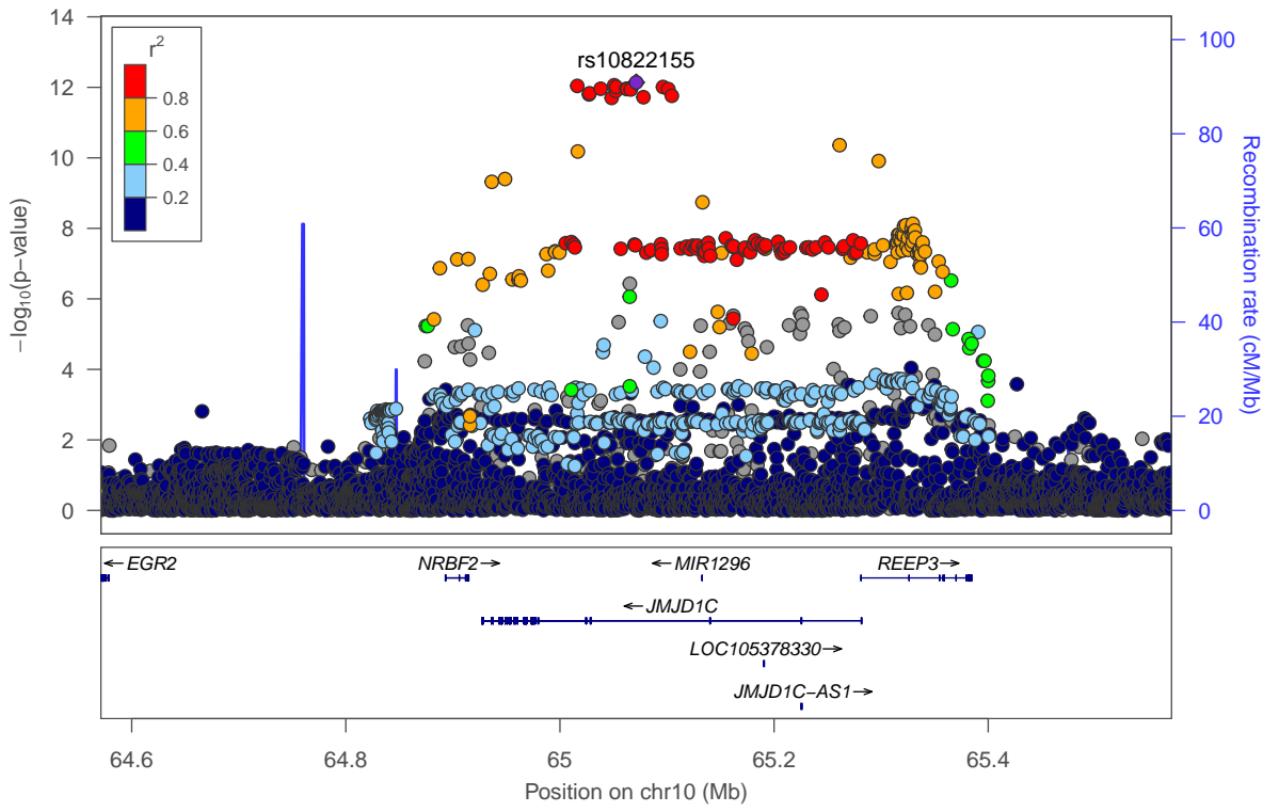
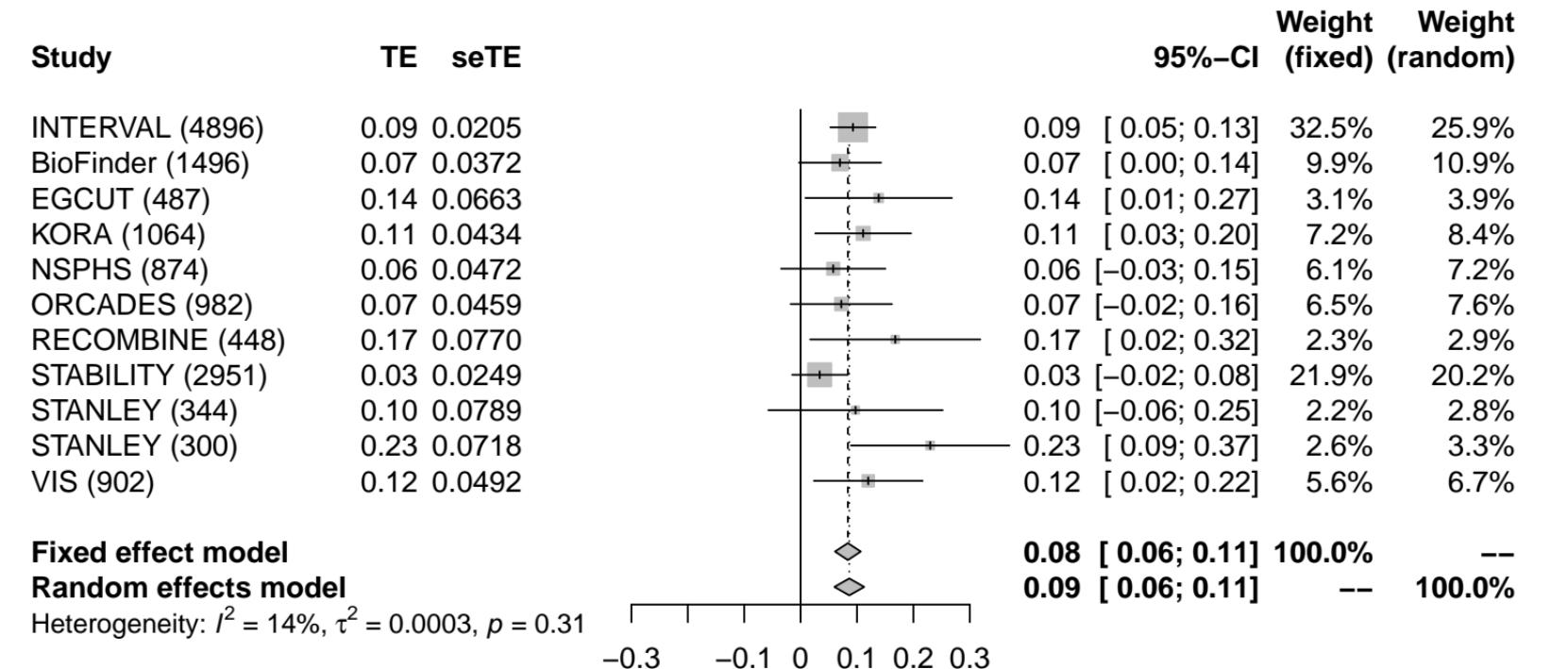
	95%-CI	Weight (fixed)	Weight (random)
-0.11 [-0.15; -0.07]	31.1%	23.8%	
-0.08 [-0.15; -0.01]	10.0%	11.0%	
-0.11 [-0.24; 0.02]	3.1%	3.9%	
-0.16 [-0.24; -0.07]	6.9%	8.1%	
-0.07 [-0.18; 0.04]	4.3%	5.3%	
-0.10 [-0.19; -0.01]	6.2%	7.4%	
-0.10 [-0.18; -0.01]	6.9%	8.2%	
-0.05 [-0.10; 0.00]	20.8%	18.7%	
-0.06 [-0.20; 0.08]	2.5%	3.3%	
-0.16 [-0.31; -0.01]	2.2%	2.9%	
0.01 [-0.08; 0.11]	6.0%	7.2%	
-0.09 [-0.11; -0.06]	100.0%	--	
-0.08 [-0.11; -0.06]	--	100.0%	

uPA (PLAU)-rs7564243



VEGF_A (VEGFA)-rs10822155

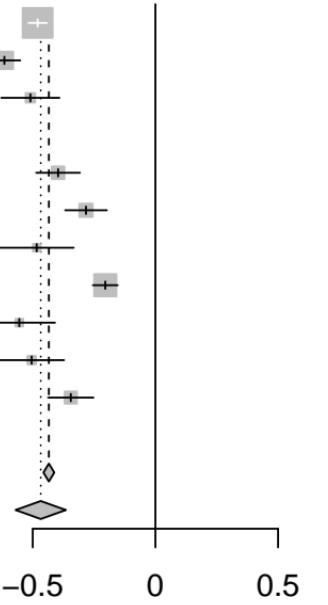
VEGF_A [chr10:65071215_A_C (rs10822155) (A/C) N=14744]



Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (437)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

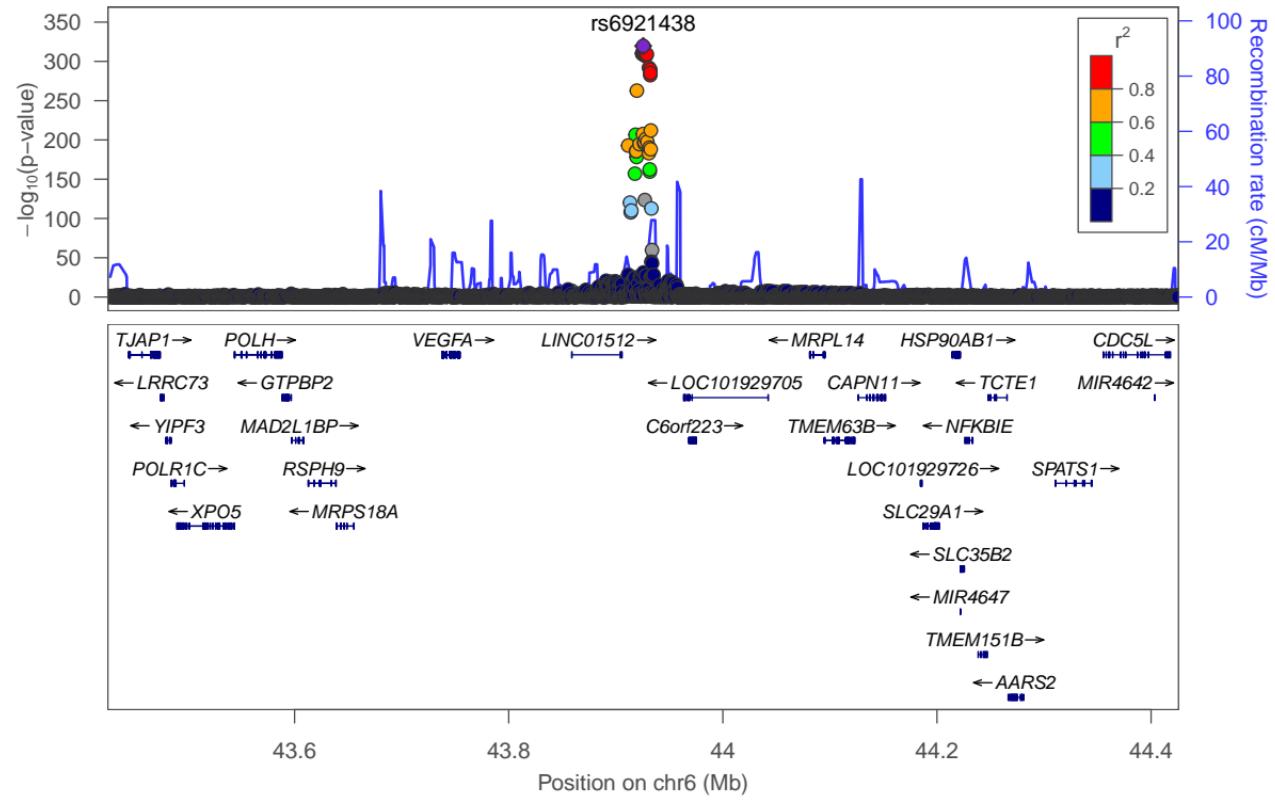
VEGF_A [chr6:43925607_A_G (rs6921438) (A/G) N=14733]

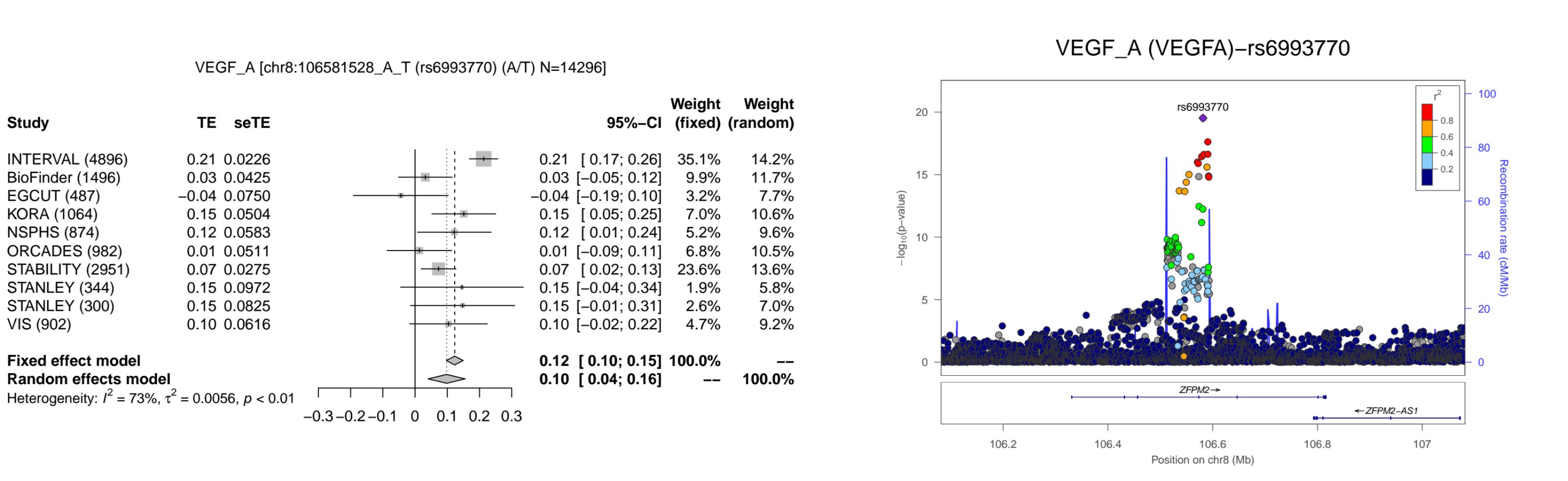
TE**seTE****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 95\%$, $\tau^2 = 0.0274$, $p < 0.01$ **Weight
95%-CI
(fixed)****Weight
(random)**

	95%-CI	Weight (fixed)	Weight (random)
-0.48	[-0.52; -0.44]	34.9%	9.9%
-0.62	[-0.68; -0.55]	11.8%	9.6%
-0.51	[-0.63; -0.39]	3.5%	8.8%
-0.80	[-0.90; -0.69]	4.5%	9.0%
-0.40	[-0.49; -0.31]	6.2%	9.3%
-0.28	[-0.37; -0.20]	6.8%	9.3%
-0.48	[-0.63; -0.33]	2.2%	8.2%
-0.20	[-0.26; -0.15]	19.2%	9.7%
-0.55	[-0.70; -0.41]	2.3%	8.3%
-0.50	[-0.64; -0.37]	2.8%	8.6%
-0.34	[-0.44; -0.25]	5.8%	9.2%

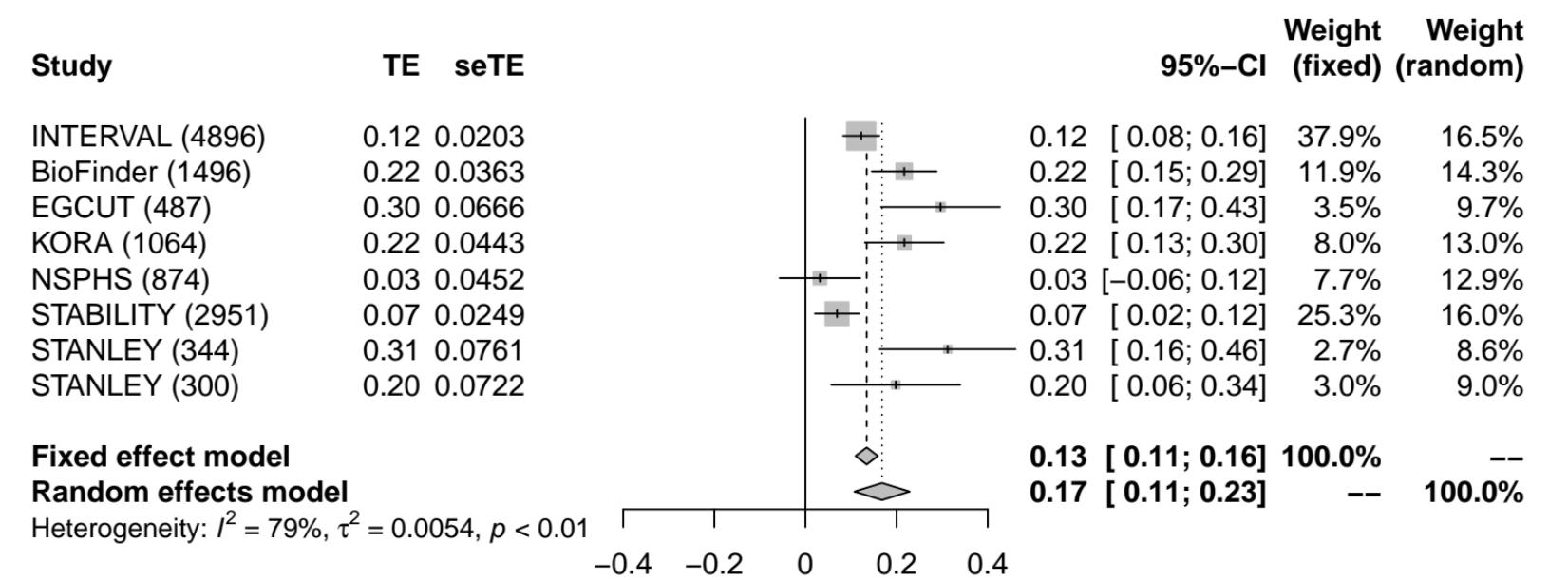
-0.43 **[-0.46; -0.41]** **100.0%**
-0.47 **[-0.57; -0.36]** **--** **100.0%**

VEGF_A (VEGFA)-rs6921438





VEGF_A [chr9:2687795_A_T (rs6475938) (A/T) N=12412]



VEGF_A (VEGFA)-rs6475938

