

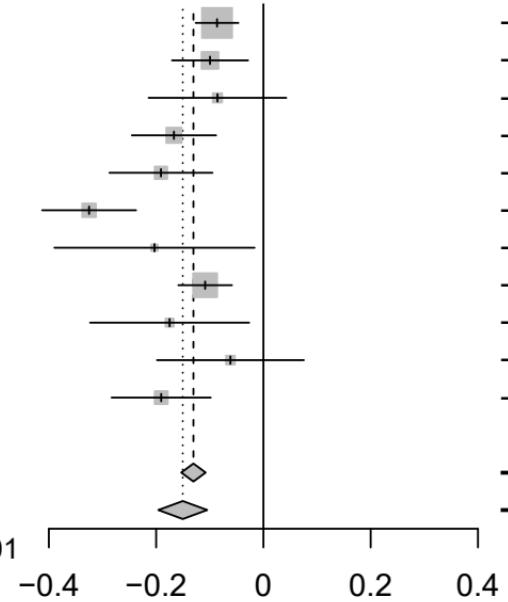
Study

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]

b **SE**

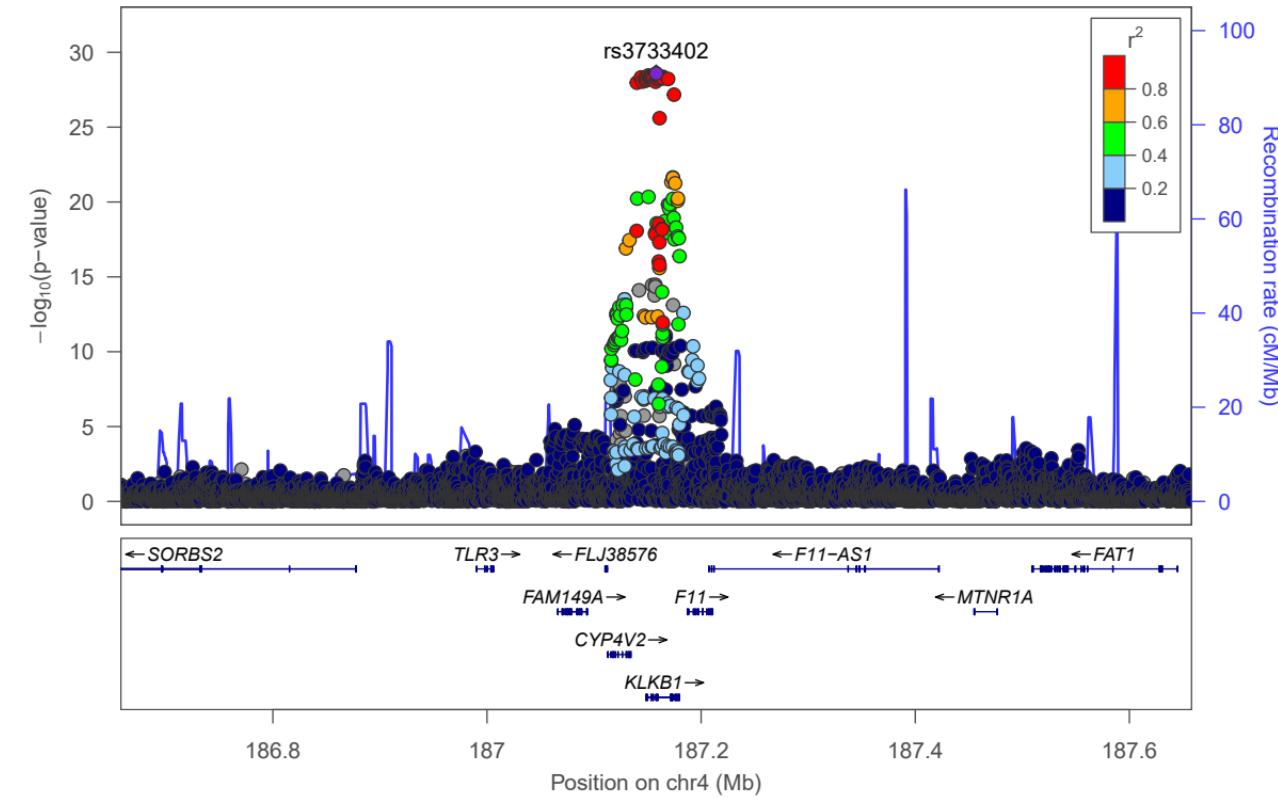
-0.09 0.0203
-0.10 0.0362
-0.09 0.0655
-0.17 0.0401
-0.19 0.0490
-0.32 0.0447
-0.20 0.0952
-0.11 0.0255
-0.17 0.0757
-0.06 0.0699
-0.19 0.0472



			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: $I^2 = 68\%$, $\tau^2 = 0.0035$, $p < 0.01$

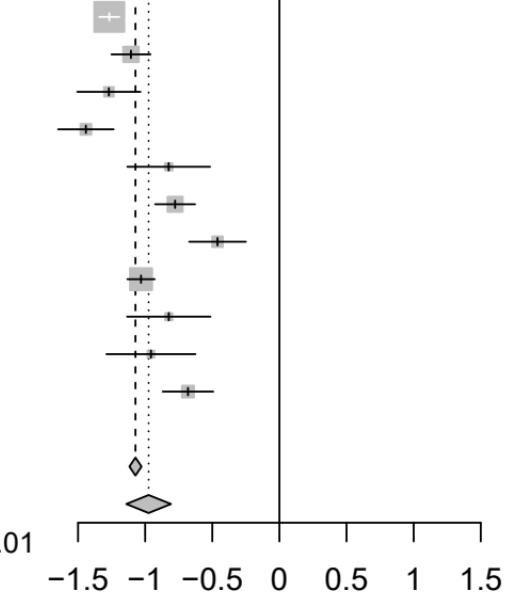
4EBP1 (EIF4EBP1)-rs3733402



Study

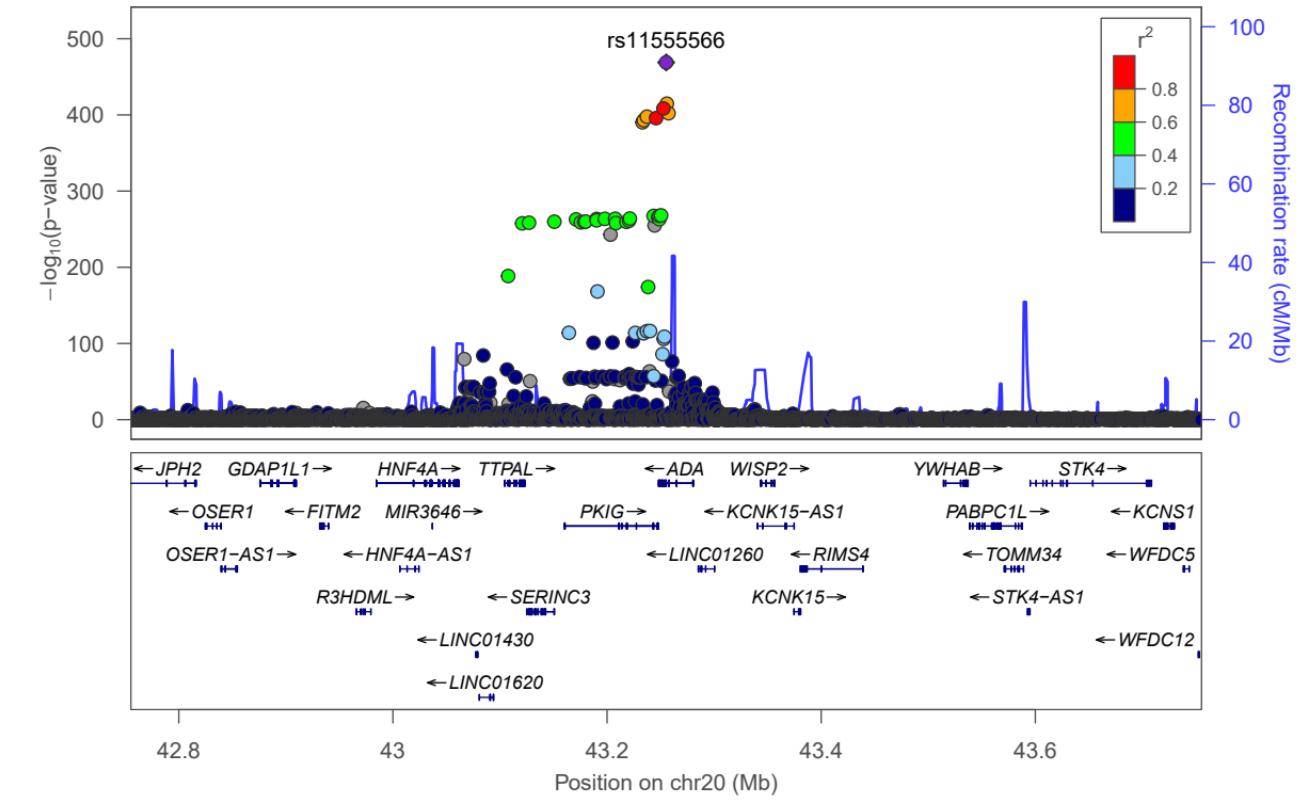
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (424)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

ADA [chr20:43255220_C_T (rs11555566) (T/C) N=14712]

b**SE****Heterogeneity:** $I^2 = 91\%, \tau^2 = 0.0674, p < 0.01$ **Weight
(fixed) (random)**

	95%-CI	Weight (fixed)	Weight (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%	
-1.07 [-1.12; -1.03]	100.0%	--	
-0.97 [-1.14; -0.81]	--	100.0%	

ADA (ADA)-rs11555566

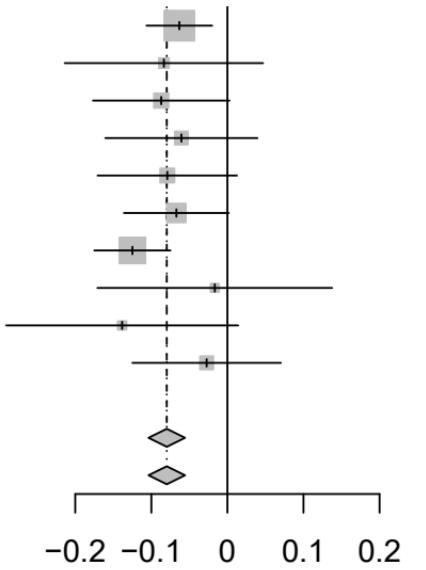


Study

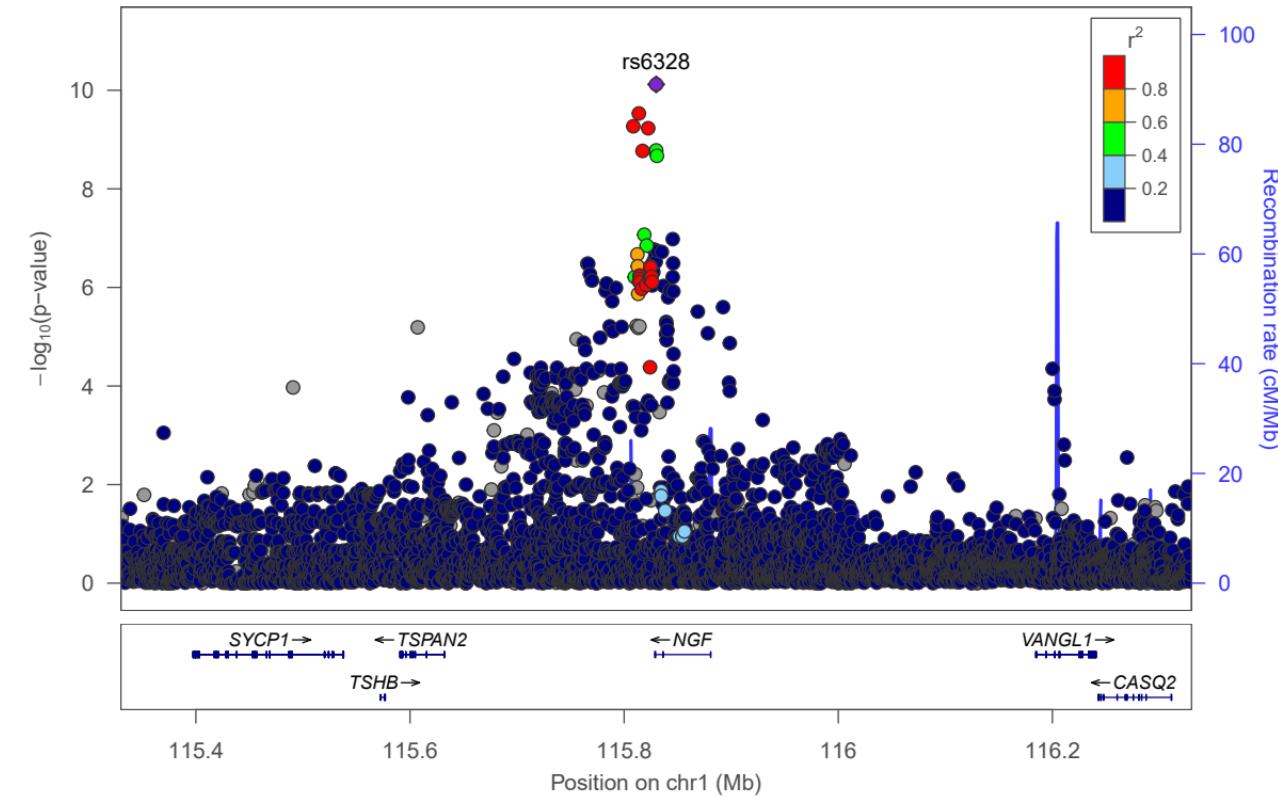
INTERVAL (4896)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (981)
RECOMBINE (425)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

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]**b SE**

		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

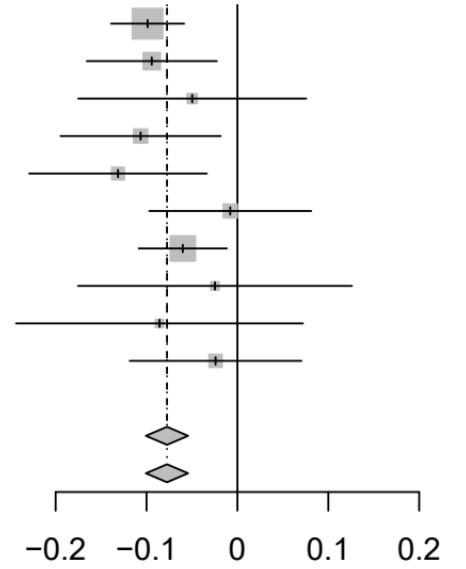
Study

Study	b	EE
INTERVAL (4896)	-0.10	0.0205
BioFinder (1496)	-0.09	0.0365
EGCUT (487)	-0.05	0.0640
KORA (1064)	-0.11	0.0450
NSPHS (874)	-0.13	0.0499
ORCADES (981)	-0.01	0.0455
STABILITY (2951)	-0.06	0.0248
STANLEY (344)	-0.02	0.0769
STANLEY (300)	-0.09	0.0805
VIS (902)	-0.02	0.0482

Fixed effect model
Random effects model

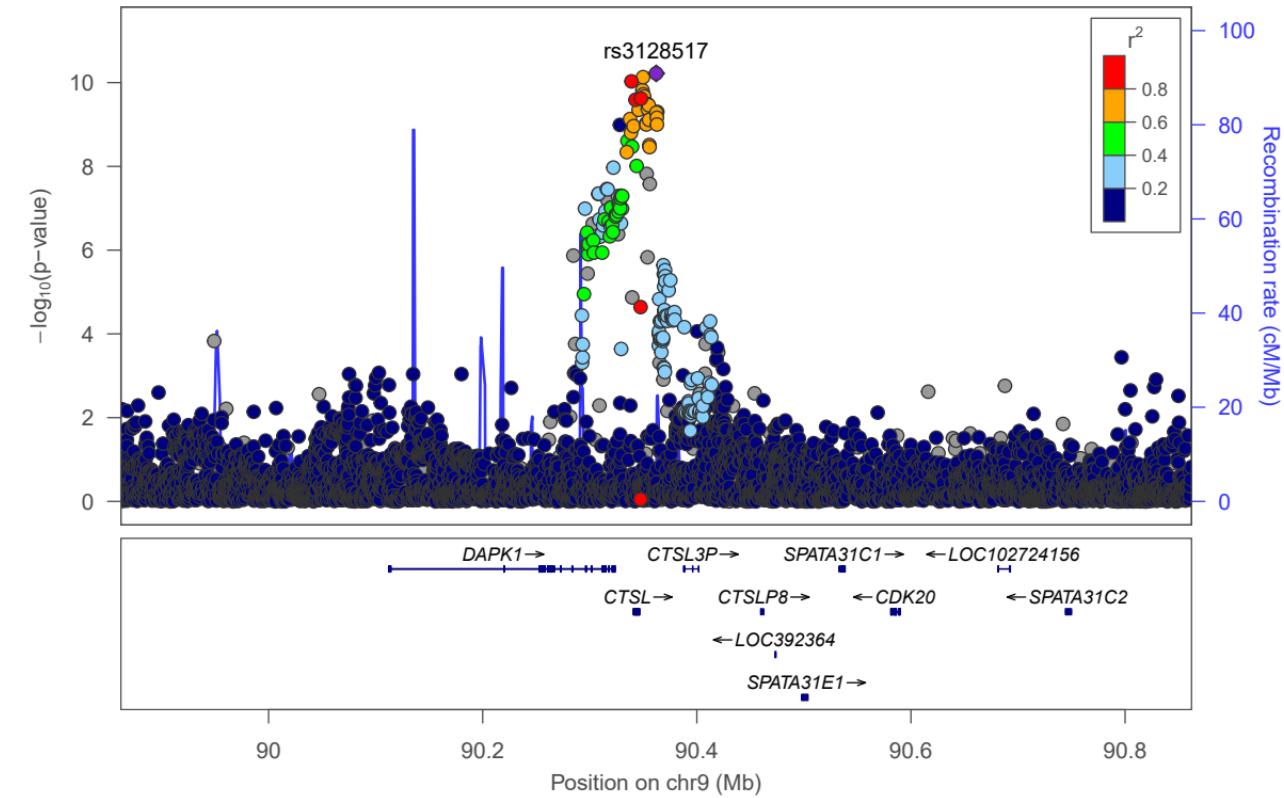
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.57$

Beta-NGF [chr9:90362040_C_T (rs3128517) (T/C) N=14295]

b EE

		Weight 95%-CI	Weight (fixed)	Weight (random)
	-0.10 [-0.14; -0.06]	33.3%	33.3%	
	-0.09 [-0.17; -0.02]	10.5%	10.5%	
	-0.05 [-0.18; 0.08]	3.4%	3.4%	
	-0.11 [-0.19; -0.02]	6.9%	6.9%	
	-0.13 [-0.23; -0.03]	5.6%	5.6%	
	-0.01 [-0.10; 0.08]	6.8%	6.8%	
	-0.06 [-0.11; -0.01]	22.8%	22.8%	
	-0.02 [-0.18; 0.13]	2.4%	2.4%	
	-0.09 [-0.24; 0.07]	2.2%	2.2%	
	-0.02 [-0.12; 0.07]	6.0%	6.0%	
	-0.08 [-0.10; -0.05]	100.0%	--	--
	-0.08 [-0.10; -0.05]	--	--	100.0%

Beta-NGF (NGF)-rs3128517



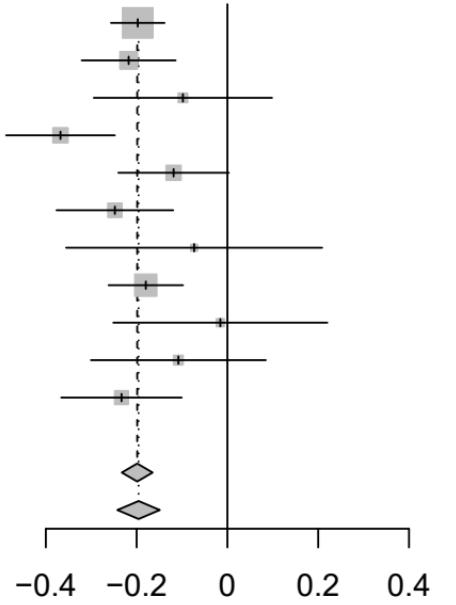
Study

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]

b **SE**

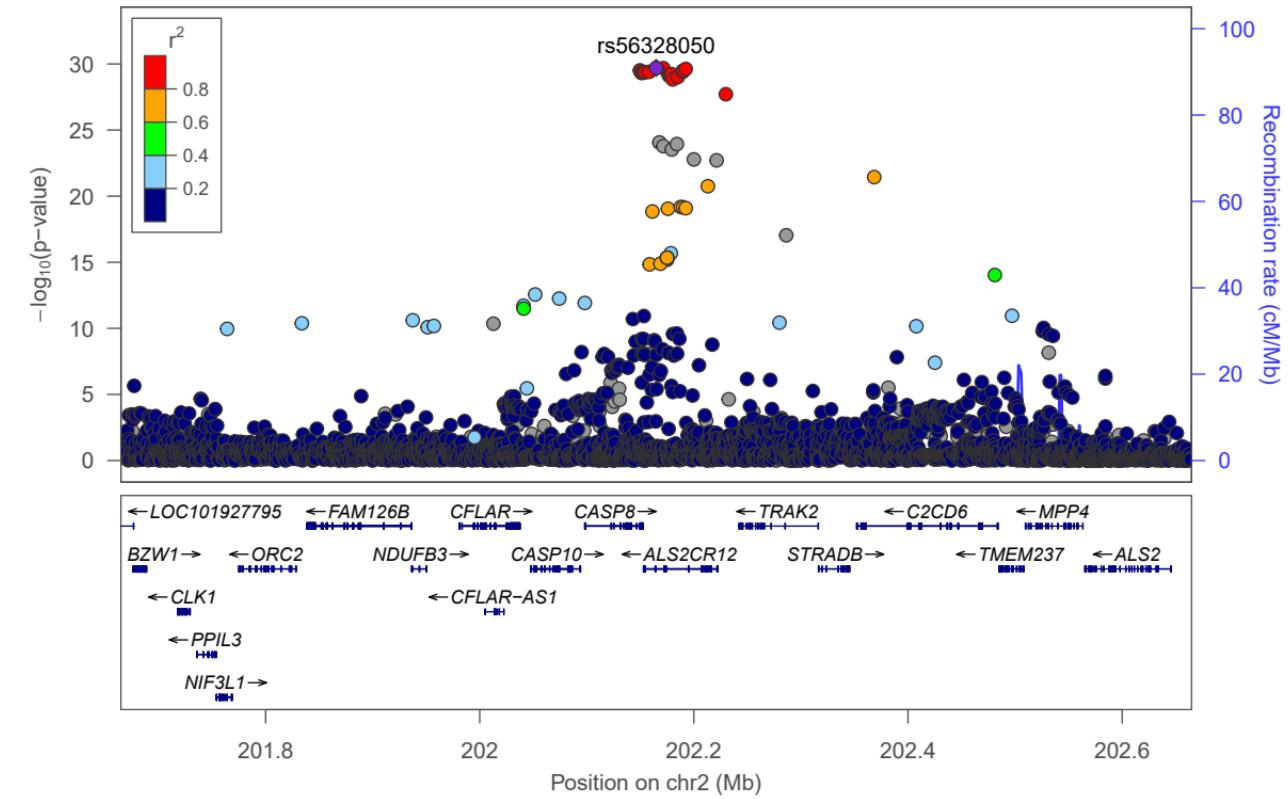
-0.20 0.0301
-0.22 0.0528
-0.10 0.1002
-0.37 0.0611
-0.12 0.0621
-0.25 0.0656
-0.07 0.1439
-0.18 0.0418
-0.02 0.1203
-0.11 0.0983
-0.23 0.0677



			Weight (fixed)	Weight (random)
		95%-CI		
		-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: $I^2 = 35\%$, $\tau^2 = 0.0020$, $p = 0.12$

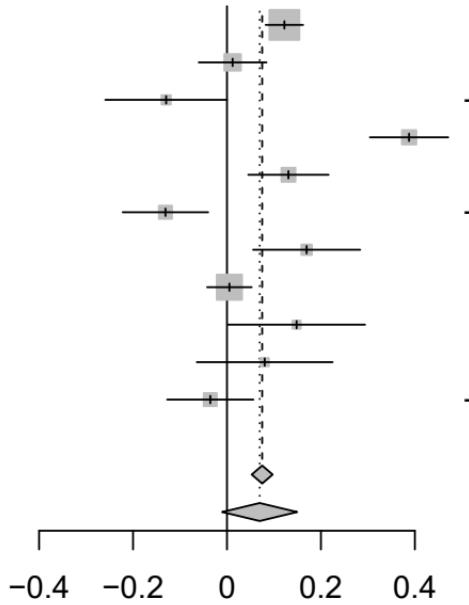
CASP-8 (CASP8)-rs56328050



Study

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

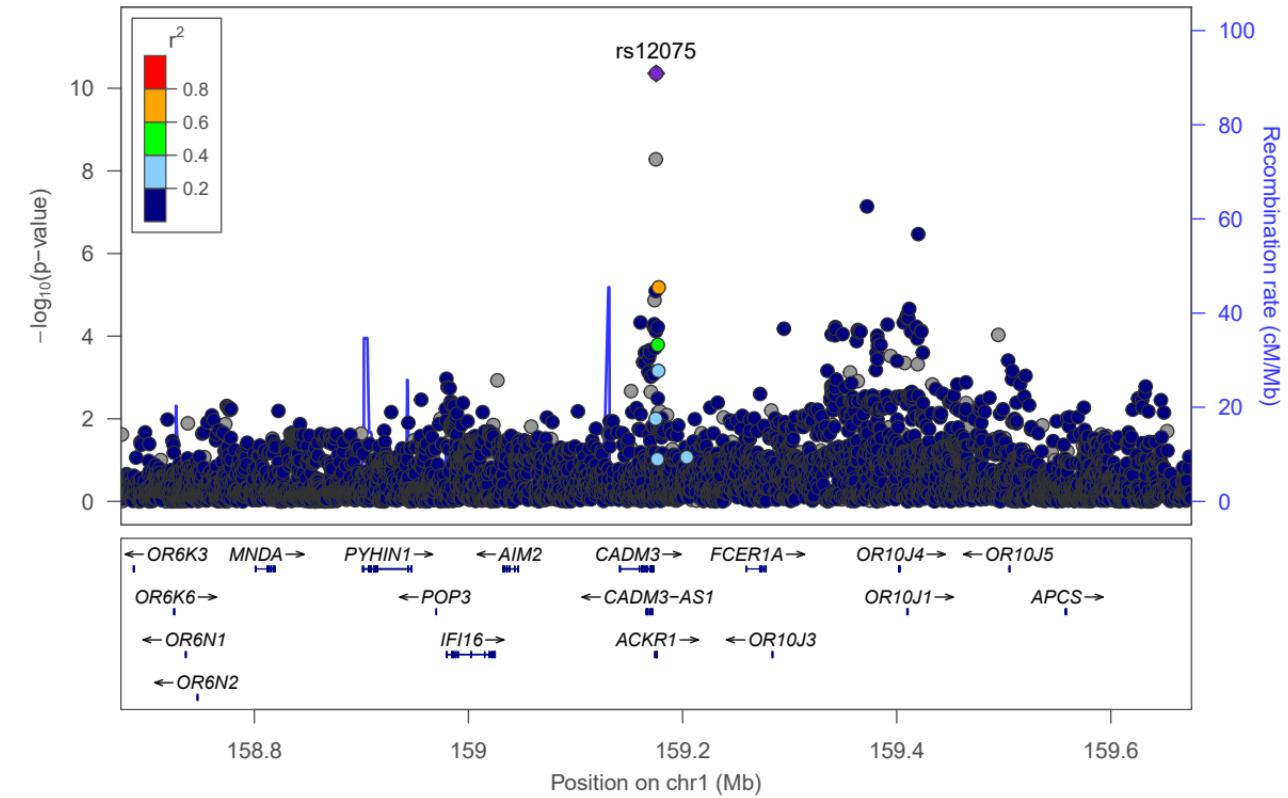
CCL11 [chr1:159175354_A_G (rs12075) (A/G) N=14731]

b **SE**

Fixed effect model
Random effects model
Heterogeneity: $I^2 = 91\%$, $\tau^2 = 0.0158$, $p < 0.01$

	b	95%-CI	Weight (fixed)	Weight (random)
Fixed effect model	0.07	[0.05; 0.10]	100.0%	--
Random effects model	0.07	[-0.01; 0.15]	--	100.0%

CCL11 (CCL11)-rs12075

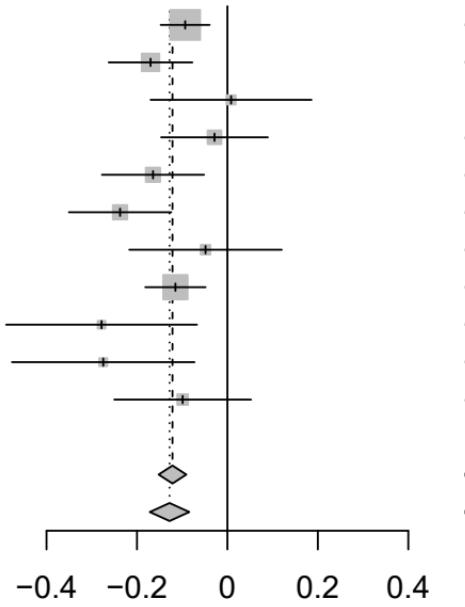


Study

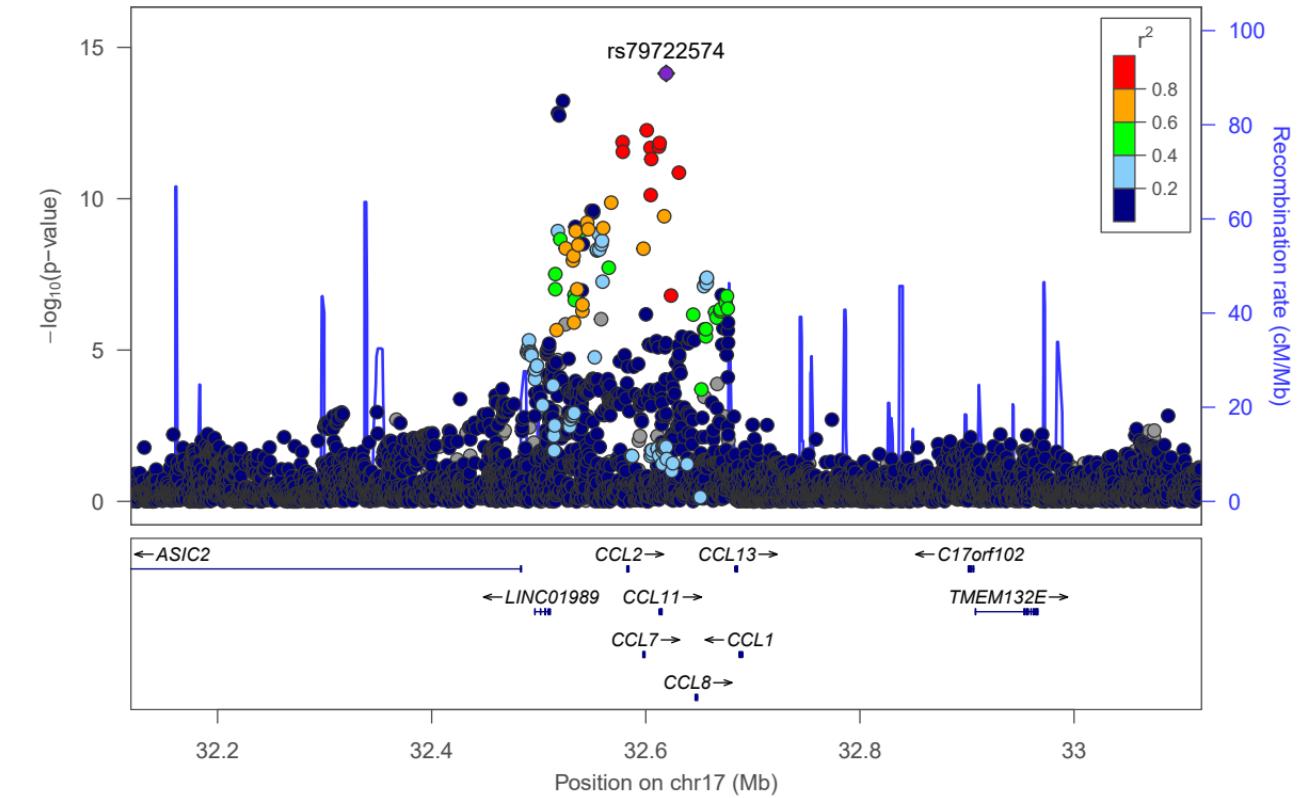
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (434)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

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

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

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)

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

0.0421

0.0658

0.1189

0.0813

0.0893

0.0917

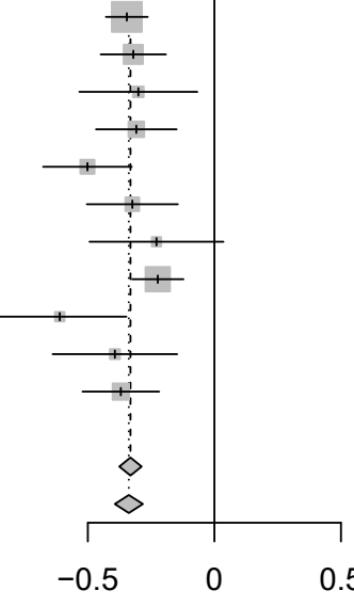
0.1350

0.0518

0.1343

0.1255

0.0773

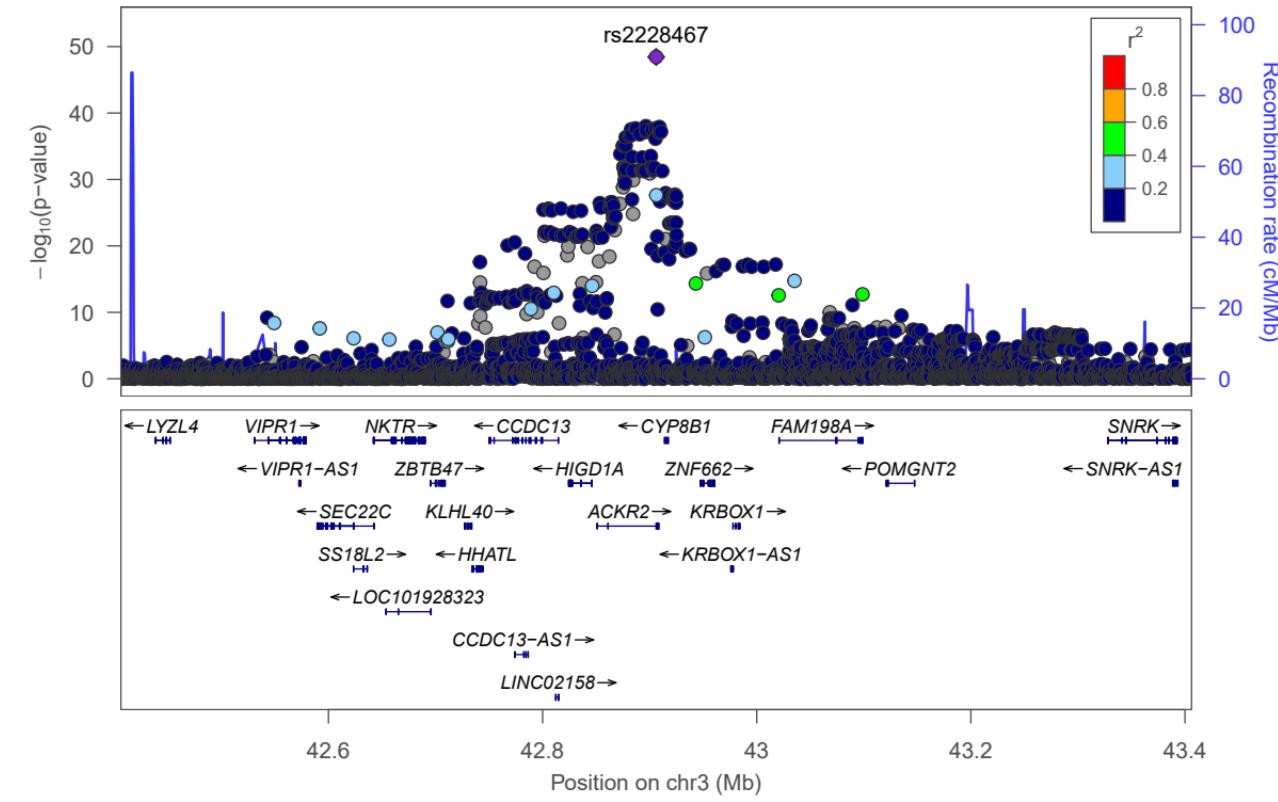


Heterogeneity: $I^2 = 27\%$, $\tau^2 = 0.0022$, $p = 0.19$

95%-CI

Weight (fixed)

Weight (random)

CCL11 (CCL11)-rs2228467

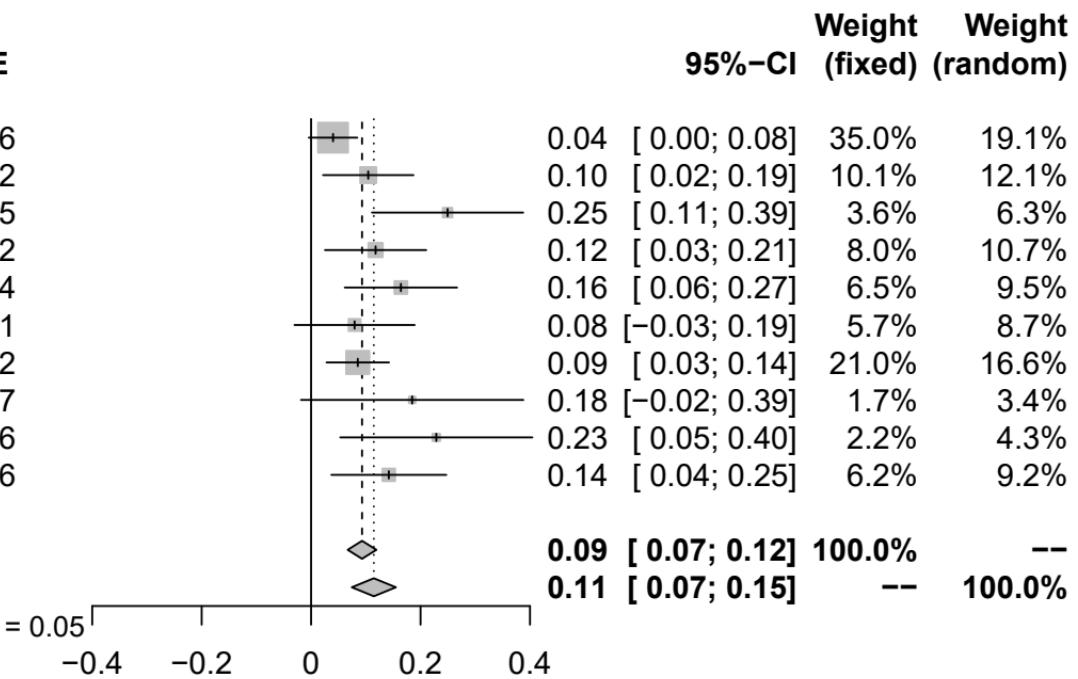
CCL11 [chr3:46250348_C_T (rs1491961) (T/C) N=14286]

Study	b	SE
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

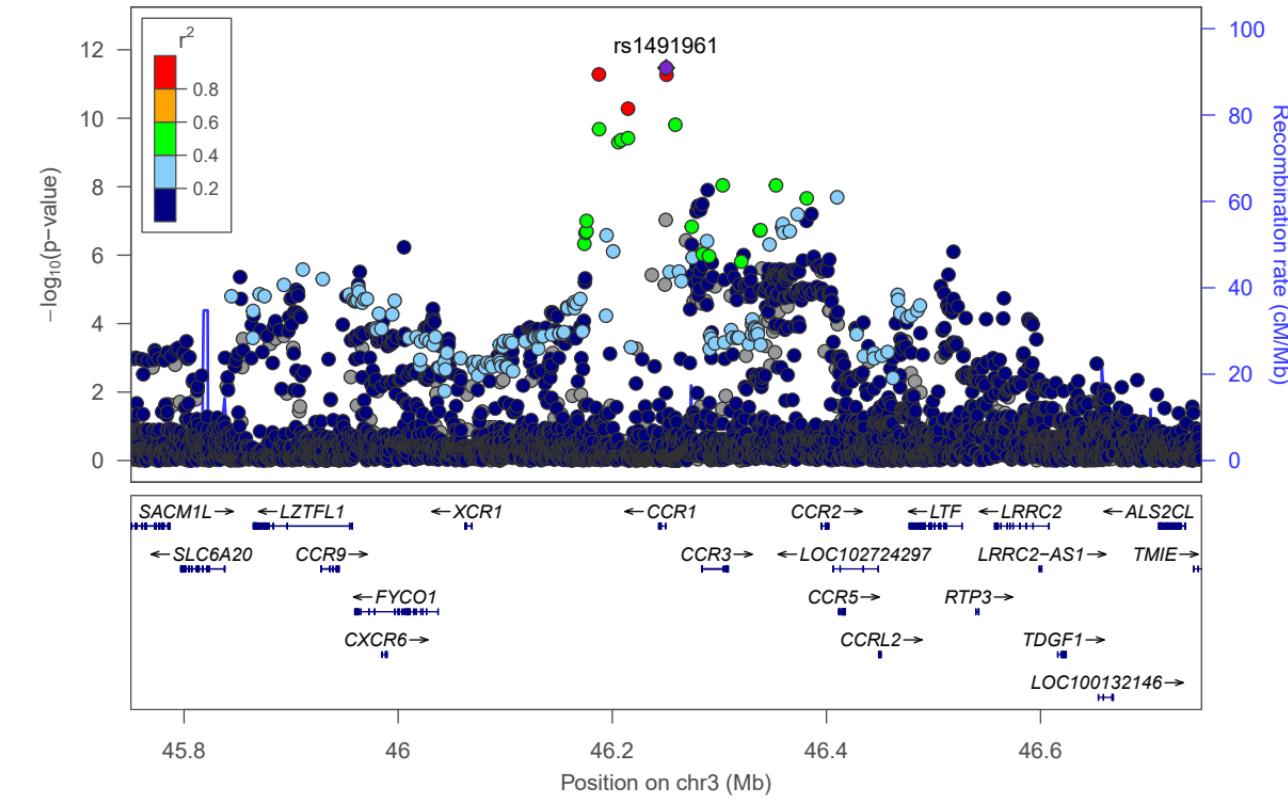
Fixed effect model

Random effects model

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



CCL11 (CCL11)-rs1491961



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

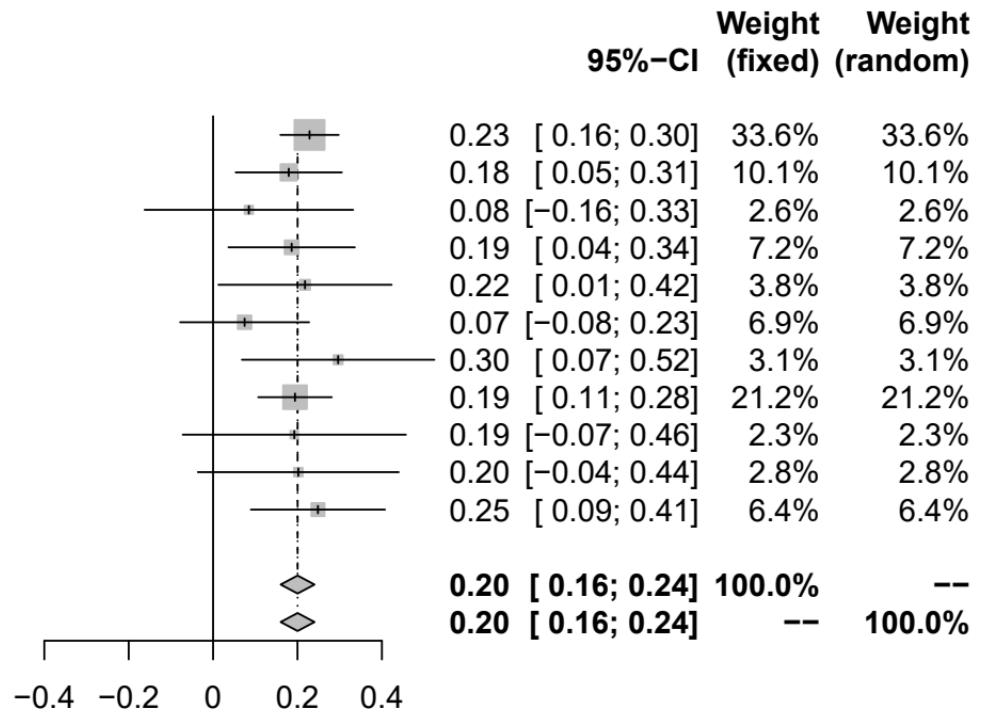
Study

	b	SE
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

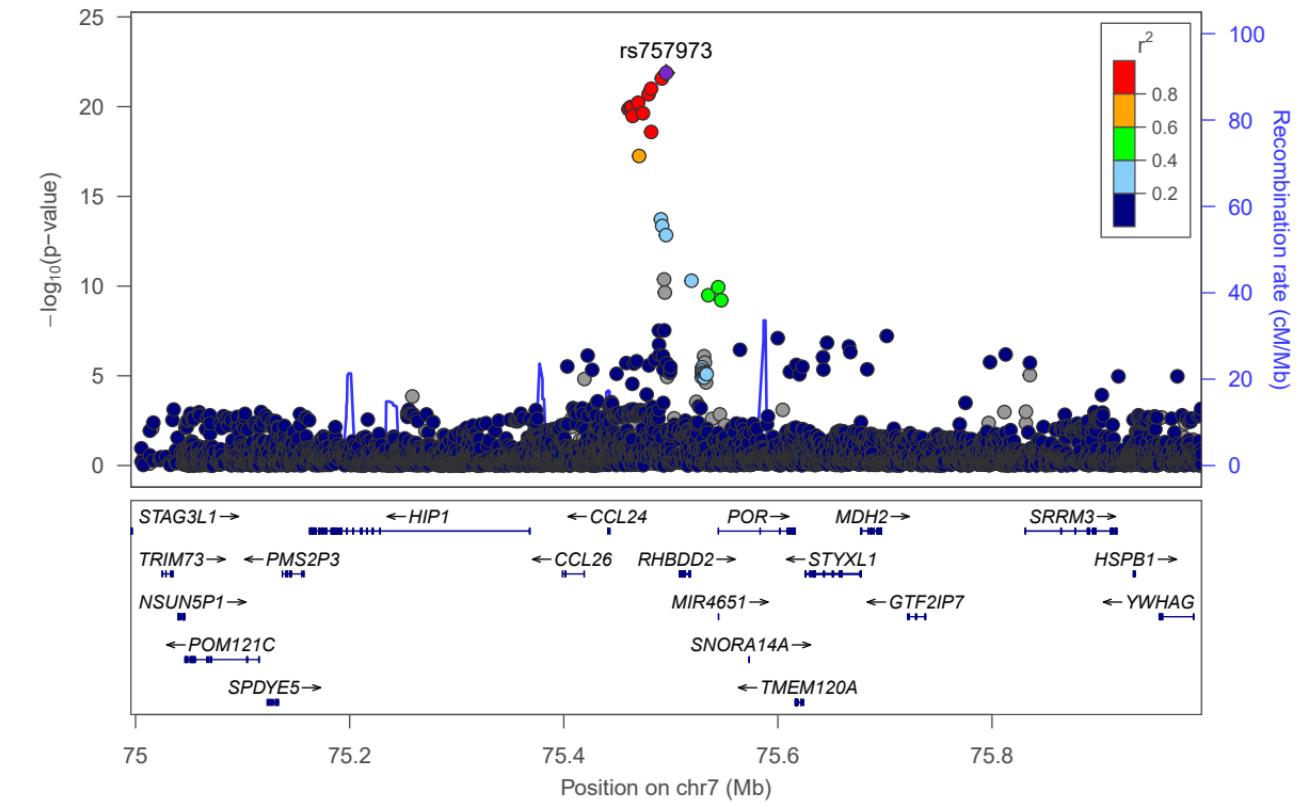
Fixed effect model

Random effects model

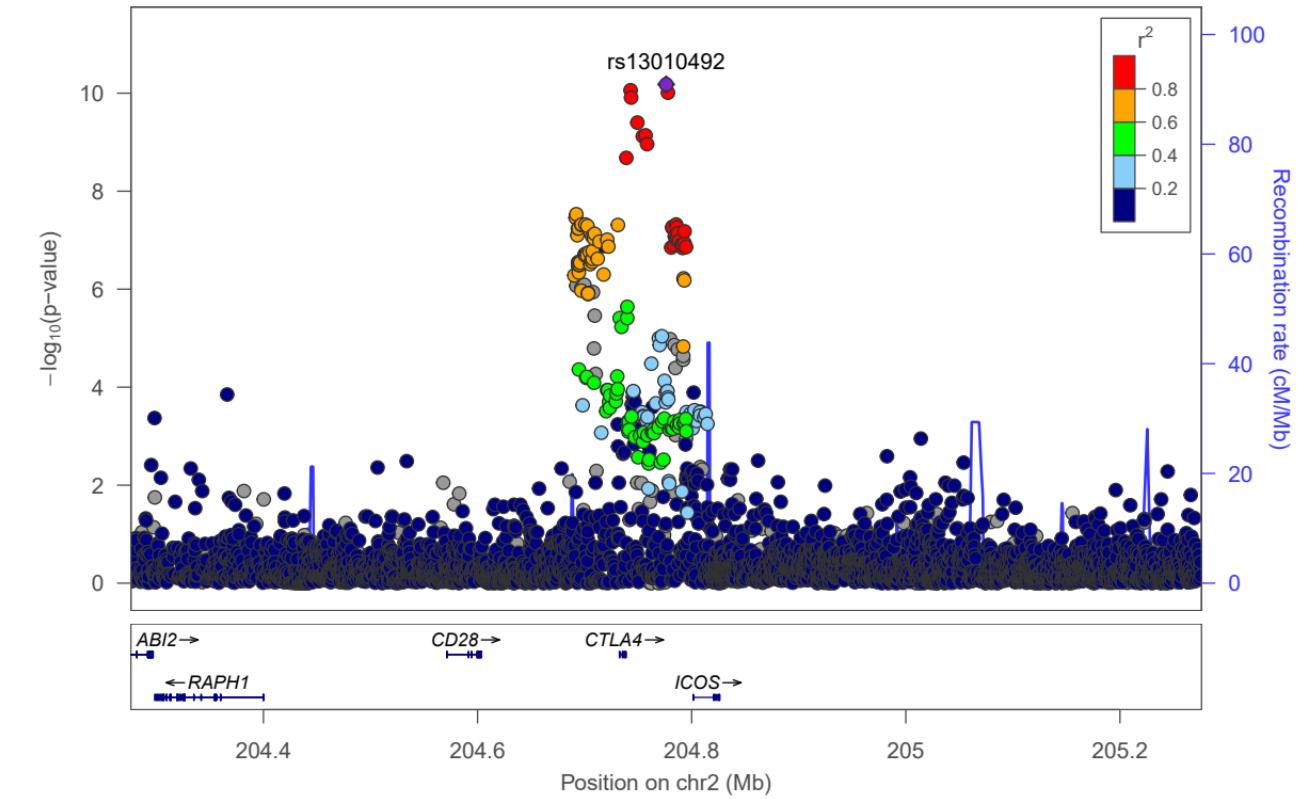
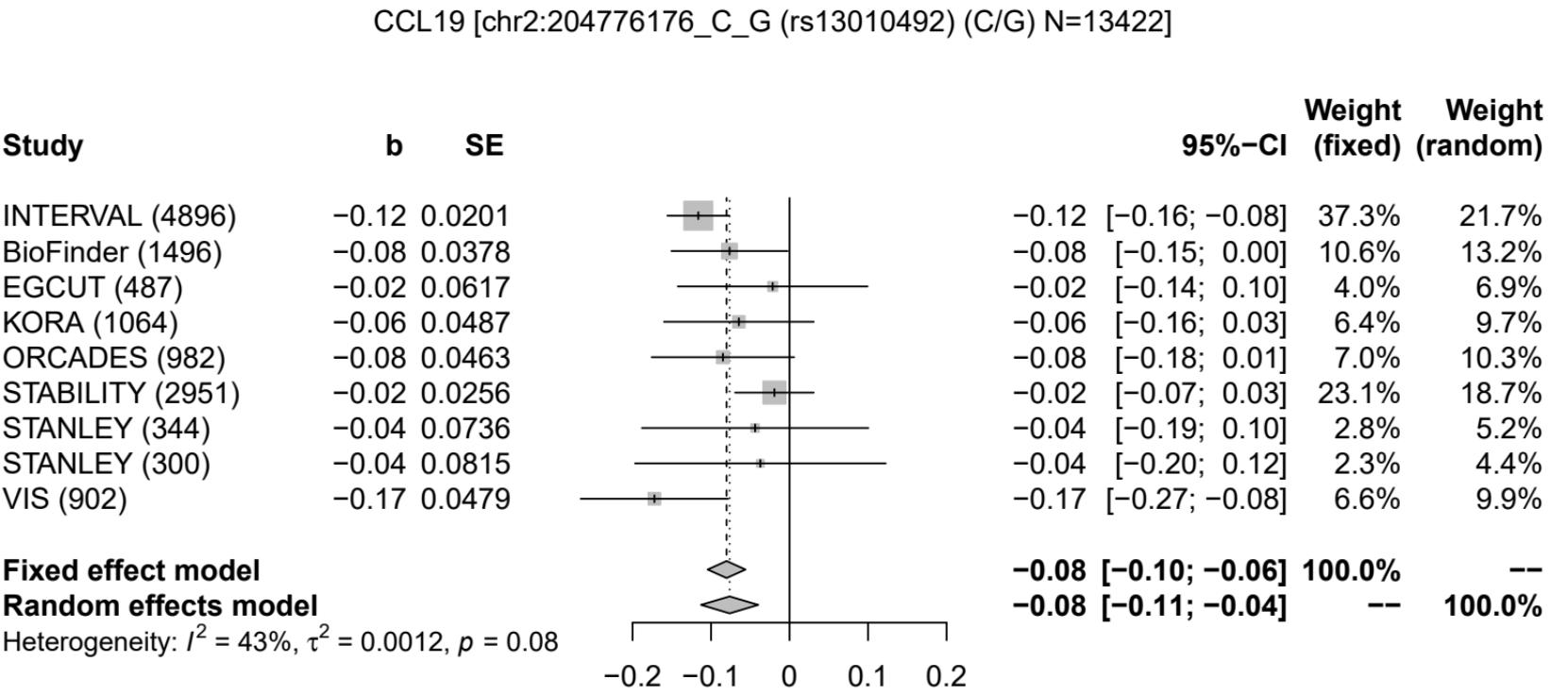
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.87$



CCL11 (CCL11)-rs757973

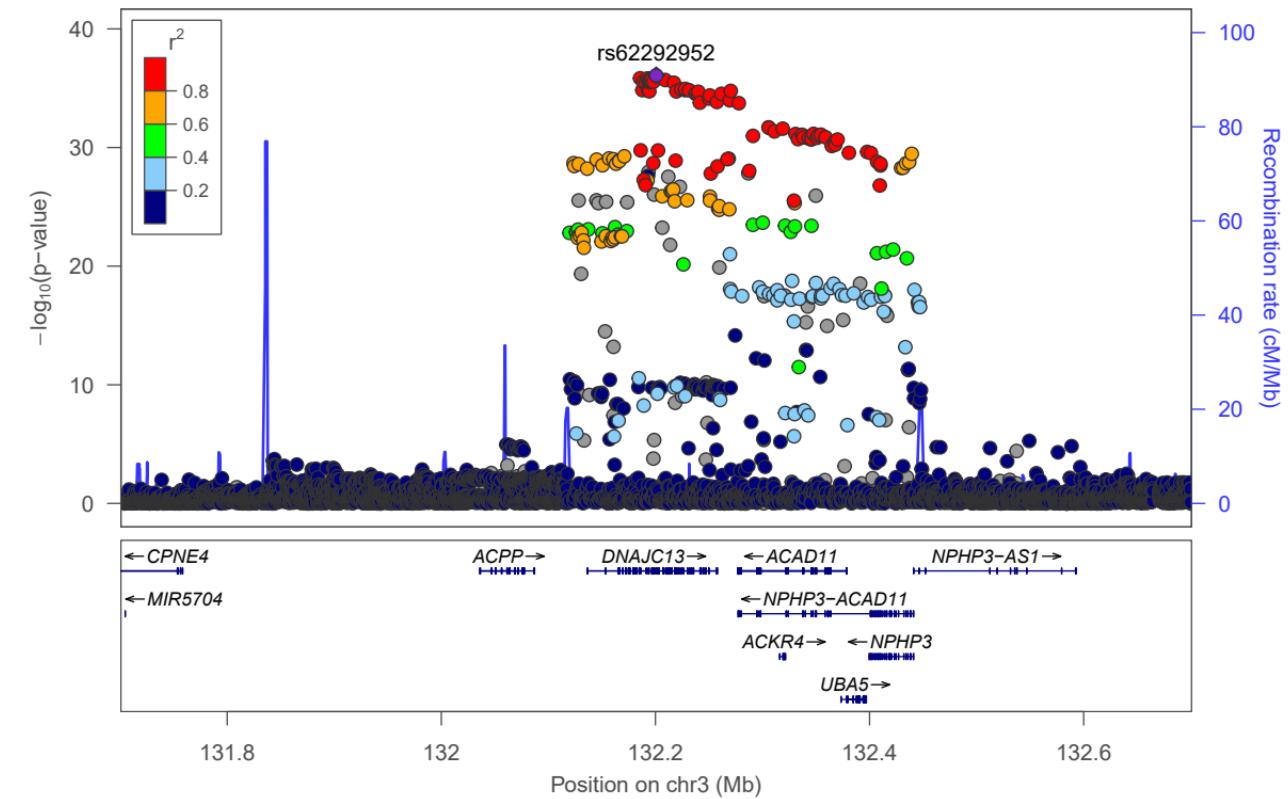
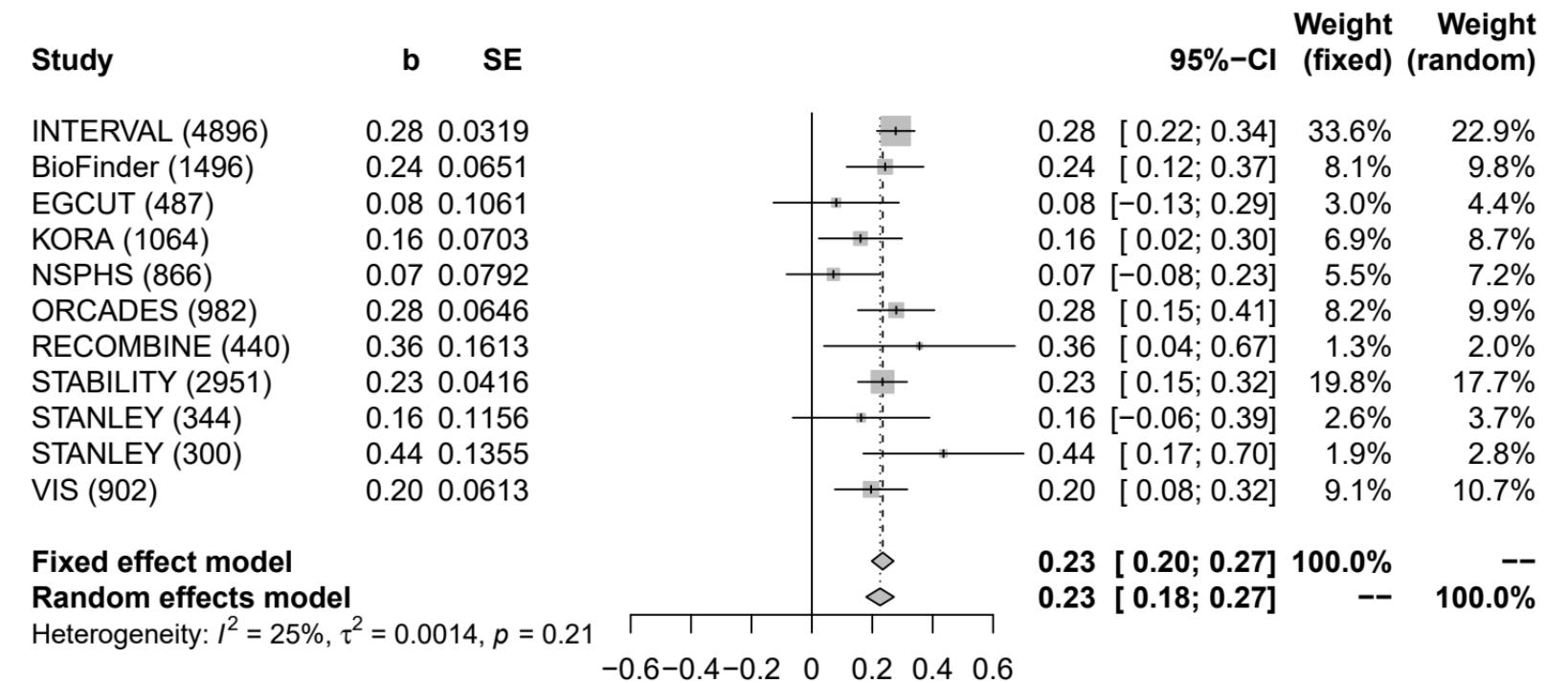


CCL19 (CCL19)-rs13010492

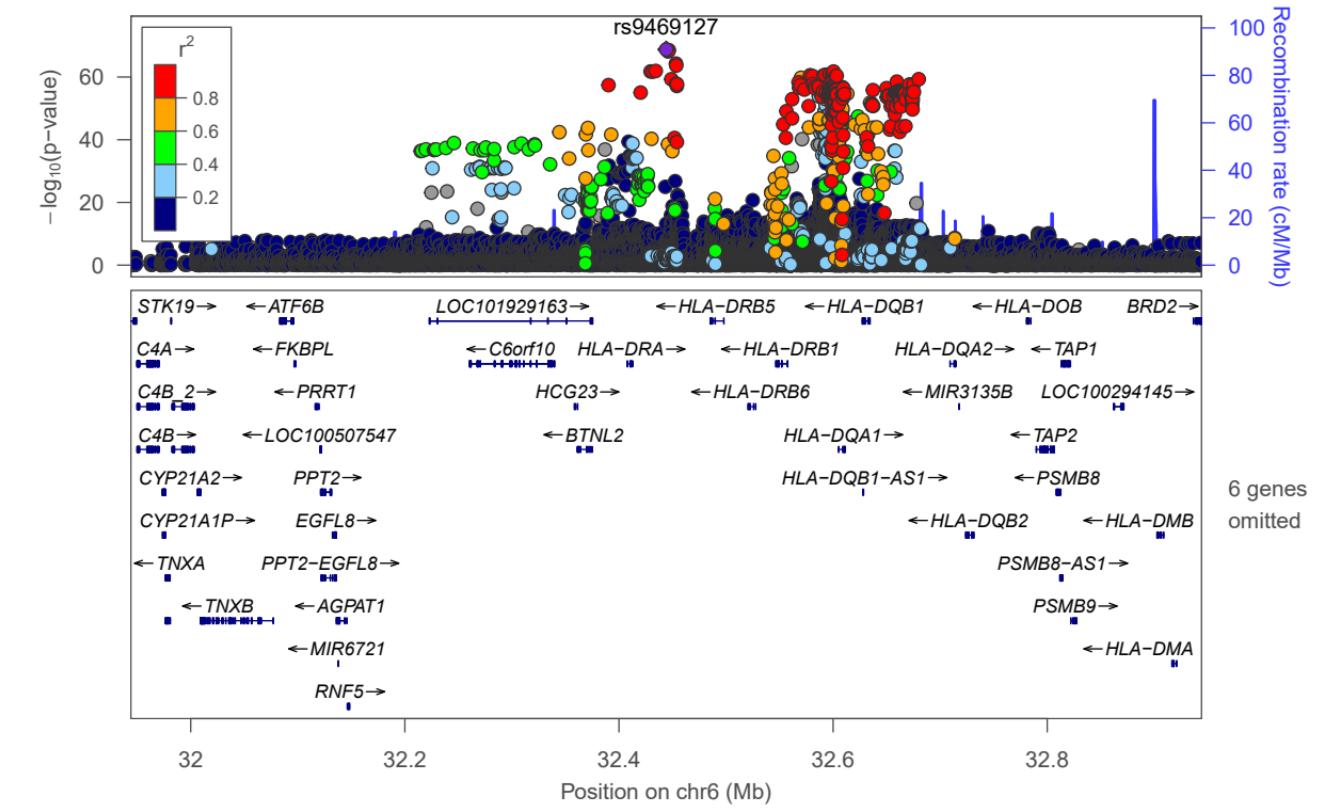
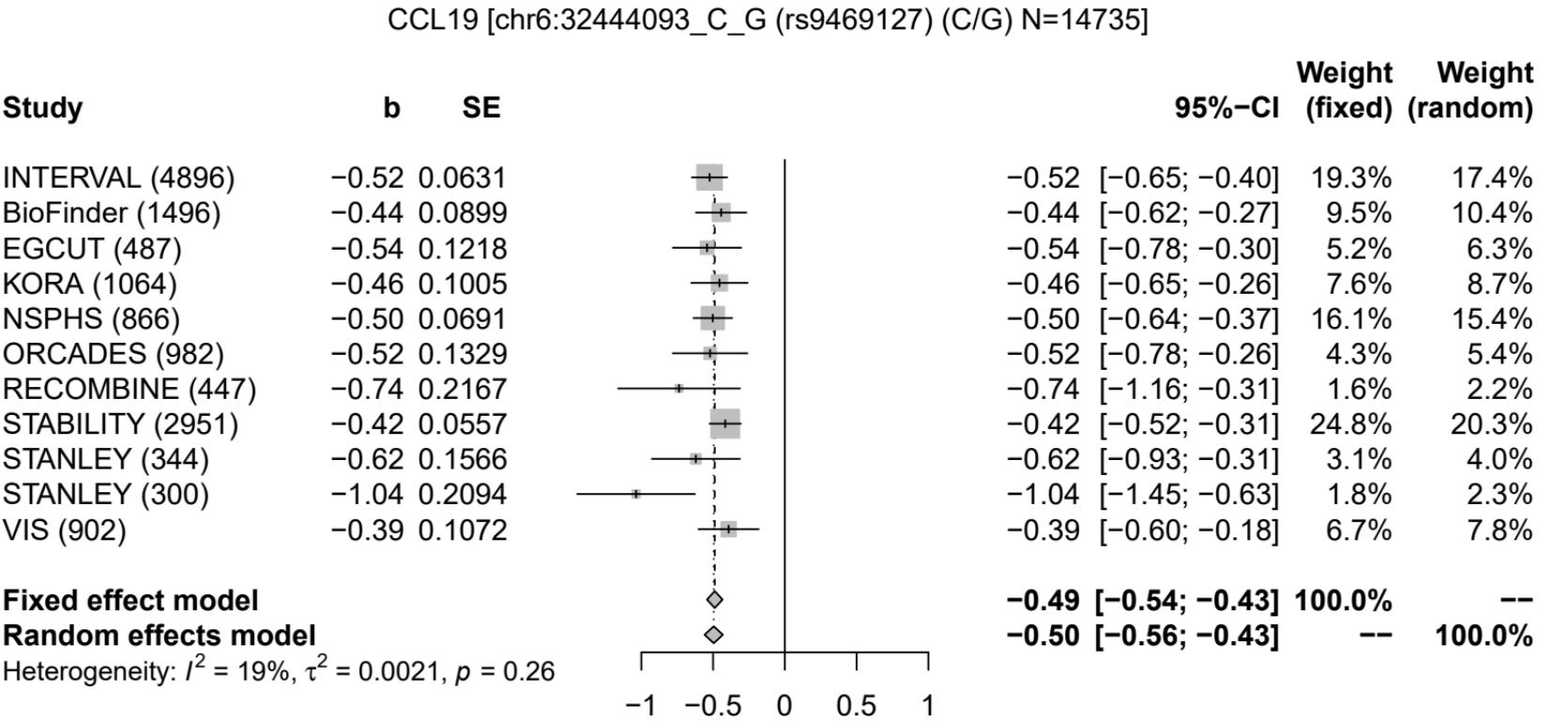


CCL19 (CCL19)-rs62292952

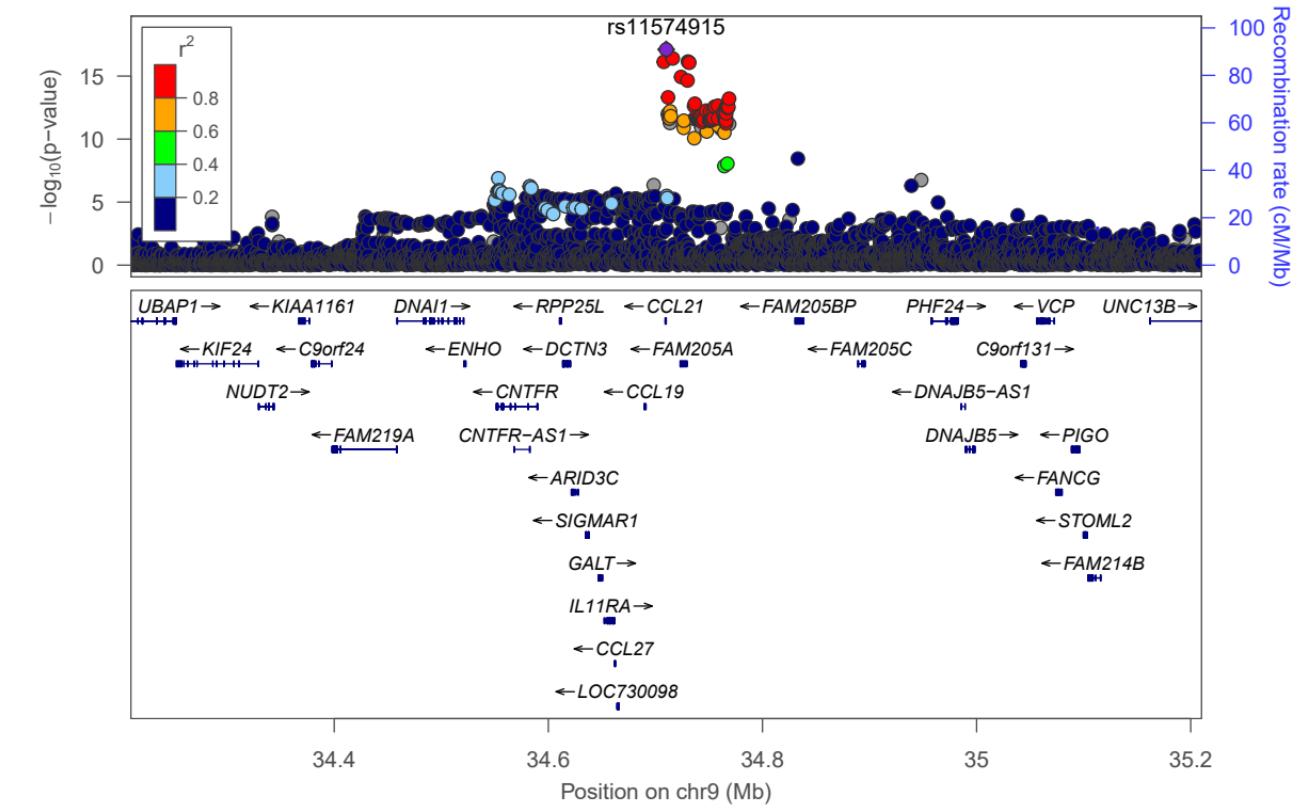
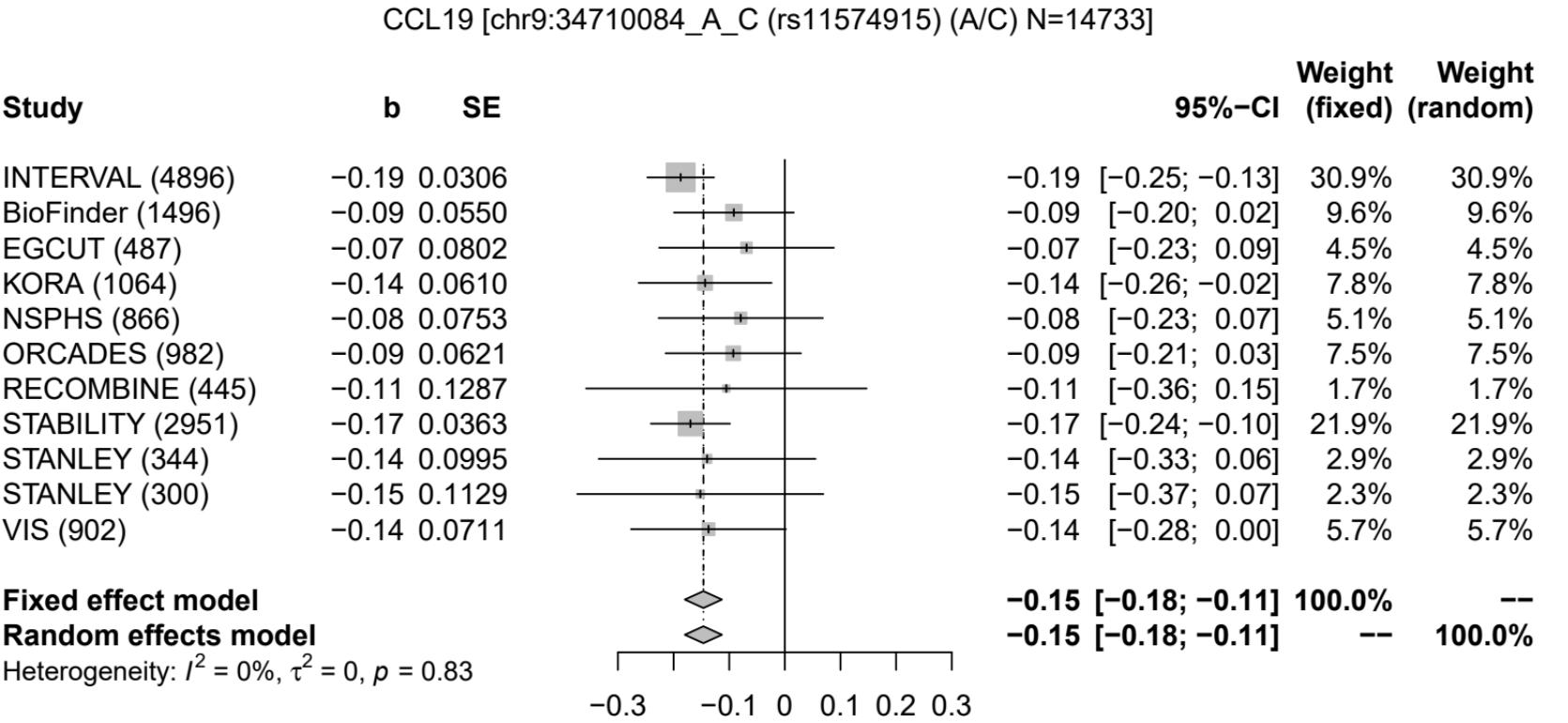
CCL19 [chr3:132200719_G_T (rs62292952) (T/G) N=14728]



CCL19 (CCL19)-rs9469127



CCL19 (CCL19)-rs11574915



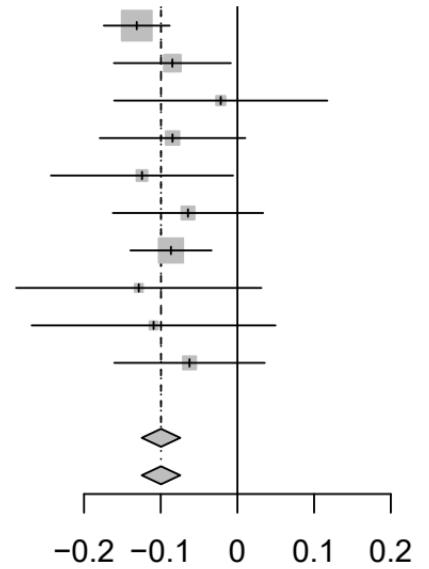
CCL20 (CCL20)-rs10207134

CCL20 [chr2:228661828_C_T (rs10207134) (T/C) N=14288]

Study

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

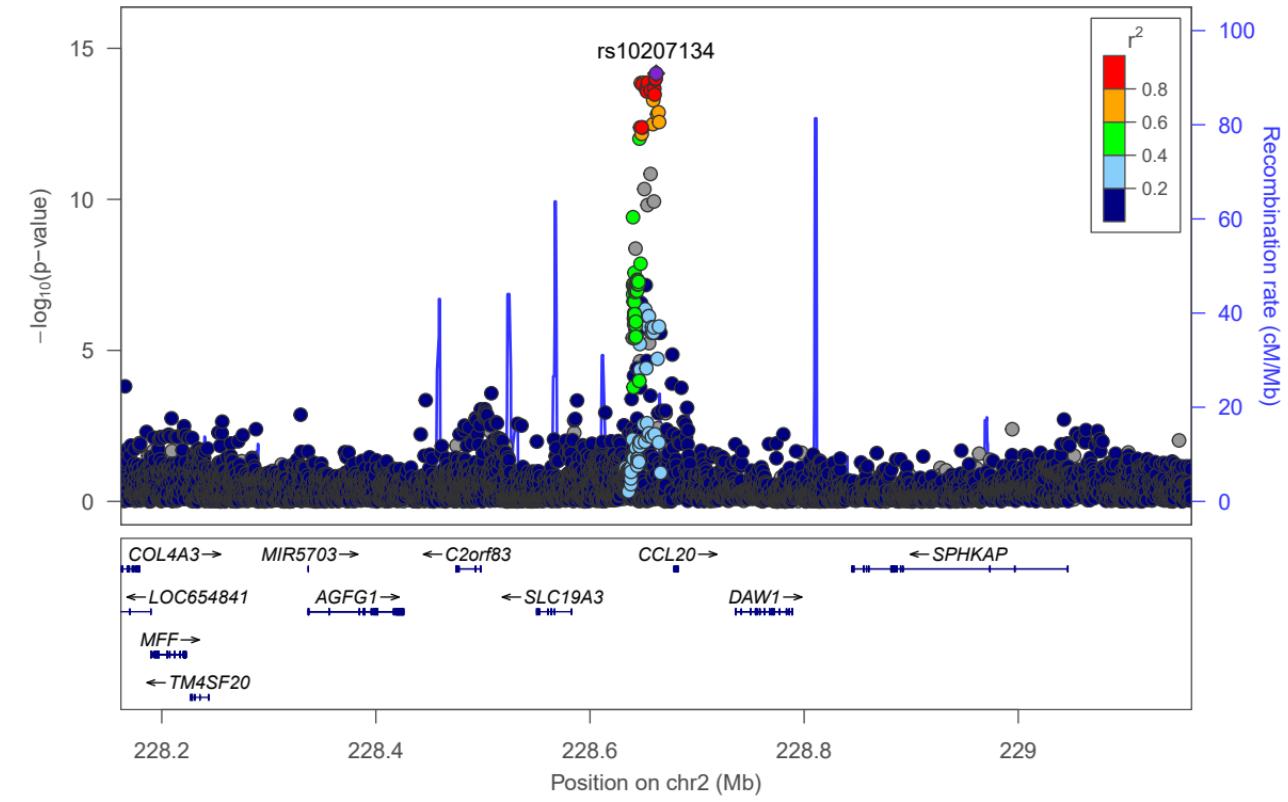
b SE



Fixed effect model
Random effects model

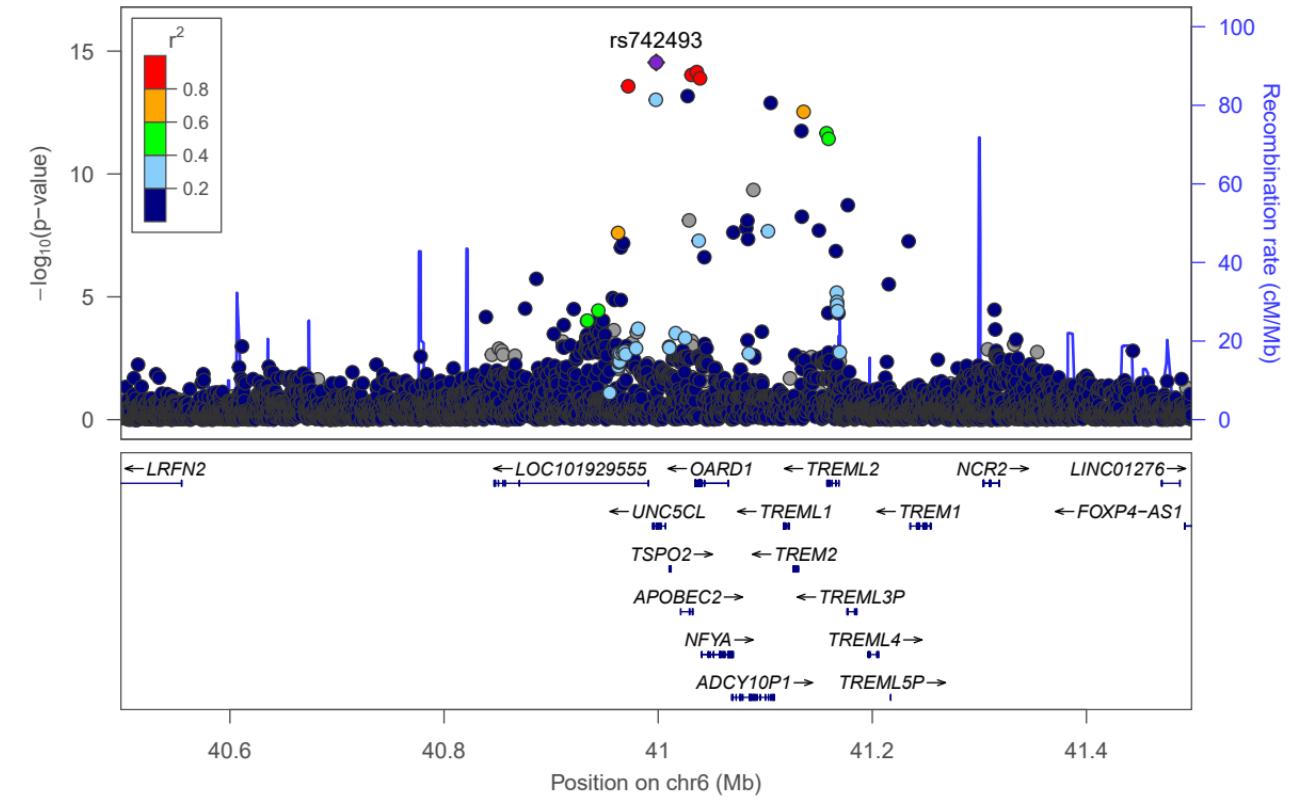
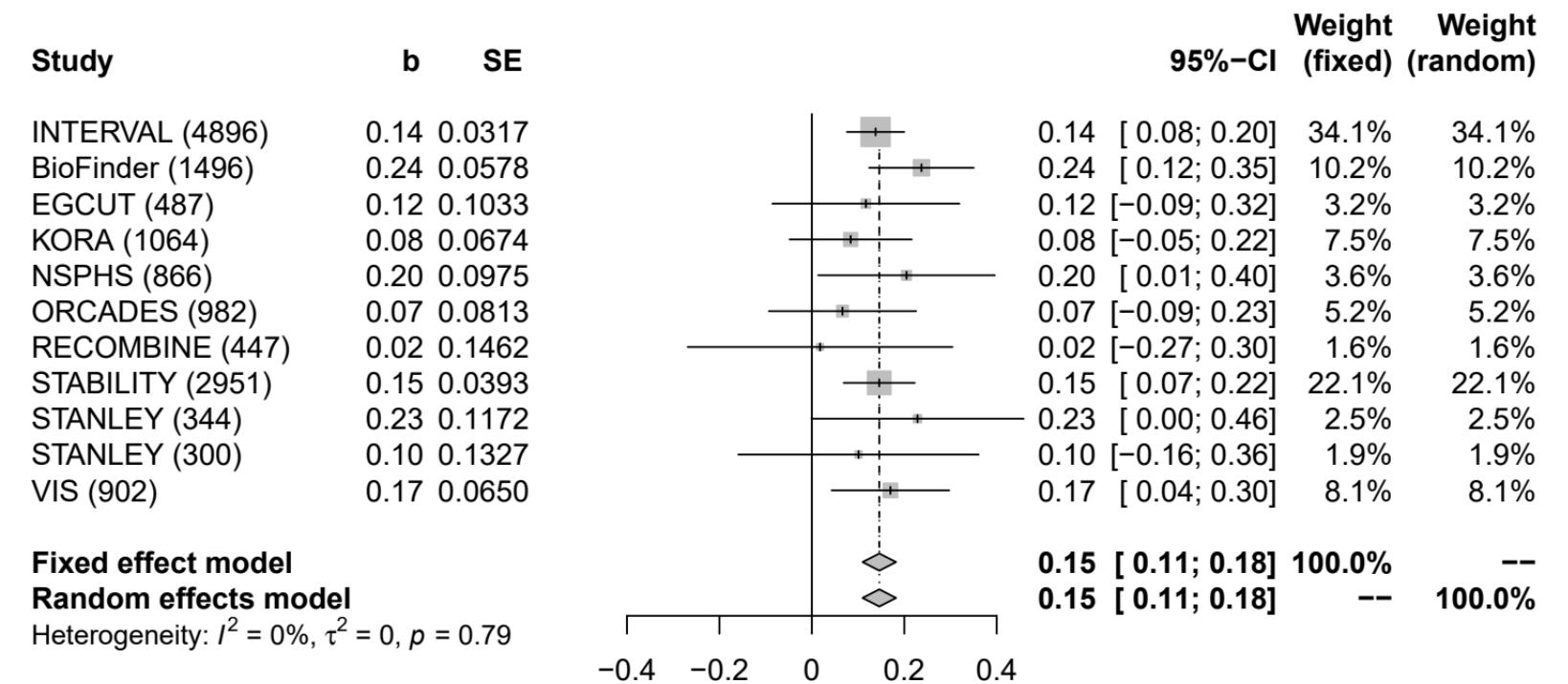
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.82$

		95%-CI	Weight (fixed)	Weight (random)
		-0.13 [-0.17; -0.09]	34.0%	34.0%
		-0.08 [-0.16; -0.01]	10.8%	10.8%
		-0.02 [-0.16; 0.12]	3.3%	3.3%
		-0.08 [-0.18; 0.01]	7.0%	7.0%
		-0.12 [-0.24; -0.01]	4.5%	4.5%
		-0.06 [-0.16; 0.03]	6.5%	6.5%
		-0.09 [-0.14; -0.03]	22.5%	22.5%
		-0.13 [-0.29; 0.03]	2.5%	2.5%
		-0.11 [-0.27; 0.05]	2.5%	2.5%
		-0.06 [-0.16; 0.04]	6.5%	6.5%
		-0.10 [-0.12; -0.07]	100.0%	--
		-0.10 [-0.12; -0.07]	--	100.0%

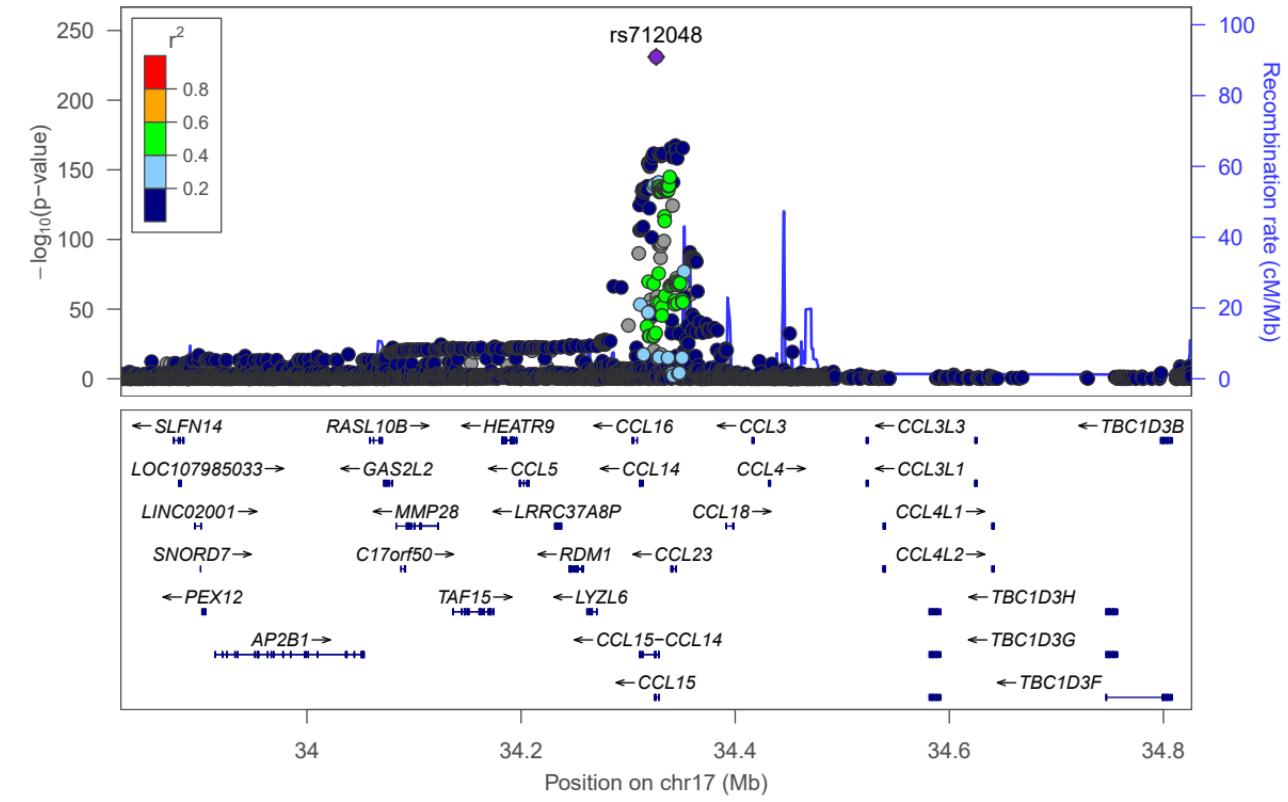
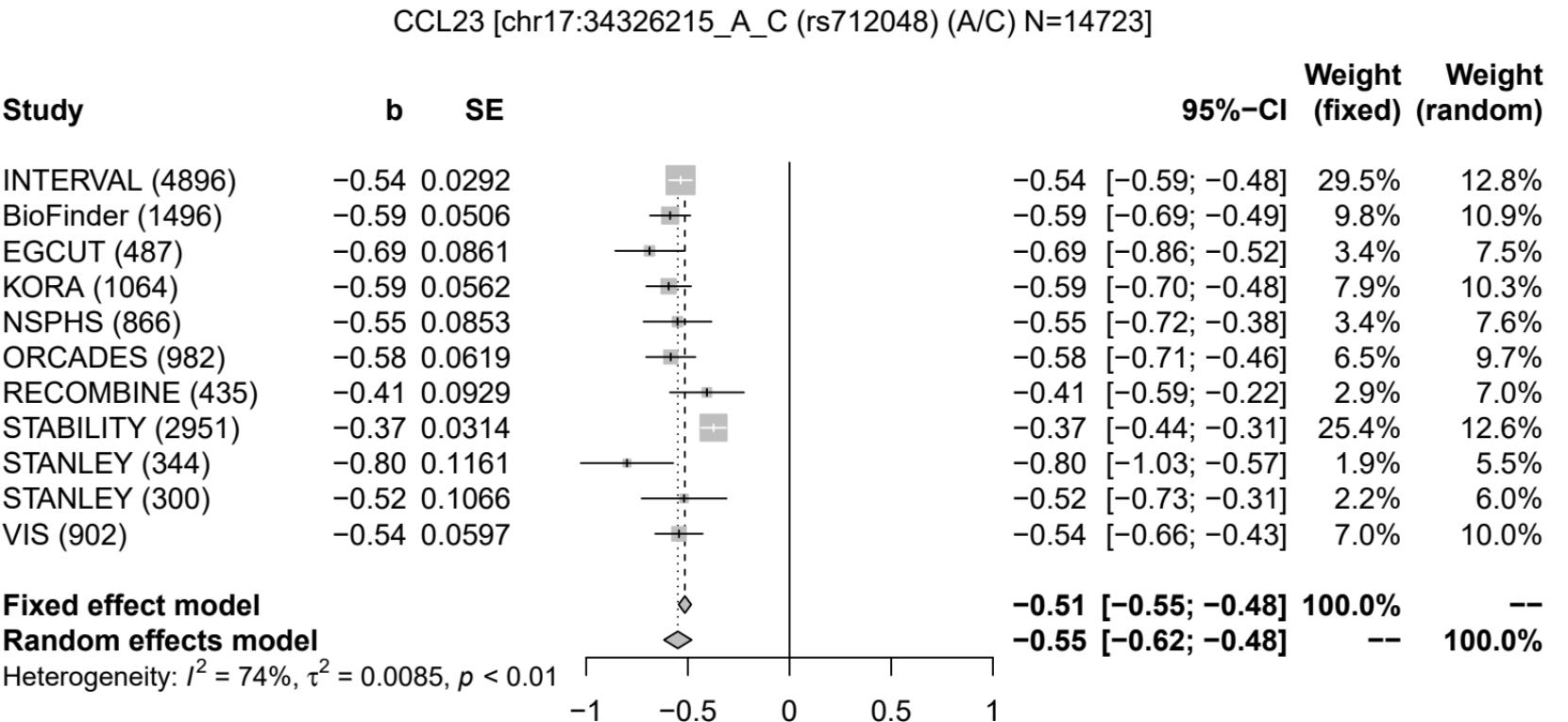


CCL20 (CCL20)-rs742493

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

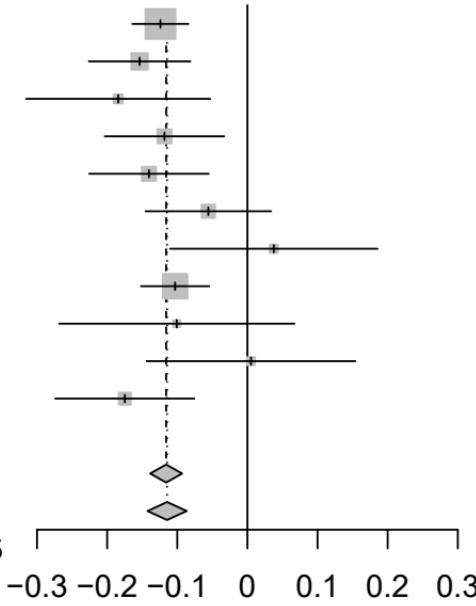


CCL23 (CCL23)-rs712048

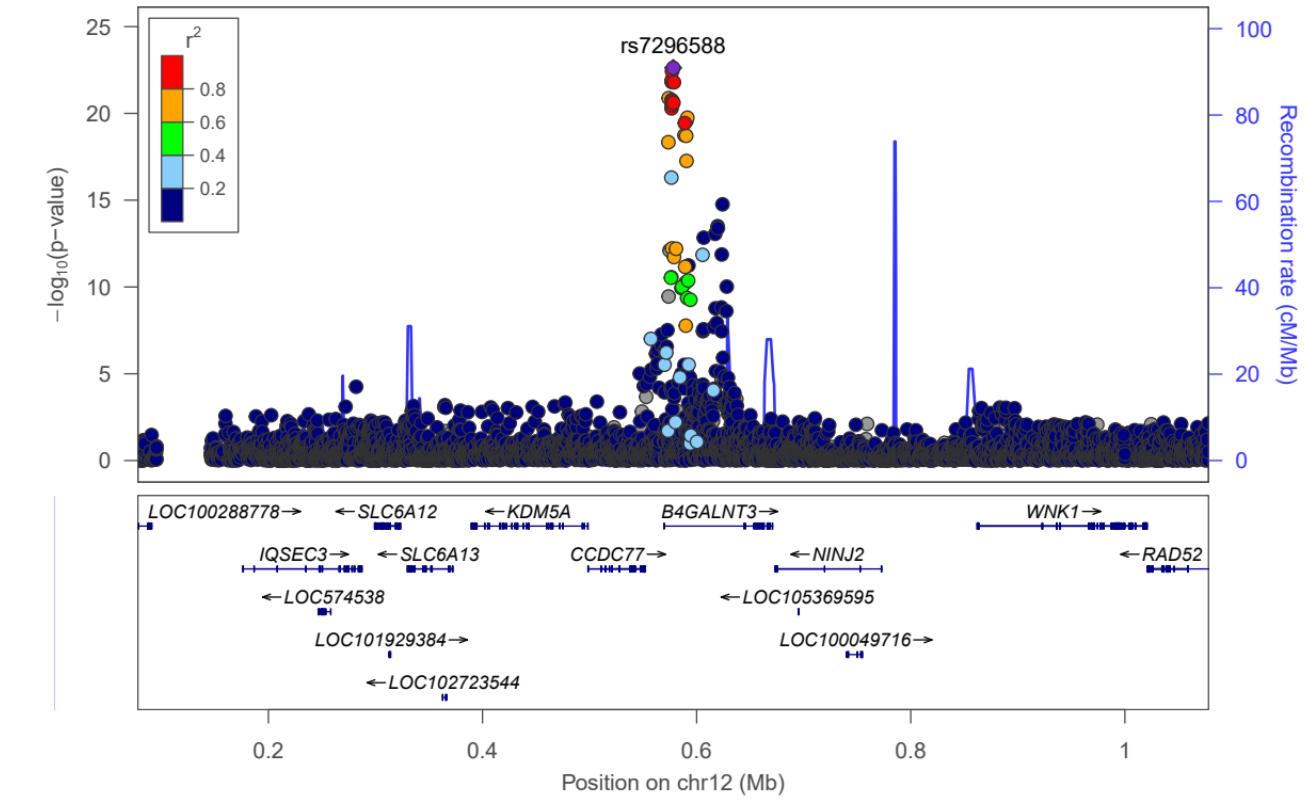


Study

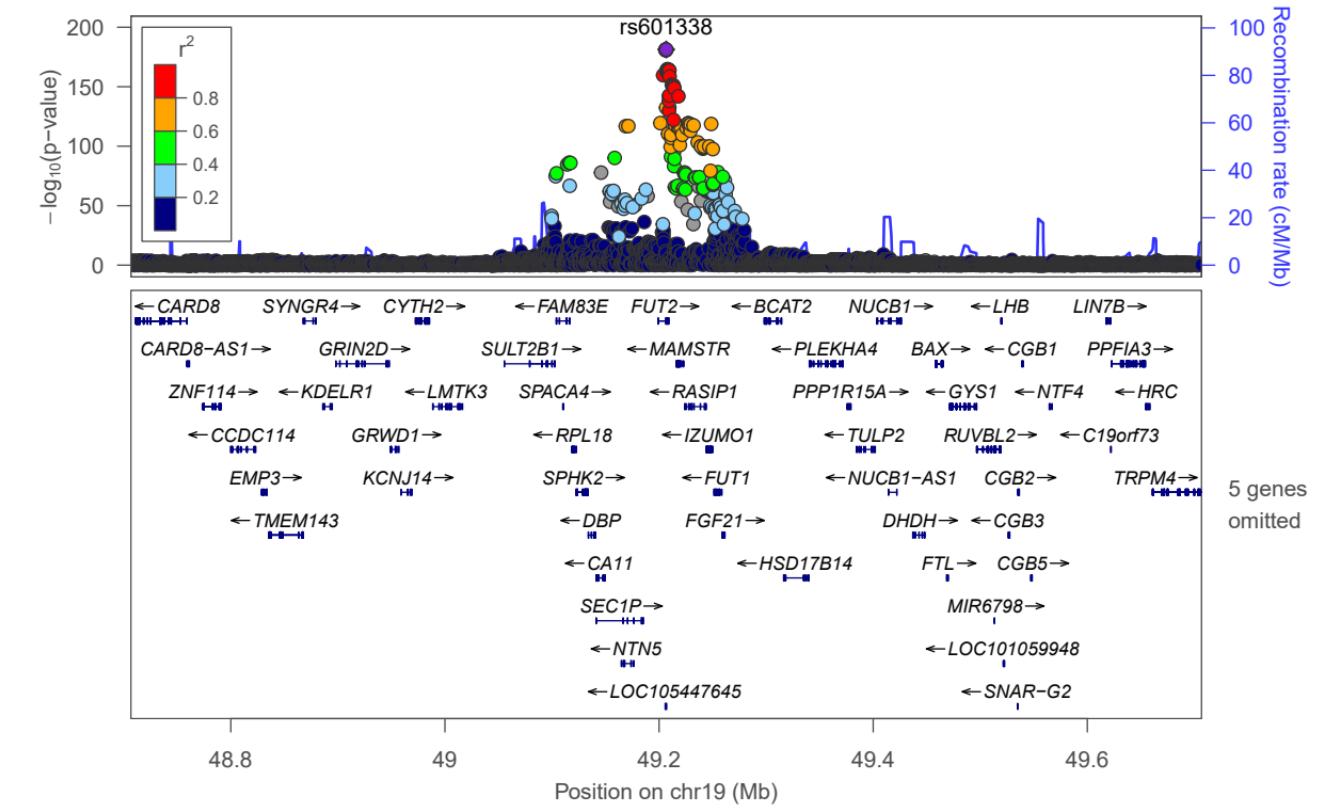
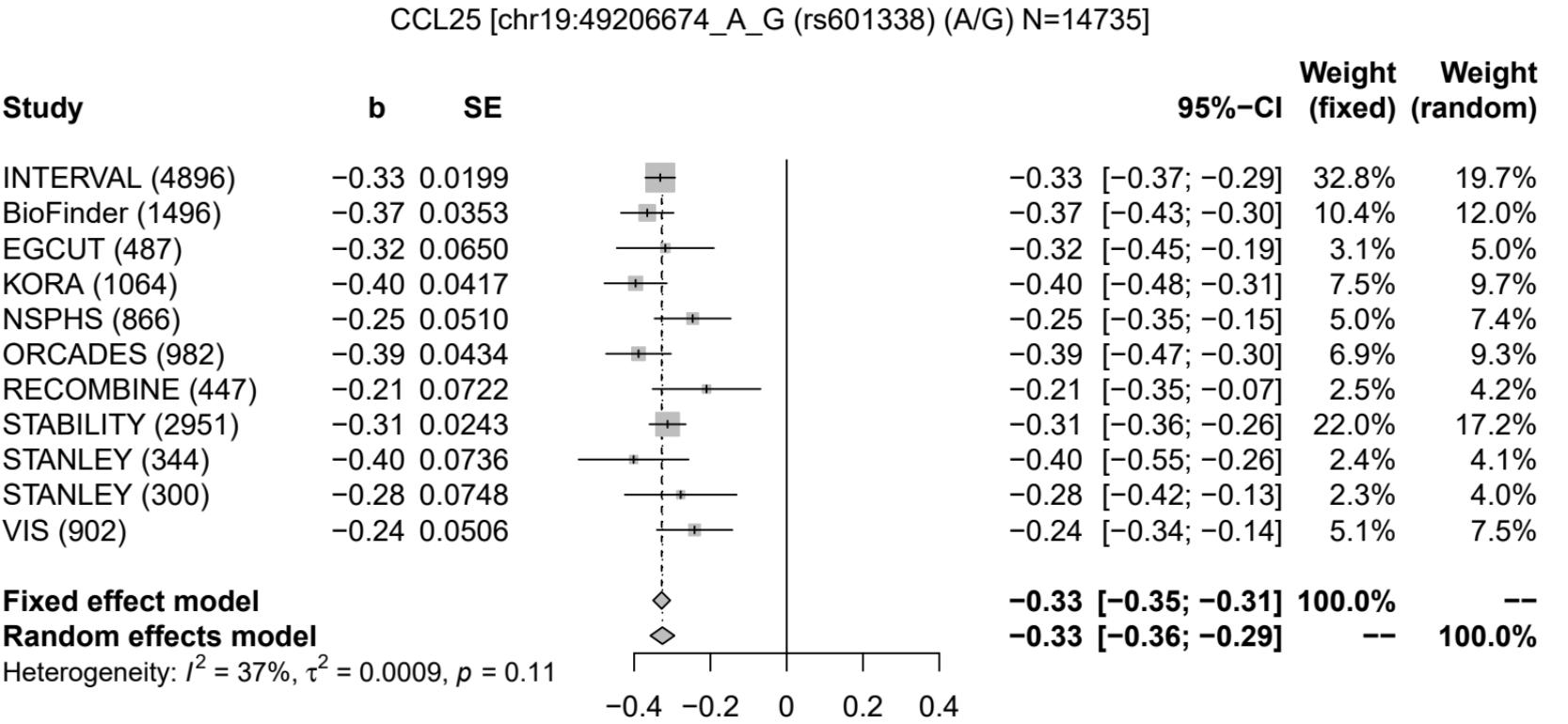
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (438)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

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

			Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	32.5%	23.8%
		-0.15 [-0.23; -0.08]	9.9%	11.3%
		-0.18 [-0.32; -0.05]	3.0%	4.1%
		-0.12 [-0.20; -0.03]	7.2%	8.7%
		-0.14 [-0.23; -0.06]	7.2%	8.7%
		-0.06 [-0.15; 0.03]	6.5%	8.0%
		0.04 [-0.11; 0.19]	2.4%	3.3%
		-0.10 [-0.15; -0.05]	21.9%	19.3%
		-0.10 [-0.27; 0.07]	1.8%	2.6%
		0.01 [-0.14; 0.15]	2.3%	3.3%
		-0.17 [-0.27; -0.08]	5.3%	6.8%
	Fixed effect model	-0.12 [-0.14; -0.09]	100.0%	--
	Random effects model	-0.11 [-0.14; -0.09]	--	100.0%

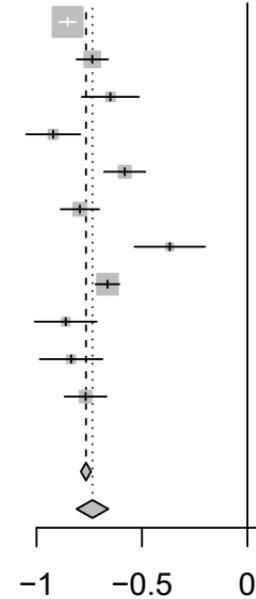
Heterogeneity: $I^2 = 21\%$, $\tau^2 = 0.0004$, $p = 0.25$ **CCL25 (CCL25)-rs7296588**

CCL25 (CCL25)-rs601338

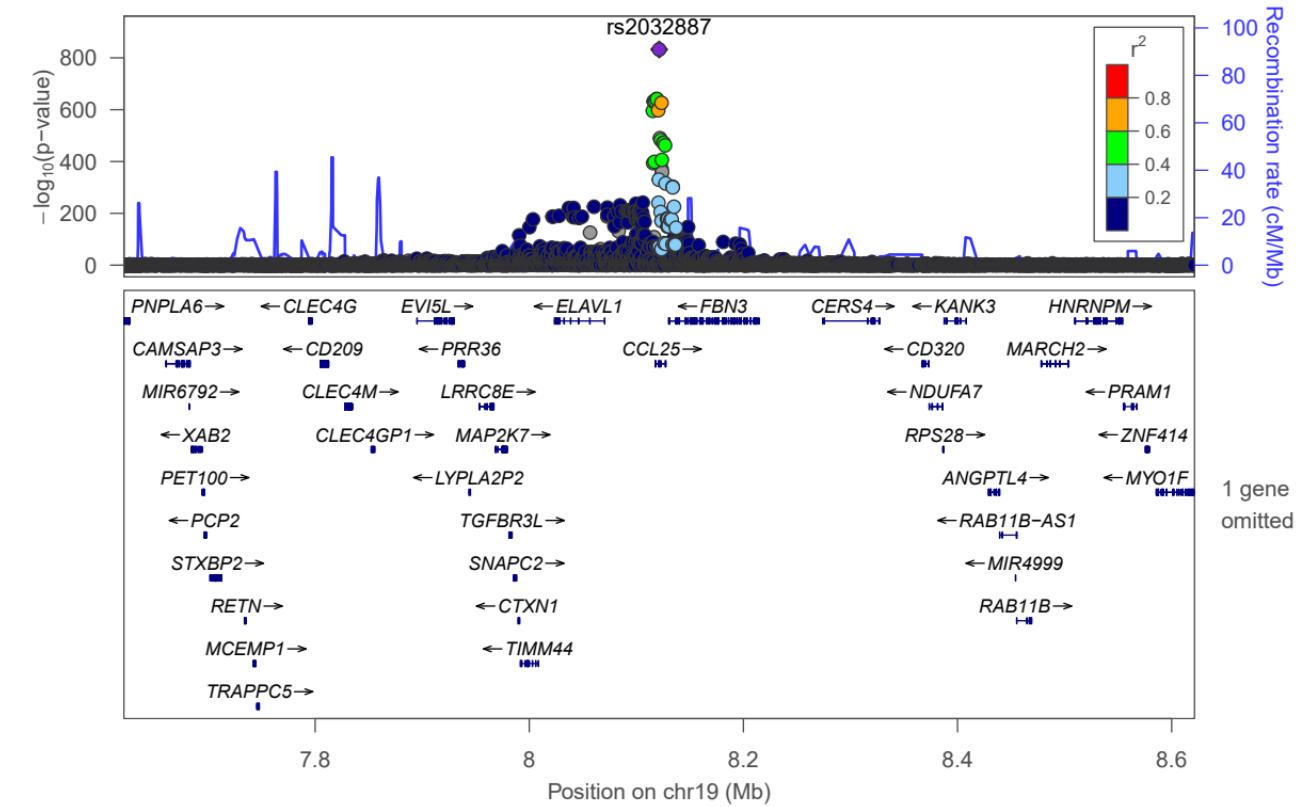


Study

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]**b** **SE**

		95%-CI	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%

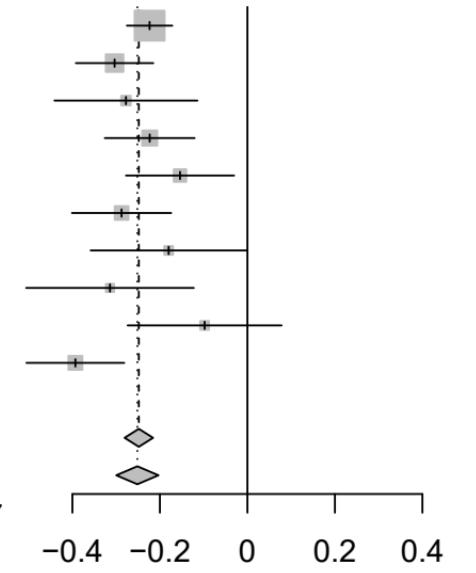
Fixed effect model**Random effects model**Heterogeneity: $I^2 = 87\%$, $\tau^2 = 0.0132$, $p < 0.01$ **CCL25 (CCL25)-rs2032887**

CCL25 [chr9:136155000_C_T (rs635634) (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)

b SE



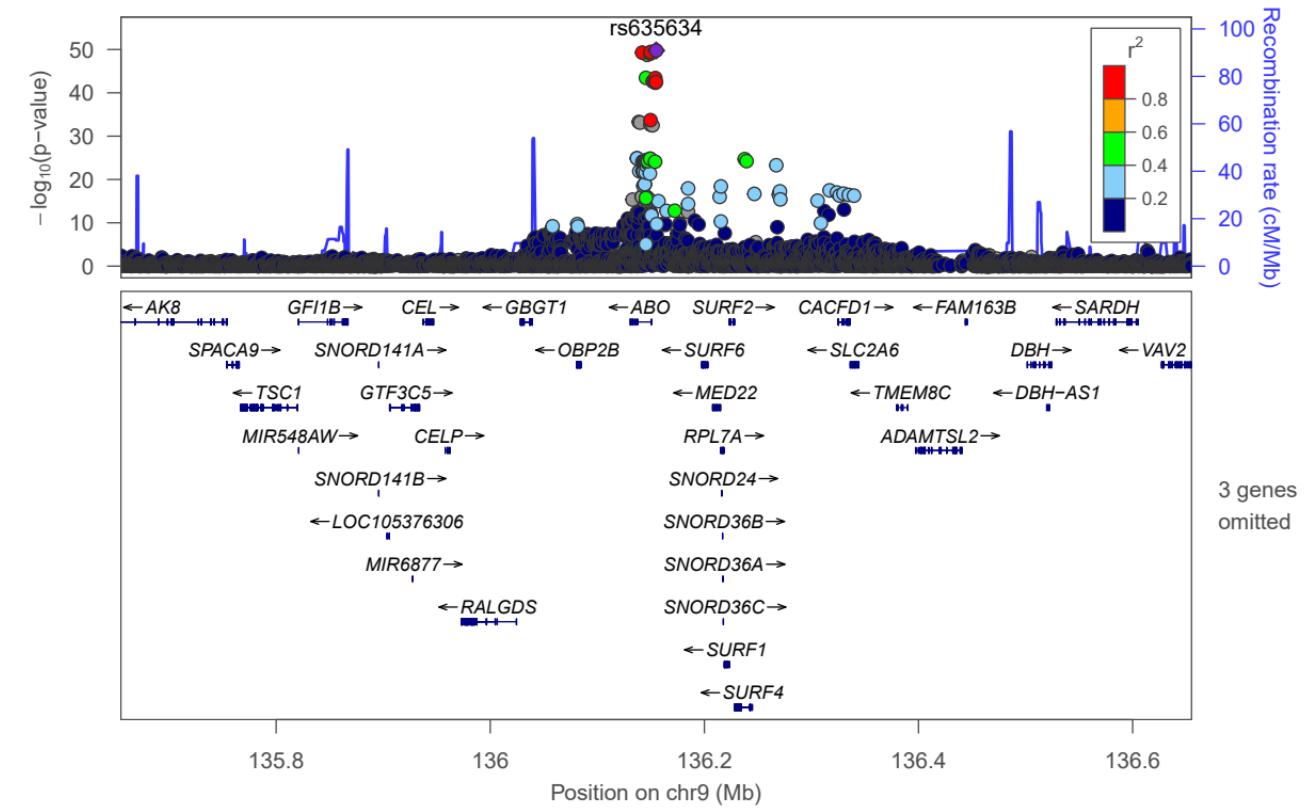
Fixed effect model

Random effects model

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

		95%-CI	Weight (fixed)	Weight (random)
		-0.22 [-0.28; -0.17]	39.2%	20.0%
		-0.30 [-0.39; -0.22]	13.5%	13.9%
		-0.28 [-0.44; -0.11]	4.0%	6.5%
		-0.22 [-0.33; -0.12]	10.0%	11.9%
		-0.15 [-0.28; -0.03]	6.9%	9.6%
		-0.29 [-0.40; -0.17]	8.2%	10.7%
		-0.18 [-0.36; 0.00]	3.3%	5.7%
		-0.31 [-0.51; -0.12]	2.9%	5.1%
		-0.10 [-0.27; 0.08]	3.4%	5.8%
		-0.39 [-0.51; -0.28]	8.5%	10.8%
		-0.25 [-0.28; -0.22]	100.0%	--
		-0.25 [-0.30; -0.20]	--	100.0%

CCL25 (CCL25)-rs635634

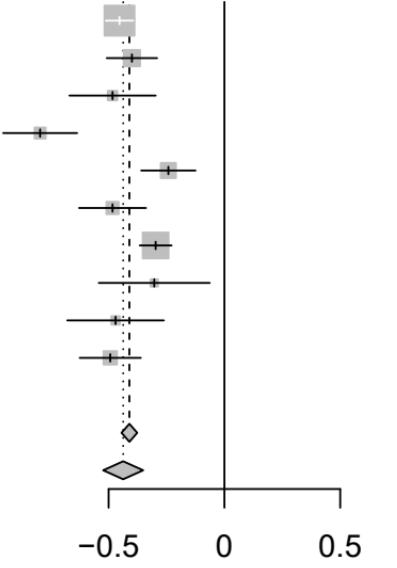


Study

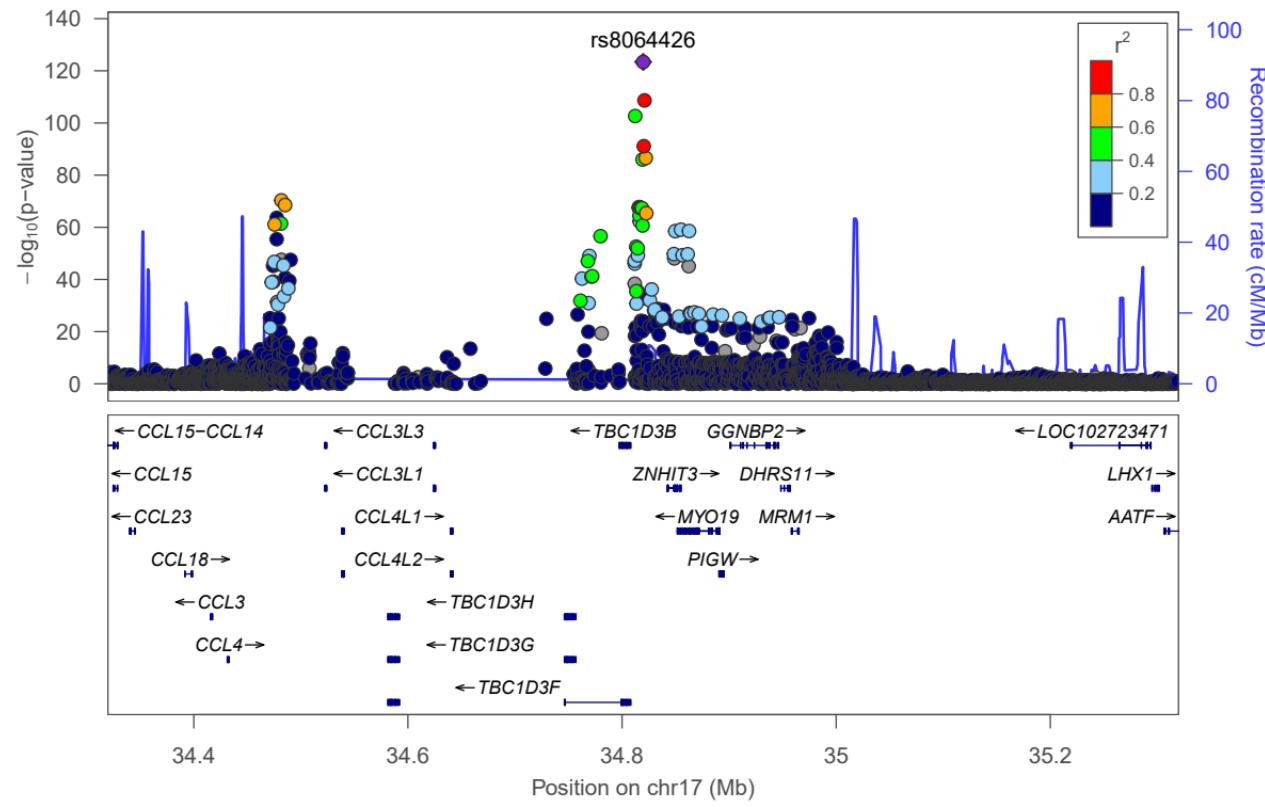
	b	SE
INTERVAL (4896)	-0.45	0.0302
BioFinder (1496)	-0.40	0.0555
EGCUT (487)	-0.48	0.0950
KORA (1064)	-0.80	0.0816
NSPHS (874)	-0.24	0.0599
ORCADES (982)	-0.48	0.0738
STABILITY (2951)	-0.30	0.0351
STANLEY (344)	-0.30	0.1223
STANLEY (300)	-0.47	0.1064
VIS (902)	-0.49	0.0673

Fixed effect model
Random effects model

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

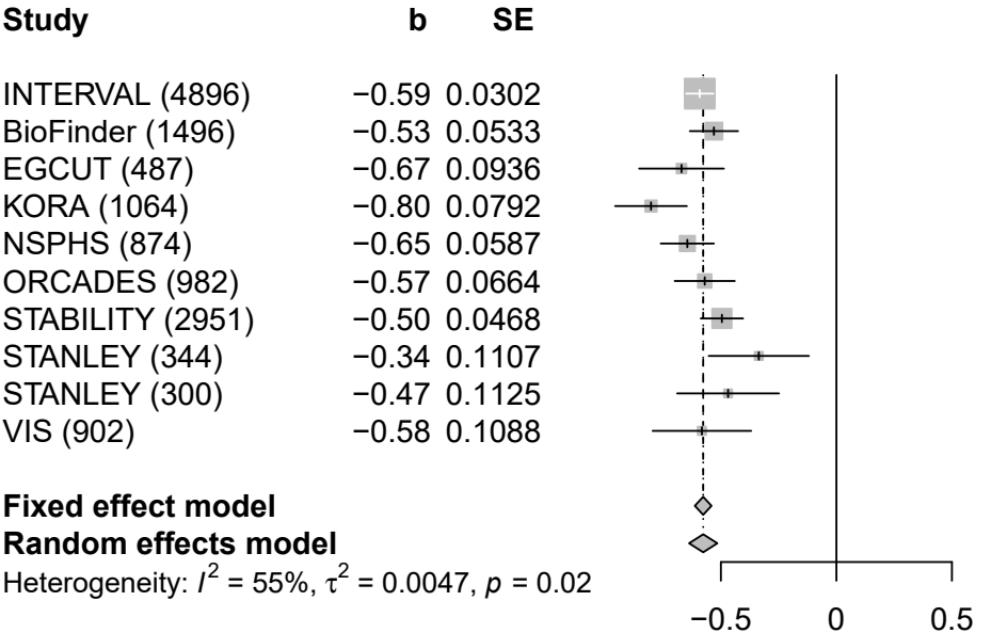
CCL4 [chr17:34819750_A_G (rs8064426) (A/G) N=14296]

	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%

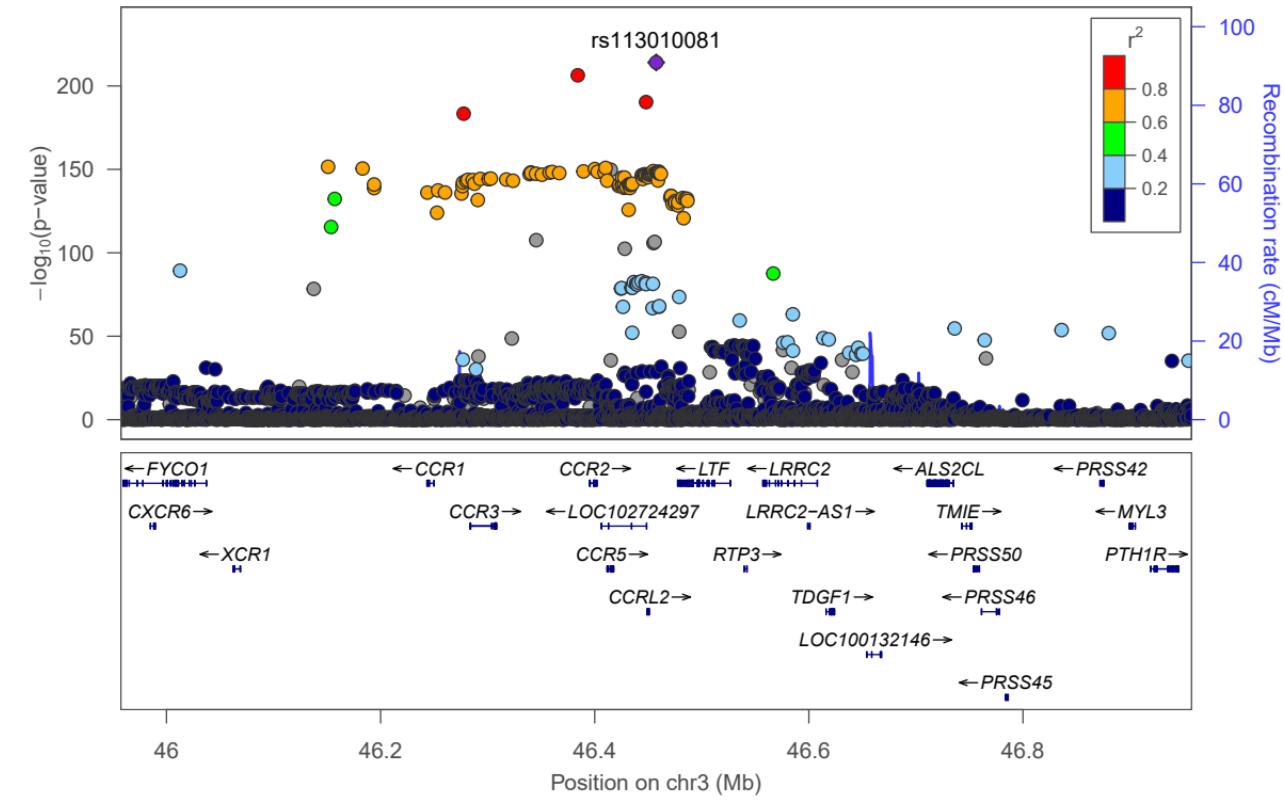
CCL4 (CCL4)-rs8064426

CCL4 (CCL4)-rs113010081

CCL4 [chr3:46457412_C_T (rs113010081) (T/C) N=14296]



		95%-CI	Weight (fixed)	Weight (random)
		-0.59 [-0.65; -0.53]	37.3%	17.2%
		-0.53 [-0.63; -0.43]	12.0%	12.9%
		-0.67 [-0.85; -0.49]	3.9%	7.2%
		-0.80 [-0.96; -0.65]	5.4%	8.8%
		-0.65 [-0.76; -0.53]	9.8%	11.9%
		-0.57 [-0.70; -0.44]	7.7%	10.7%
		-0.50 [-0.59; -0.40]	15.5%	14.1%
		-0.34 [-0.55; -0.12]	2.8%	5.7%
		-0.47 [-0.69; -0.25]	2.7%	5.6%
		-0.58 [-0.80; -0.37]	2.9%	5.9%
		-0.58 [-0.61; -0.54]	100.0%	--
		-0.58 [-0.64; -0.52]	--	100.0%



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

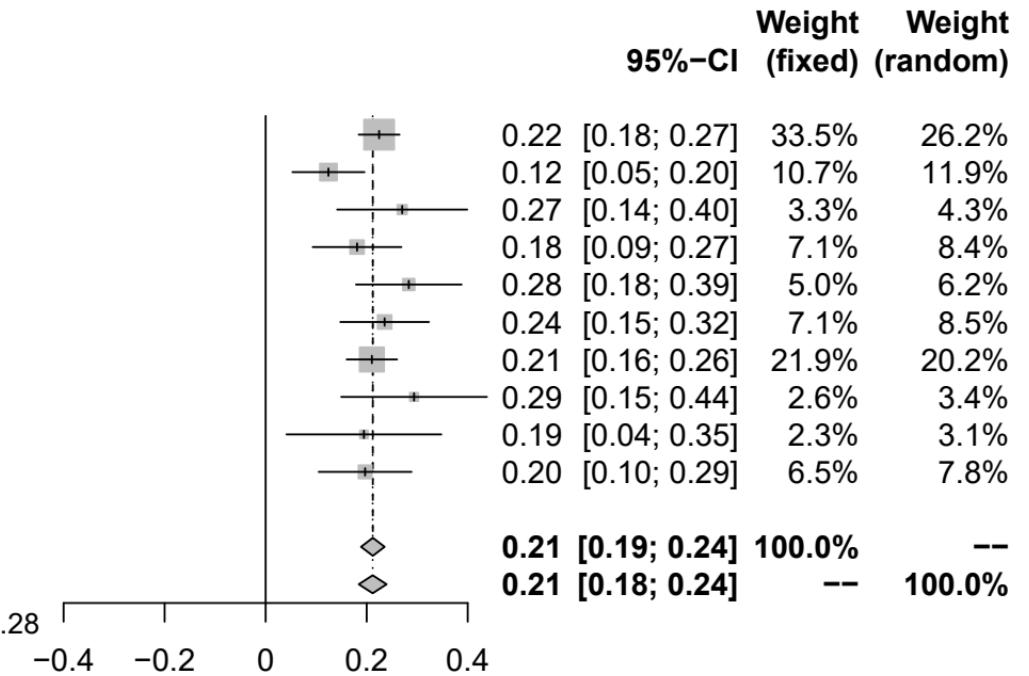
Study

	b	SE
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

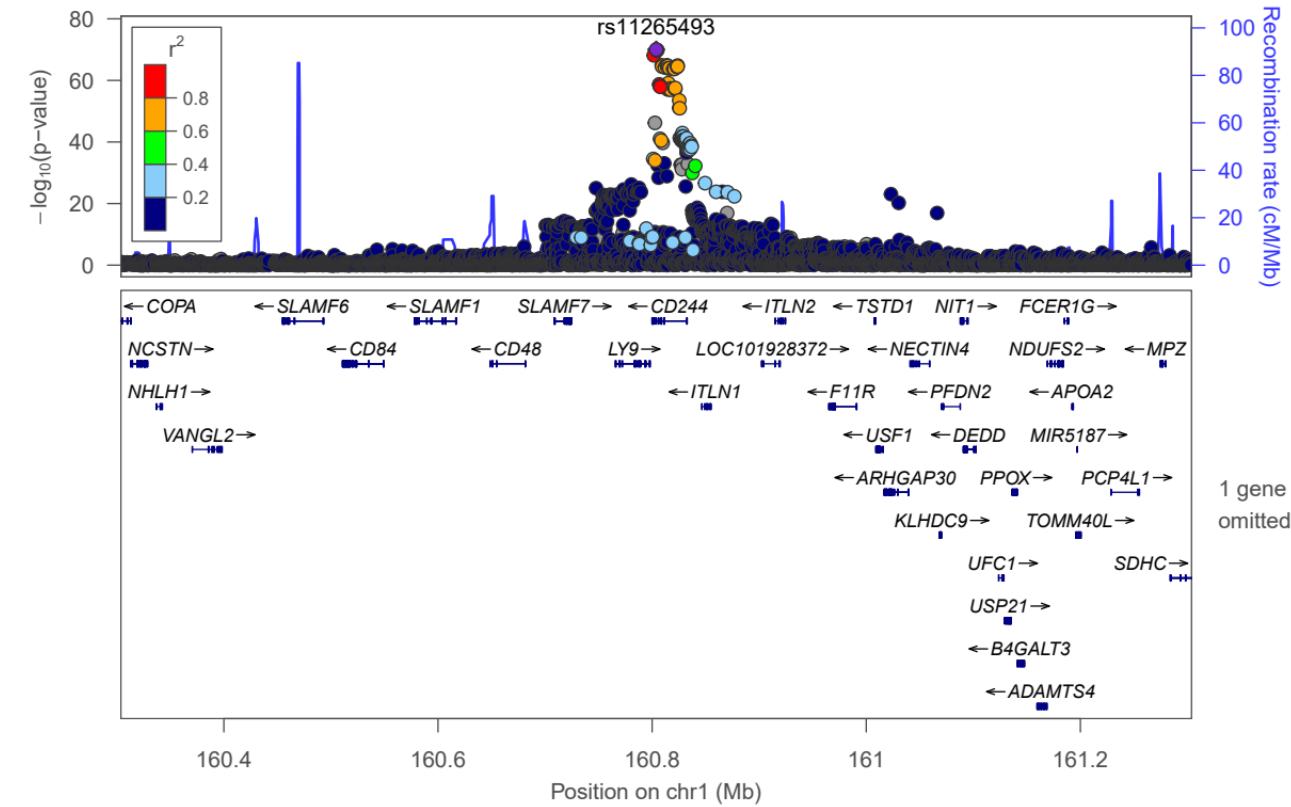
Fixed effect model

Random effects model

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



CD244 (CD244)-rs11265493



CD244 (CD244)-rs3184504

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

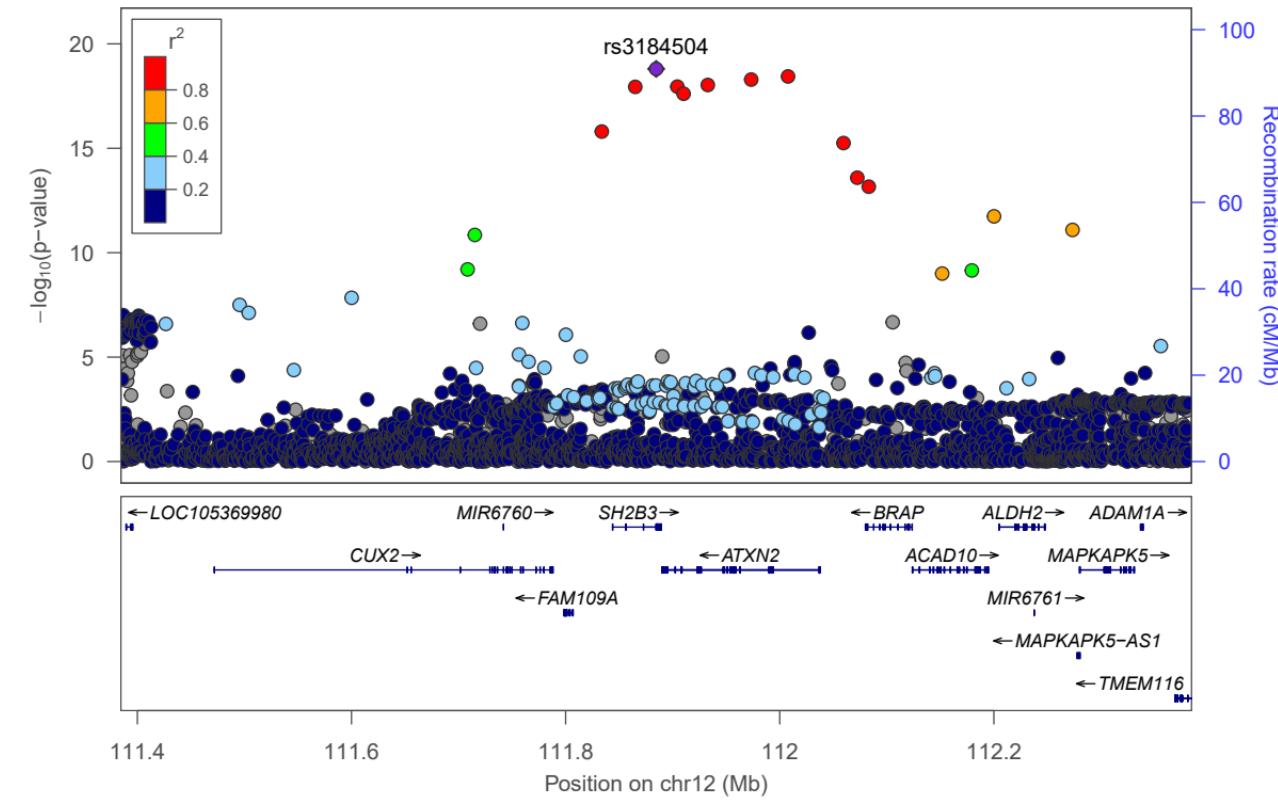
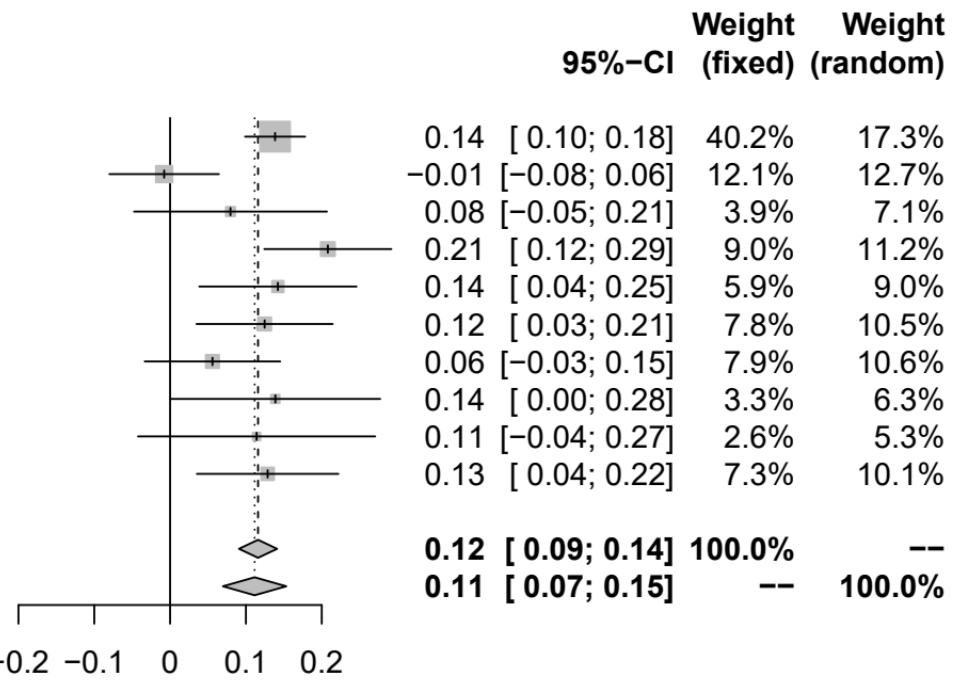
Study

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

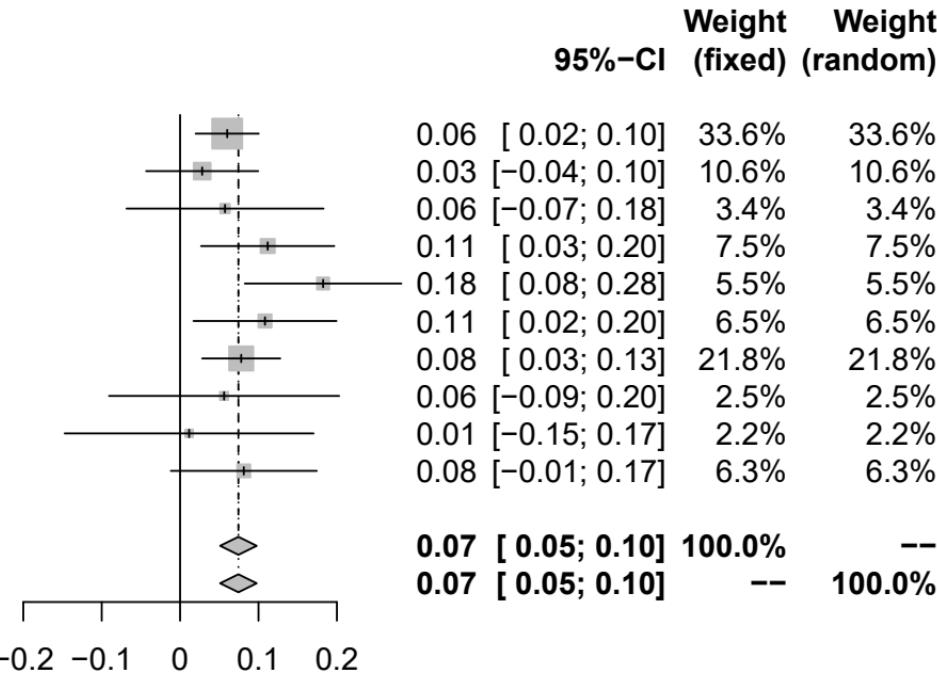
Study

	b	SE
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

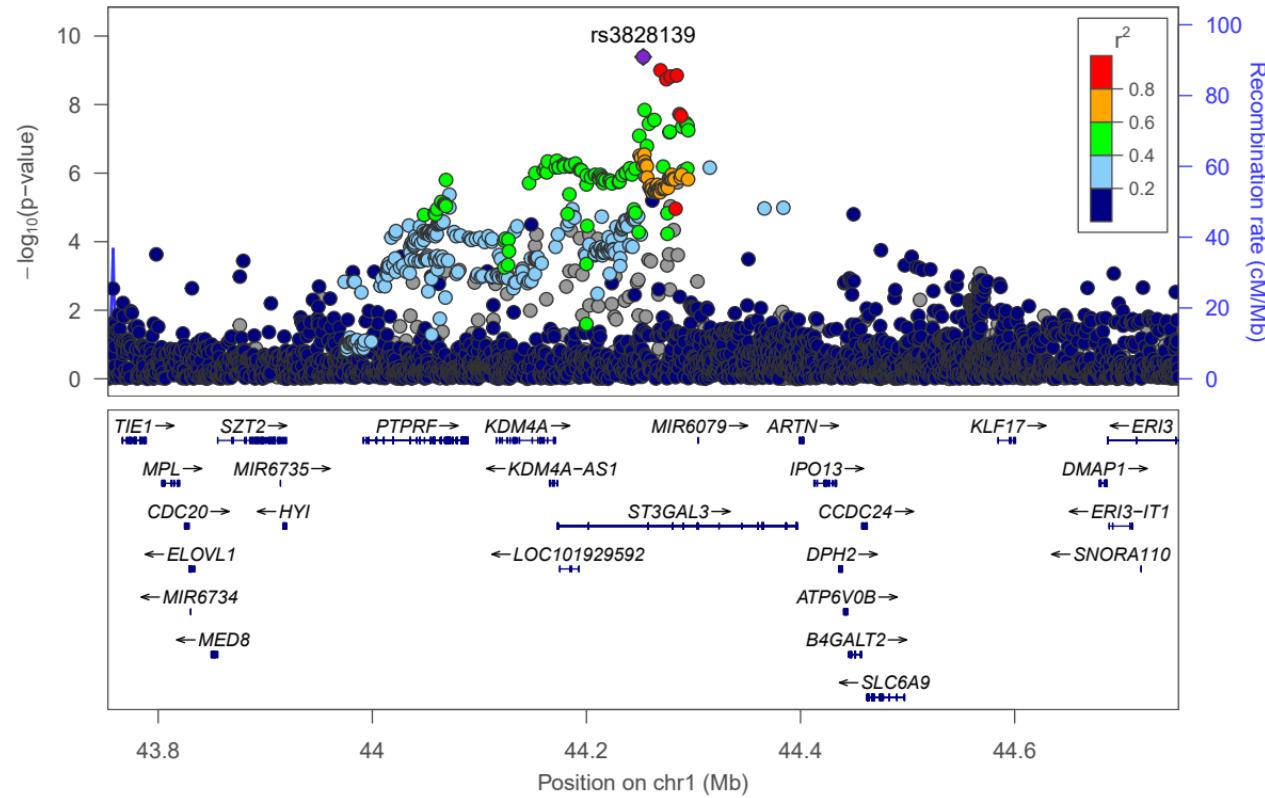
Fixed effect model

Random effects model

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



CD244 (CD244)-rs3828139



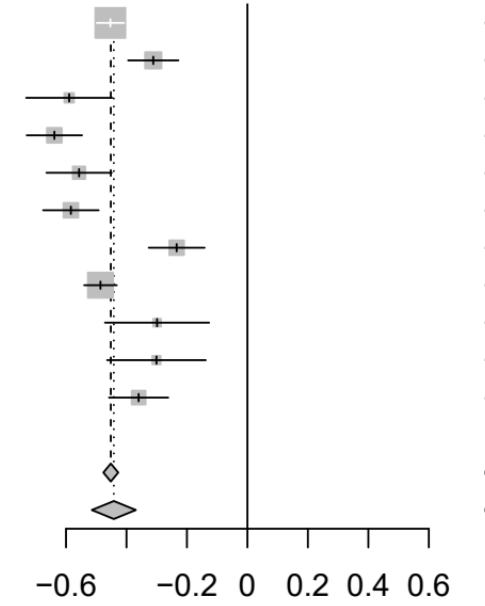
Study

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]

b

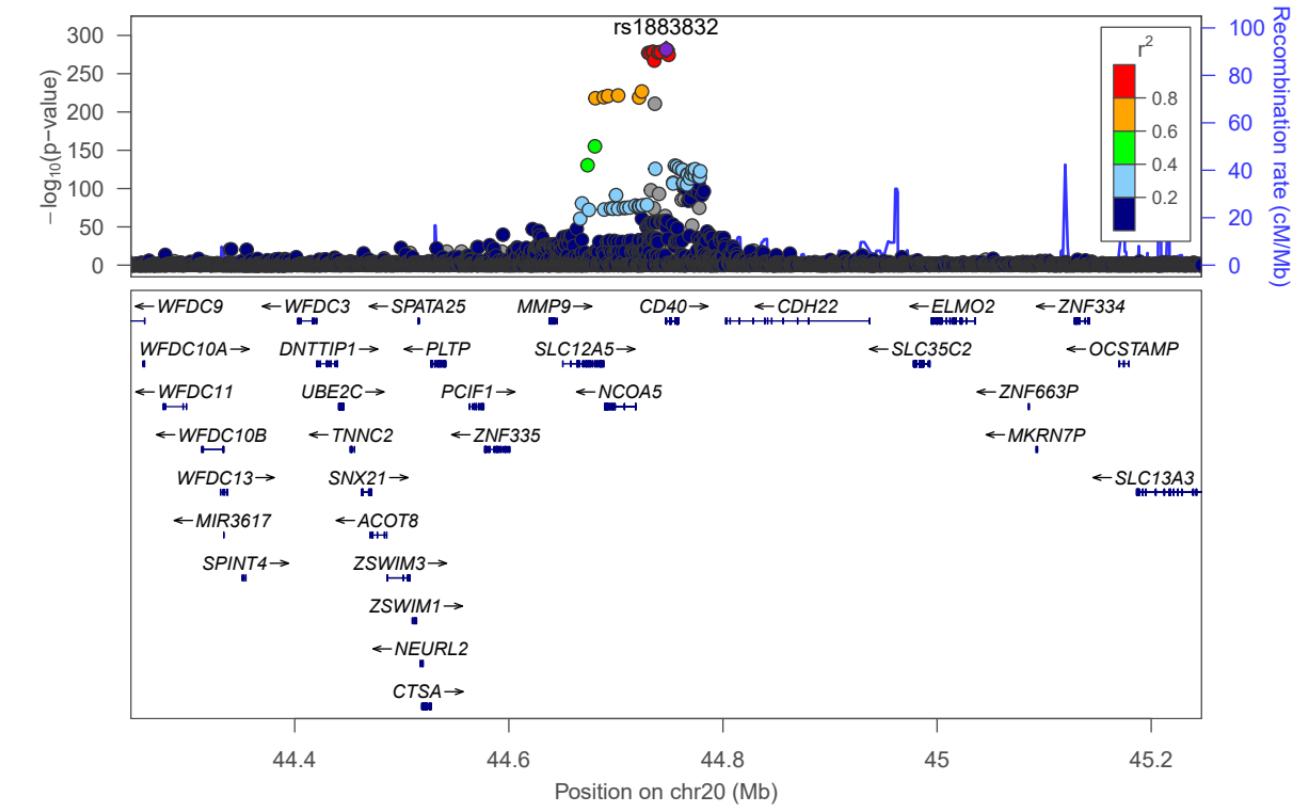
SE



		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%
	Fixed effect model	-0.45 [-0.48; -0.43]	100.0%	--
	Random effects model	-0.44 [-0.51; -0.37]	--	100.0%

Heterogeneity: $I^2 = 87\%$, $\tau^2 = 0.0122$, $p < 0.01$

CD40 (CD40)-rs1883832



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

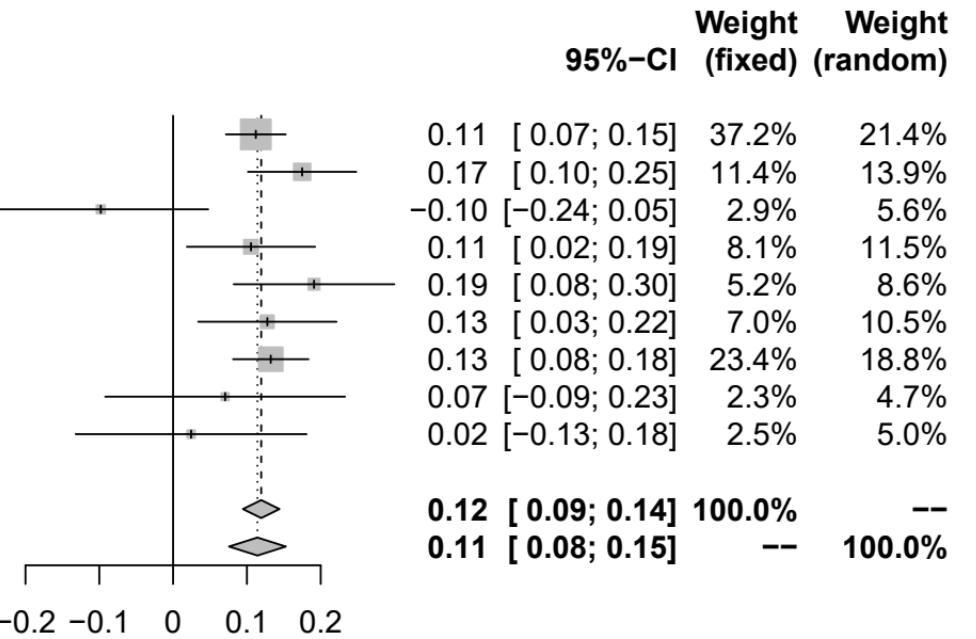
Study

	b	SE
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

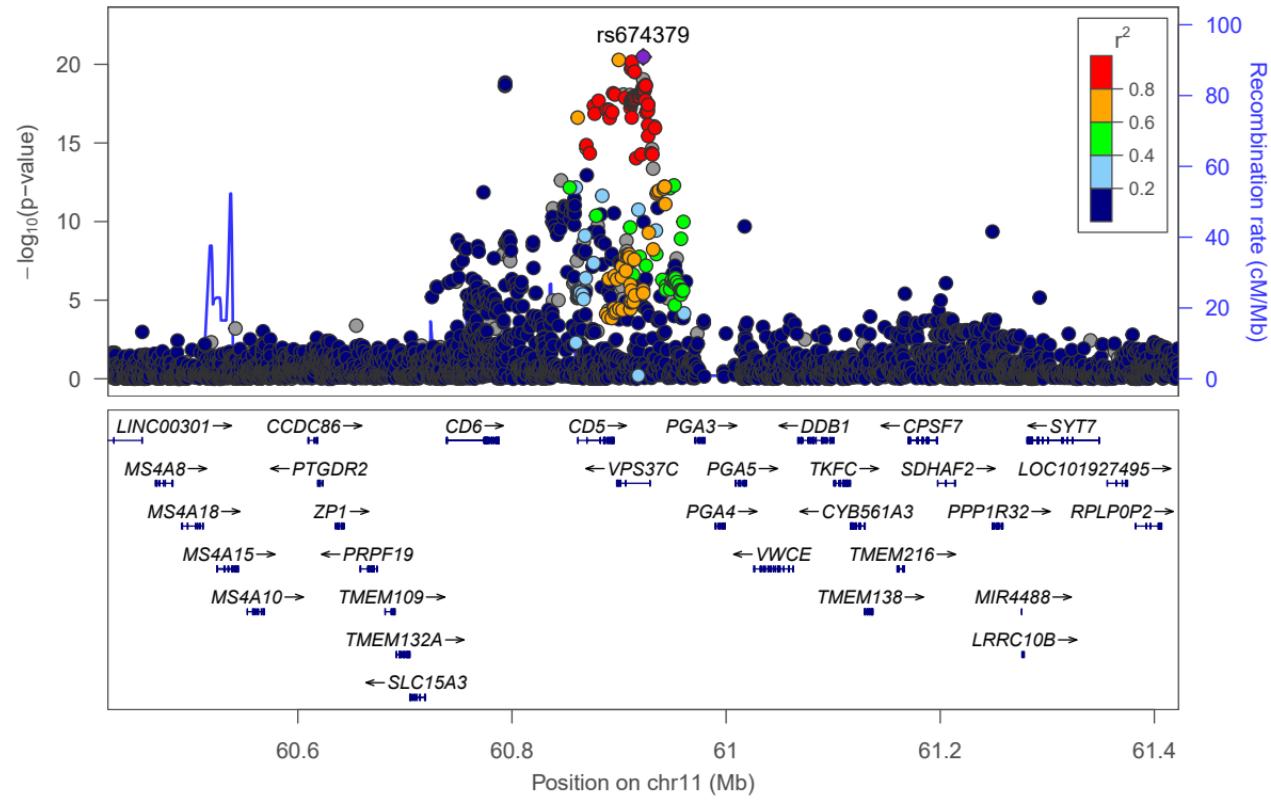
Fixed effect model

Random effects model

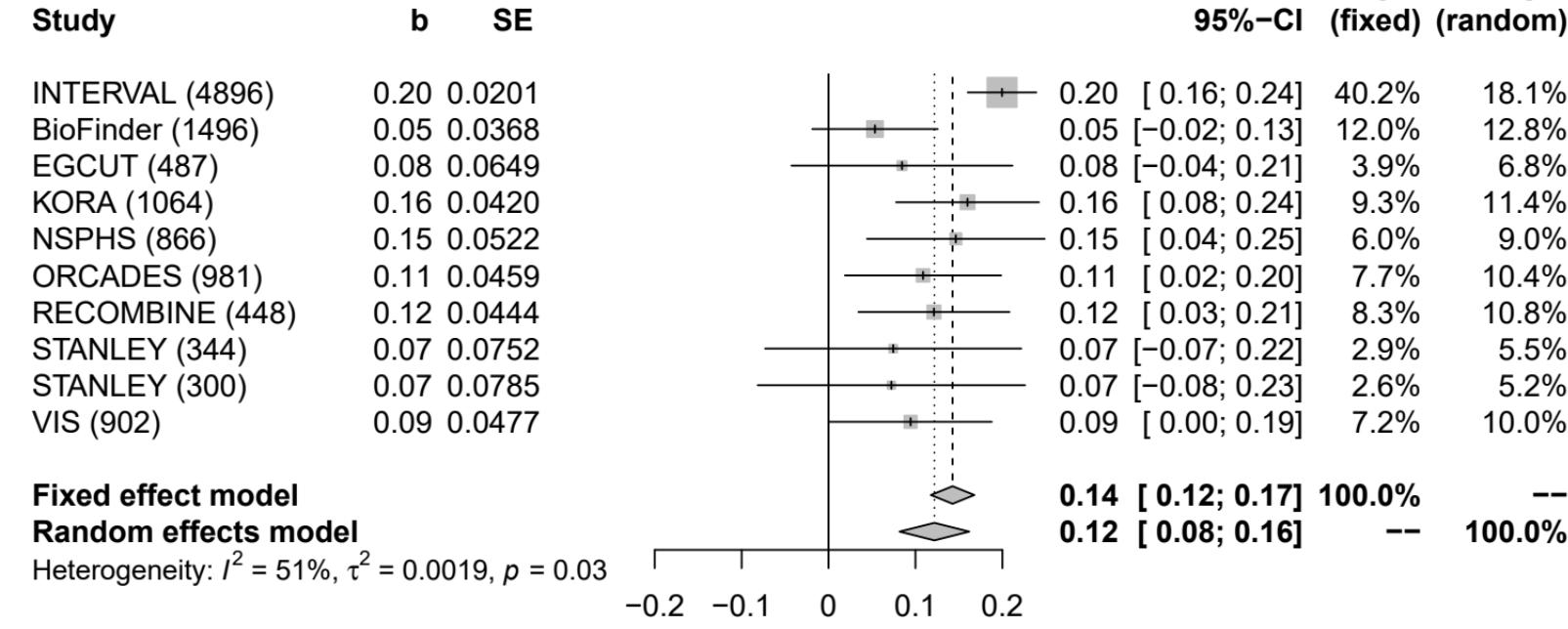
Heterogeneity: $I^2 = 45\%$, $\tau^2 = 0.0014$, $p = 0.07$



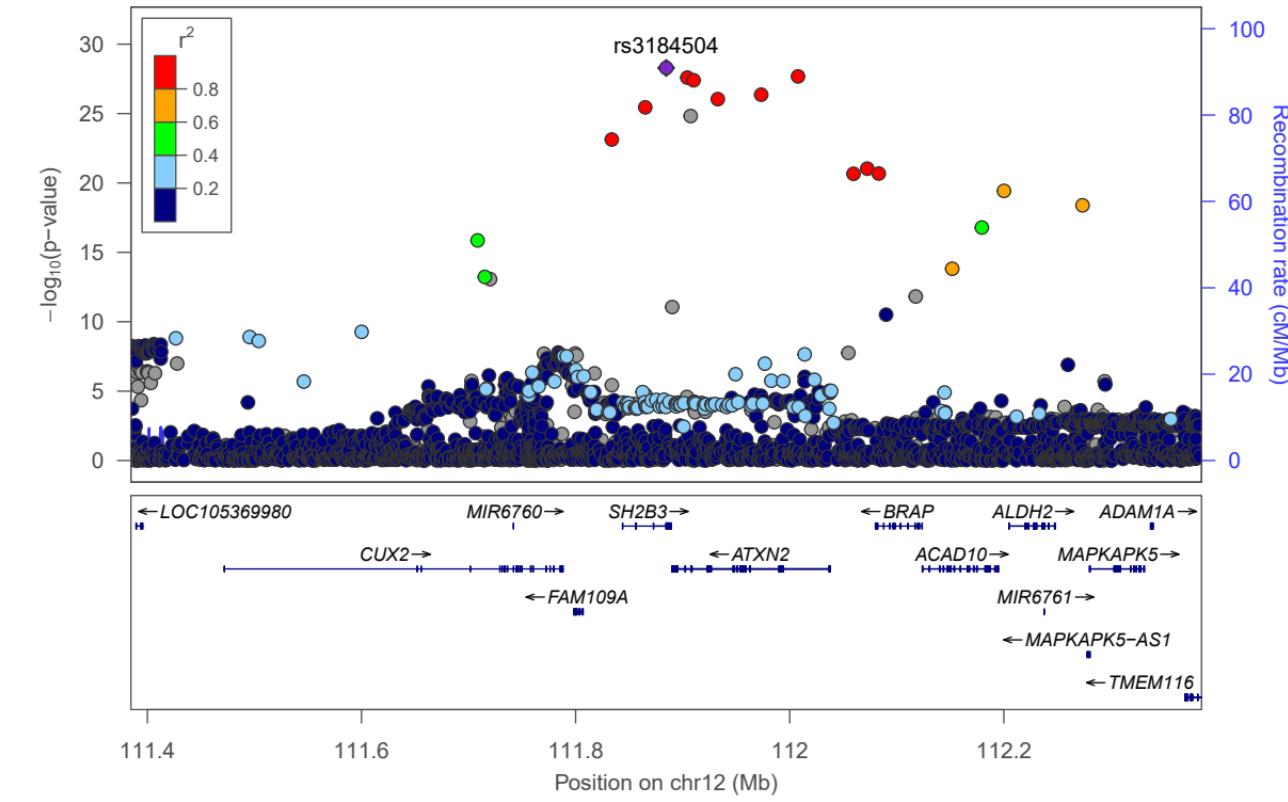
CD5 (CD5)-rs674379

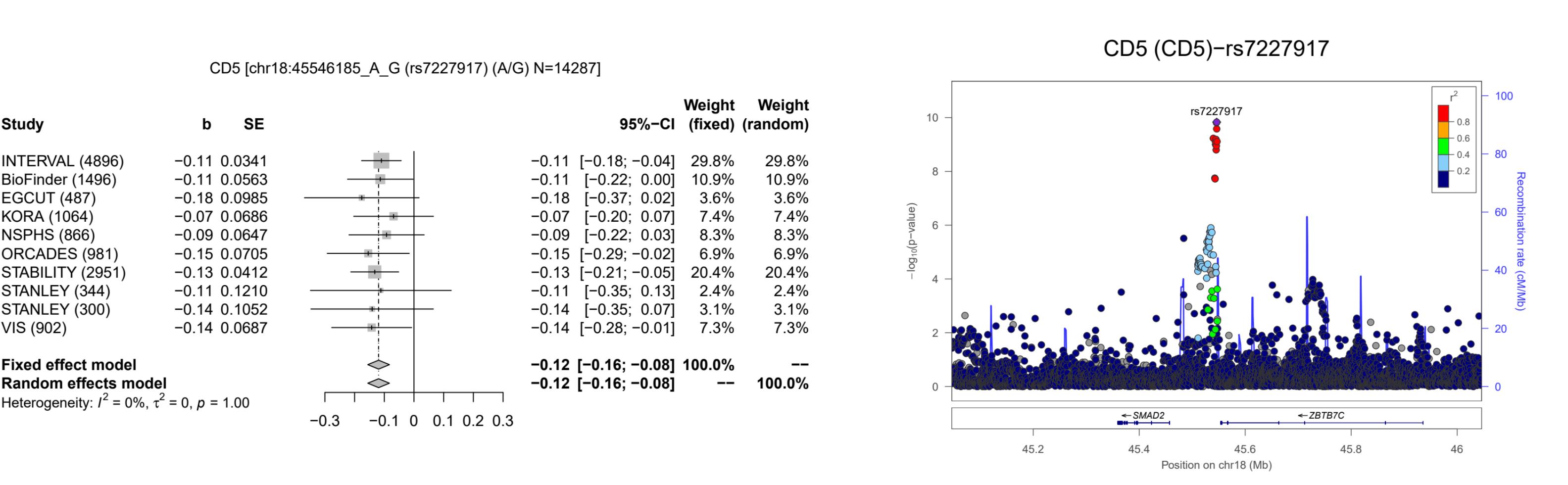


CD5 [chr12:111884608_C_T (rs3184504) (T/C) N=11784]



CD5 (CD5)-rs3184504





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

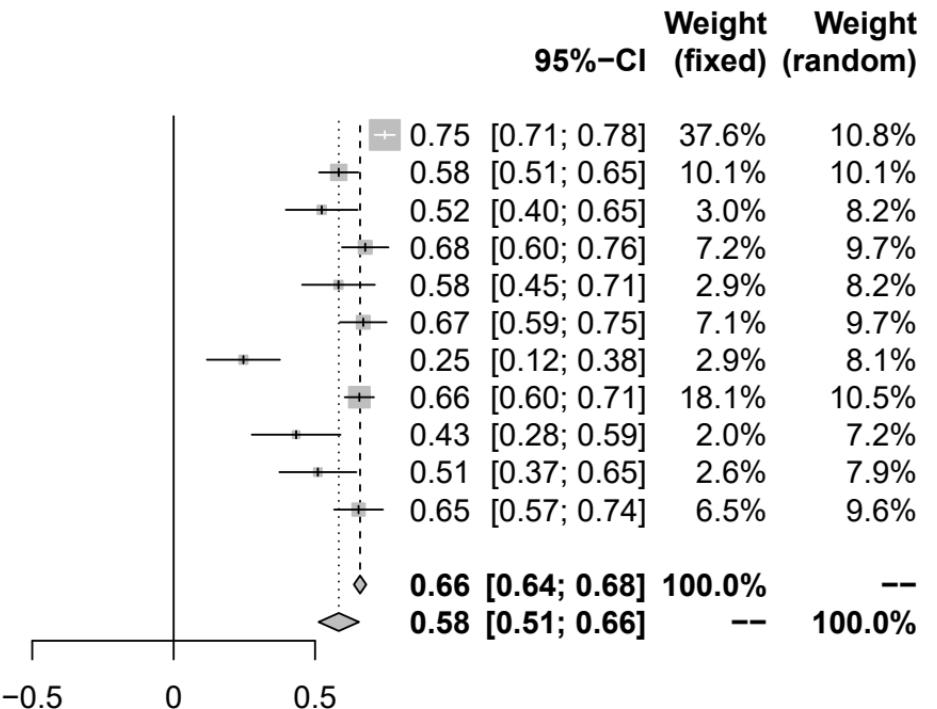
Study

	b	SE
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

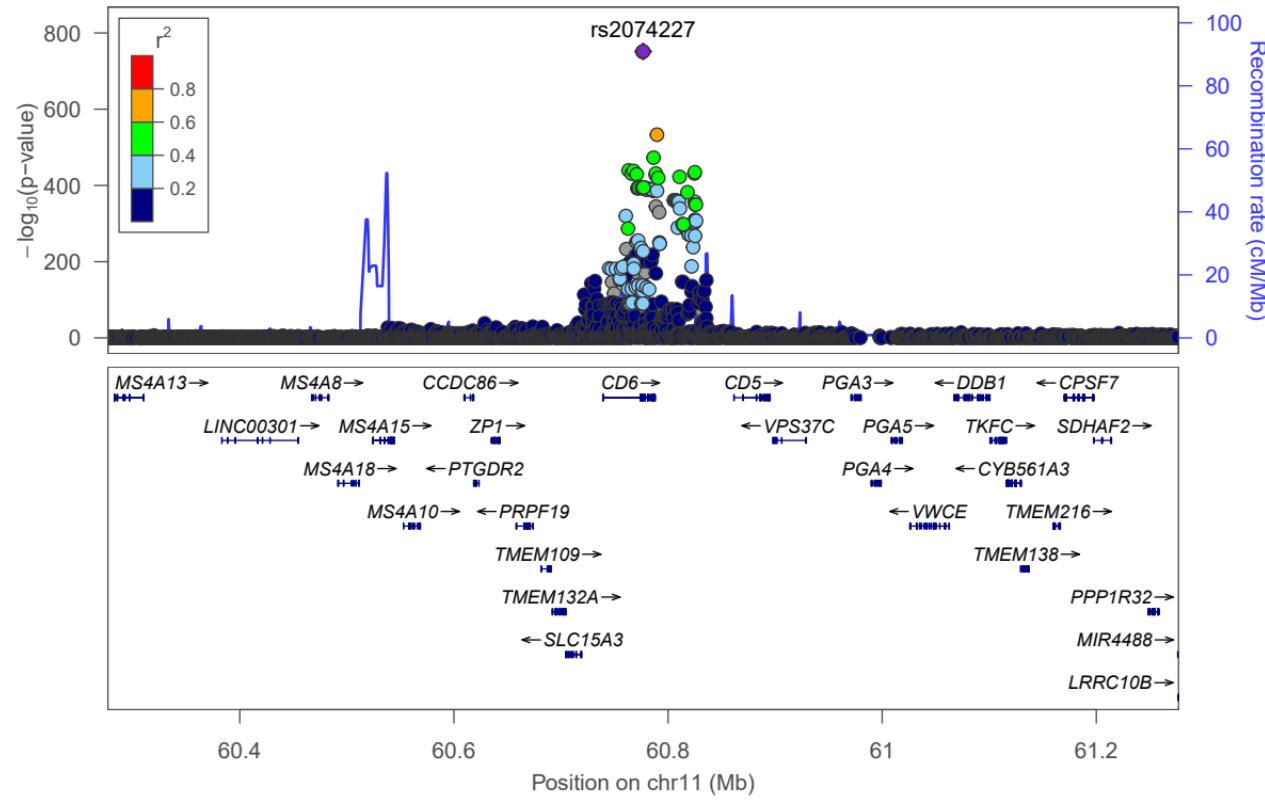
Fixed effect model

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]

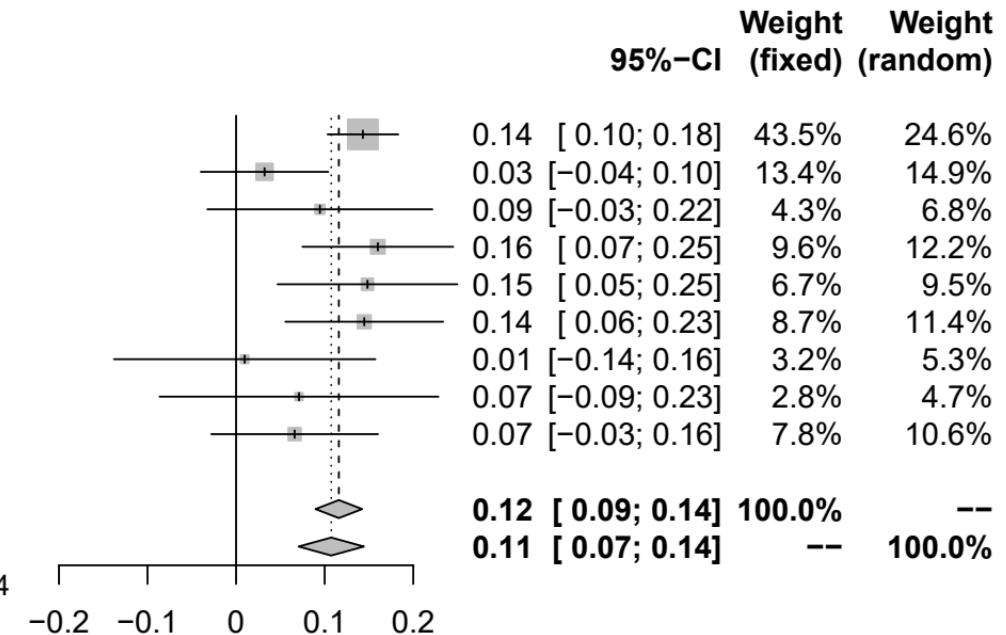
Study

	b	SE
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

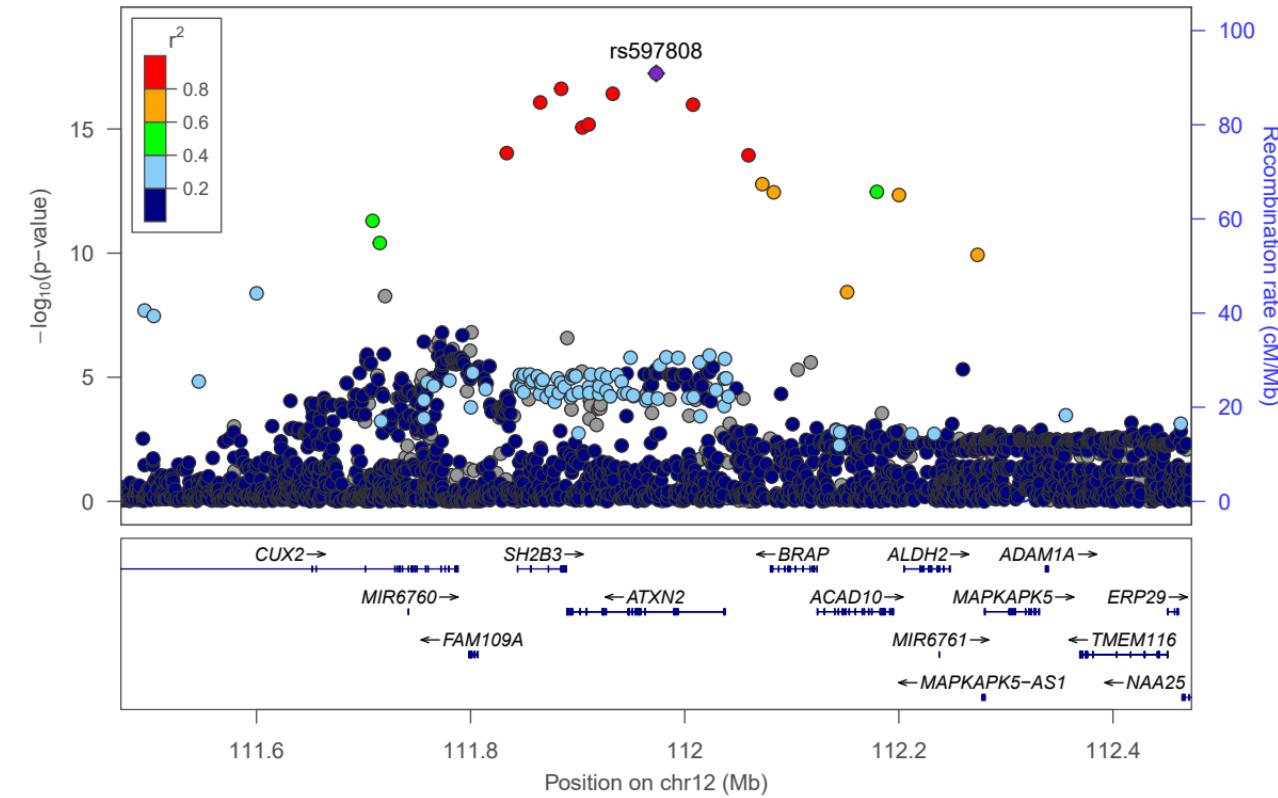
Fixed effect model

Random effects model

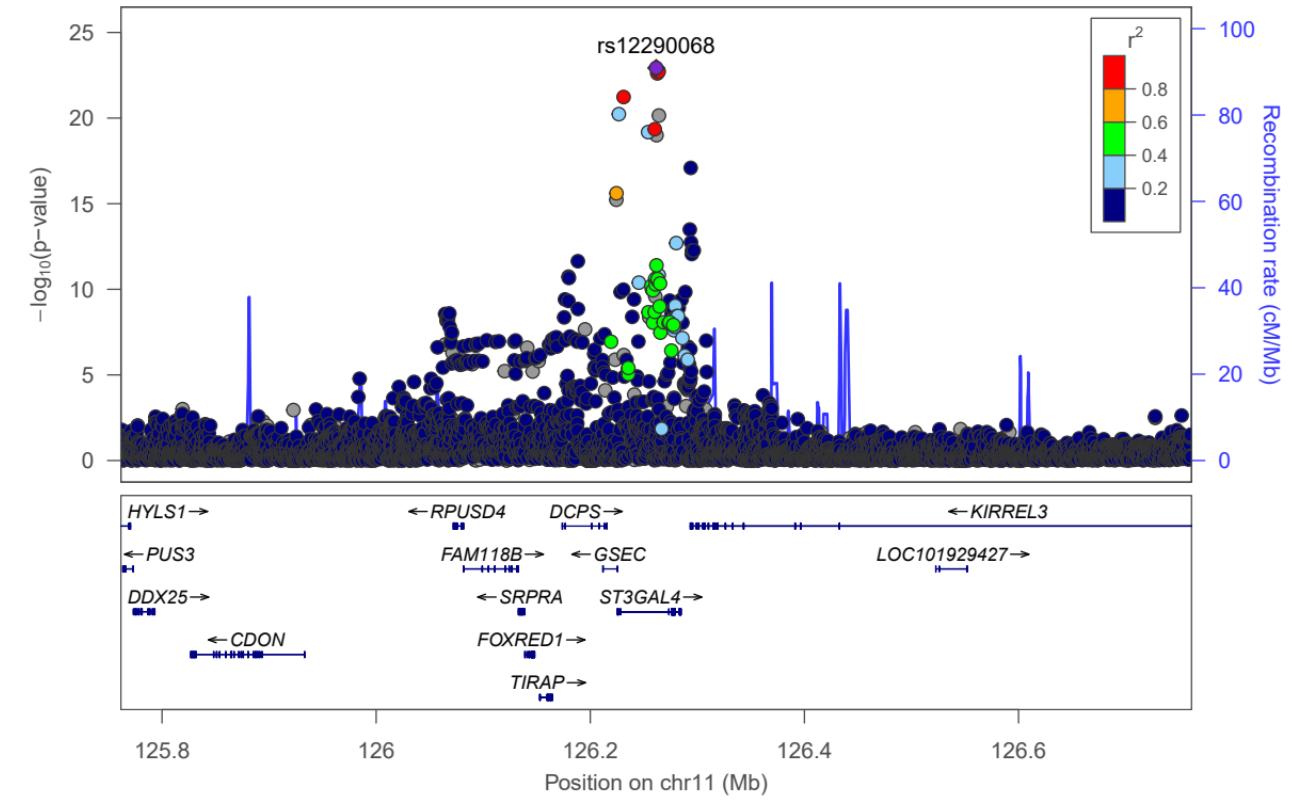
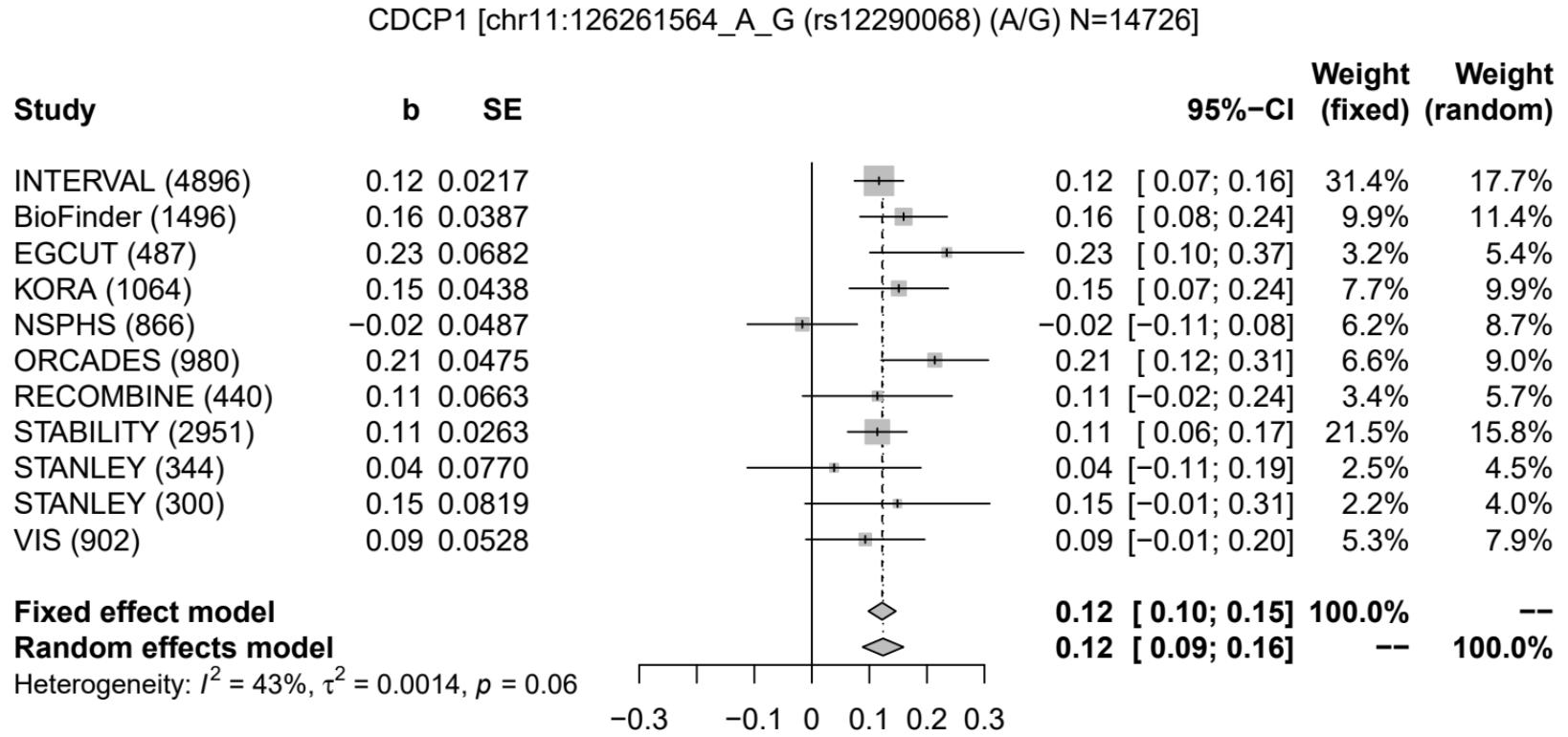
Heterogeneity: $I^2 = 35\%$, $\tau^2 = 0.0010$, $p = 0.14$



CD6 (CD6)-rs597808



CDCP1 (CDCP1)-rs12290068



CDCP1 (CDCP1)-rs2276862

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

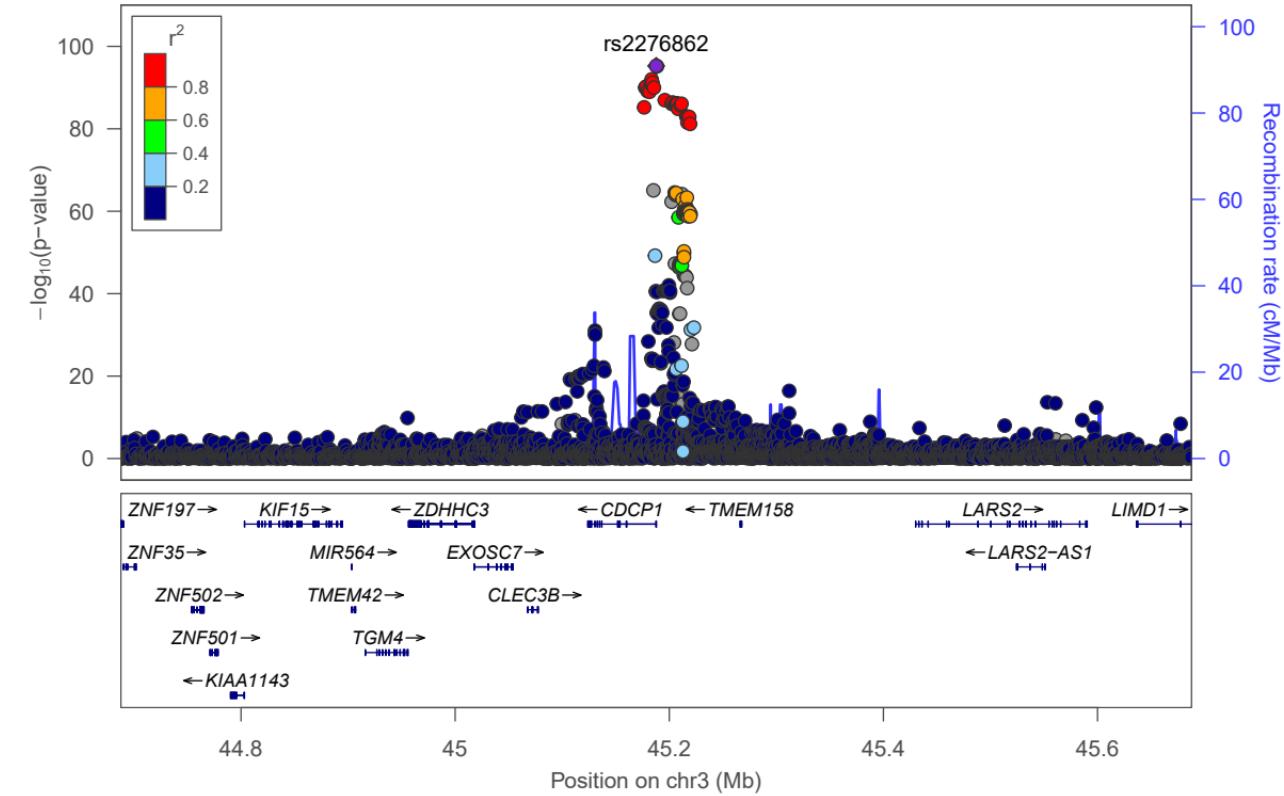
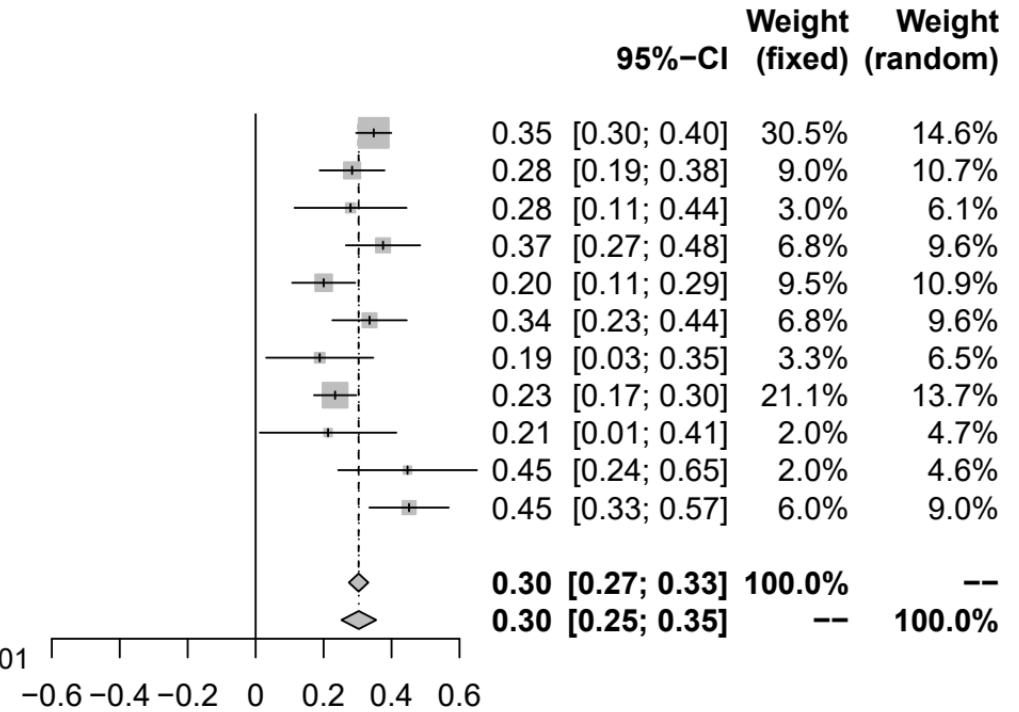
Study

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



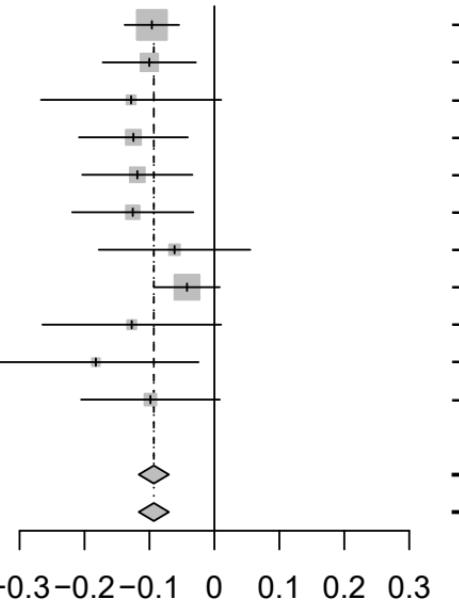
Study

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]

b

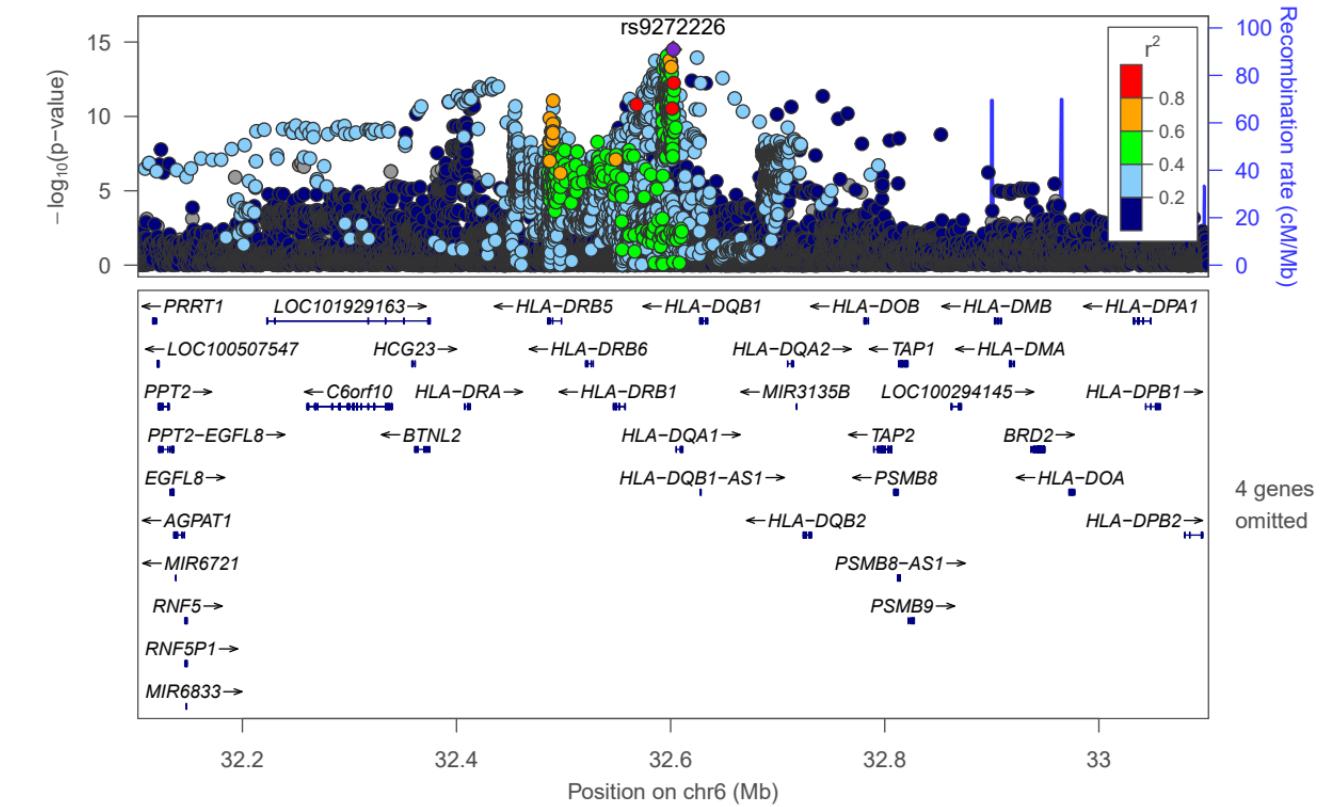
SE



	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 (CSF1)-rs17610659

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

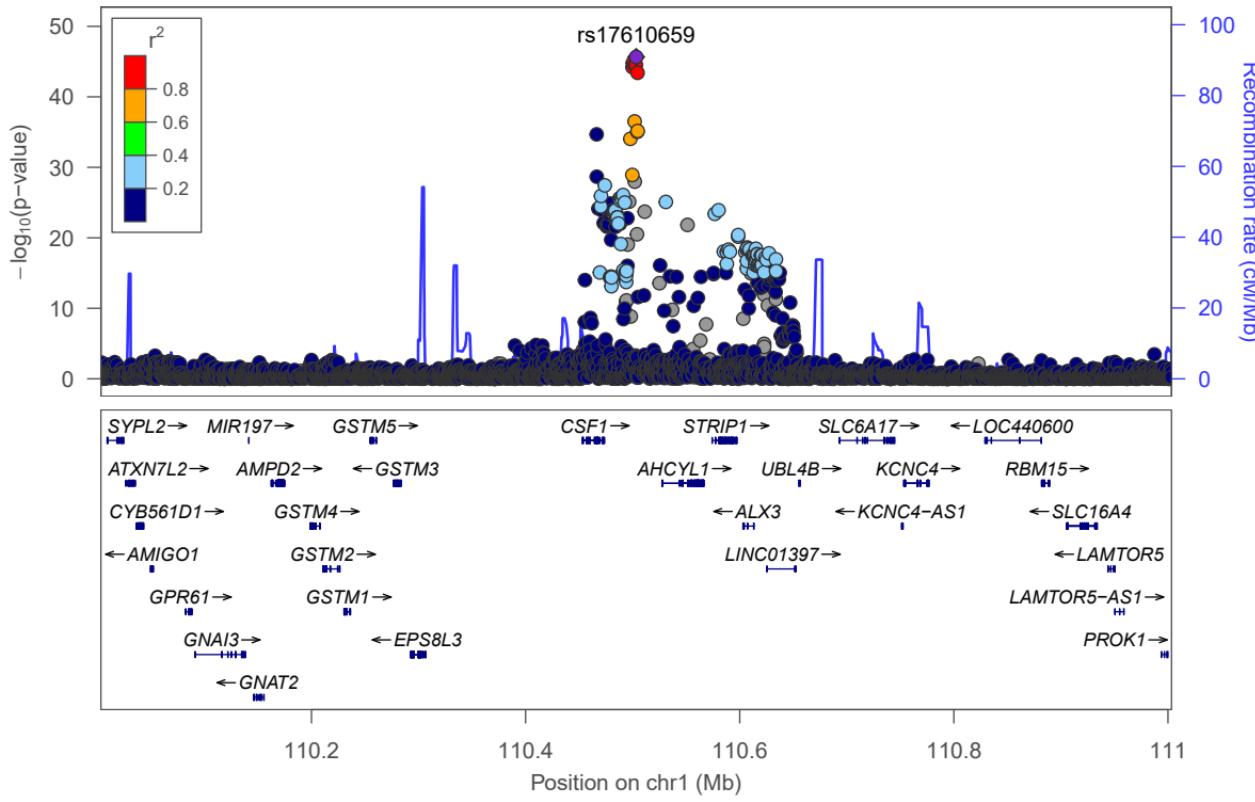
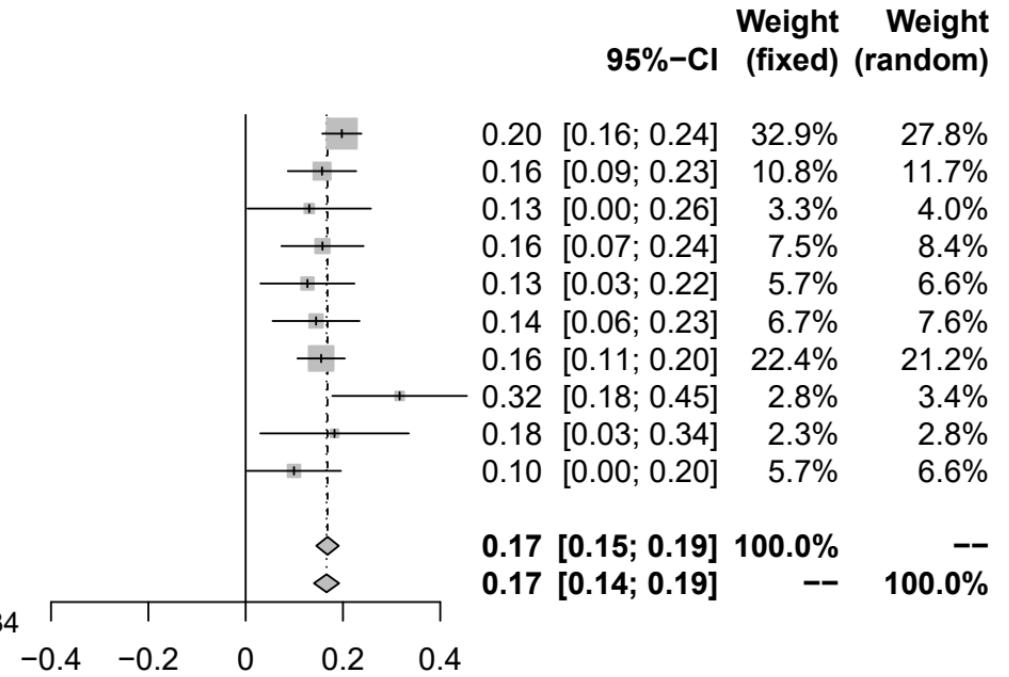
Study

	b	SE
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

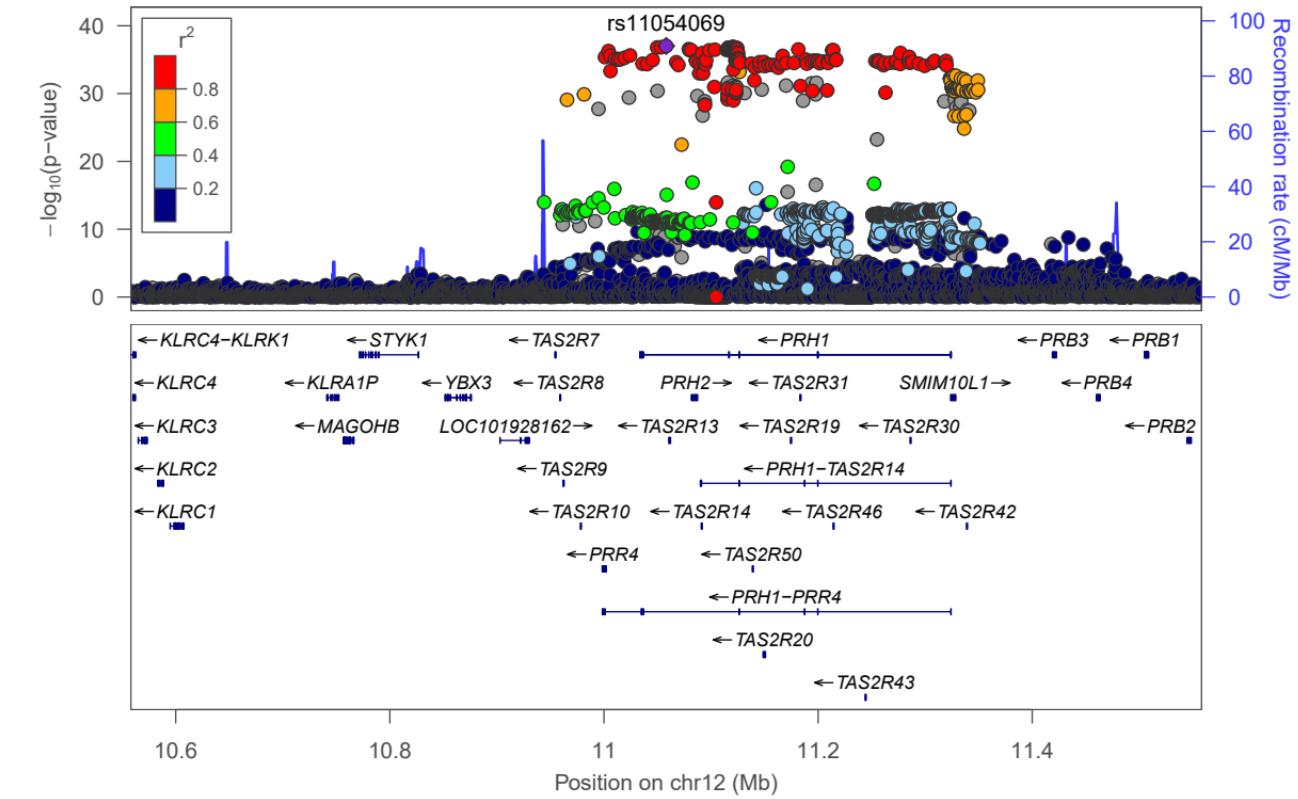
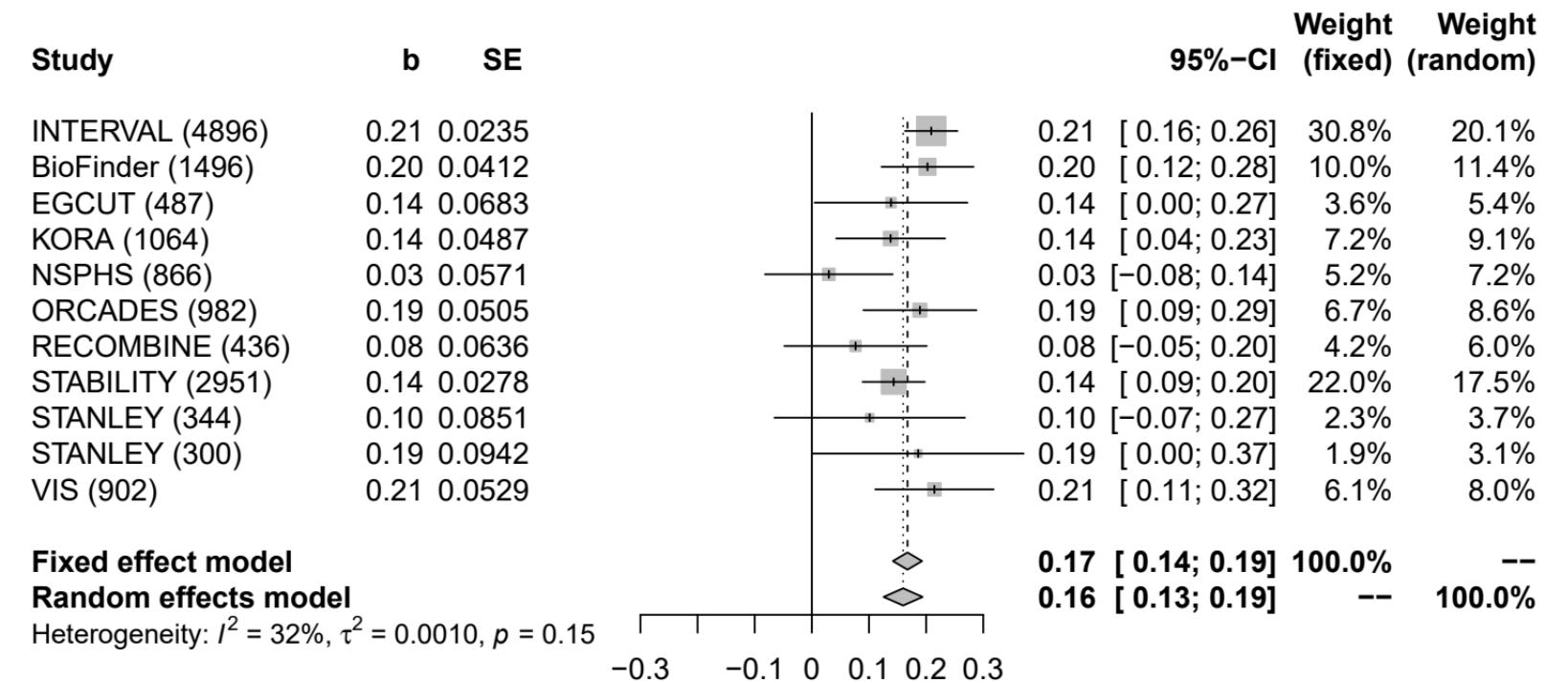
Random effects model

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



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]

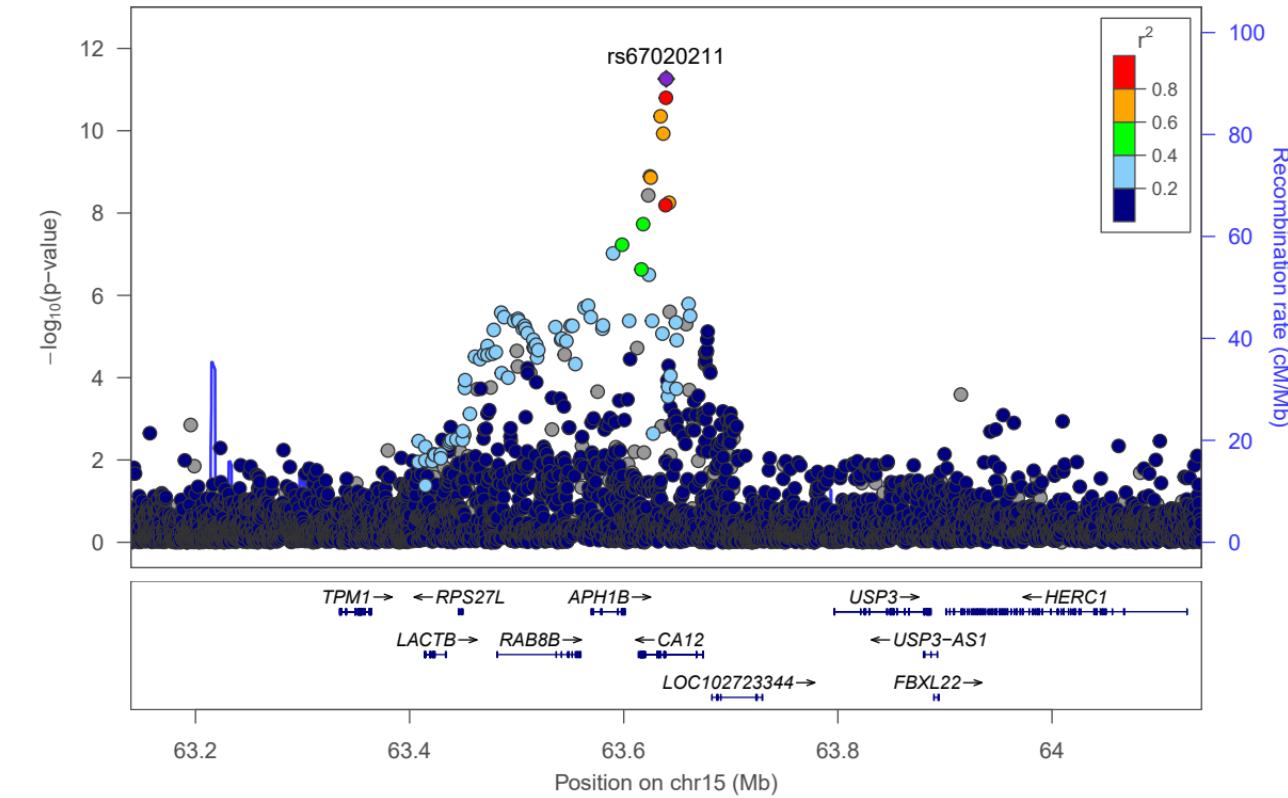
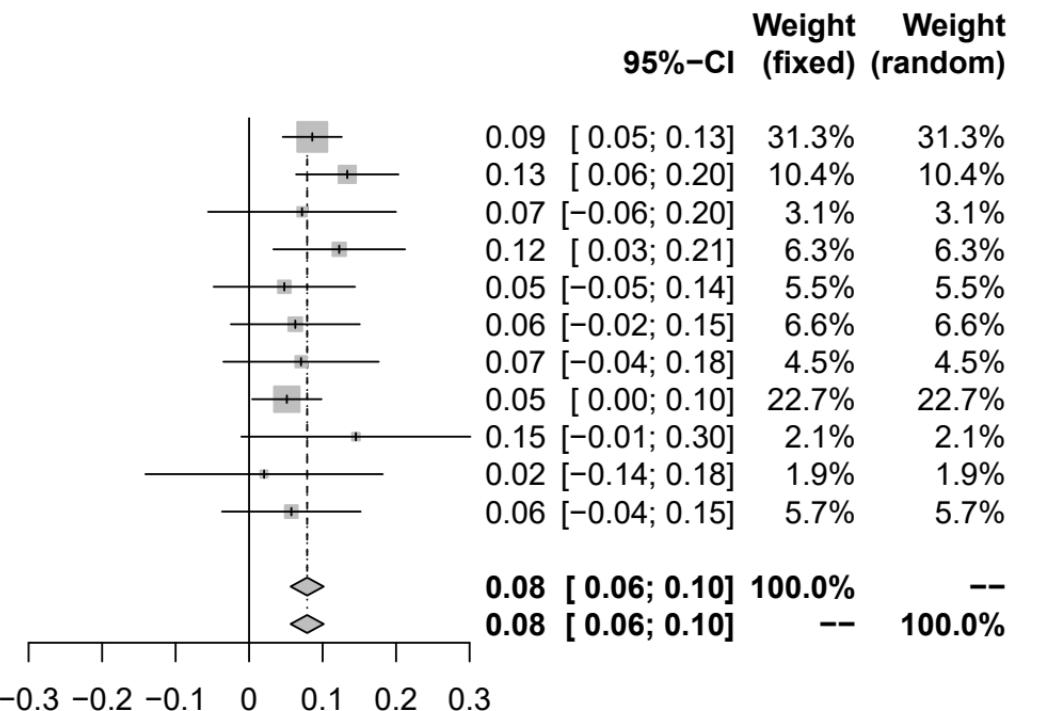
Study

	b	SE
INTERVAL (4896)	0.09	0.0205
BioFinder (1496)	0.13	0.0355
EGCUT (487)	0.07	0.0652
KORA (1064)	0.12	0.0457
NSPHS (866)	0.05	0.0490
ORCADES (982)	0.06	0.0447
RECOMBINE (446)	0.07	0.0539
STABILITY (2951)	0.05	0.0241
STANLEY (344)	0.15	0.0795
STANLEY (300)	0.02	0.0824
VIS (902)	0.06	0.0481

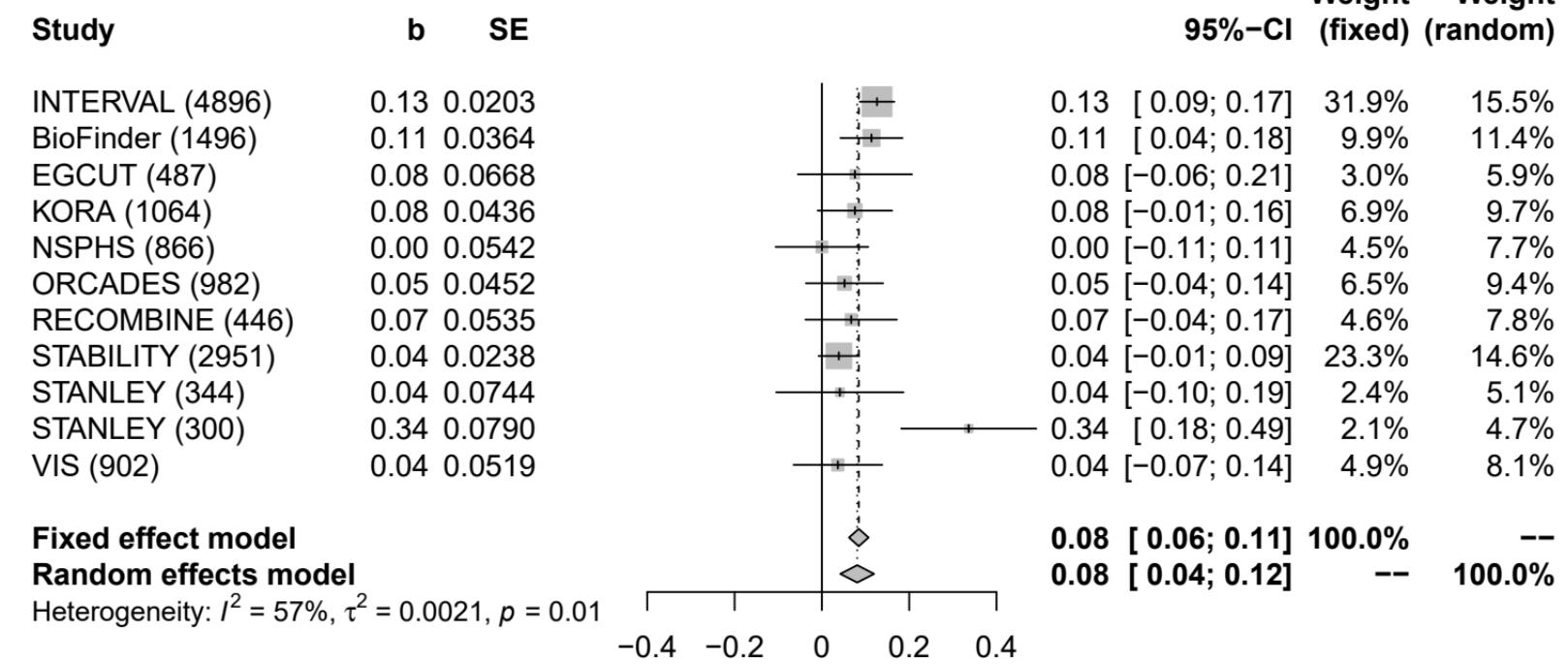
Fixed effect model

Random effects model

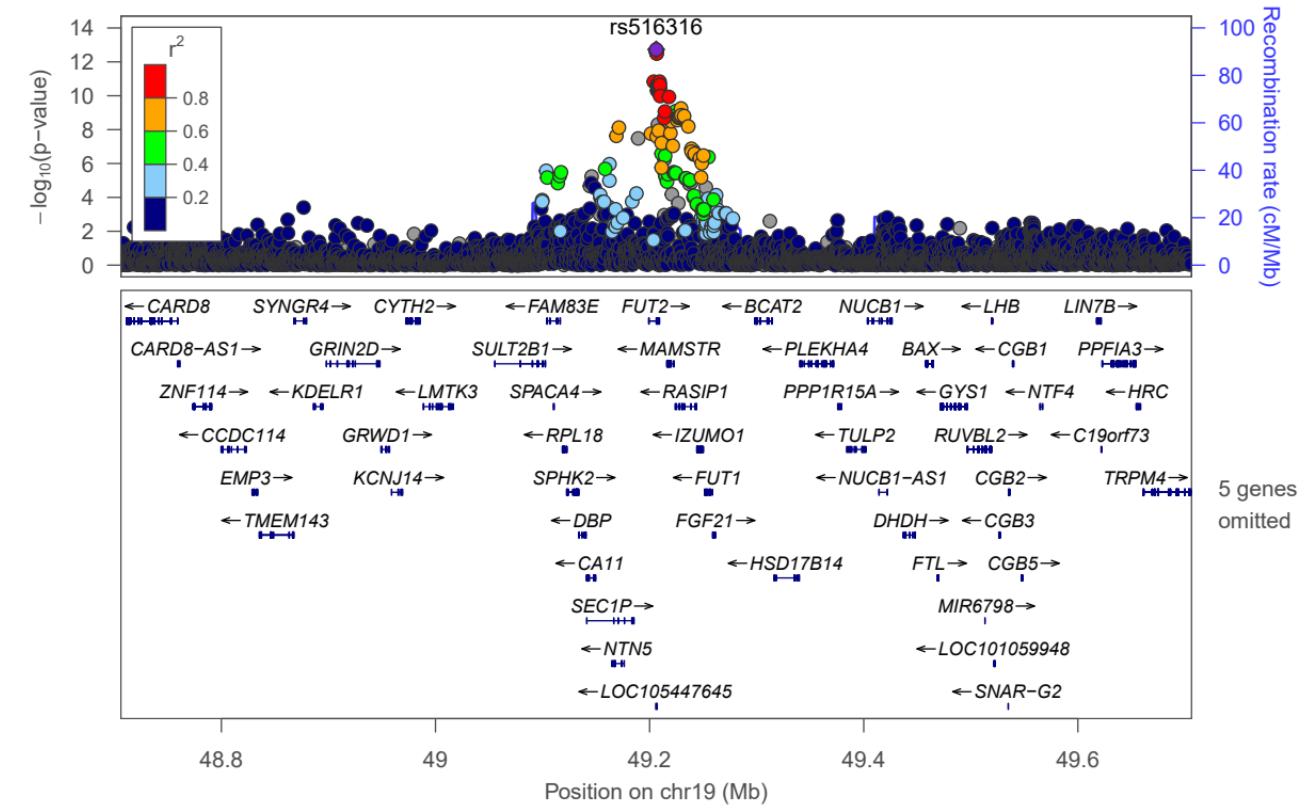
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.76$



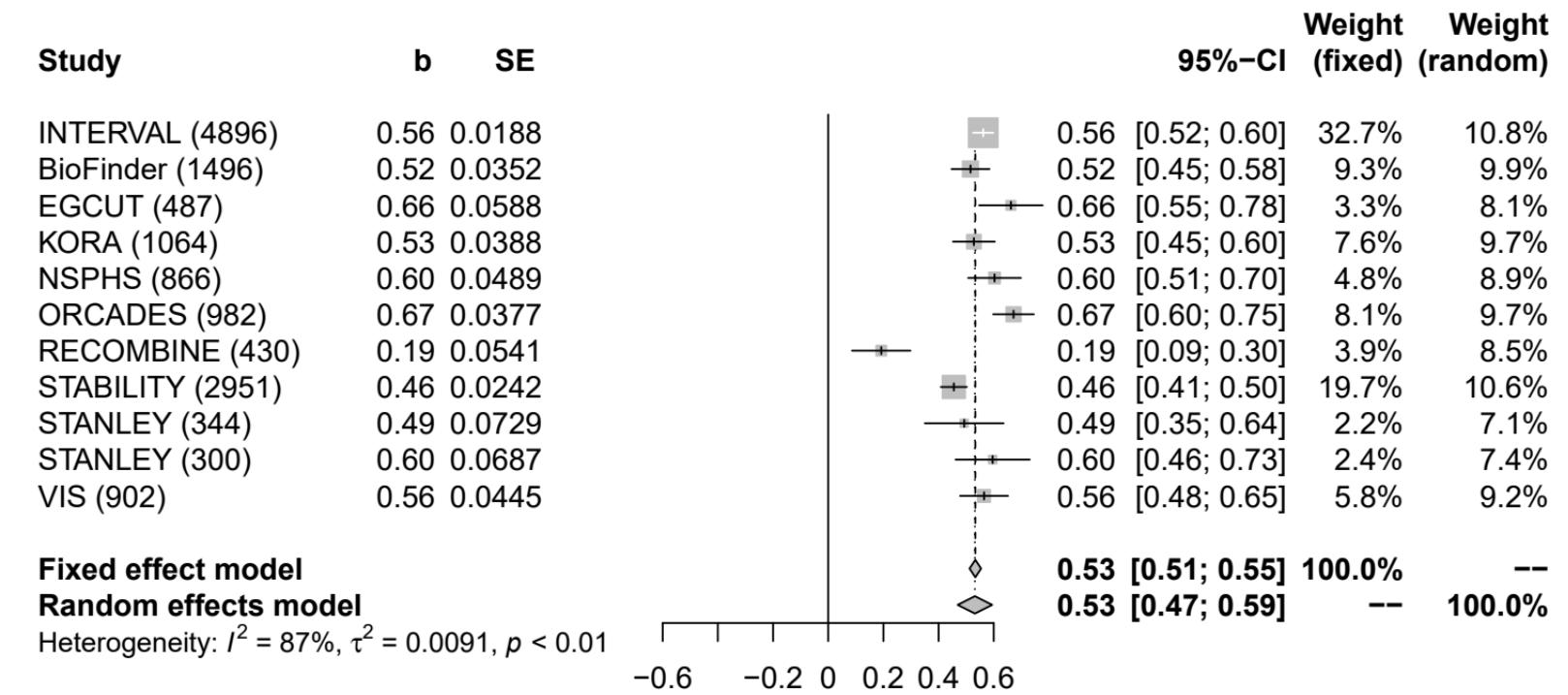
CST5 [chr19:49206145_C_G (rs516316) (C/G) N=14734]



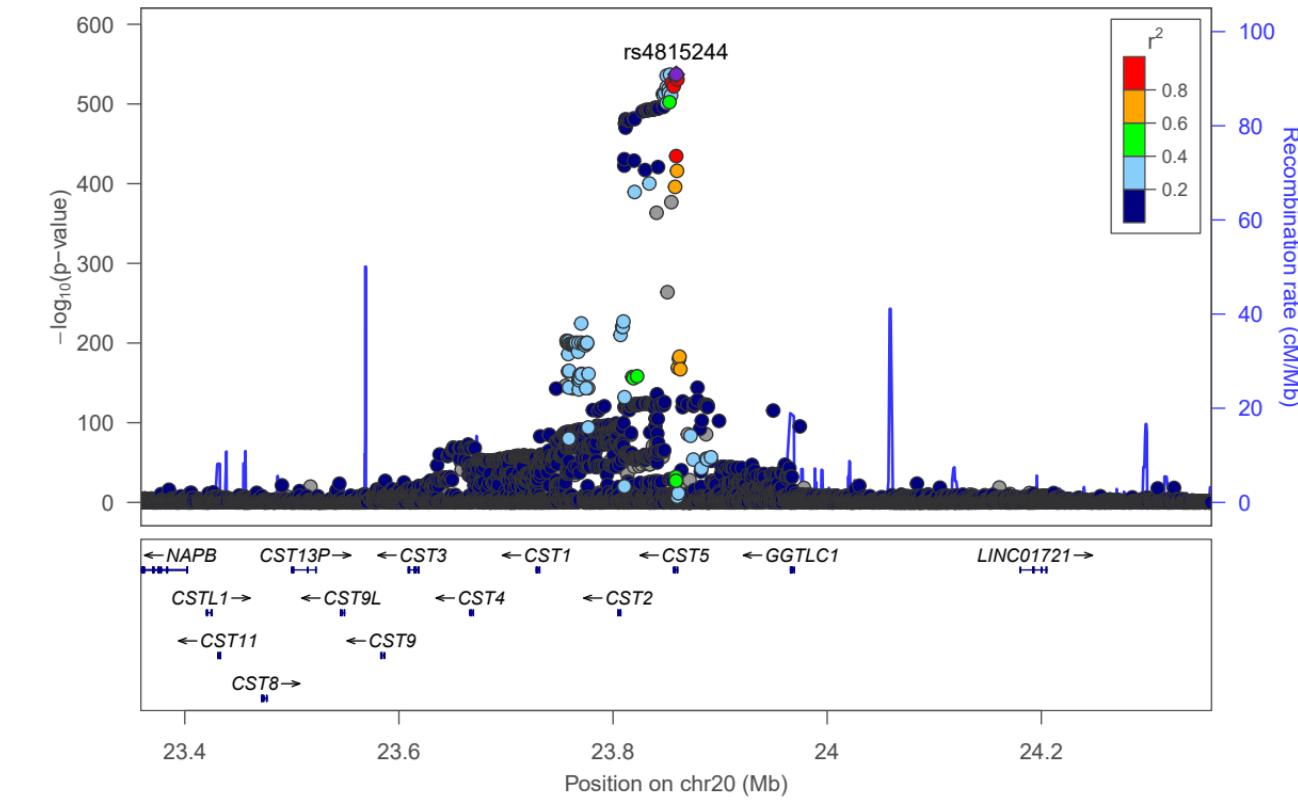
CST5 (CST5)-rs516316



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



CST5 (CST5)-rs4815244



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

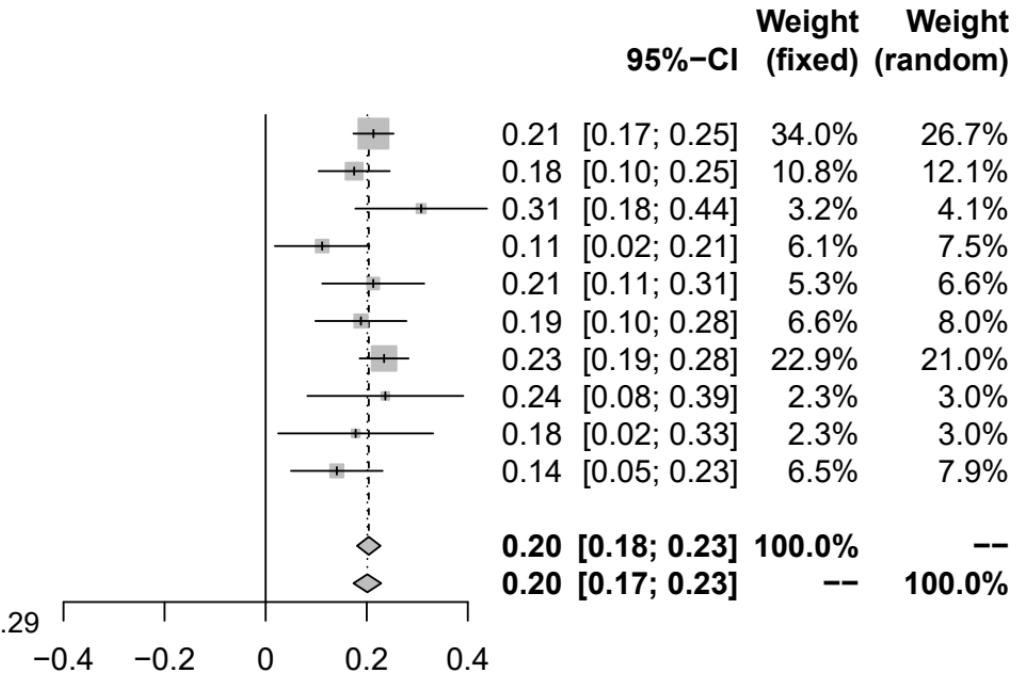
Study

	b	SE
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

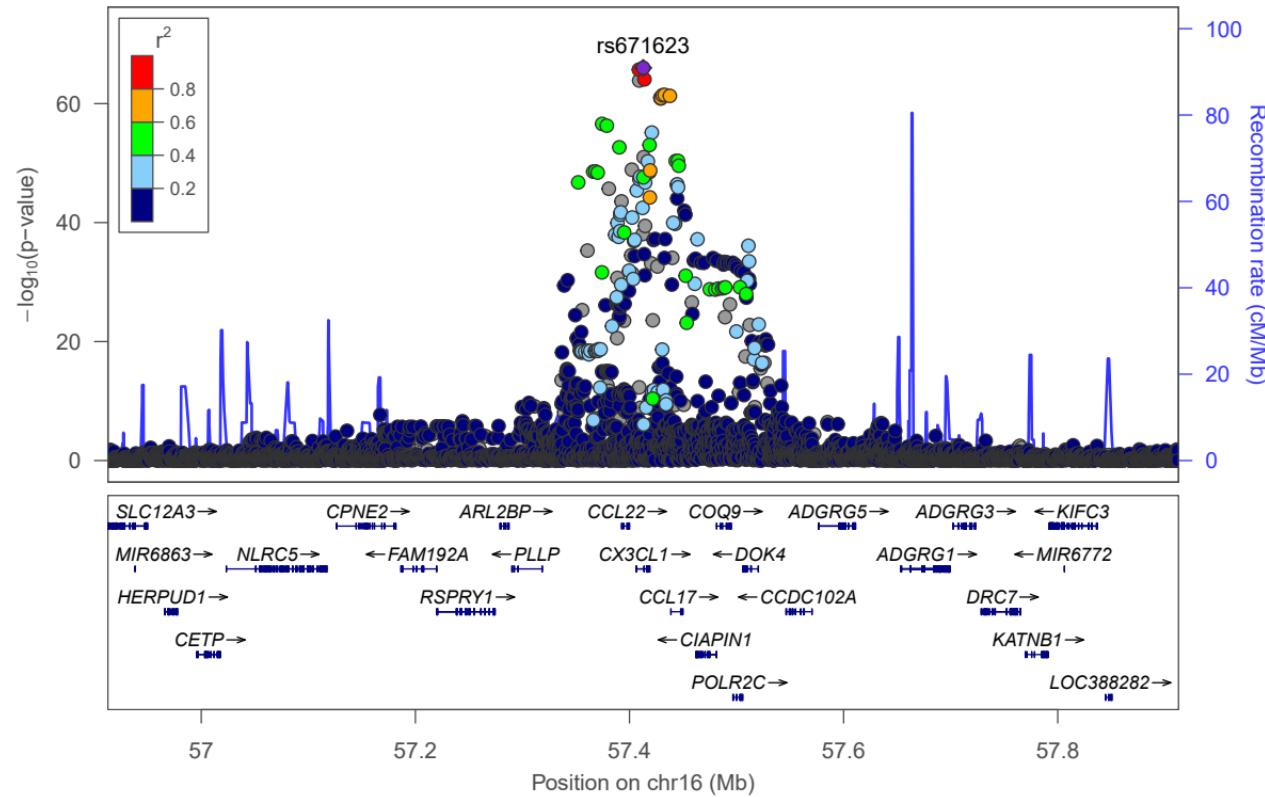
Fixed effect model

Random effects model

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



CX3CL1 (CX3CL1)-rs671623



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

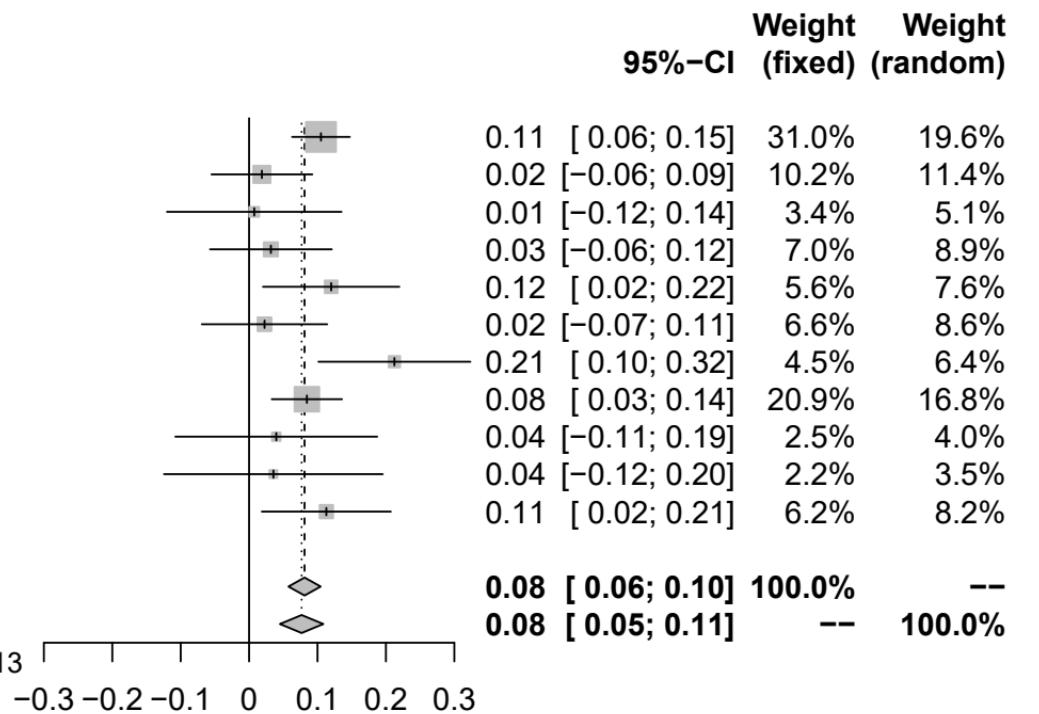
Study

	b	SE
INTERVAL (4896)	0.11	0.0216
BioFinder (1496)	0.02	0.0376
EGCUT (487)	0.01	0.0651
KORA (1064)	0.03	0.0454
NSPHS (874)	0.12	0.0509
ORCADES (982)	0.02	0.0467
RECOMBINE (448)	0.21	0.0567
STABILITY (2951)	0.08	0.0262
STANLEY (344)	0.04	0.0753
STANLEY (300)	0.04	0.0816
VIS (901)	0.11	0.0481

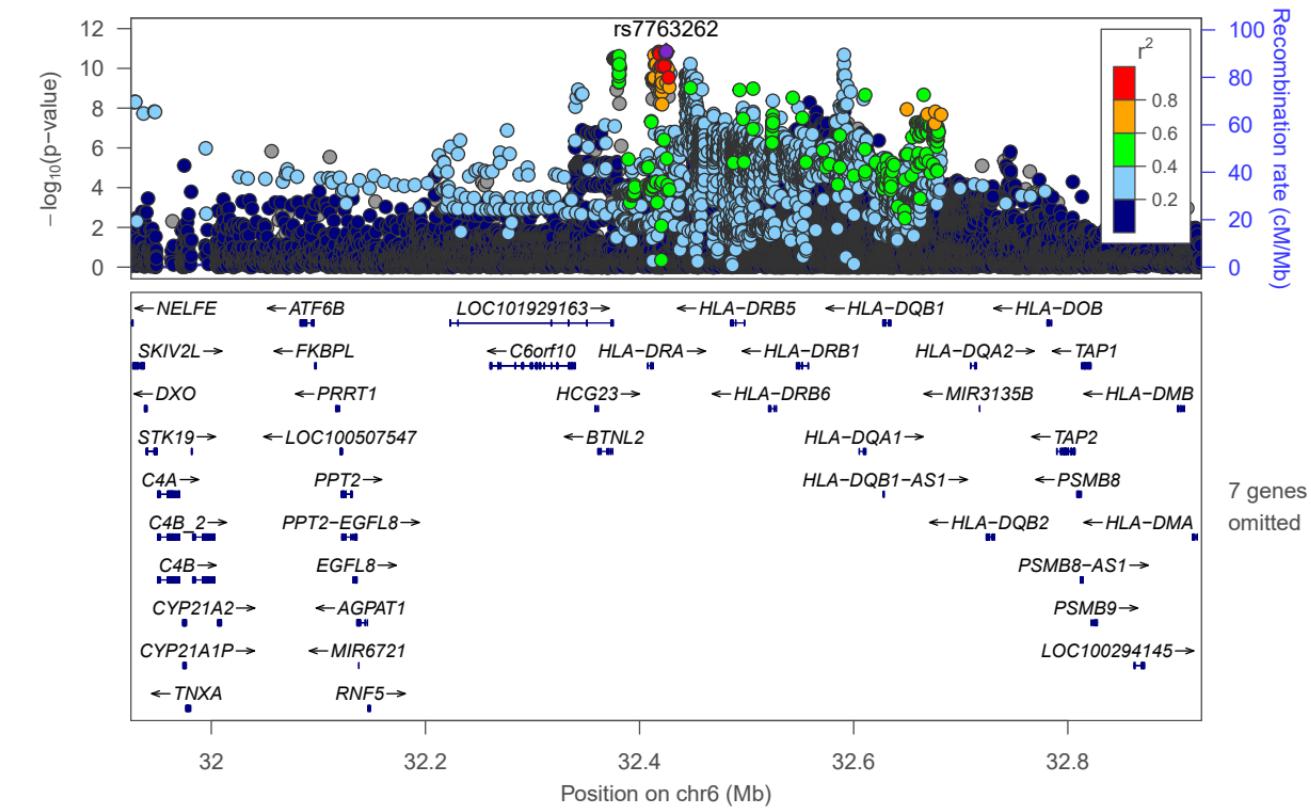
Fixed effect model

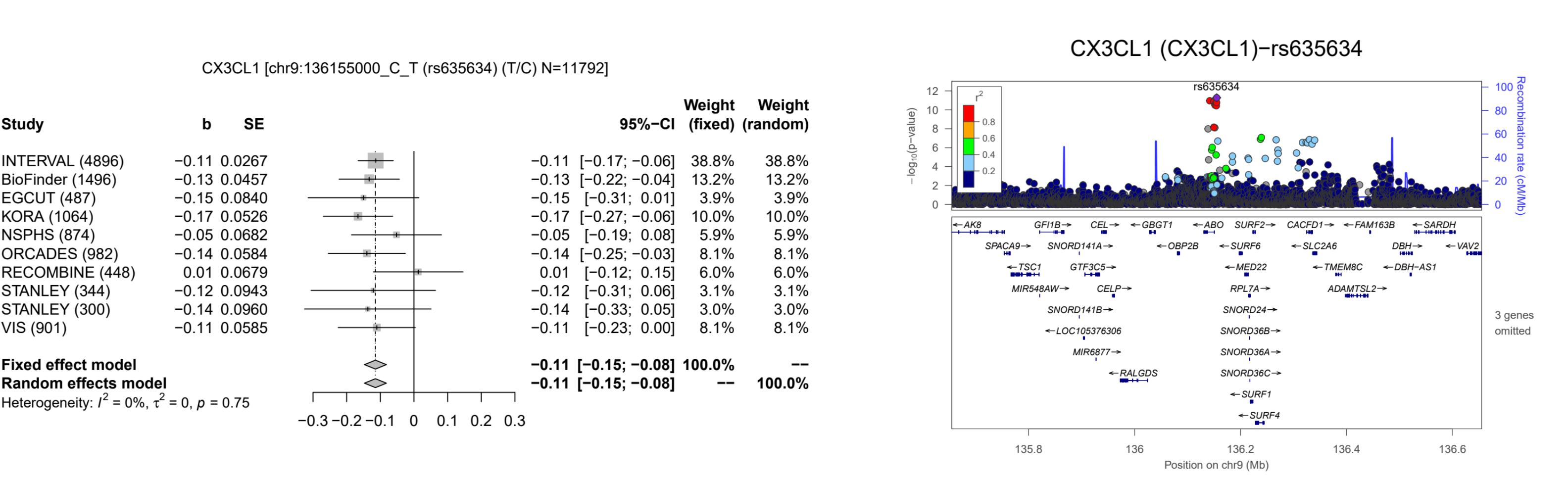
Random effects model

Heterogeneity: $I^2 = 33\%$, $\tau^2 = 0.0009$, $p = 0.13$



CX3CL1 (CX3CL1)-rs7763262





CXCL1 (CXCL1)-rs1366949

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

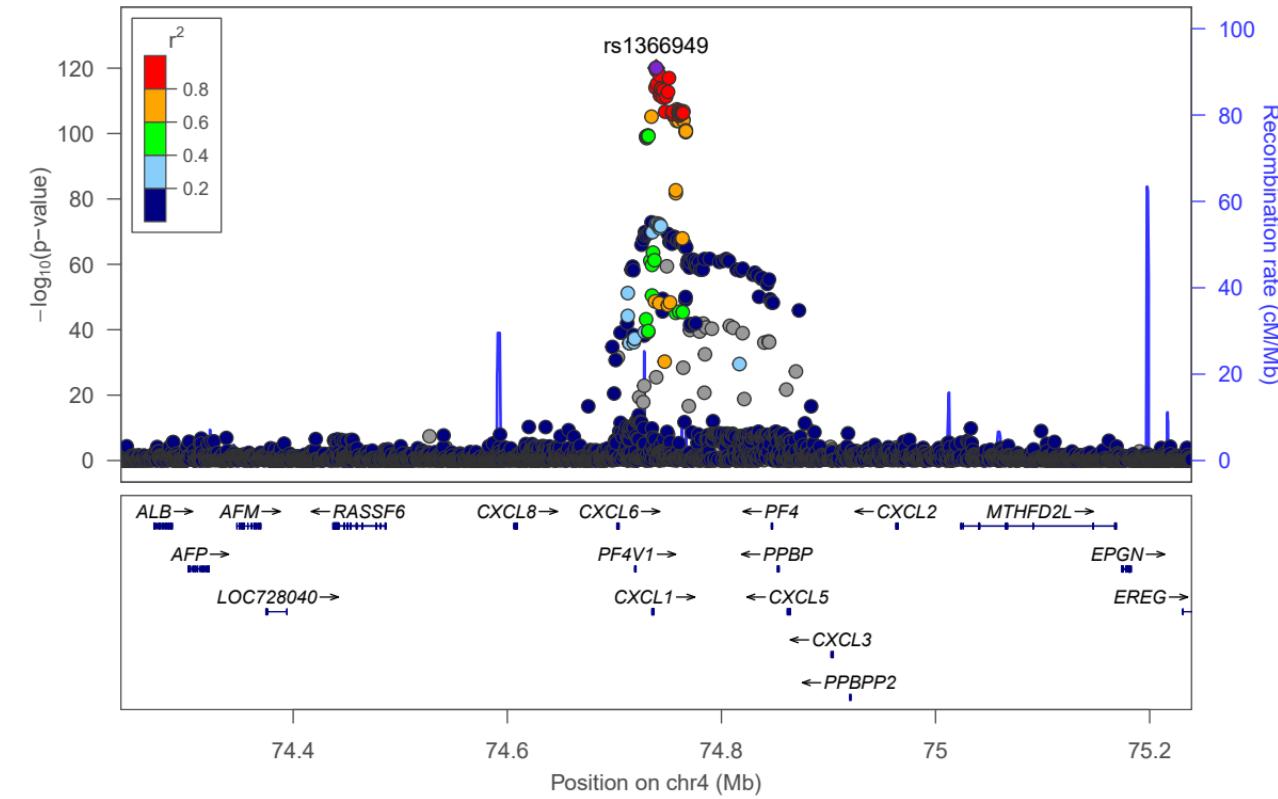
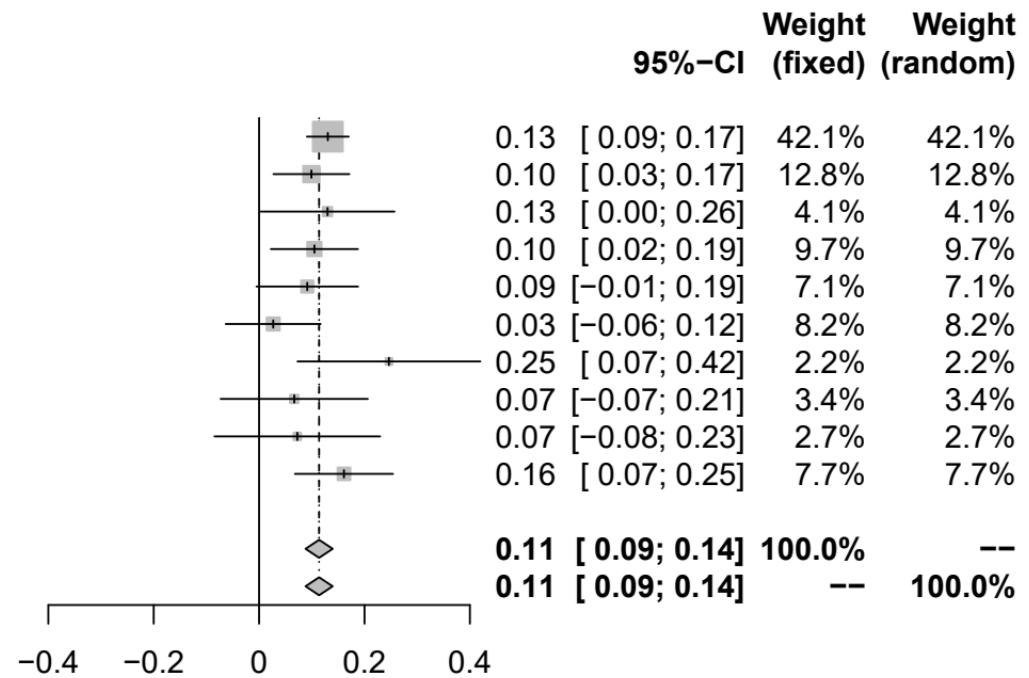
Study

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



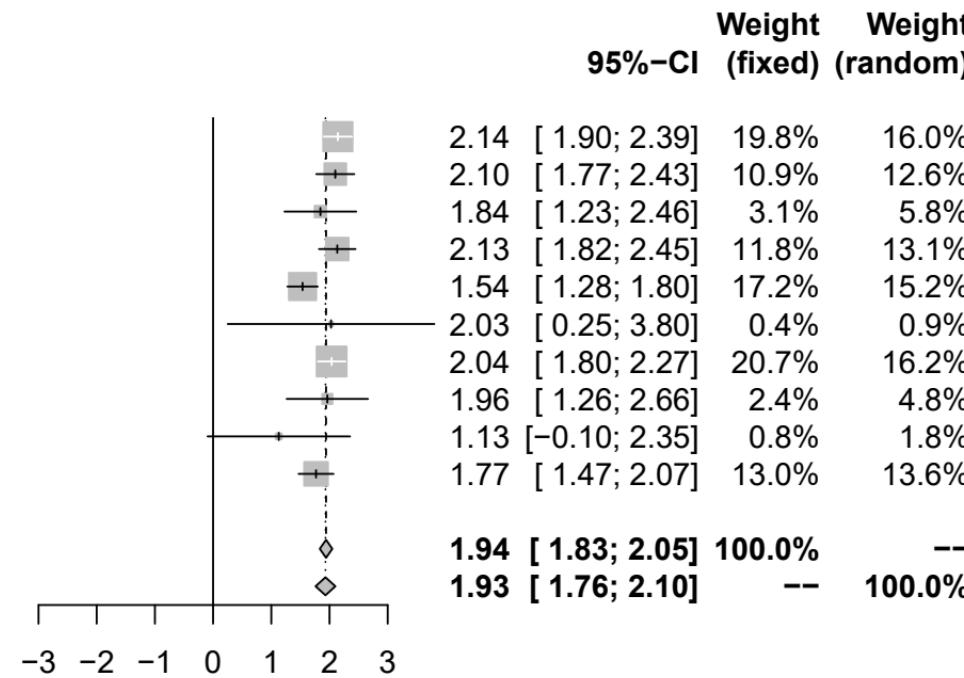
CXCL10 [chr4:76943947_A_G (rs11548618) (A/G) N=14296]

Study	b	SE
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

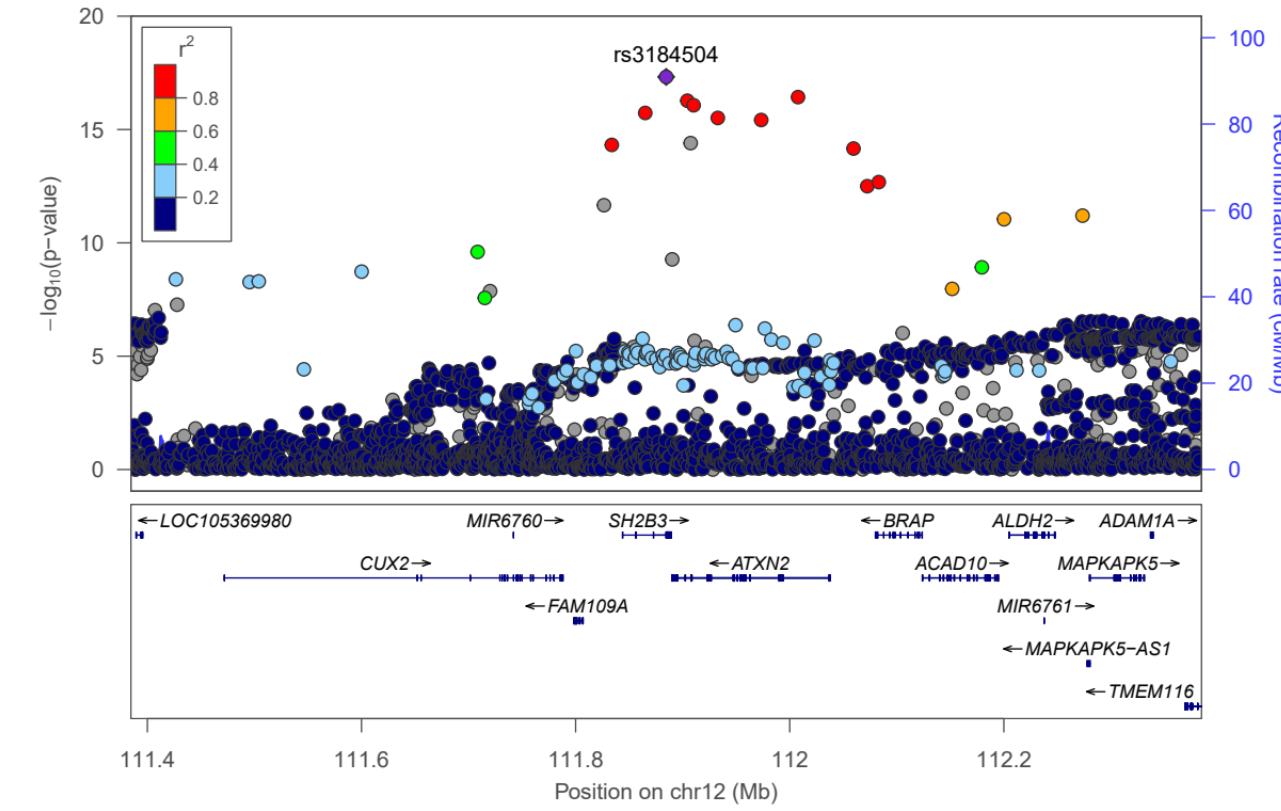
Fixed effect model

Random effects model

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



CXCL10 (CXCL10)-rs3184504



CXCL11 [chr10:64948684_C_T (rs10733789) (T/C) N=14288]

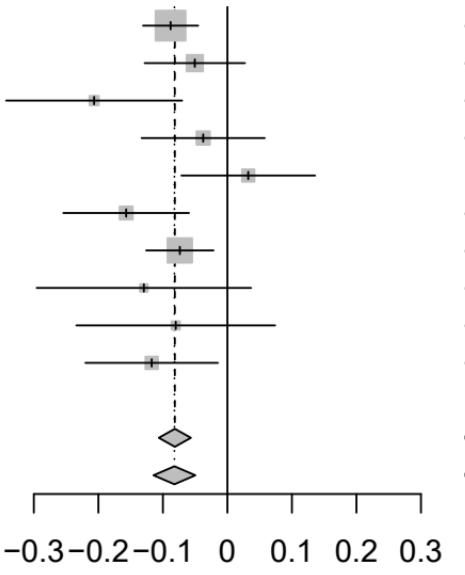
Study

	b	SE
INTERVAL (4896)	-0.09	0.0218
BioFinder (1496)	-0.05	0.0397
EGCUT (487)	-0.21	0.0696
KORA (1064)	-0.04	0.0487
NSPHS (866)	0.03	0.0529
ORCADES (982)	-0.16	0.0497
STABILITY (2951)	-0.07	0.0266
STANLEY (344)	-0.13	0.0848
STANLEY (300)	-0.08	0.0786
VIS (902)	-0.12	0.0524

Fixed effect model

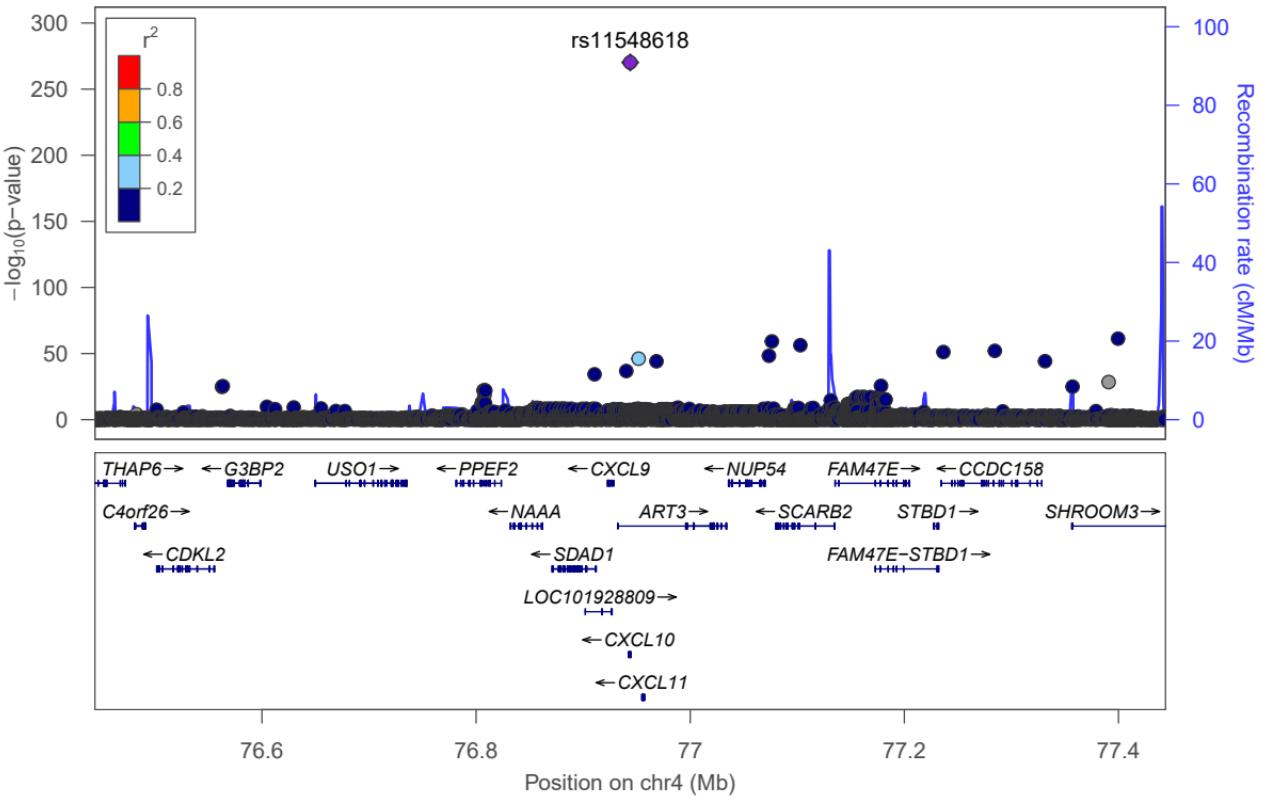
Random effects model

Heterogeneity: $I^2 = 28\%$, $\tau^2 = 0.0007$, $p = 0.18$



	Weight	95%-CI	Weight	(fixed)	(random)
	33.9%	-0.09 [-0.13; -0.05]	23.1%		
	10.2%	-0.05 [-0.13; 0.03]	12.0%		
	3.3%	-0.21 [-0.34; -0.07]	4.9%		
	6.8%	-0.04 [-0.13; 0.06]	8.9%		
	5.8%	0.03 [-0.07; 0.14]	7.8%		
	6.5%	-0.16 [-0.25; -0.06]	8.6%		
	22.7%	-0.07 [-0.13; -0.02]	19.3%		
	2.2%	-0.13 [-0.30; 0.04]	3.5%		
	2.6%	-0.08 [-0.23; 0.07]	4.0%		
	5.9%	-0.12 [-0.22; -0.01]	7.9%		
		-0.08 [-0.11; -0.06]	100.0%		--
		-0.08 [-0.11; -0.05]	--	100.0%	

CXCL10 (CXCL10)-rs11548618



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

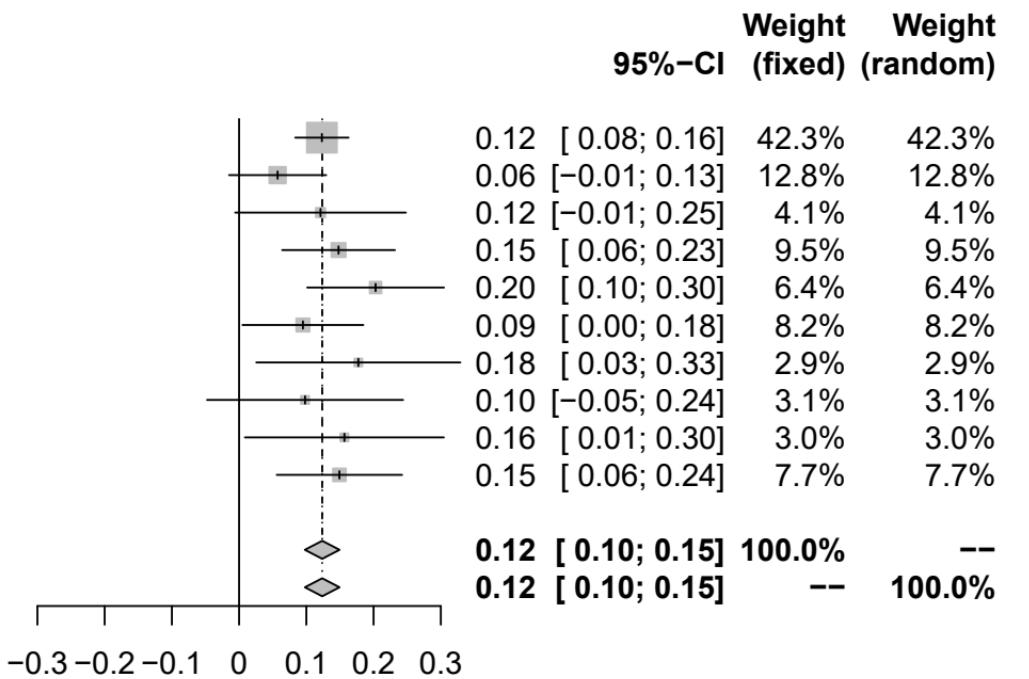
Study

	b	SE
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

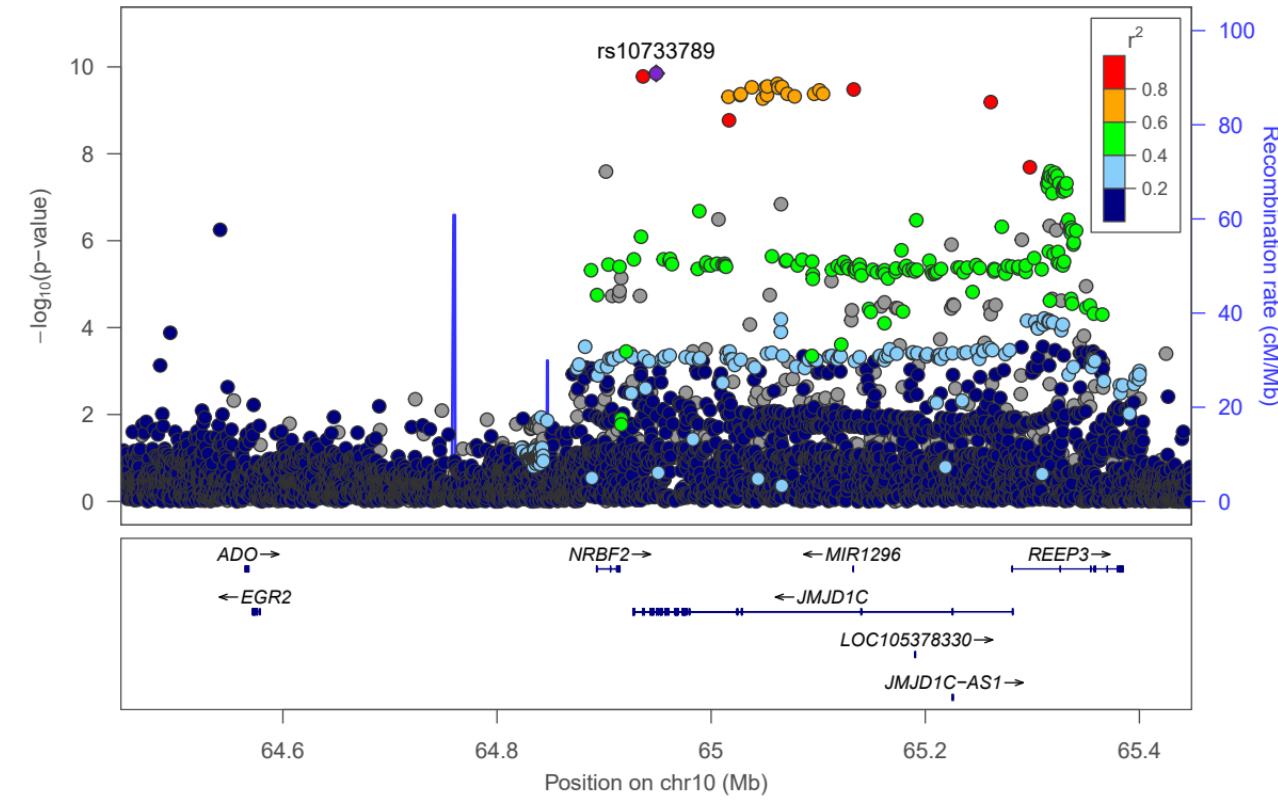
Fixed effect model

Random effects model

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



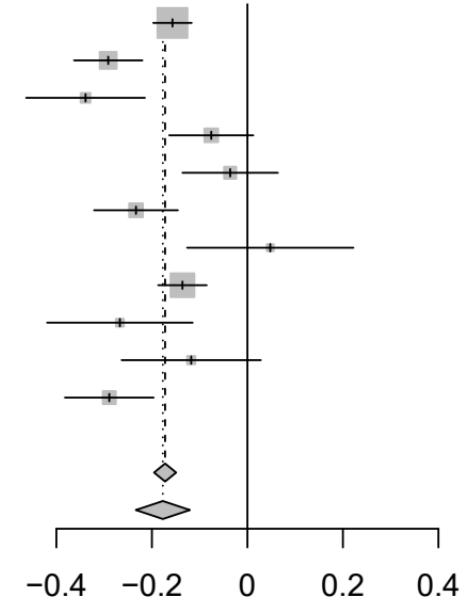
CXCL11 (CXCL11)-rs10733789



Study

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

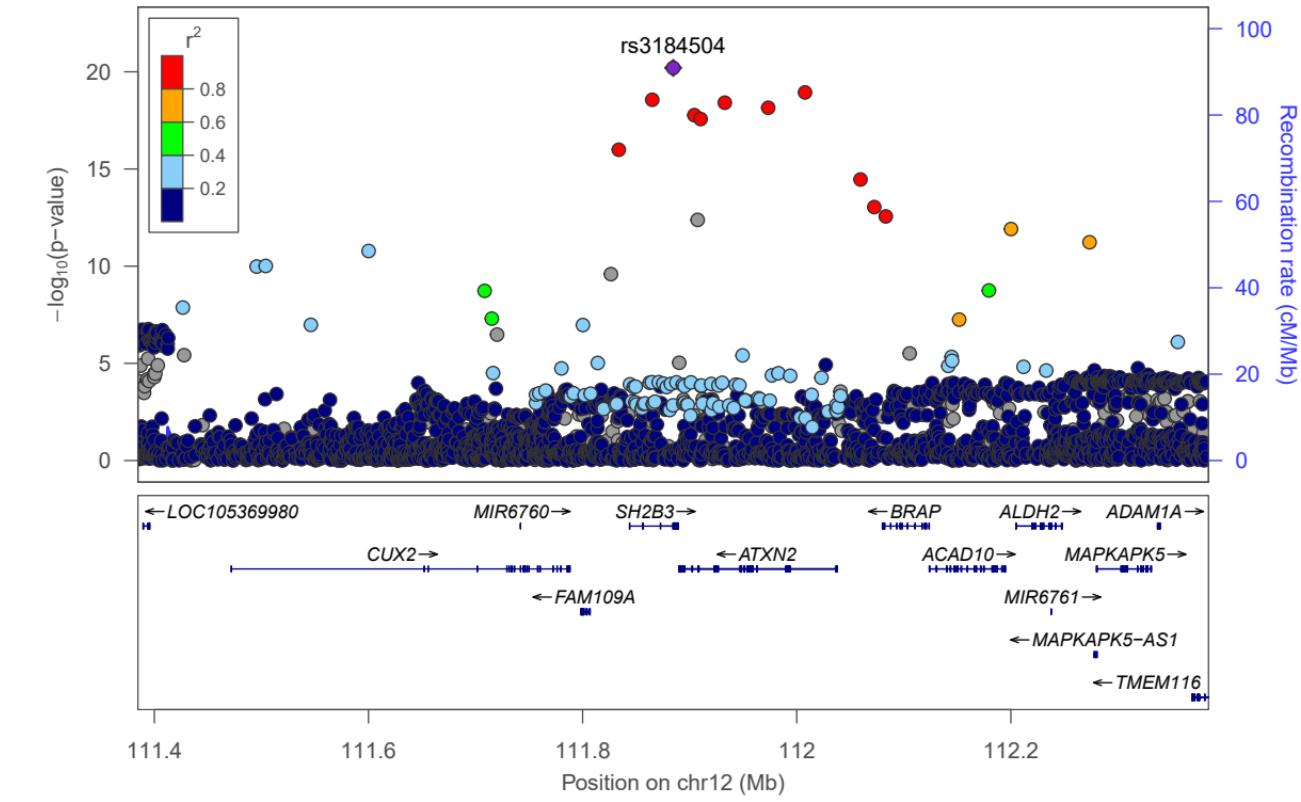
CXCL11 [chr4:76916146_A_G (rs6827617) (A/G) N=14718]

b**SE**

			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

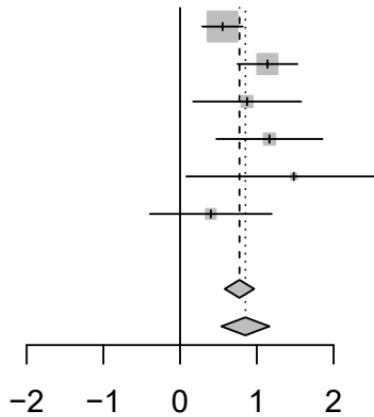


CXCL11 [chr7:101699589_G_T (rs141588580) (T/G) N=9082]

Study

	b	SE
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

b SE



**Weight
95%-CI**

	Weight (fixed)	Weight (random)
0.55 [0.29; 0.82]	53.0%	32.0%
1.14 [0.75; 1.53]	24.1%	25.2%
0.87 [0.17; 1.58]	7.4%	13.4%
1.16 [0.47; 1.86]	7.7%	13.7%
1.48 [0.08; 2.88]	1.9%	4.5%
0.40 [-0.39; 1.19]	5.8%	11.3%

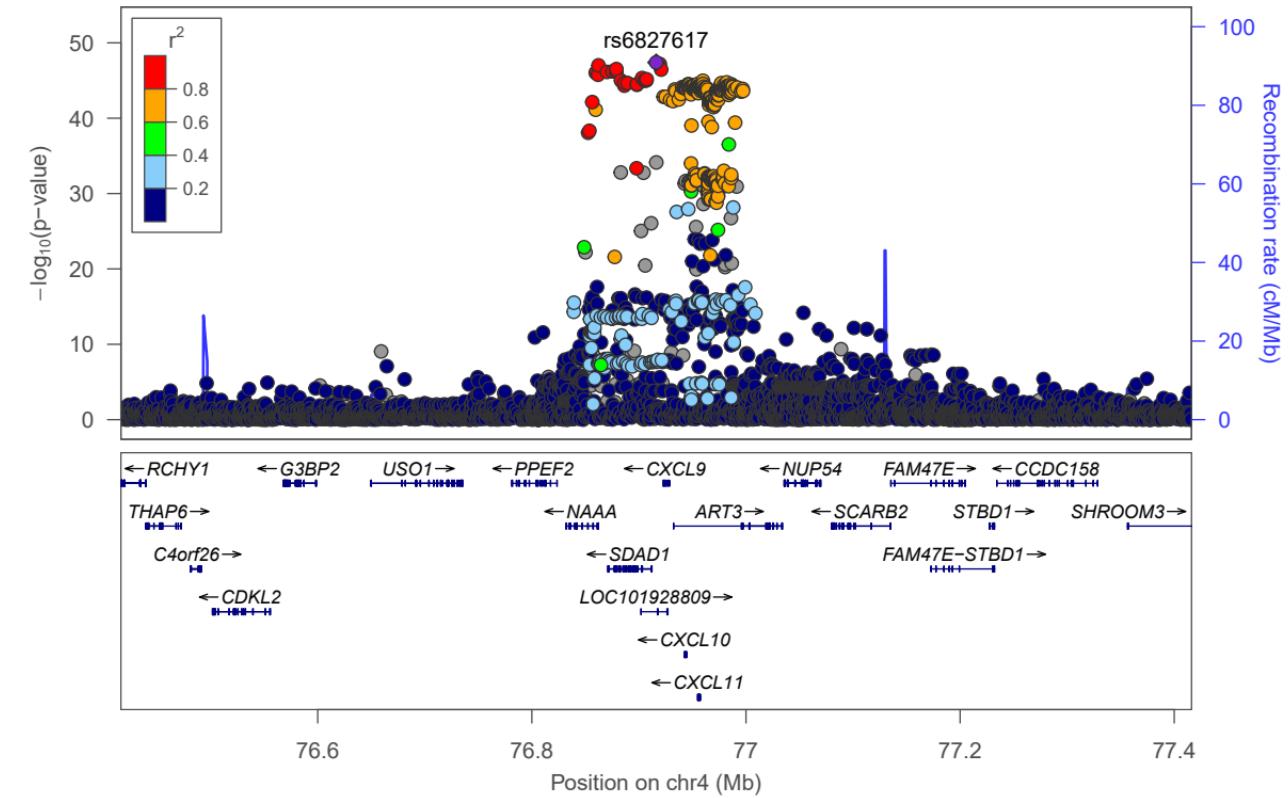
**0.77 [0.58; 0.97] 100.0%
0.85 [0.54; 1.16] -- 100.0%**

Fixed effect model

Random effects model

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

CXCL11 (CXCL11)-rs6827617

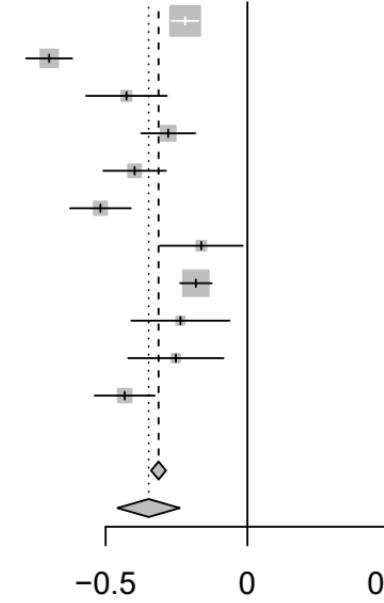


Study

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

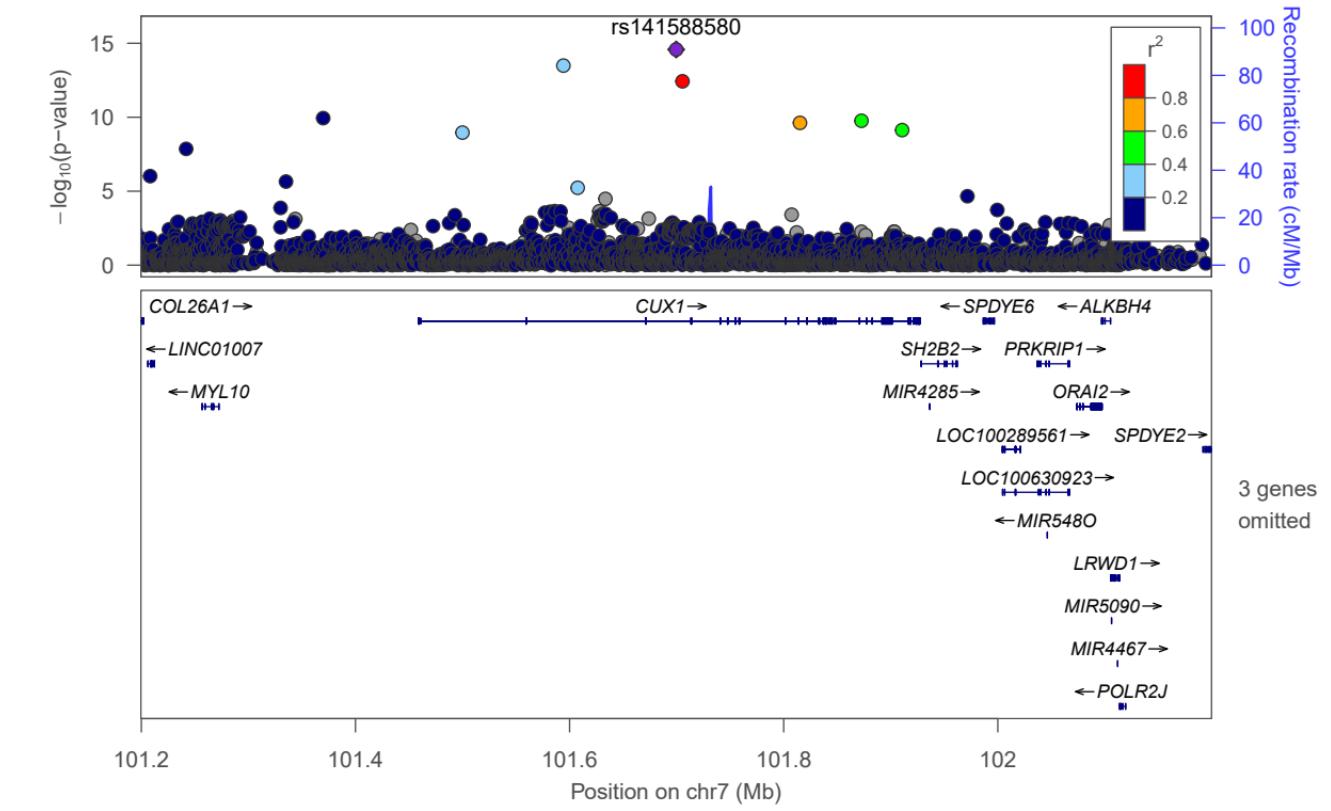
CXCL1 [chr4:74739076_G_T (rs1366949) (T/G) N=14731]**b**

SE



		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%
	Fixed effect model	-0.31 [-0.34; -0.29]	100.0%	--
	Random effects model	-0.35 [-0.46; -0.24]	--	100.0%

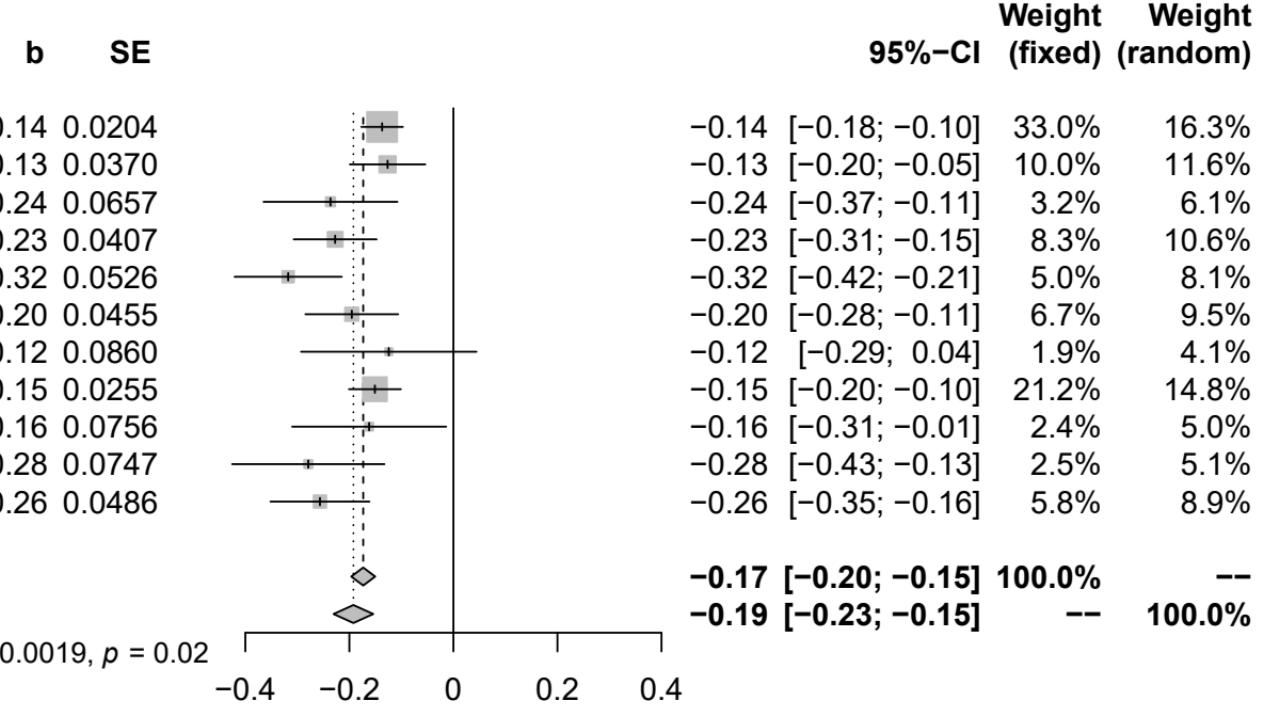
Heterogeneity: $I^2 = 93\%$, $\tau^2 = 0.0309$, $p < 0.01$

CXCL11 (CXCL11)-rs141588580

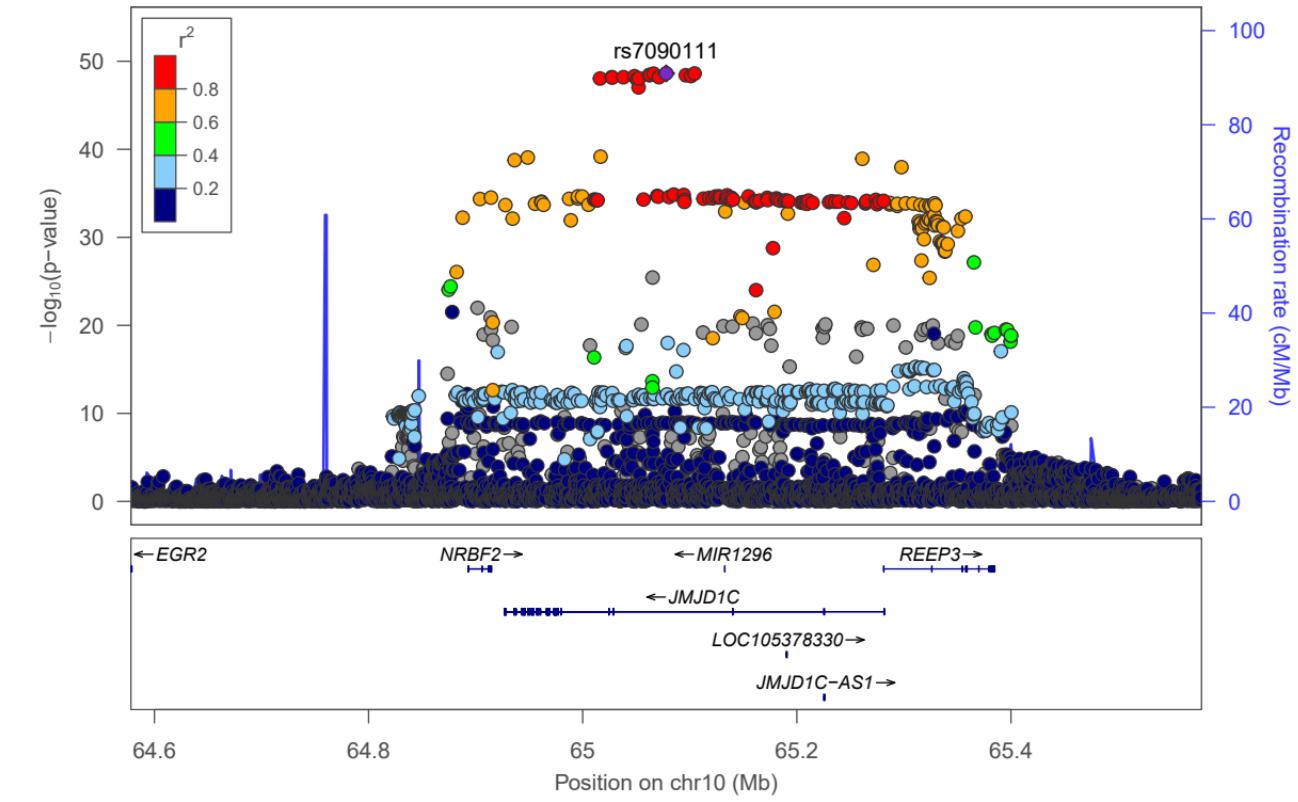
Study

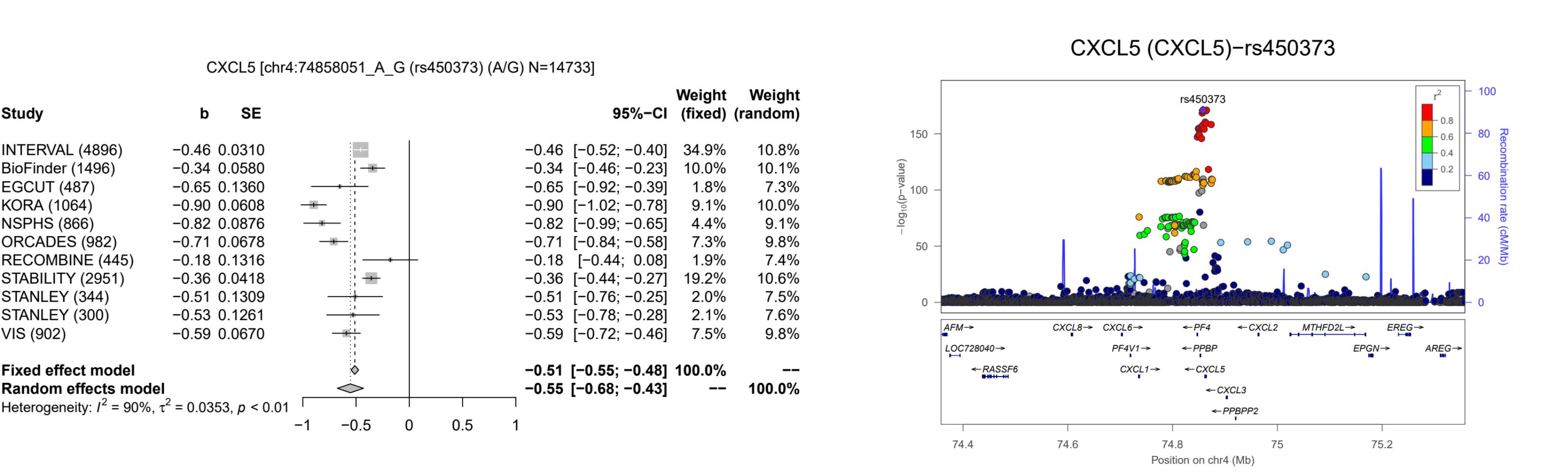
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (448)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

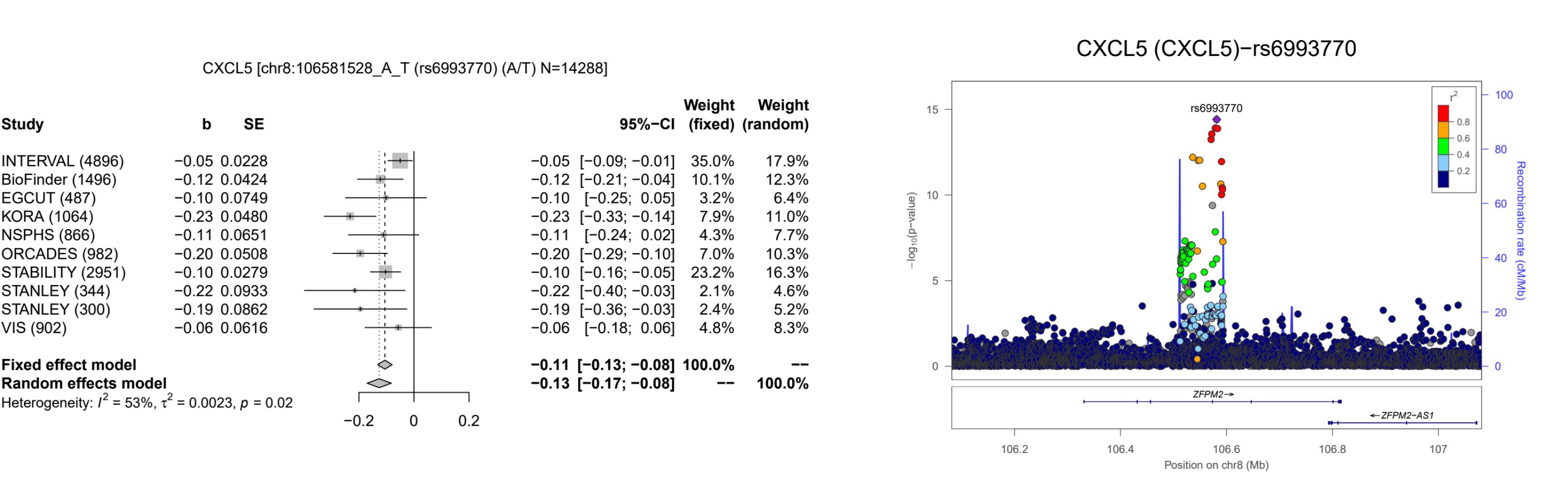
CXCL5 [chr10:65077994_C_G (rs7090111) (C/G) N=14736]



CXCL5 (CXCL5)-rs7090111





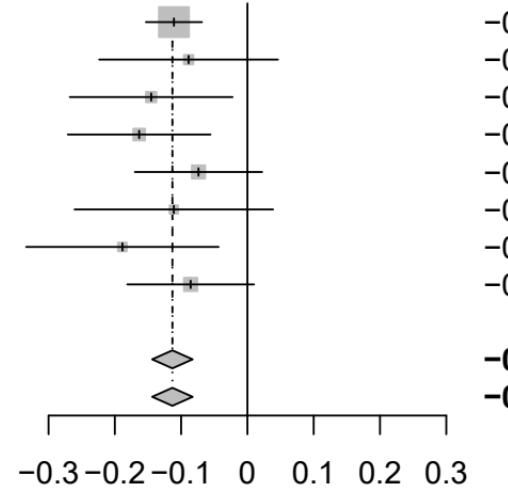


Study

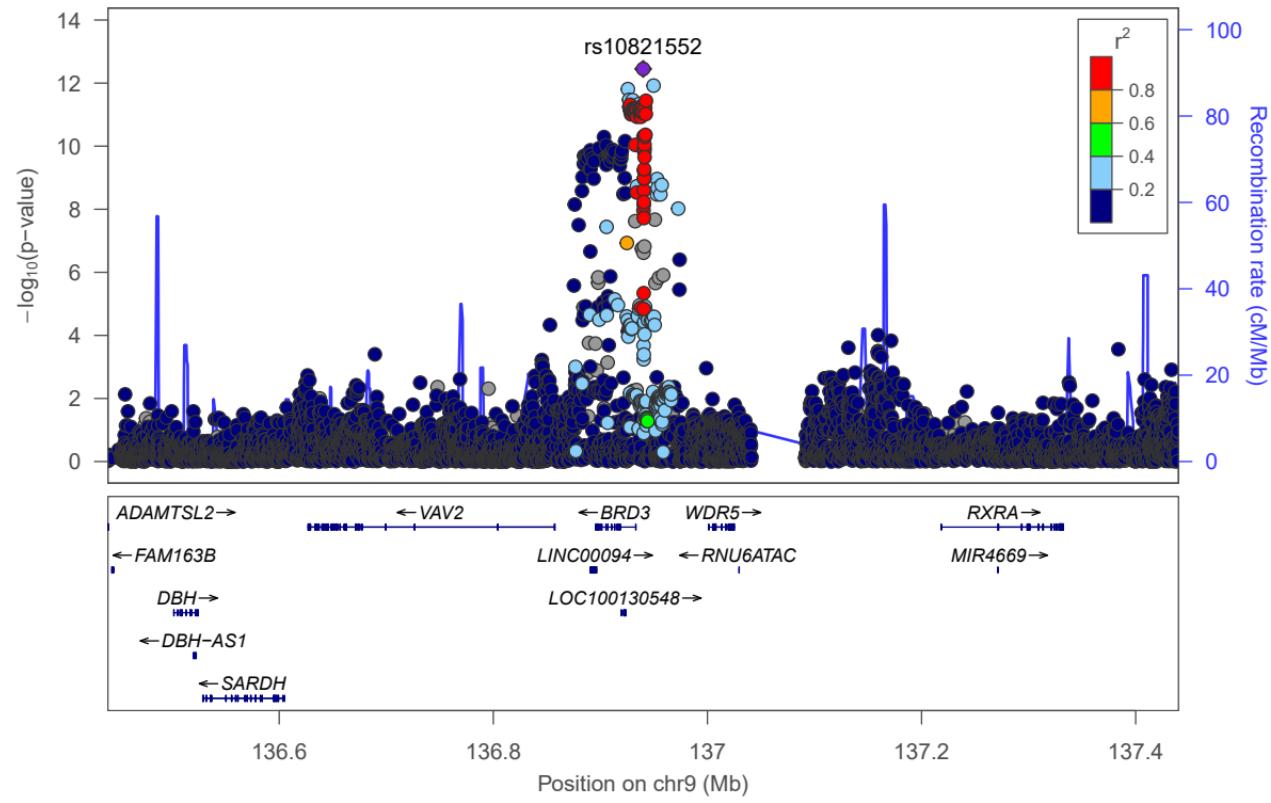
INTERVAL (4896)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
STANLEY (344)
STANLEY (300)
VIS (902)

Fixed effect model
Random effects model

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

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

			Weight 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%

CXCL5 (CXCL5)-rs10821552

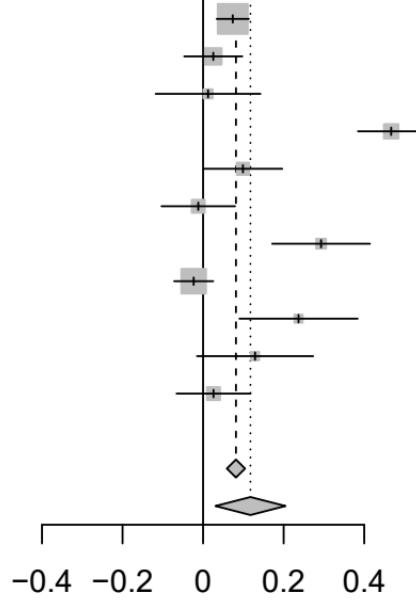
CXCL6 [chr1:159175354_A_G (rs12075) (A/G) N=14741]

Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (445)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

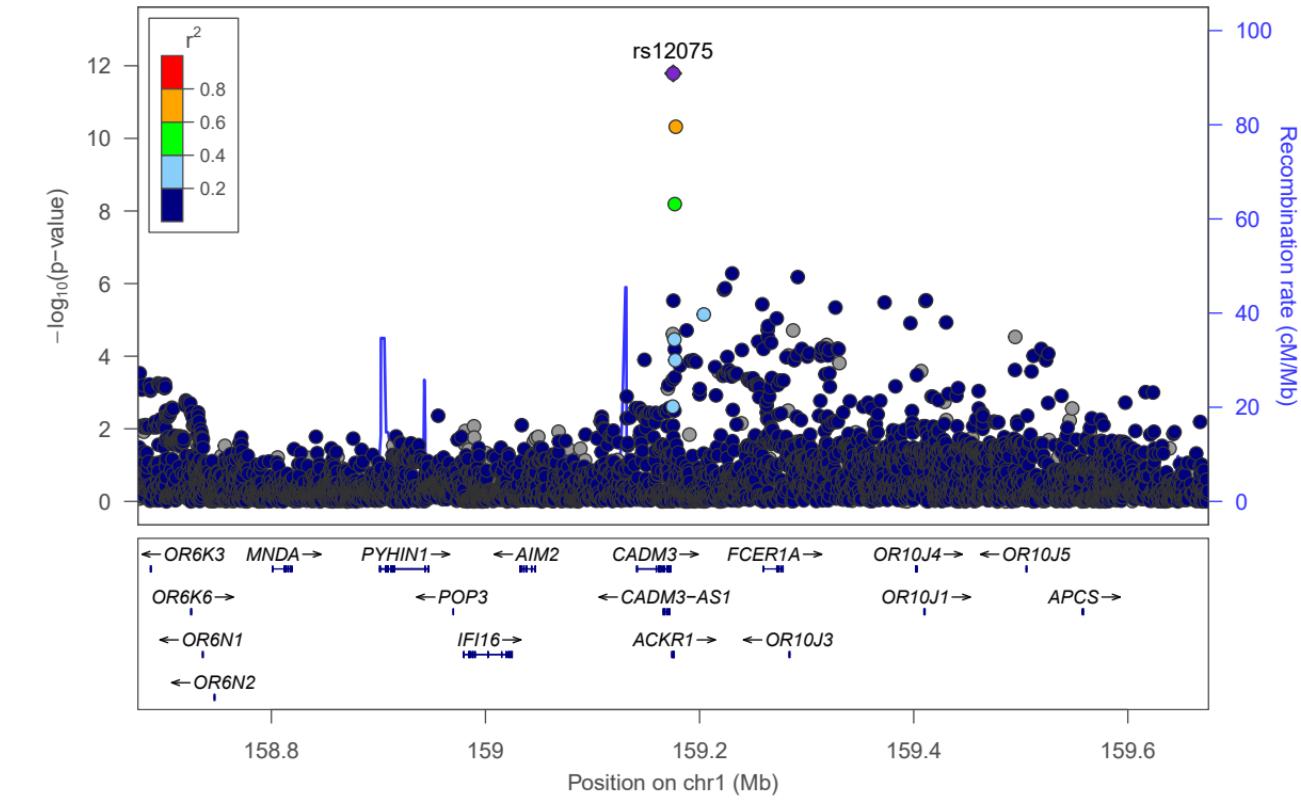
b SE

0.07 0.0204
0.03 0.0368
0.01 0.0664
0.47 0.0421
0.10 0.0498
-0.01 0.0466
0.29 0.0620
-0.02 0.0248
0.24 0.0749
0.13 0.0736
0.03 0.0469



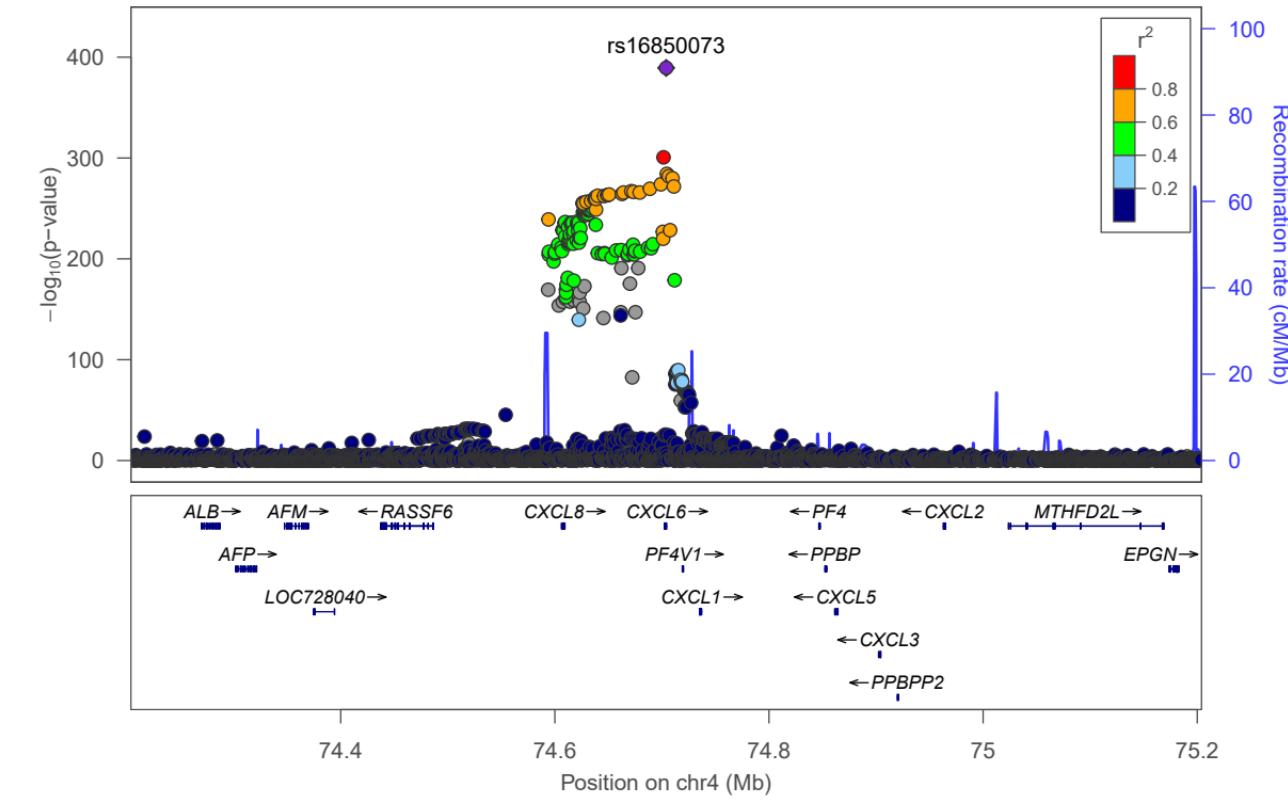
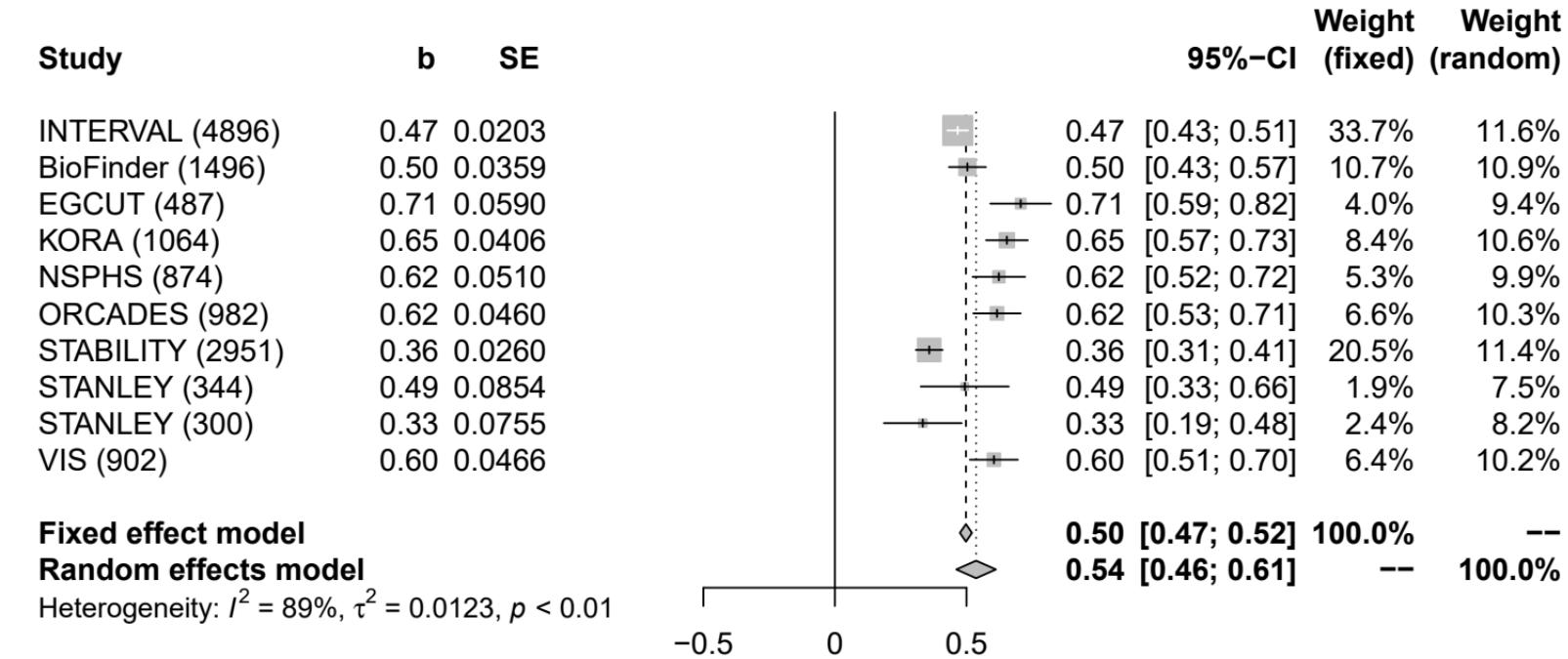
Heterogeneity: $I^2 = 92\%$, $\tau^2 = 0.0190$, $p < 0.01$

CXCL6 (CXCL6)-rs12075



CXCL6 (CXCL6)-rs16850073

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



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

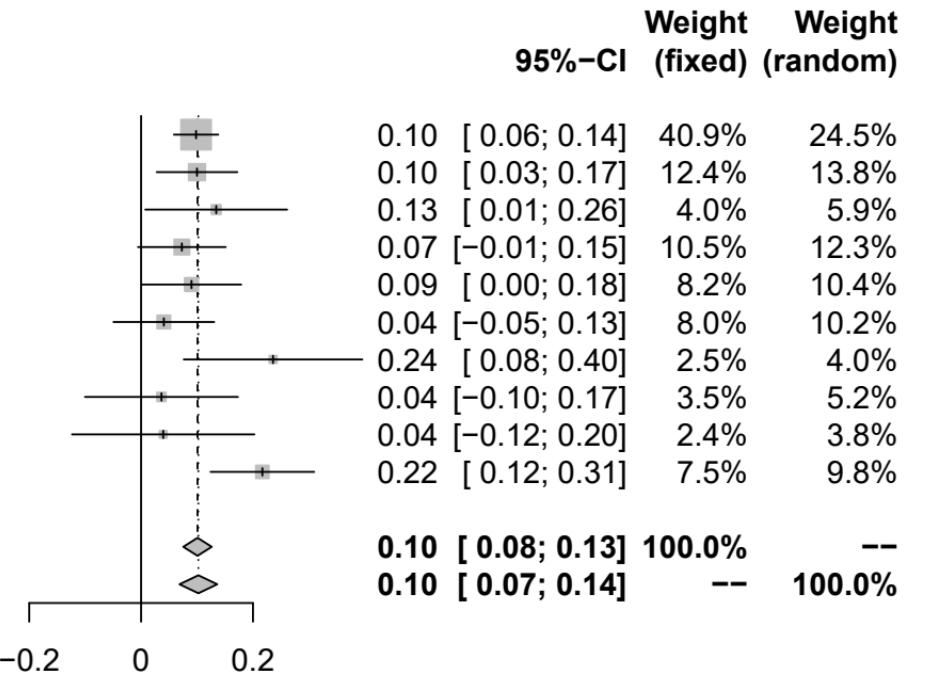
Study

	b	SE
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

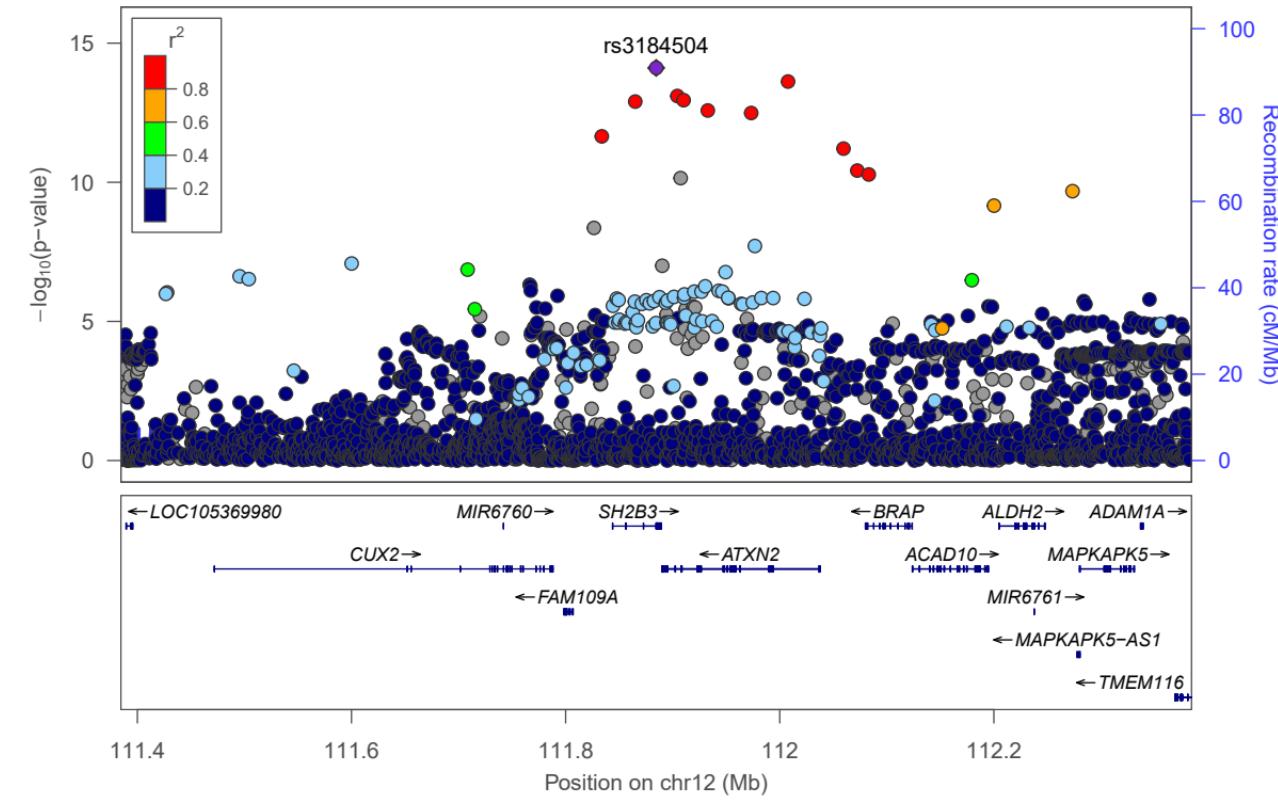
Fixed effect model

Random effects model

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



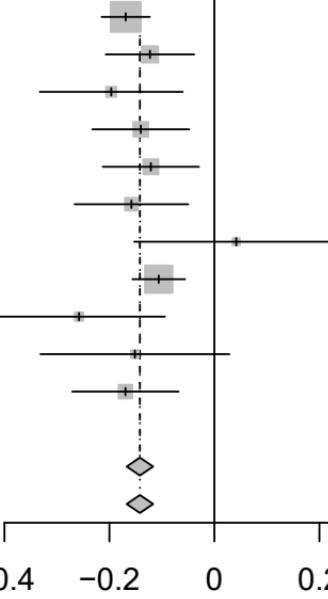
CXCL9 (CXCL9)-rs3184504



Study

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

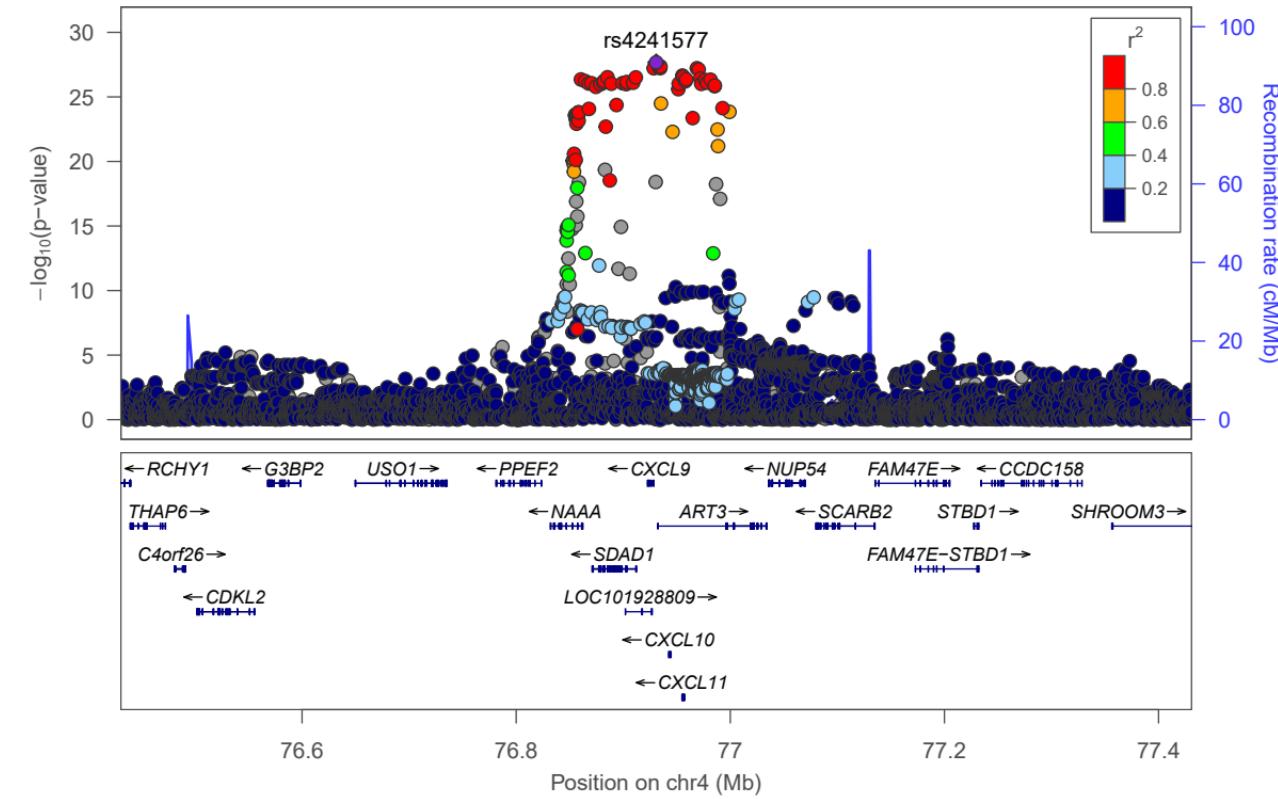
CXCL9 [chr4:76930776_A_C (rs4241577) (A/C) N=14724]

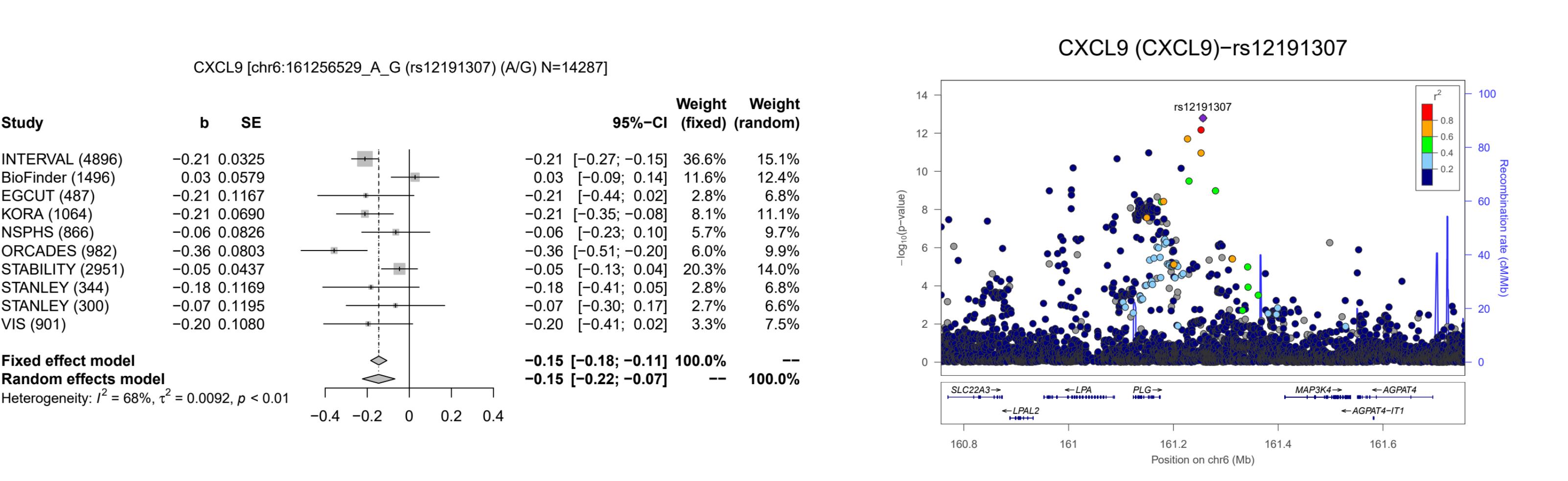
b**SE****95%-CI****Weight (fixed)****Weight (random)**

-0.17	[-0.21; -0.12]	30.0%	29.9%
-0.12	[-0.21; -0.04]	8.9%	9.0%
-0.20	[-0.33; -0.06]	3.4%	3.4%
-0.14	[-0.23; -0.05]	7.4%	7.4%
-0.12	[-0.21; -0.03]	7.5%	7.6%
-0.16	[-0.27; -0.05]	5.4%	5.4%
0.04	[-0.15; 0.24]	1.7%	1.7%
-0.11	[-0.16; -0.06]	25.1%	25.0%
-0.26	[-0.42; -0.09]	2.4%	2.4%
-0.15	[-0.33; 0.03]	2.0%	2.0%
-0.17	[-0.27; -0.07]	6.2%	6.2%

-0.14 [-0.17; -0.12] 100.0%**-0.14 [-0.17; -0.12] -- 100.0%****Fixed effect model****Random effects model**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]

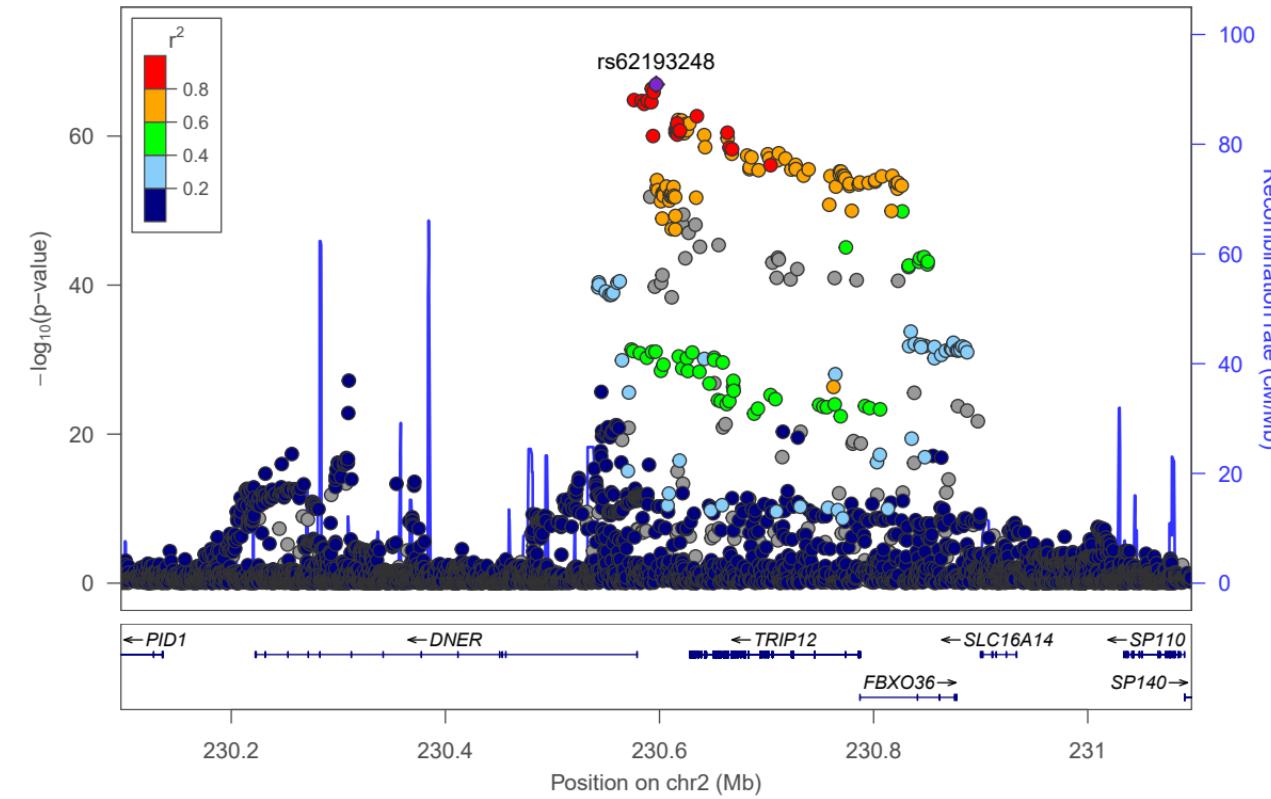
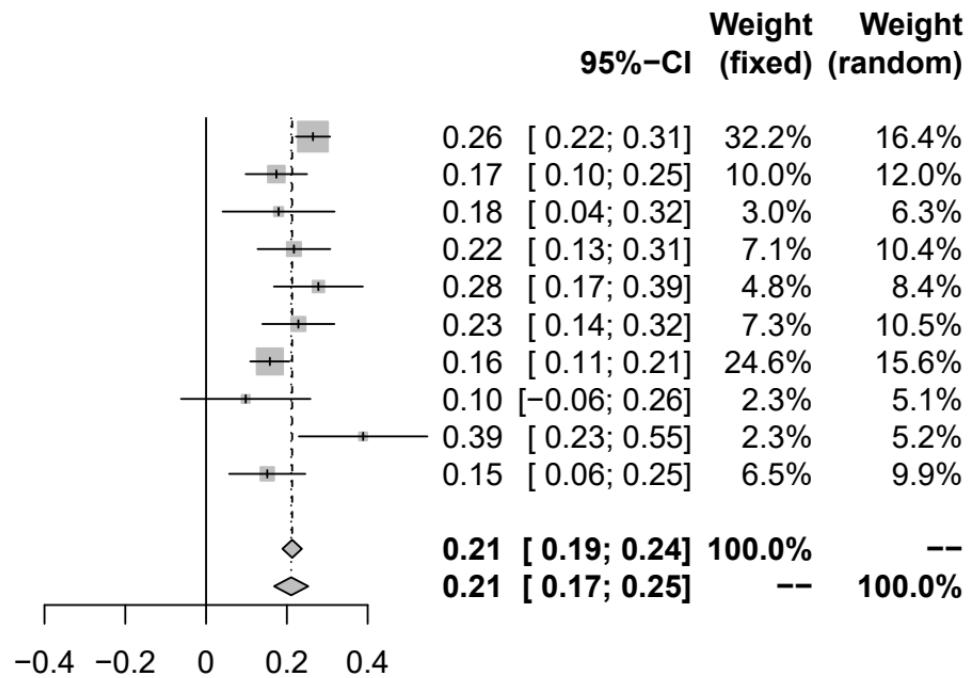
Study

	b	SE
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

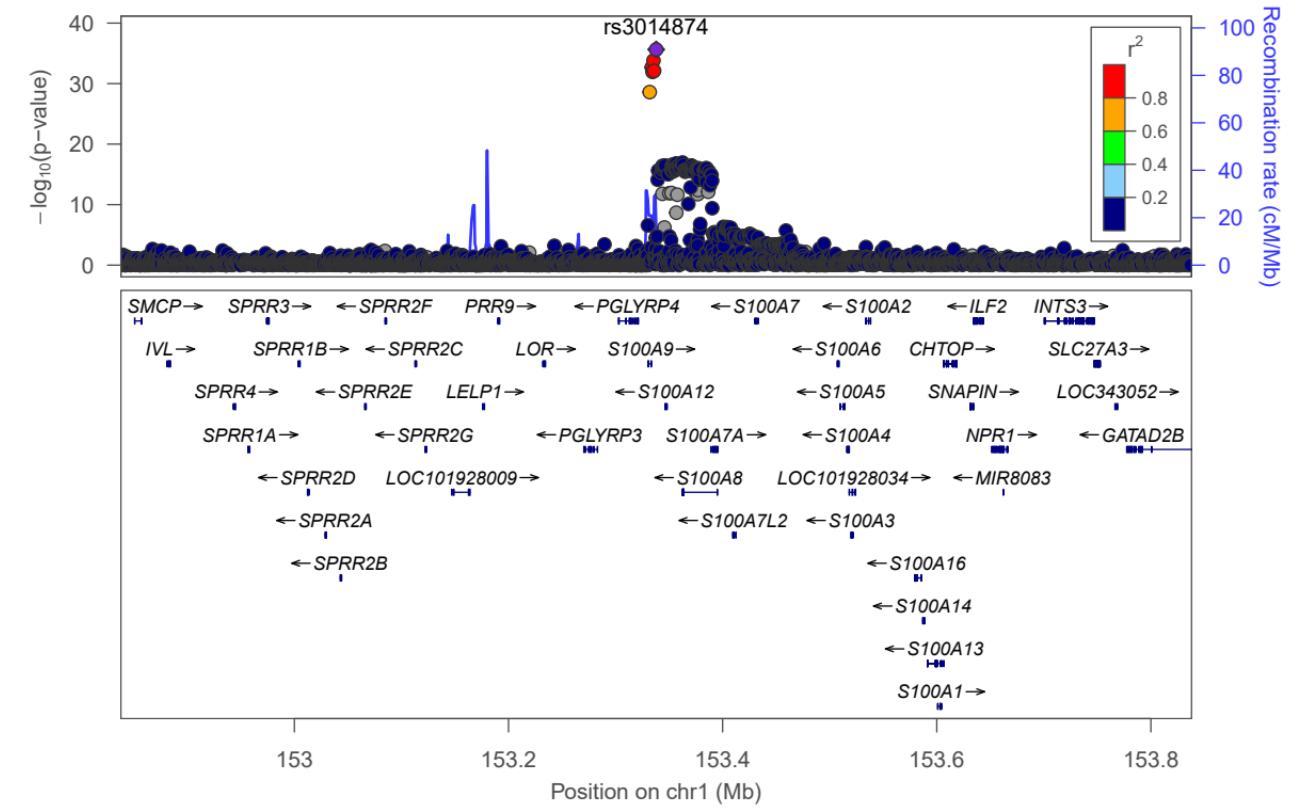
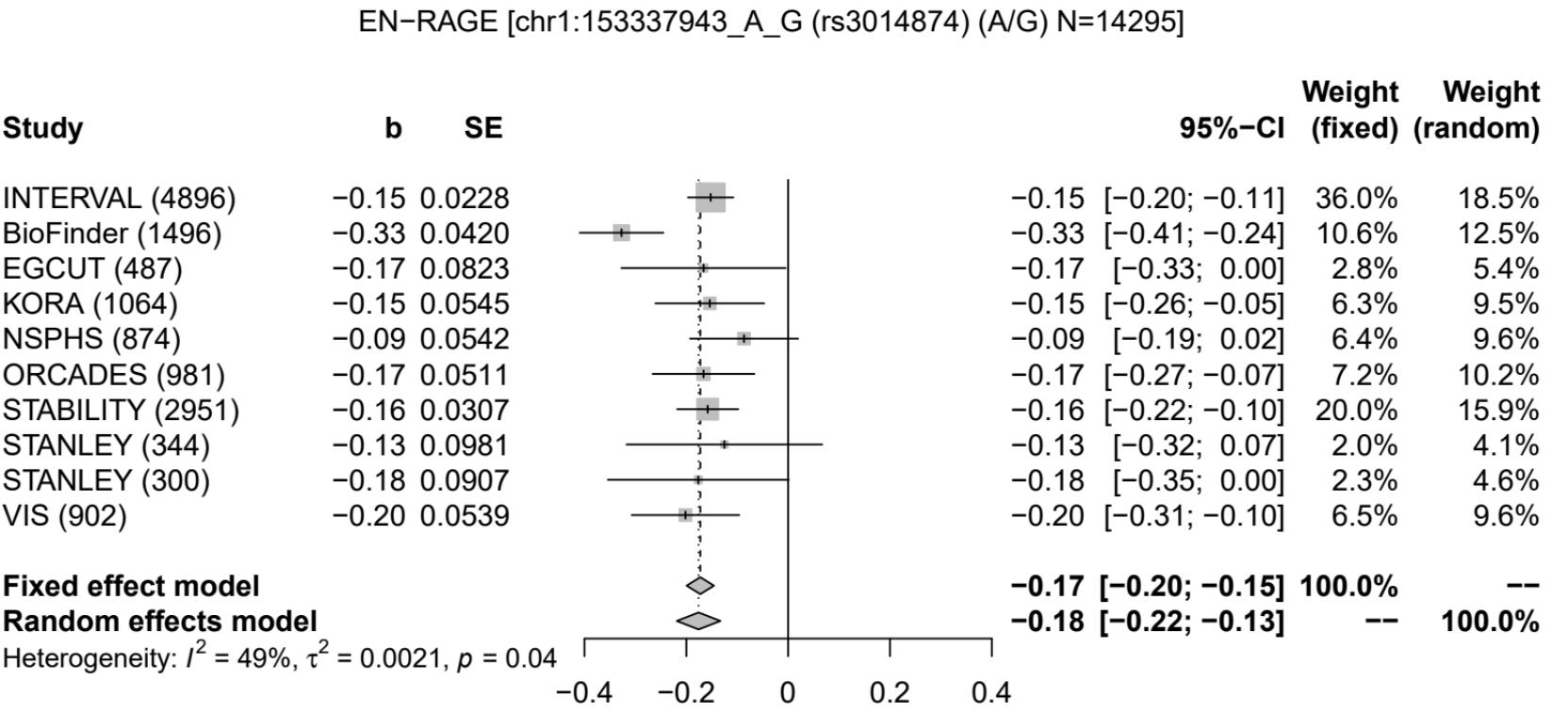
Fixed effect model

Random effects model

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



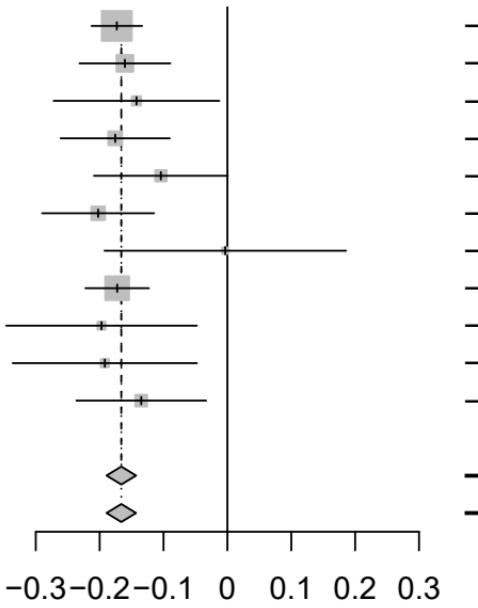
EN-RAGE (S100A12)-rs3014874



Study

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

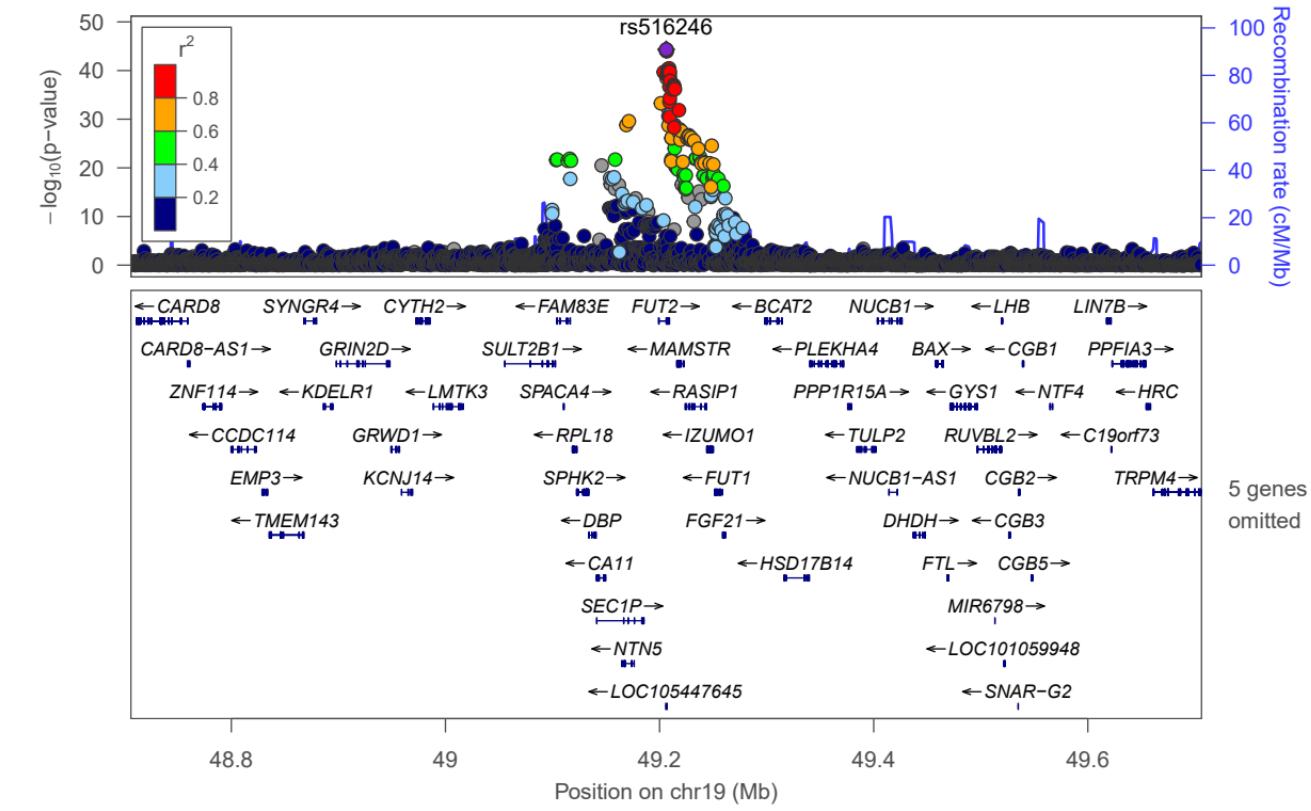
FGF-19 [chr19:49206172_C_T (rs516246) (T/C) N=14744]

b **SE**

		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%	
Fixed effect model	-0.17 [-0.19; -0.14]	100.0%	--	
Random effects model	-0.17 [-0.19; -0.14]	--	100.0%	

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.83$

FGF-19 (FGF19)-rs516246



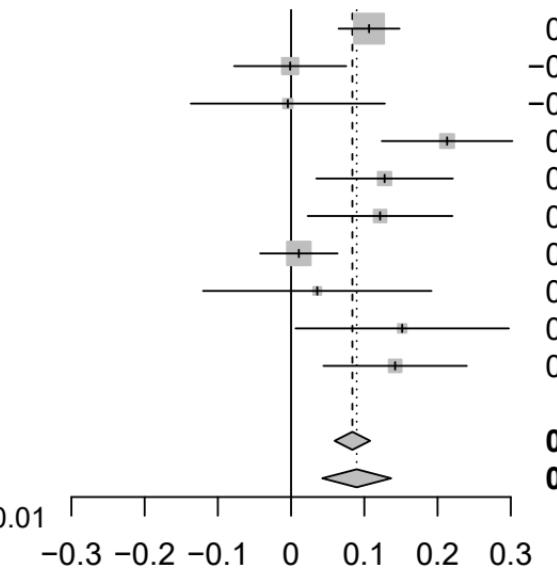
FGF-19 [chr4:39457617_A_G (rs13103023) (A/G) N=14296]

Study

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

b SE

0.11 0.0212
-0.00 0.0390
-0.00 0.0676
0.21 0.0455
0.13 0.0476
0.12 0.0504
0.01 0.0270
0.04 0.0796
0.15 0.0743
0.14 0.0499



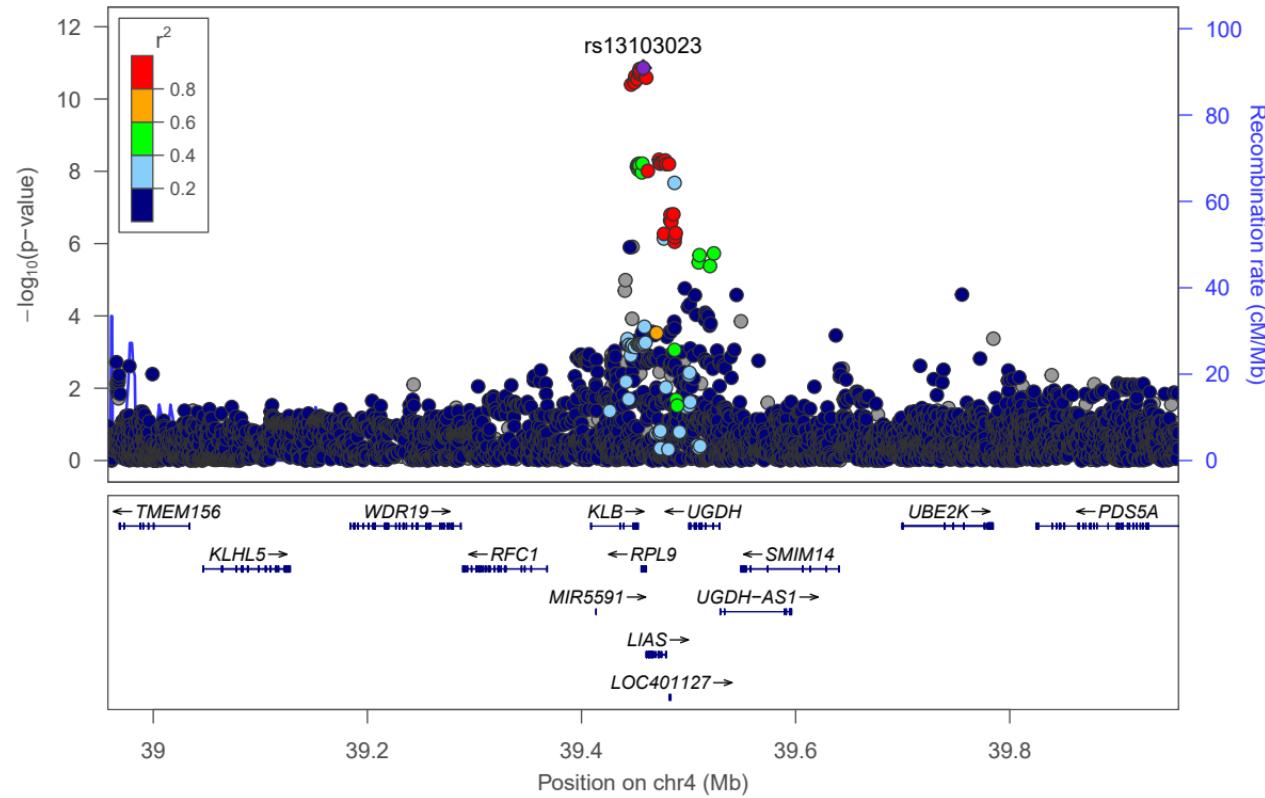
		95%-CI	Weight (fixed)	Weight (random)
		0.11 [0.06; 0.15]	34.0%	14.9%
		-0.00 [-0.08; 0.08]	10.1%	11.7%
		-0.00 [-0.14; 0.13]	3.4%	7.2%
		0.21 [0.12; 0.30]	7.4%	10.5%
		0.13 [0.03; 0.22]	6.8%	10.1%
		0.12 [0.02; 0.22]	6.0%	9.7%
		0.01 [-0.04; 0.06]	21.1%	13.9%
		0.04 [-0.12; 0.19]	2.4%	5.9%
		0.15 [0.01; 0.30]	2.8%	6.4%
		0.14 [0.04; 0.24]	6.1%	9.7%
		0.08 [0.06; 0.11]	100.0%	--
		0.09 [0.04; 0.14]	--	100.0%

Fixed effect model

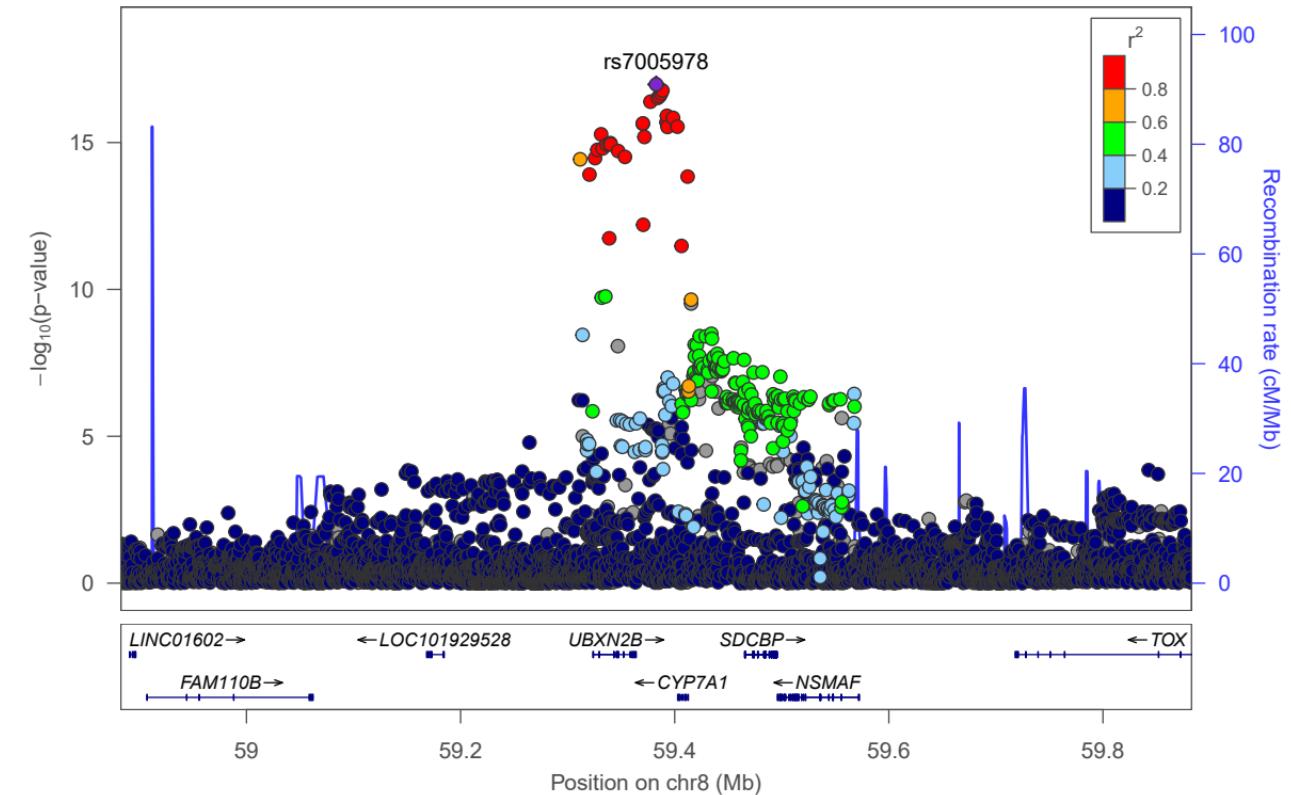
Random effects model

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

FGF-19 (FGF19)-rs13103023

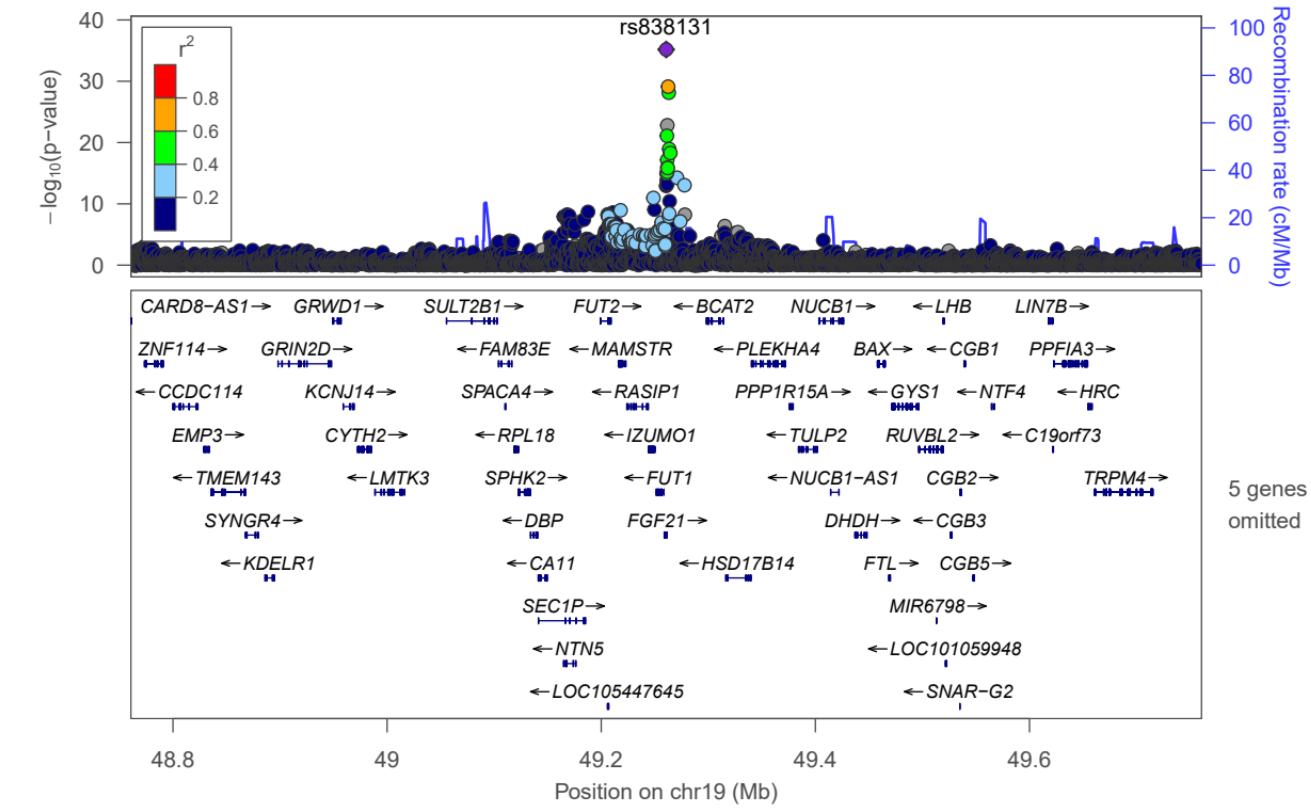
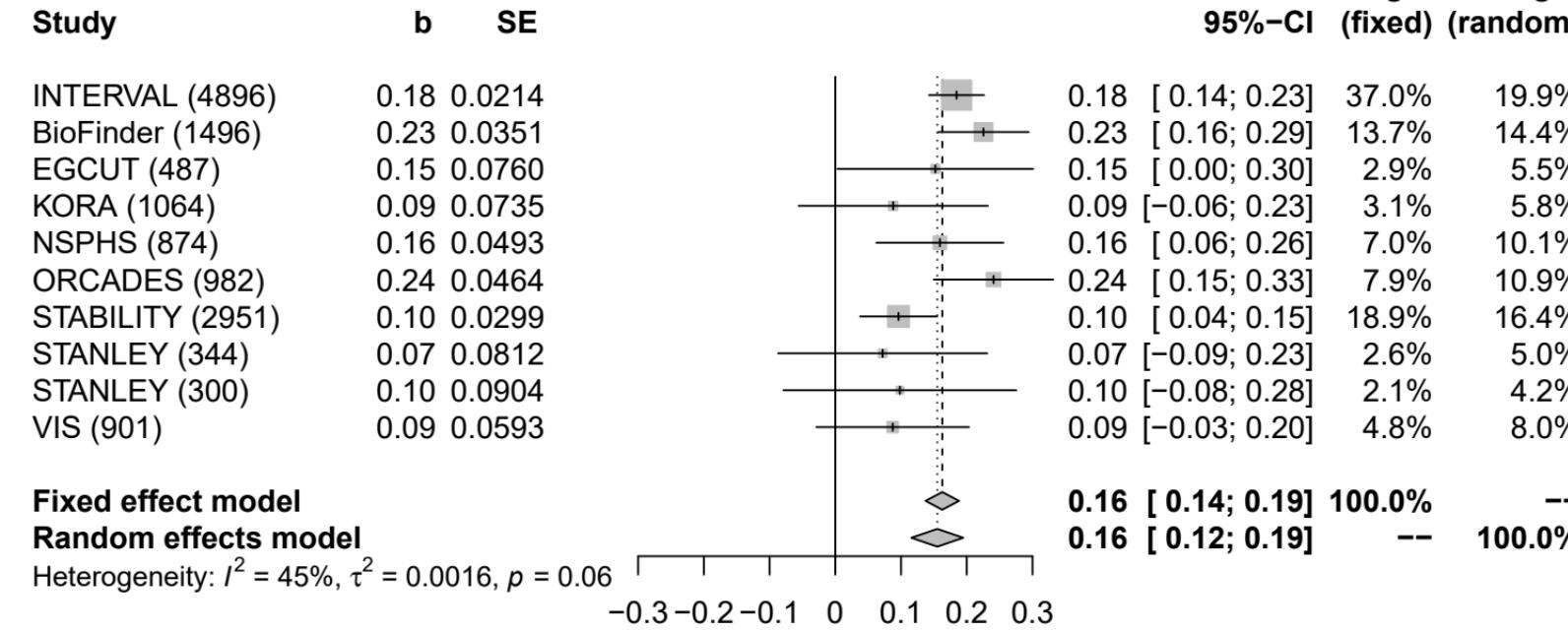


FGF-19 (FGF19)-rs7005978



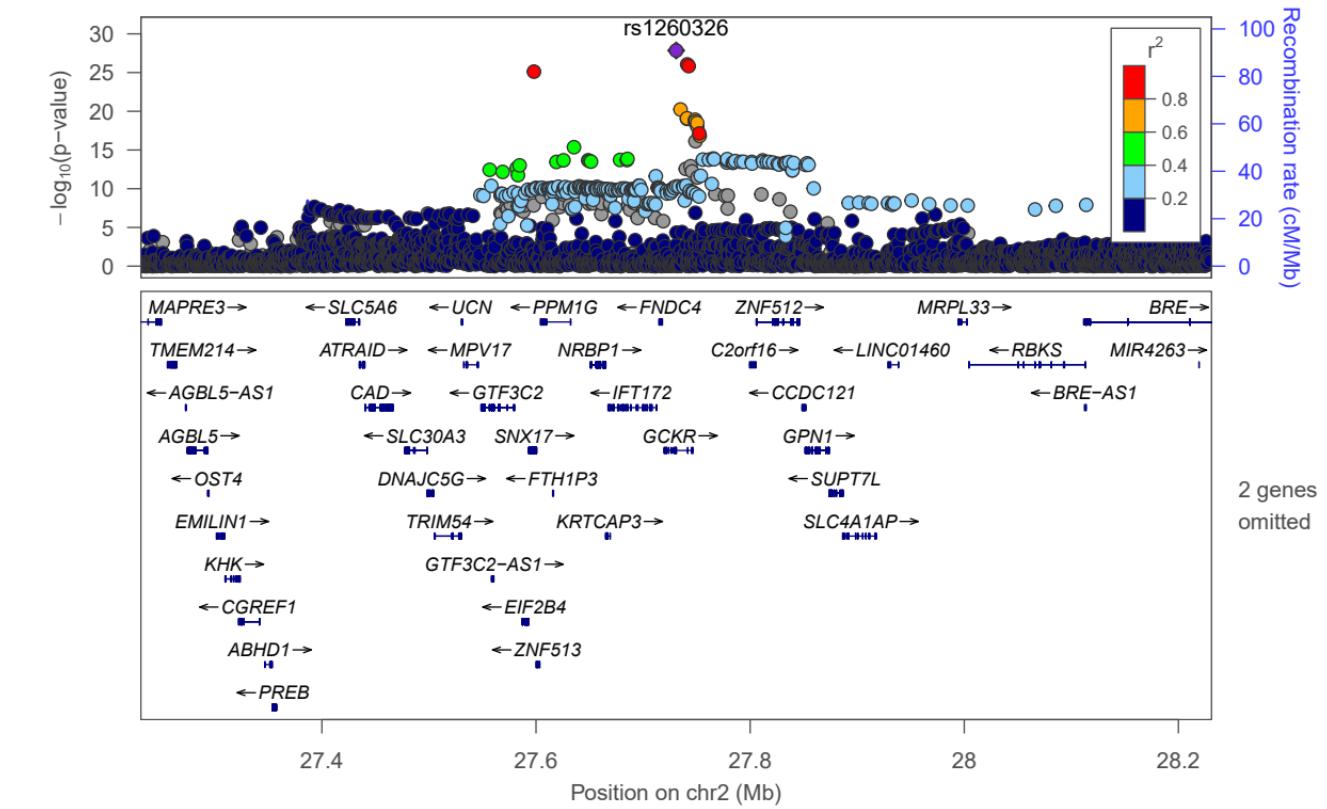
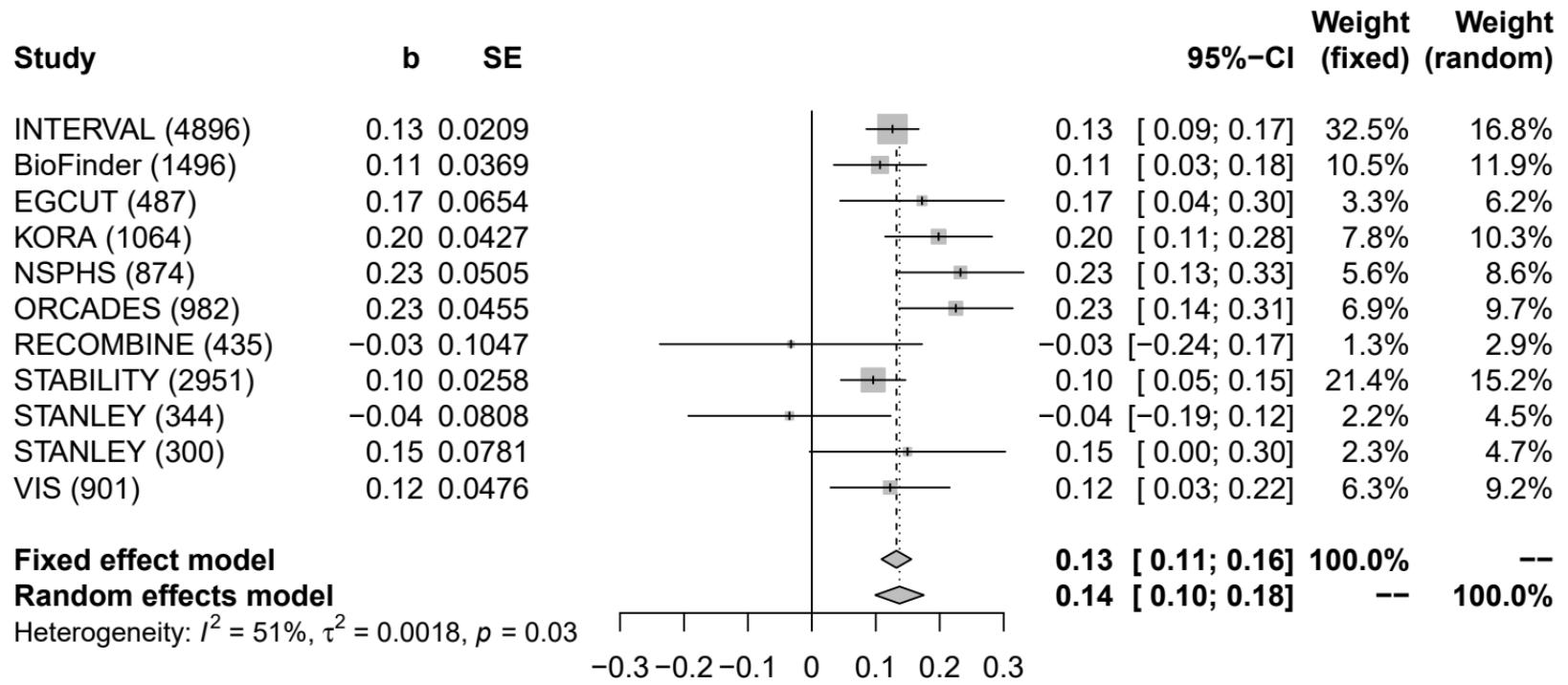
FGF-21 (FGF21)-rs838131

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



FGF-21 (FGF21)-rs1260326

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



FGF-21 (FGF21)-rs13229619

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

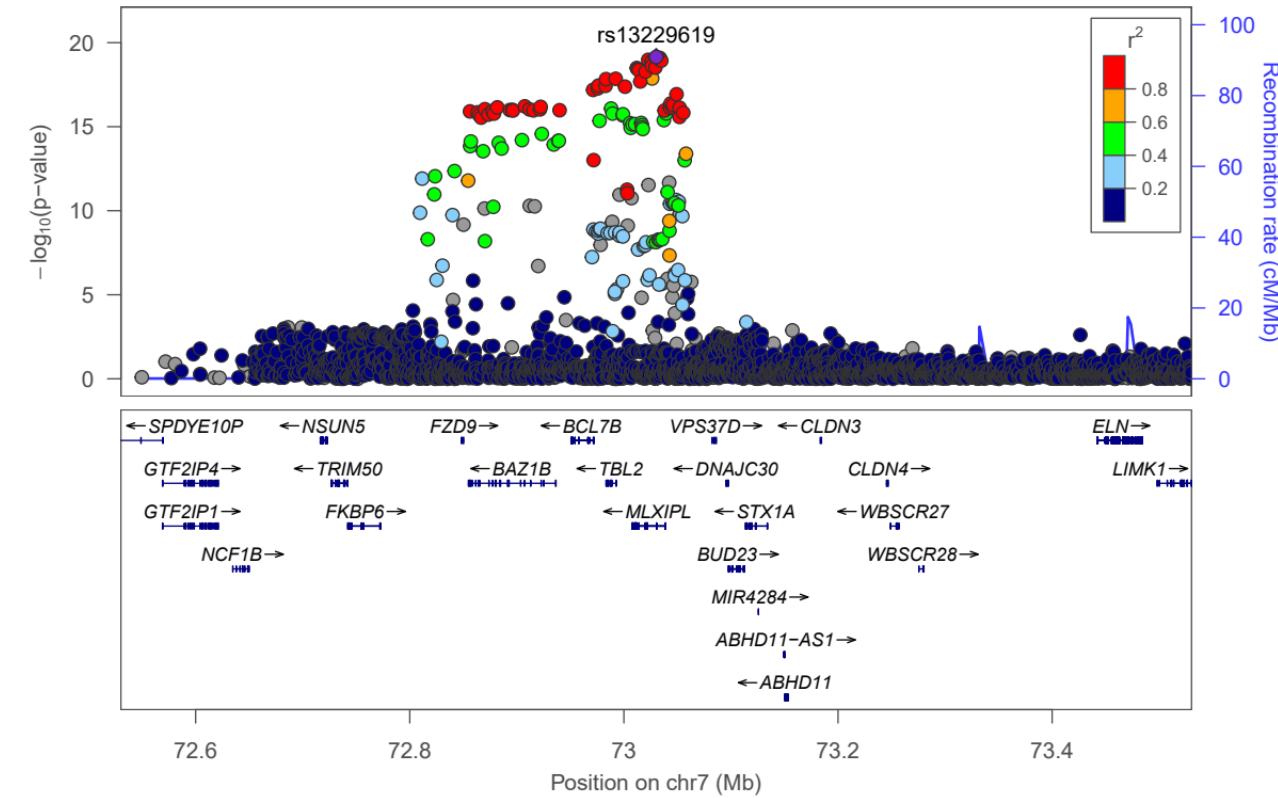
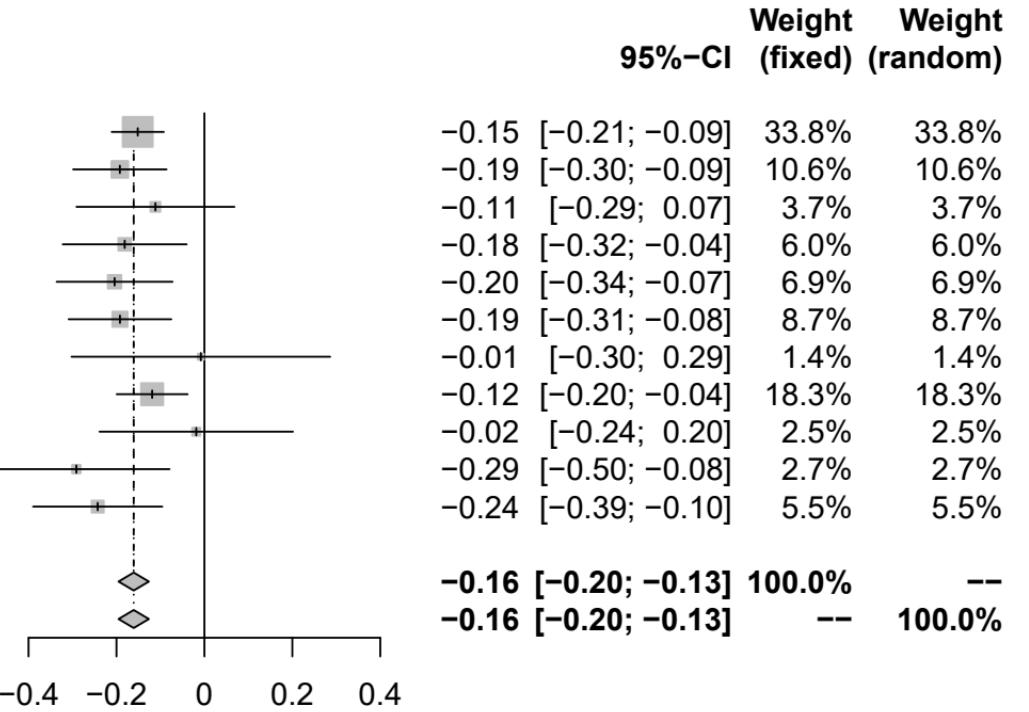
Study

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



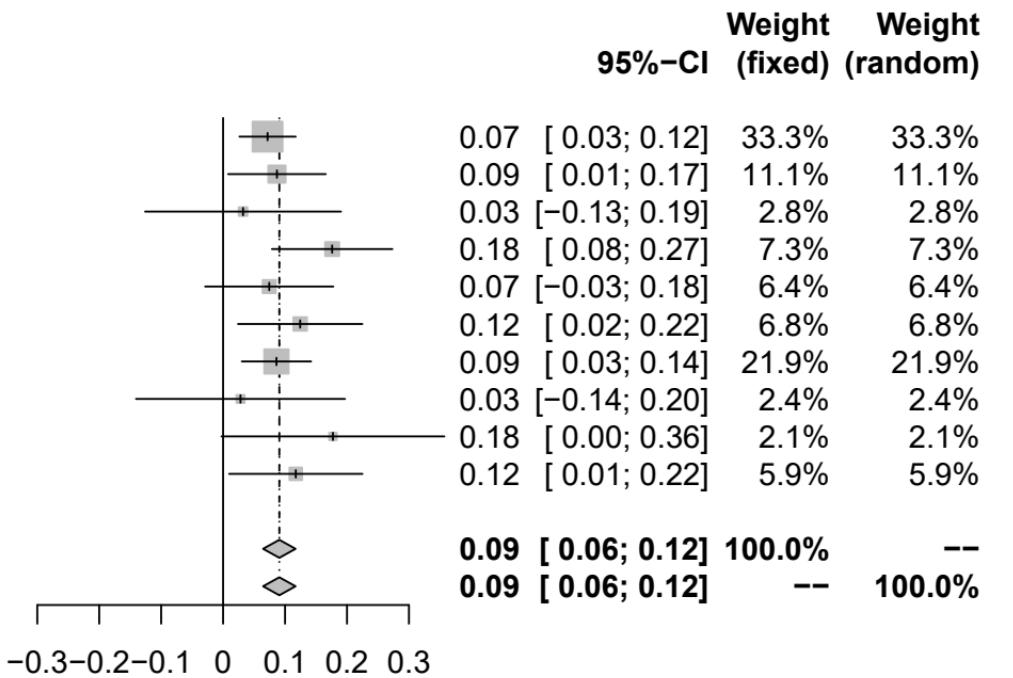
FGF-23 [chr20:52731402_A_T (rs6127099) (A/T) N=14287]

Study	b	SE
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

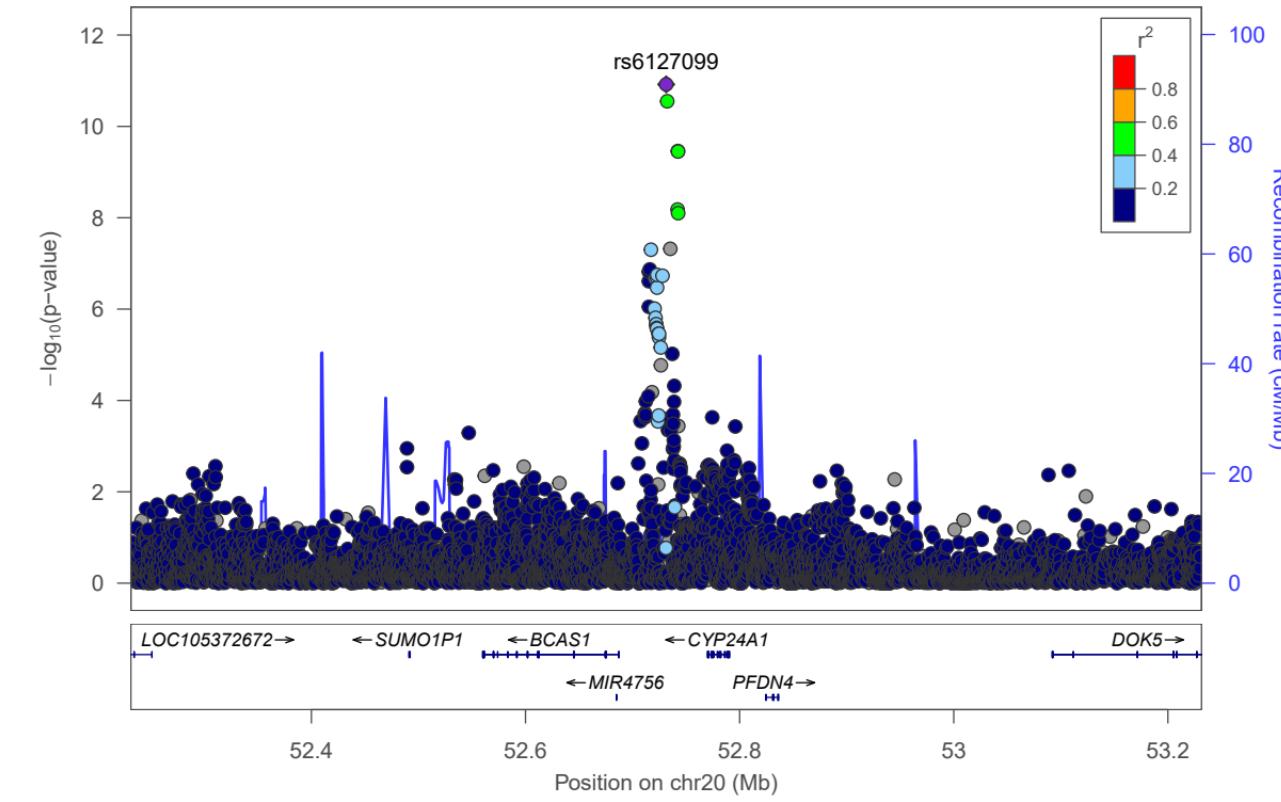
Fixed effect model

Random effects model

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



FGF-23 (FGF23)-rs6127099



FGF-23 (FGF23)-rs3811621

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

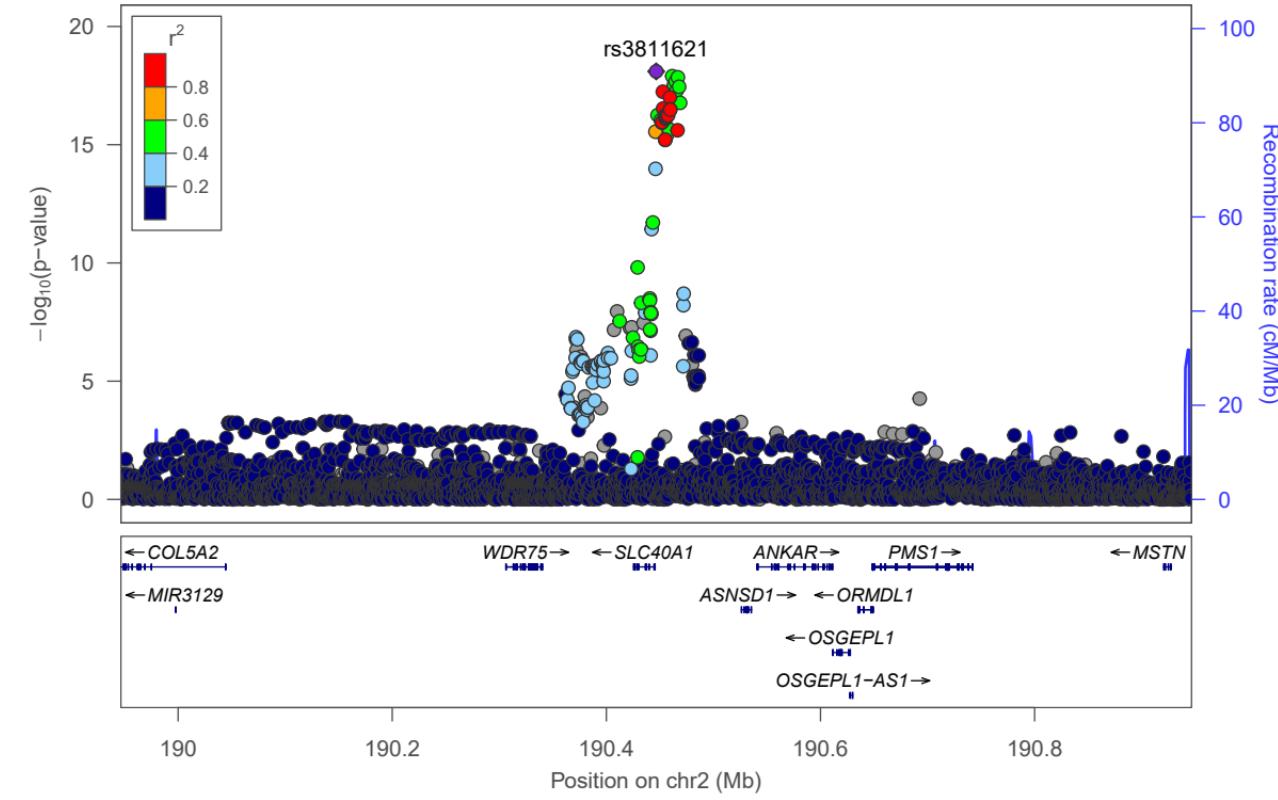
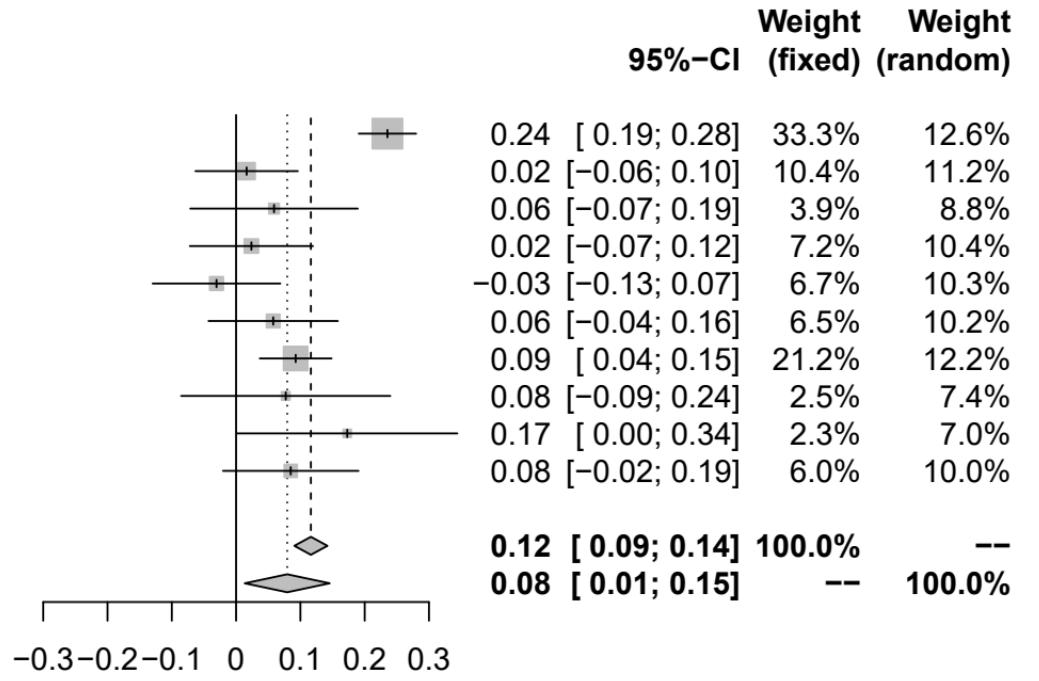
Study

	b	SE
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

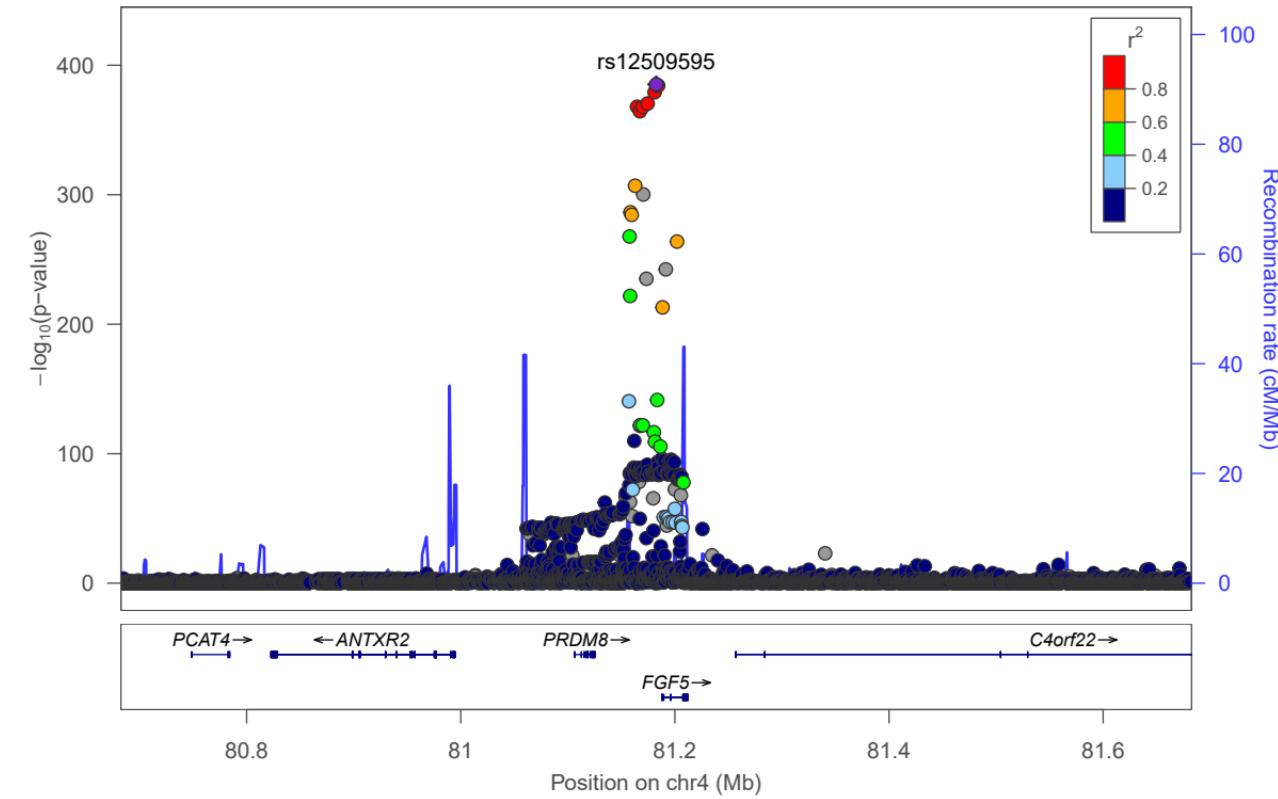
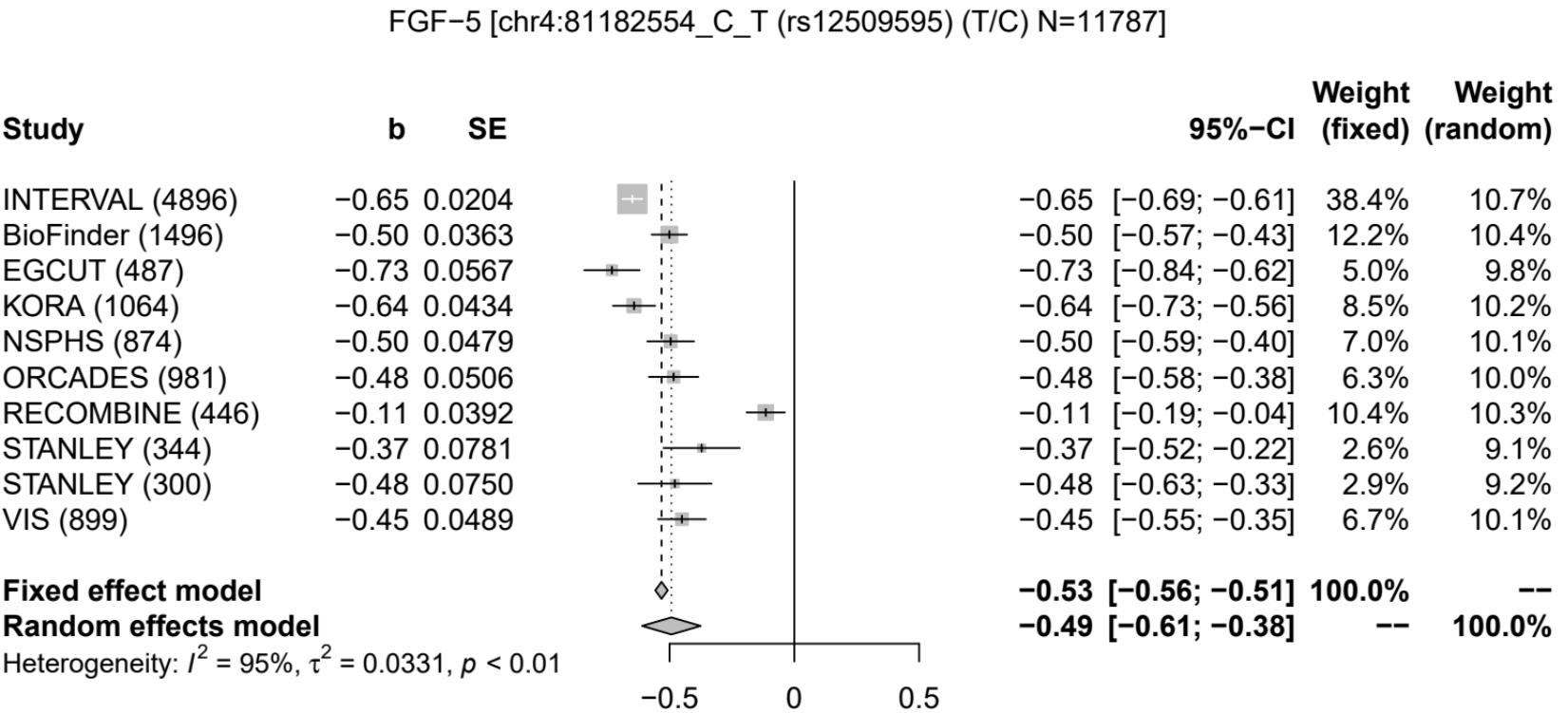
Fixed effect model

Random effects model

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



FGF-5 (FGF5)-rs12509595



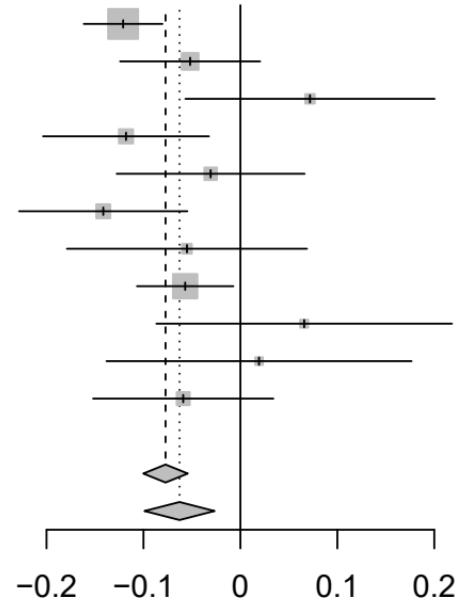
Study

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]

b **SE**

-0.12 0.0207
-0.05 0.0369
0.07 0.0656
-0.12 0.0437
-0.03 0.0495
-0.14 0.0443
-0.06 0.0632
-0.06 0.0254
0.07 0.0778
0.02 0.0803
-0.06 0.0474

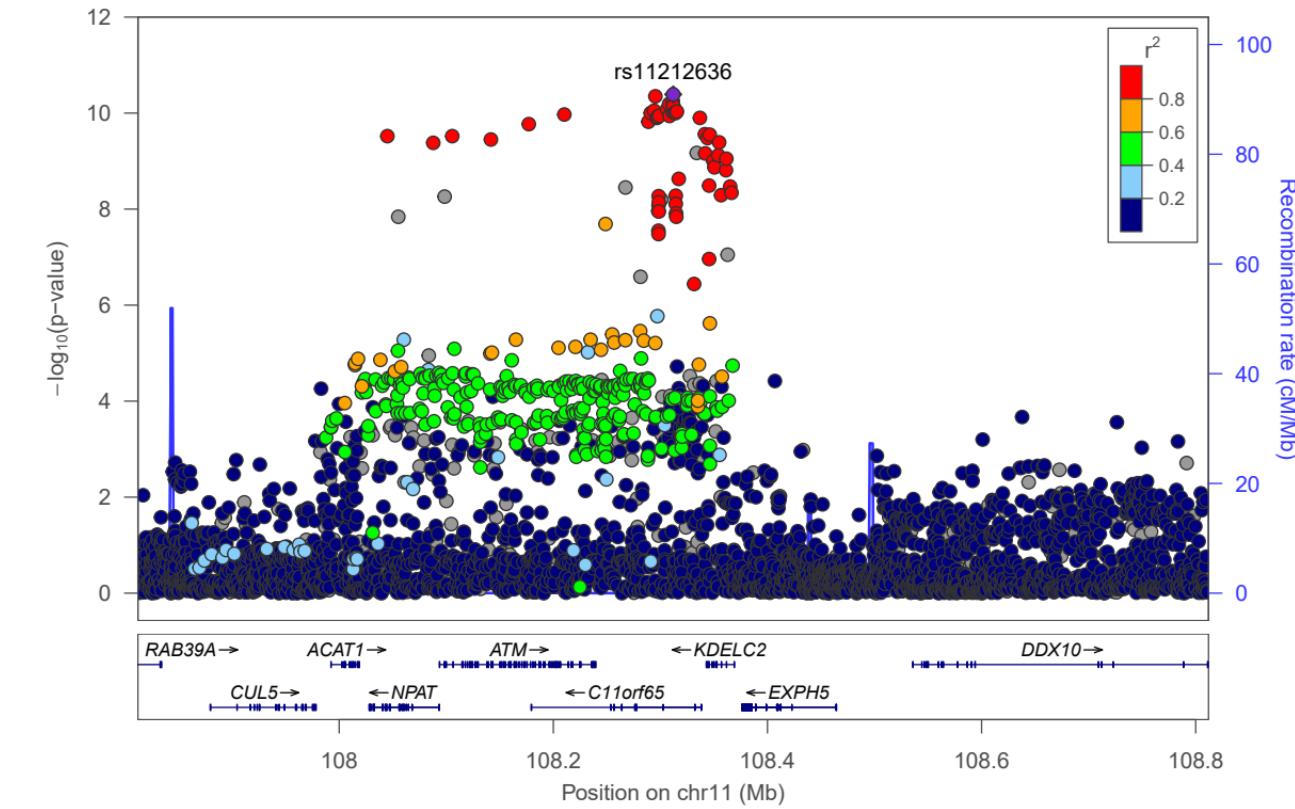


		95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	31.9%	16.7%
		-0.05 [-0.12; 0.02]	10.1%	11.4%
		0.07 [-0.06; 0.20]	3.2%	5.7%
		-0.12 [-0.20; -0.03]	7.2%	9.7%
		-0.03 [-0.13; 0.07]	5.6%	8.4%
		-0.14 [-0.23; -0.05]	7.0%	9.5%
		-0.06 [-0.18; 0.07]	3.4%	6.1%
		-0.06 [-0.11; -0.01]	21.2%	15.1%
		0.07 [-0.09; 0.22]	2.3%	4.4%
		0.02 [-0.14; 0.18]	2.1%	4.2%
		-0.06 [-0.15; 0.03]	6.1%	8.8%
		-0.08 [-0.10; -0.05]	100.0%	--
		-0.06 [-0.10; -0.03]	--	100.0%

Fixed effect model**Random effects model**

Heterogeneity: $I^2 = 49\%$, $\tau^2 = 0.0016$, $p = 0.03$

Flt3L (FLT3LG)-rs11212636

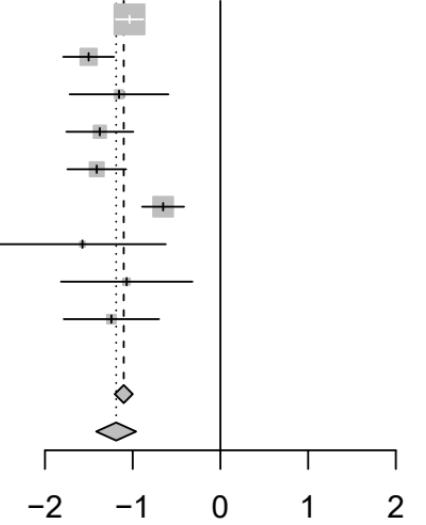


Study

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

b SE

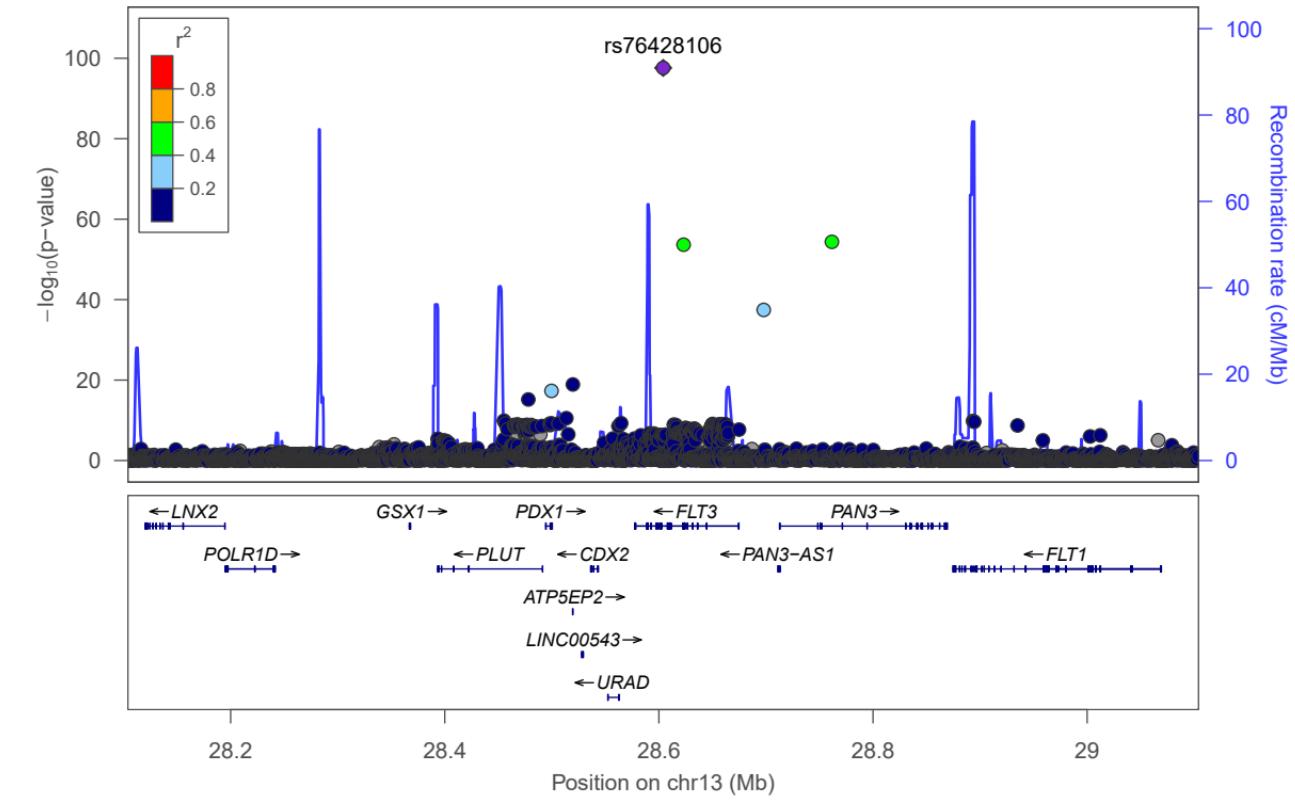
-1.04 0.0804
-1.50 0.1477
-1.16 0.2872
-1.37 0.1947
-1.41 0.1706
-0.65 0.1218
-1.57 0.4845
-1.07 0.3822
-1.24 0.2773



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

		95%-CI	Weight (fixed)	Weight (random)
		-1.04 [-1.19; -0.88]	42.4%	17.0%
		-1.50 [-1.79; -1.21]	12.6%	14.2%
		-1.16 [-1.72; -0.59]	3.3%	8.7%
		-1.37 [-1.76; -0.99]	7.2%	12.1%
		-1.41 [-1.74; -1.08]	9.4%	13.2%
		-0.65 [-0.89; -0.41]	18.5%	15.3%
		-1.57 [-2.52; -0.62]	1.2%	4.4%
		-1.07 [-1.82; -0.32]	1.9%	6.1%
		-1.24 [-1.79; -0.70]	3.6%	9.0%
		-1.10 [-1.20; -1.00]	100.0%	--
		-1.19 [-1.42; -0.96]	--	100.0%

Flt3L (FLT3LG)-rs76428106

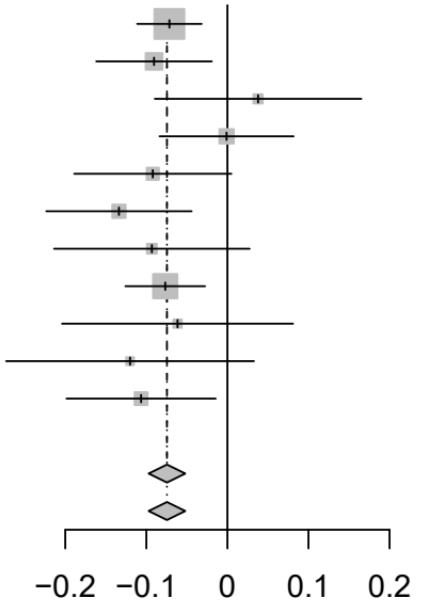


Study

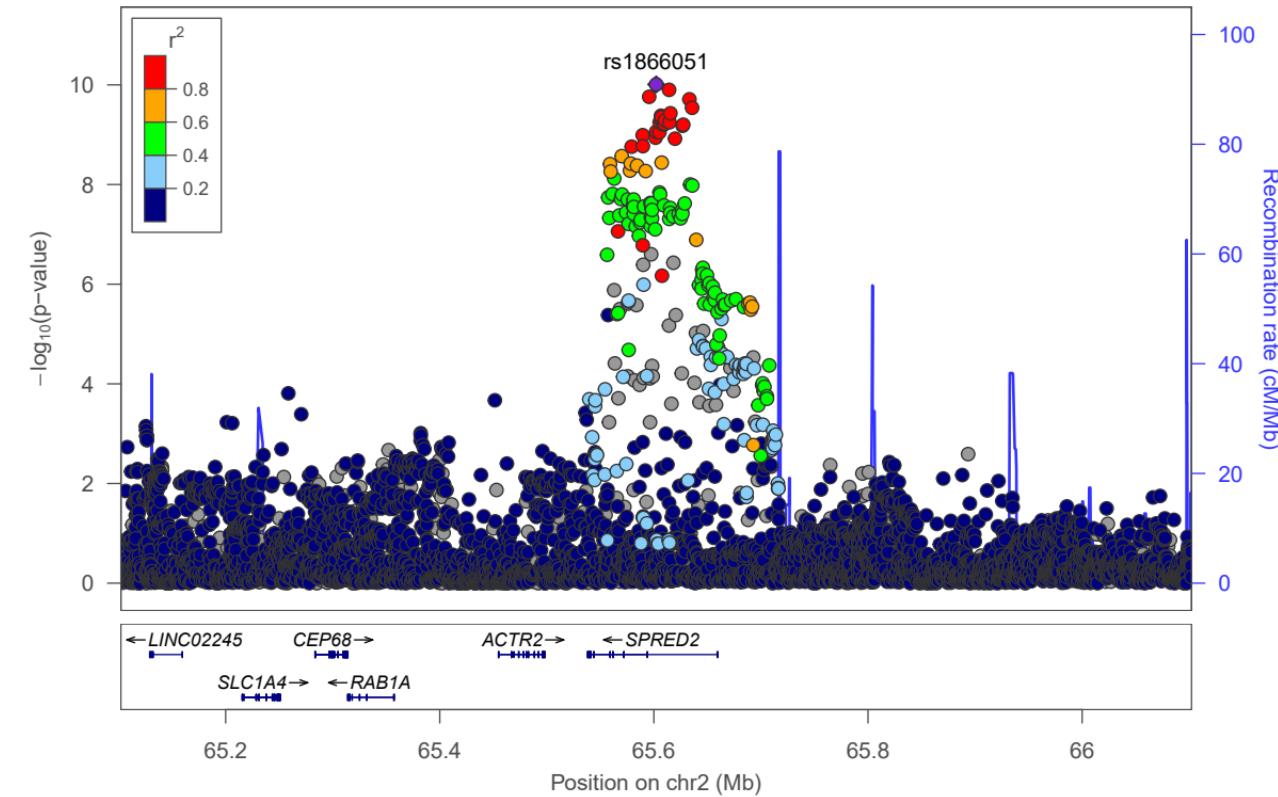
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (446)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

b **SE**

-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



		95%-CI	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%
		-0.07 [-0.10; -0.05]	100.0%	--
		-0.07 [-0.10; -0.05]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.54$ **Flt3L (FLT3LG)-rs1866051**

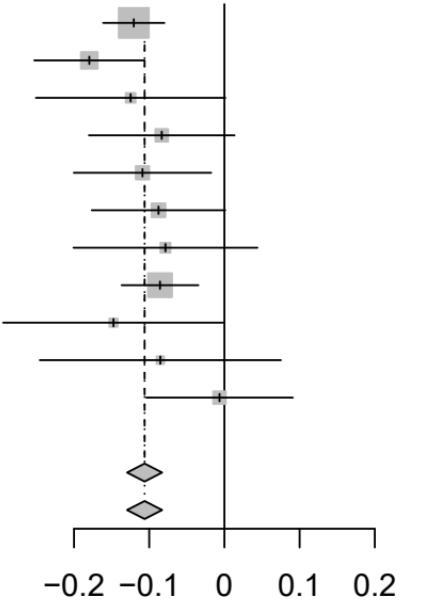
Study

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

Flt3L [chr3:128381886_G_T (rs7624160) (T/G) N=14719]

b **SE**

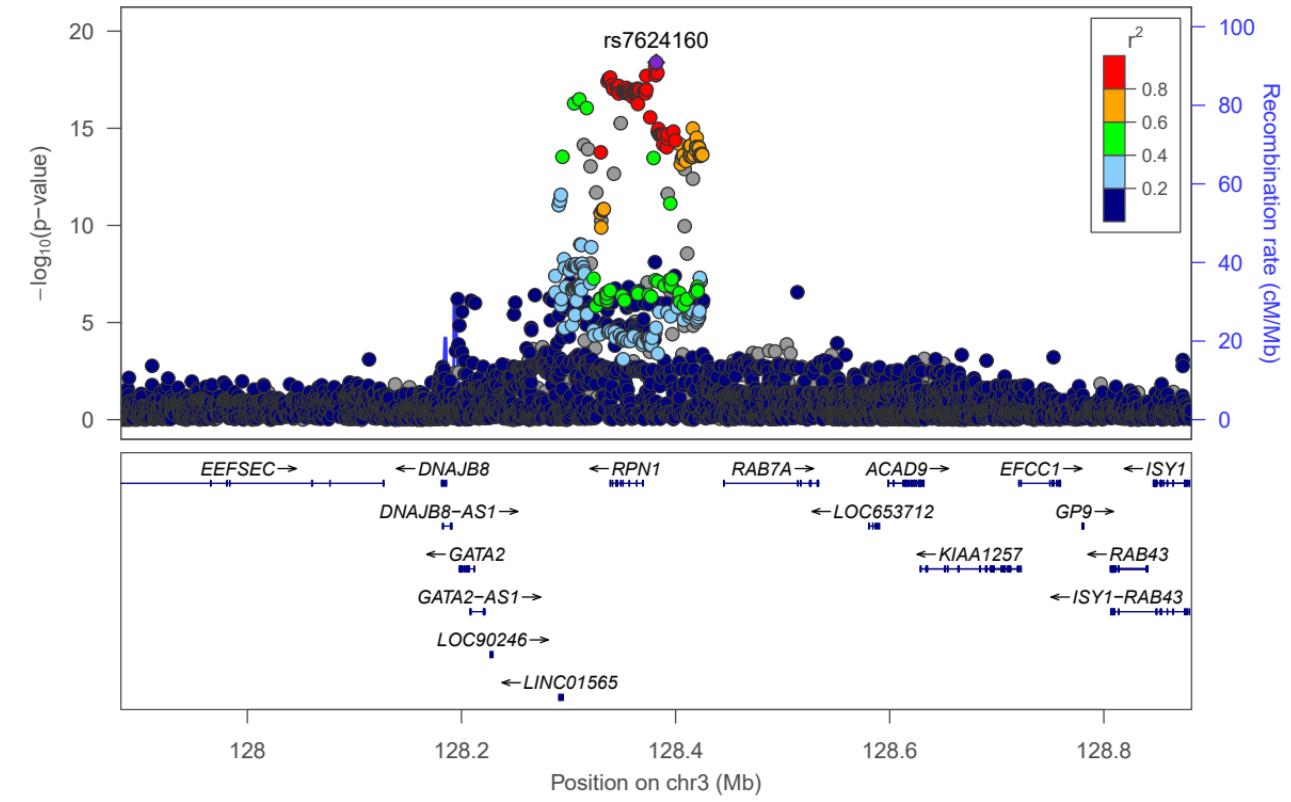
-0.12 0.0208
-0.18 0.0374
-0.12 0.0643
-0.08 0.0494
-0.11 0.0466
-0.09 0.0453
-0.08 0.0624
-0.09 0.0261
-0.15 0.0749
-0.09 0.0818
-0.01 0.0498



		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%

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

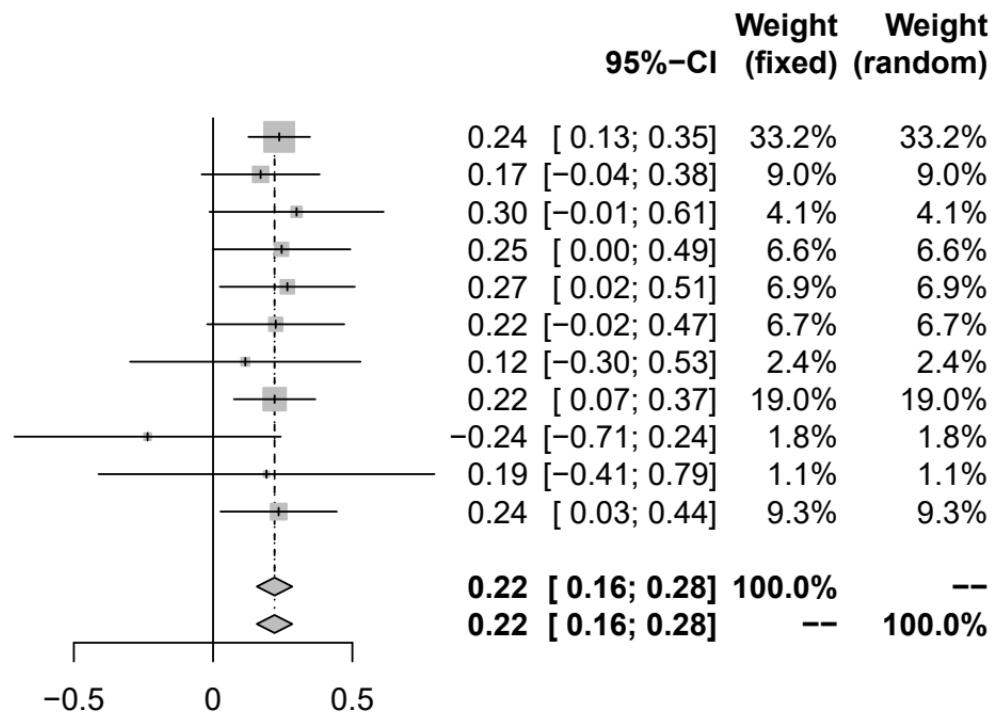
Flt3L (FLT3LG)-rs7624160



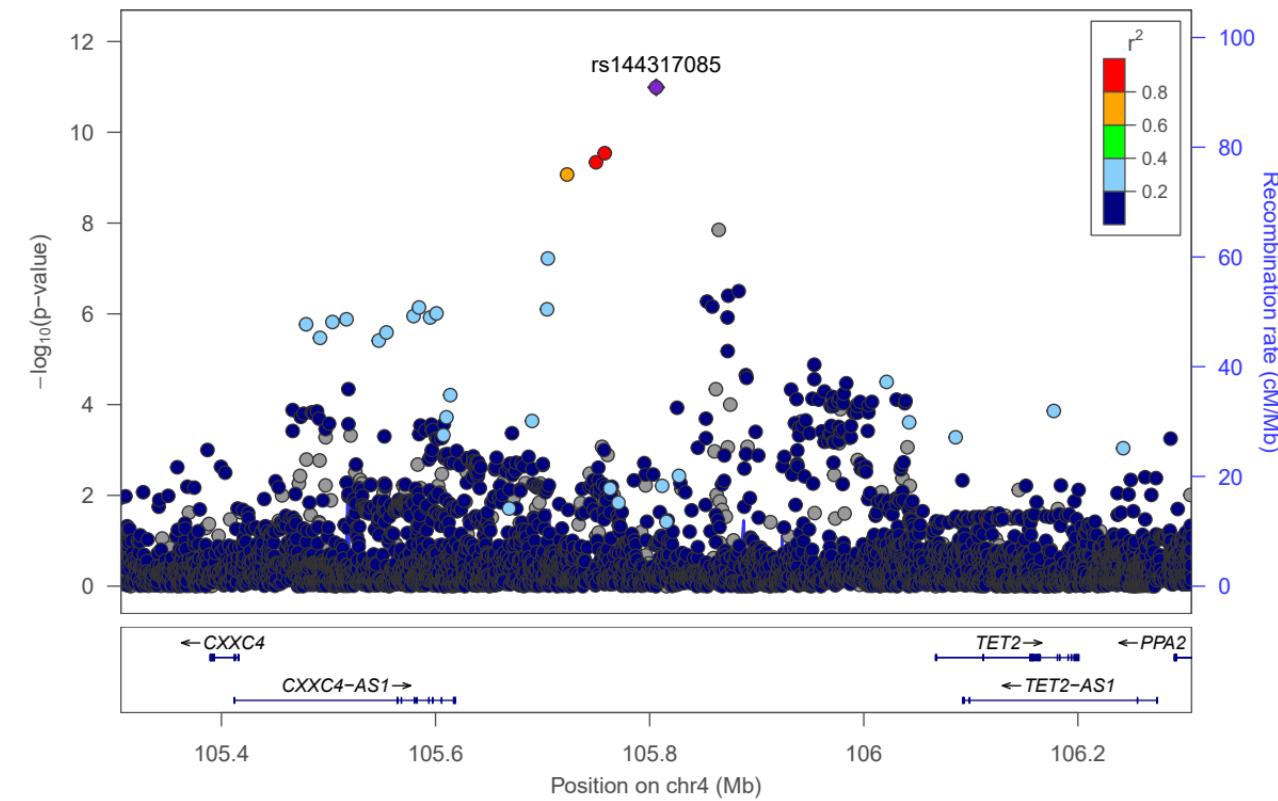
Study

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]

b SE

Flt3L (FLT3LG)-rs144317085

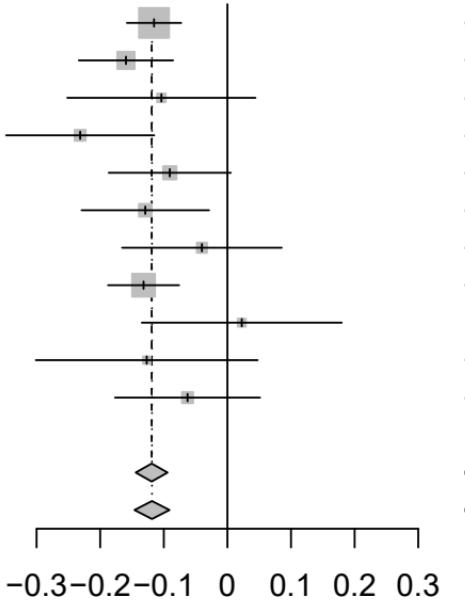


Study

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

b **SE**

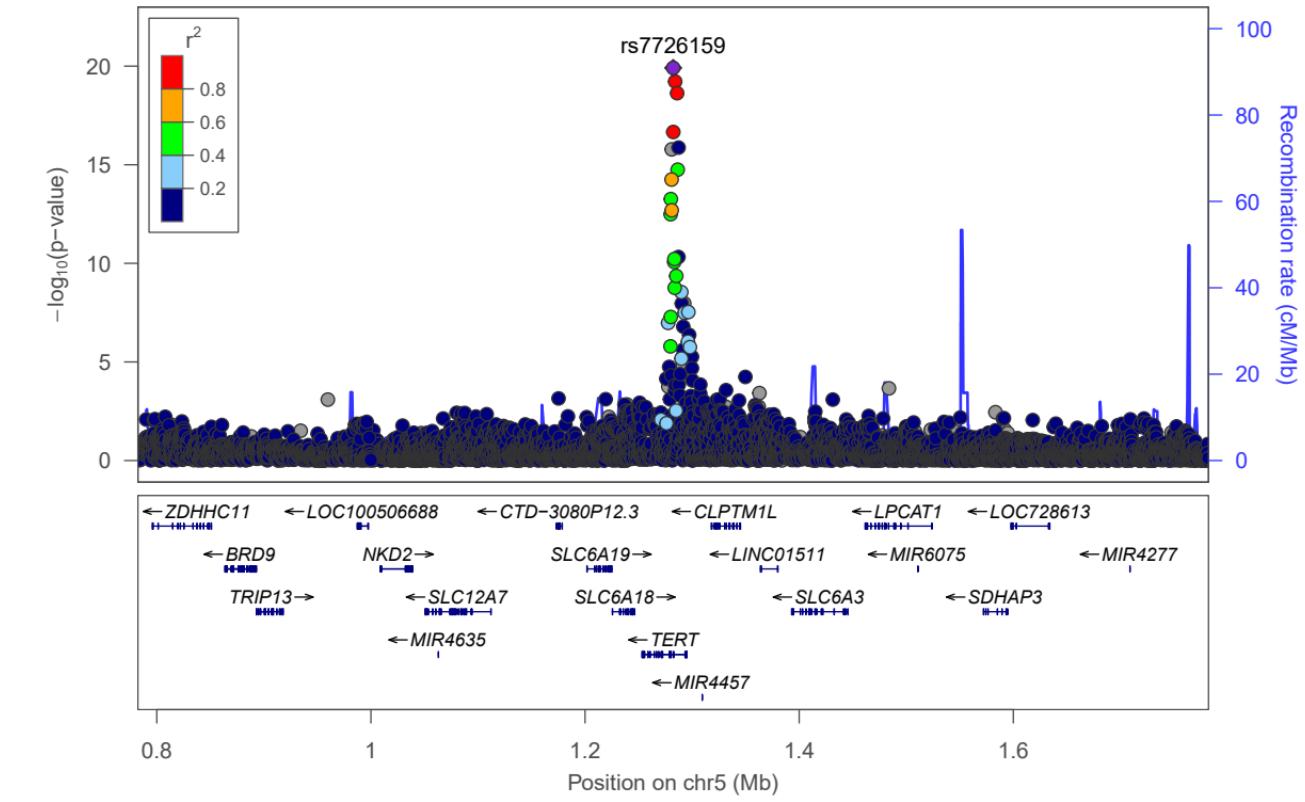
-0.12 0.0218
-0.16 0.0378
-0.10 0.0755
-0.23 0.0594
-0.09 0.0490
-0.13 0.0512
-0.04 0.0640
-0.13 0.0285
0.02 0.0802
-0.13 0.0890
-0.06 0.0582

**Fixed effect model****Random effects model**Heterogeneity: $I^2 = 9\%$, $\tau^2 = 0.0002$, $p = 0.36$

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

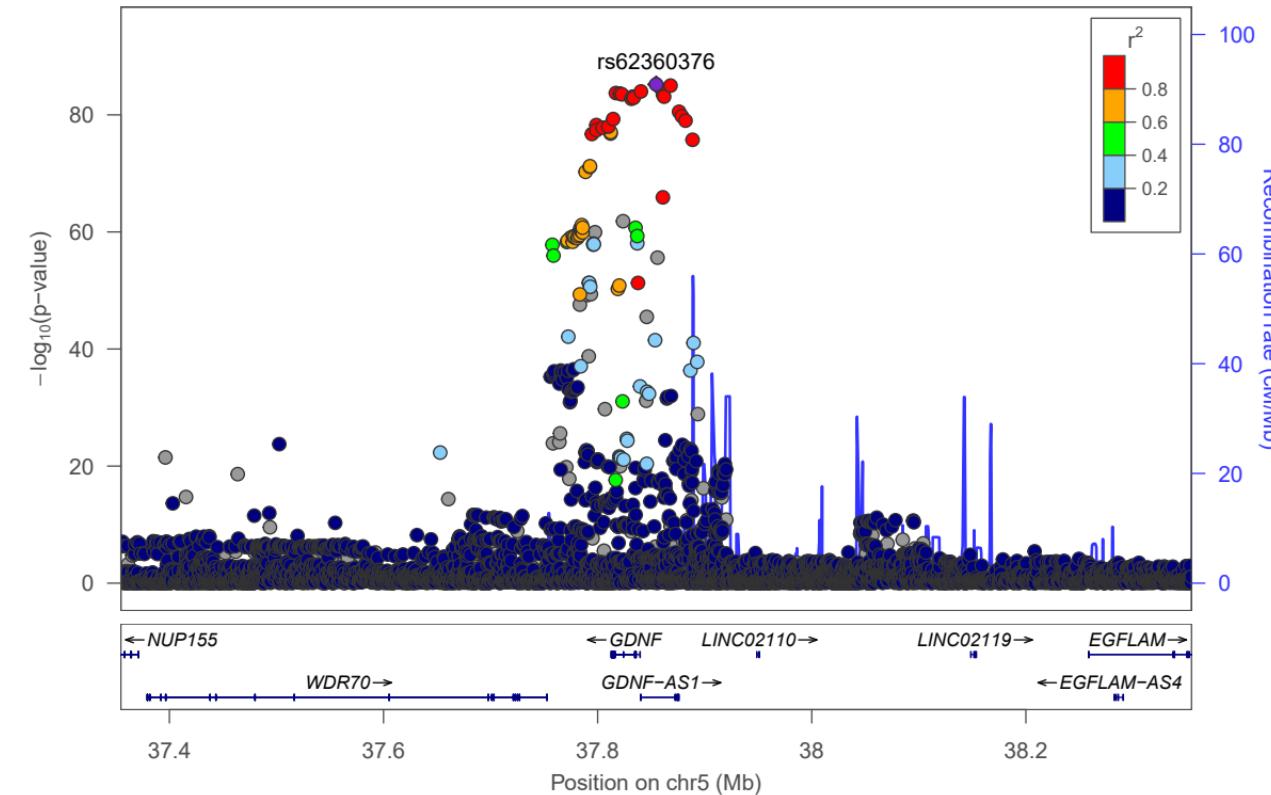
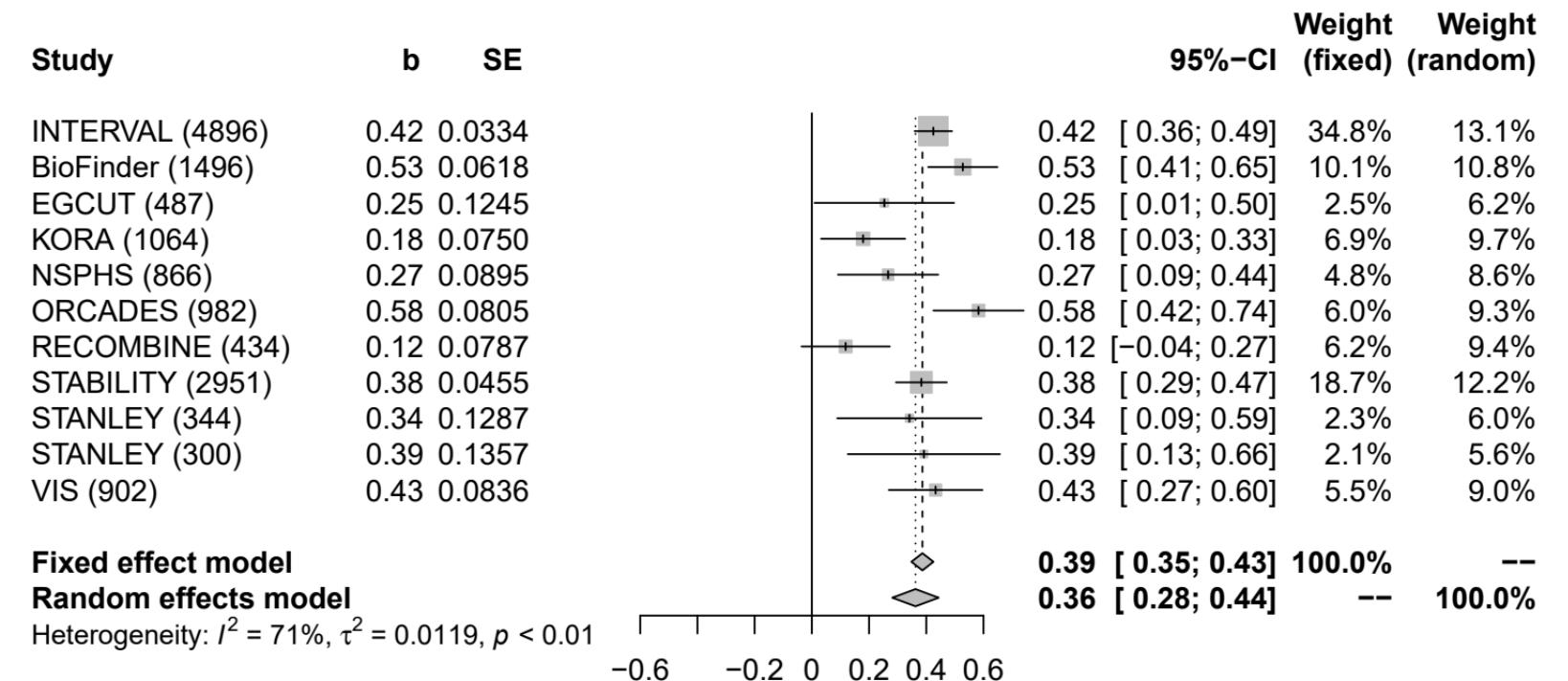
			Weight (fixed)	Weight (random)
	-0.12 [-0.16; -0.07]	34.5%	29.5%	
	-0.16 [-0.23; -0.09]	11.4%	12.1%	
	-0.10 [-0.25; 0.04]	2.9%	3.3%	
	-0.23 [-0.35; -0.12]	4.6%	5.3%	
	-0.09 [-0.19; 0.01]	6.8%	7.6%	
	-0.13 [-0.23; -0.03]	6.2%	7.0%	
	-0.04 [-0.17; 0.09]	4.0%	4.6%	
	-0.13 [-0.19; -0.08]	20.1%	19.6%	
	0.02 [-0.13; 0.18]	2.5%	3.0%	
	-0.13 [-0.30; 0.05]	2.1%	2.4%	
	-0.06 [-0.18; 0.05]	4.8%	5.5%	
	-0.12 [-0.14; -0.09]	100.0%	--	
	-0.12 [-0.15; -0.09]	--	100.0%	

Flt3L (FLT3LG)-rs7726159

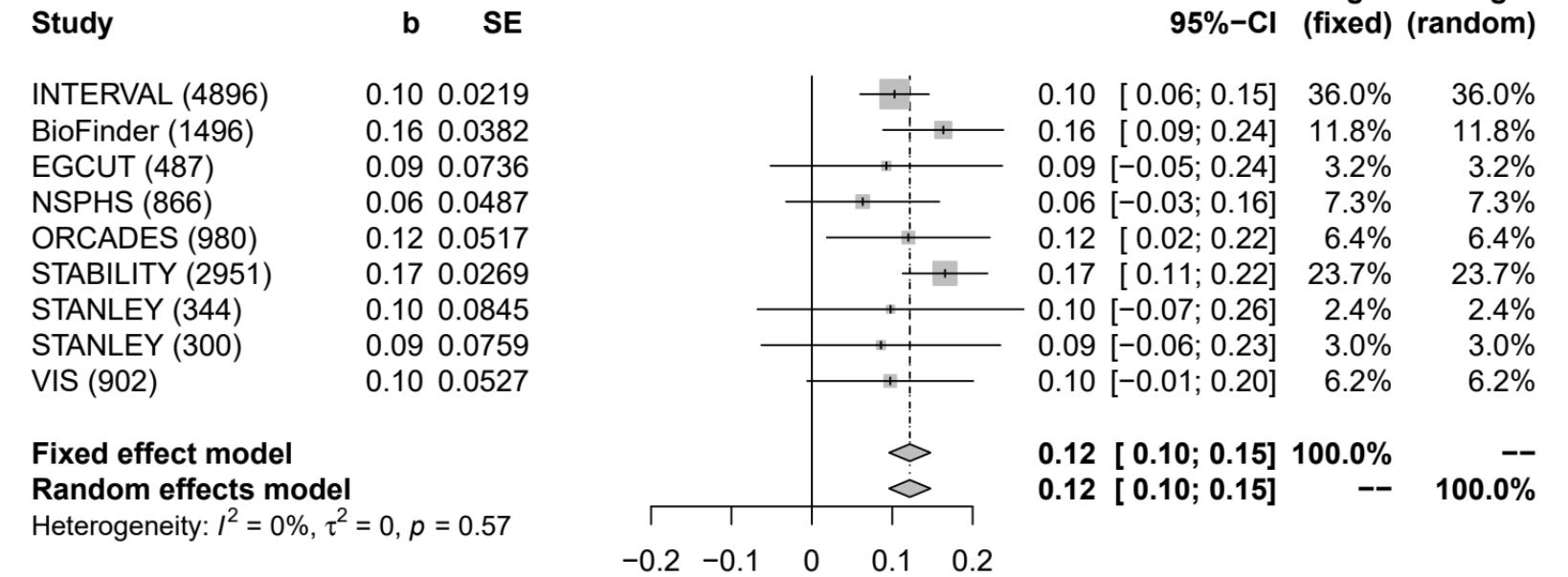


hGDNF (GDNF)-rs62360376

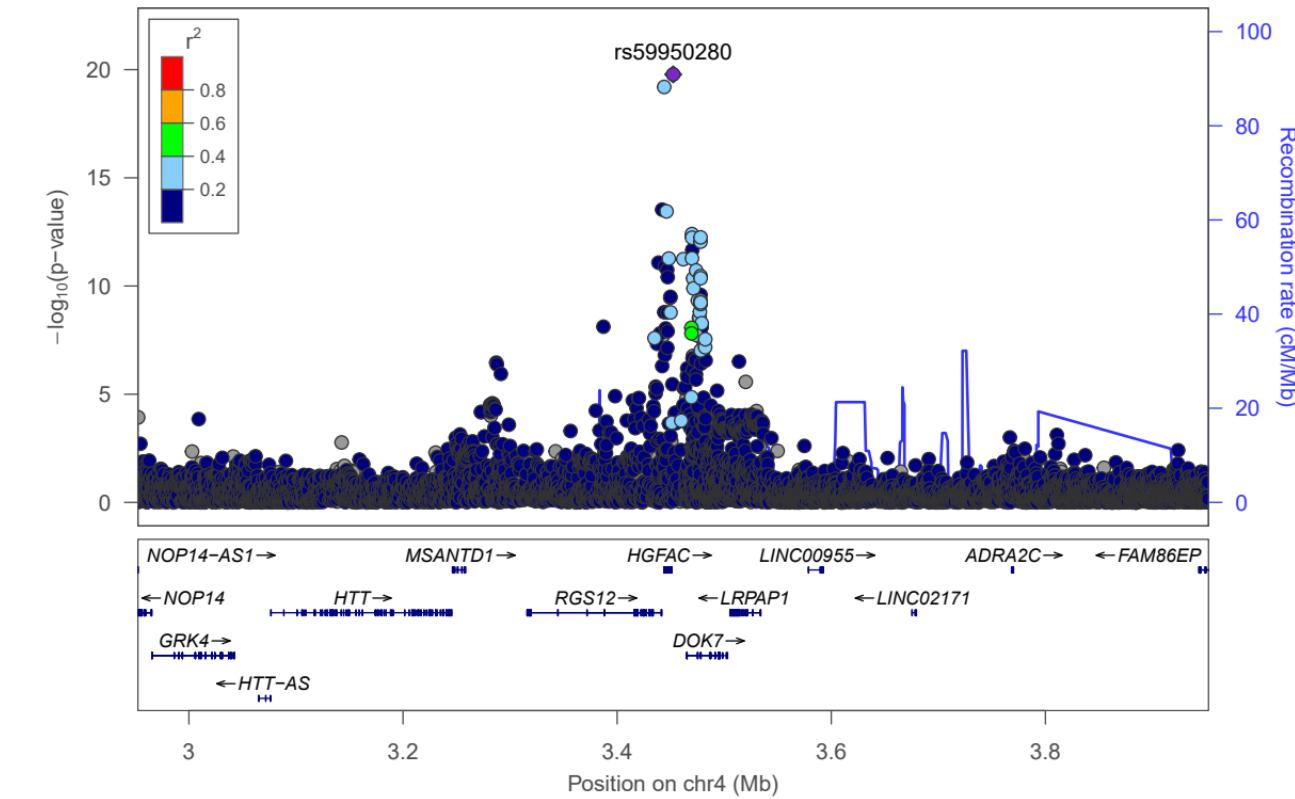
hGDNF [chr5:37854688_A_T (rs62360376) (A/T) N=14722]



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



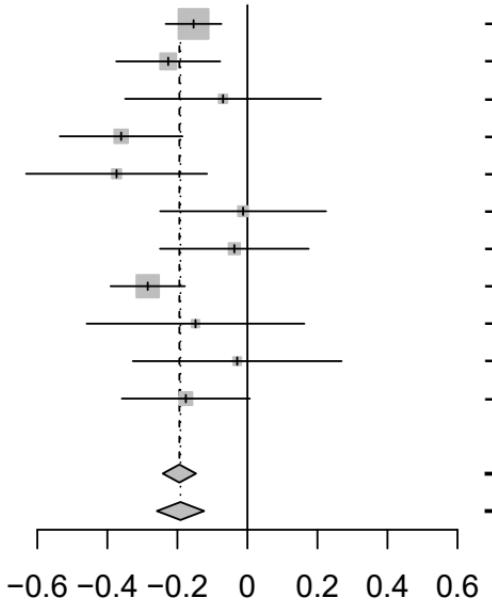
HGF (HGF)-rs59950280



Study

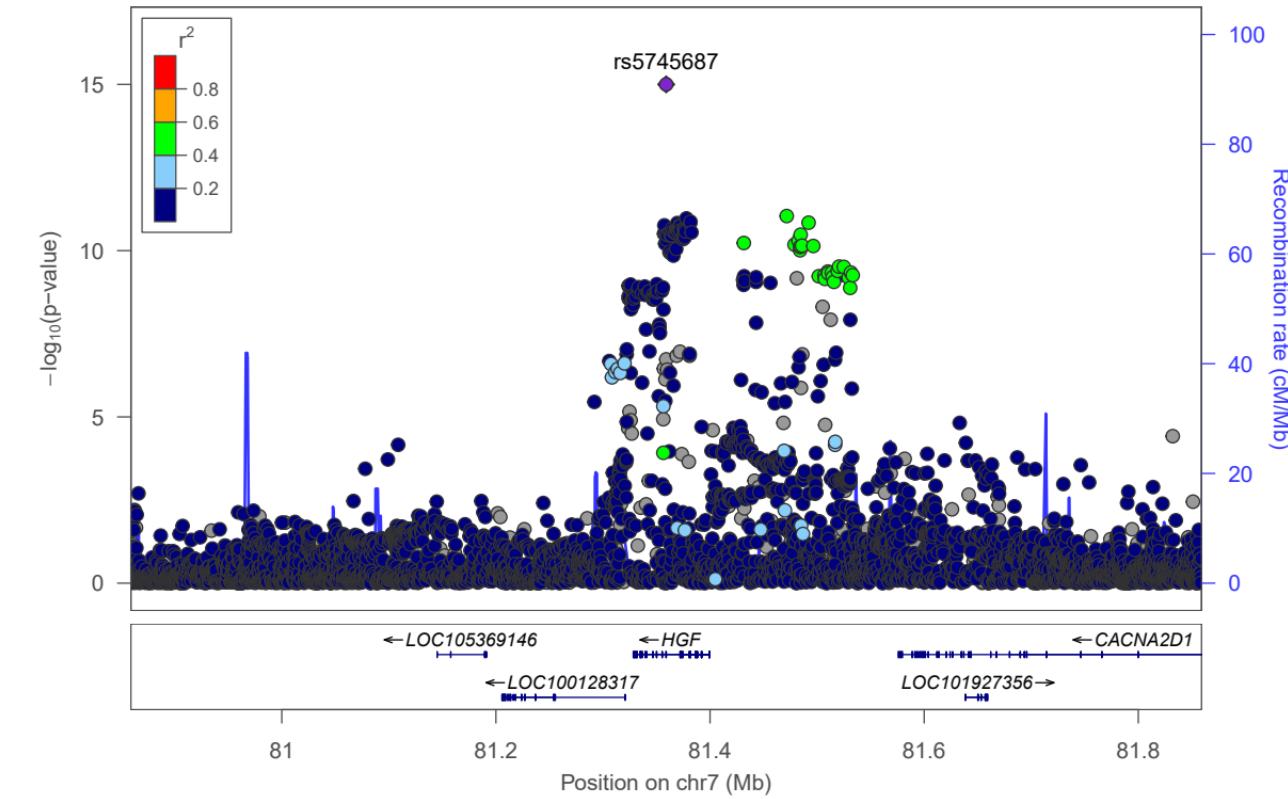
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (980)
RECOMBINE (447)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

HGF [chr7:81359051_C_T (rs5745687) (T/C) N=14733]

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

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

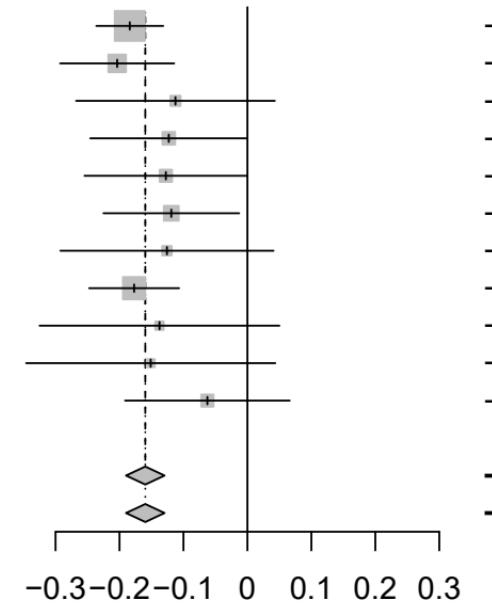
HGF (HGF)-rs5745687



Study

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

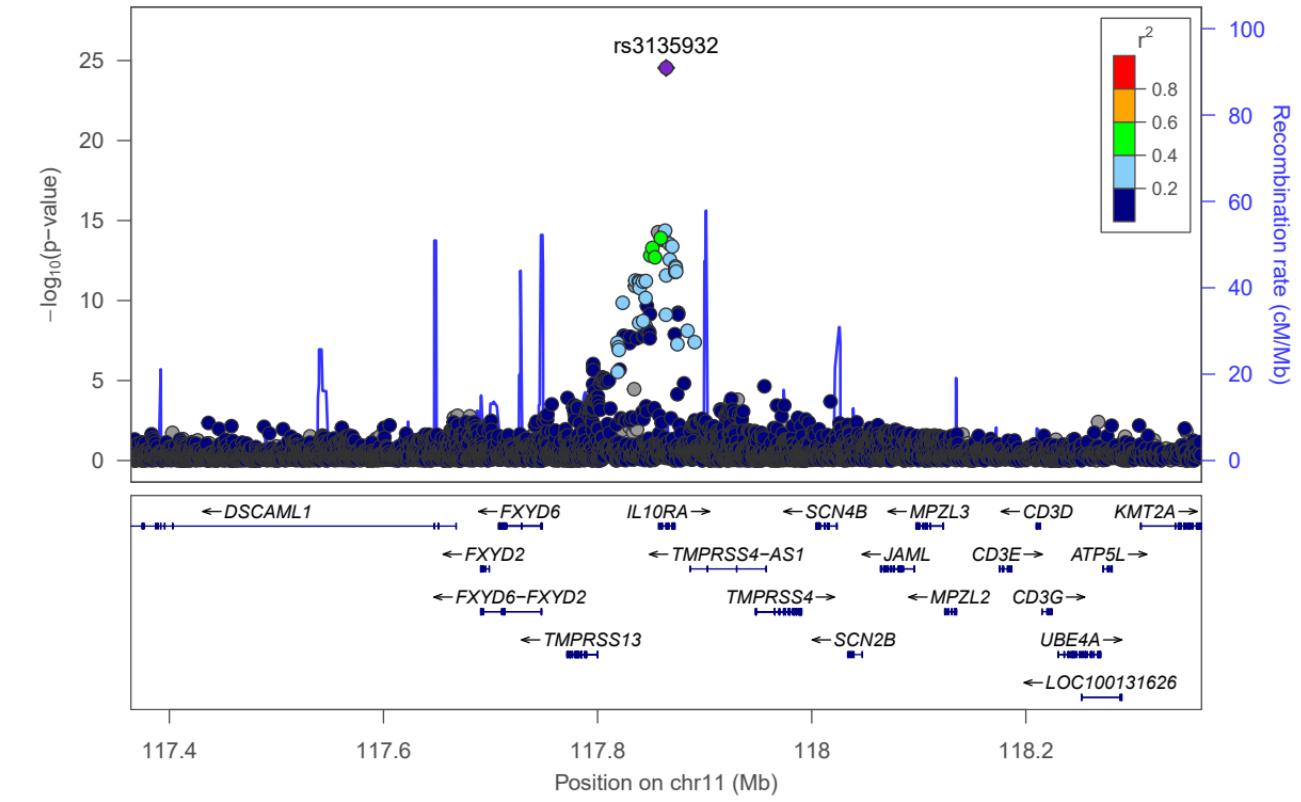
IL-10 [chr11:117864063_A_G (rs3135932) (A/G) N=14744]

b **SE**

		95%-CI	Weight (fixed)	Weight (random)
		-0.18 [-0.24; -0.13]	33.1%	33.1%
		-0.20 [-0.29; -0.11]	11.4%	11.4%
		-0.11 [-0.27; 0.04]	3.8%	3.8%
		-0.12 [-0.25; 0.00]	6.0%	6.0%
		-0.13 [-0.25; 0.00]	5.6%	5.6%
		-0.12 [-0.23; -0.01]	8.1%	8.1%
		-0.13 [-0.29; 0.04]	3.3%	3.3%
		-0.18 [-0.25; -0.11]	18.3%	18.3%
		-0.14 [-0.33; 0.05]	2.6%	2.6%
		-0.15 [-0.35; 0.04]	2.4%	2.4%
		-0.06 [-0.19; 0.07]	5.5%	5.5%
		-0.16 [-0.19; -0.13]	100.0%	--
		-0.16 [-0.19; -0.13]	--	100.0%

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

IL-10 (IL10)-rs3135932



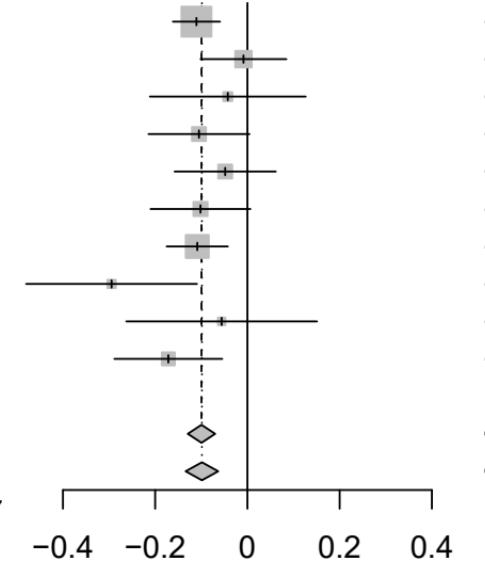
IL-10 [chr1:206954566_A_G (rs12123181) (A/G) N=14296]

Study

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

b SE

-0.11 0.0261
-0.01 0.0475
-0.04 0.0862
-0.10 0.0559
-0.05 0.0560
-0.10 0.0552
-0.11 0.0339
-0.29 0.0945
-0.06 0.1055
-0.17 0.0597



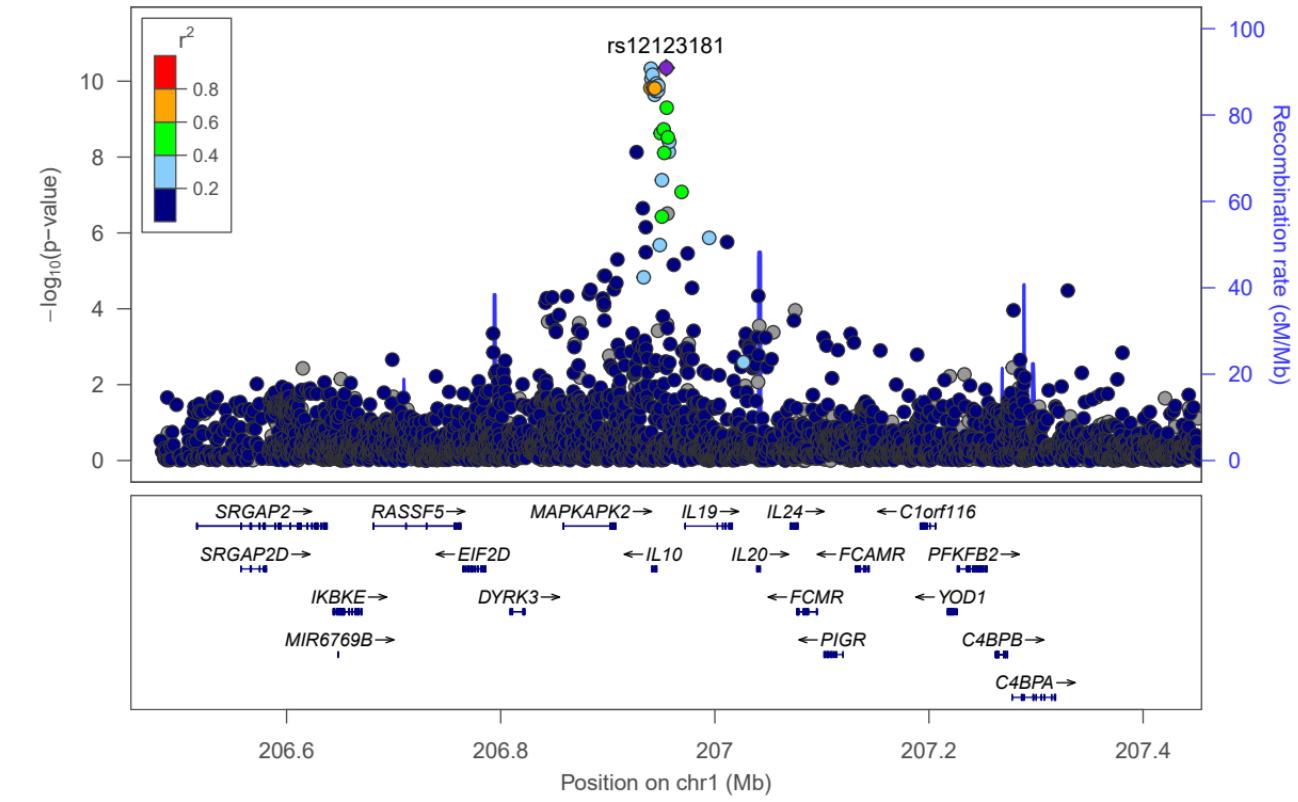
		95%-CI	Weight (fixed)	Weight (random)
		-0.11 [-0.16; -0.06]	33.7%	25.6%
		-0.01 [-0.10; 0.08]	10.2%	11.4%
		-0.04 [-0.21; 0.13]	3.1%	4.0%
		-0.10 [-0.21; 0.00]	7.3%	8.7%
		-0.05 [-0.16; 0.06]	7.3%	8.7%
		-0.10 [-0.21; 0.01]	7.5%	8.9%
		-0.11 [-0.18; -0.04]	19.9%	18.7%
		-0.29 [-0.48; -0.11]	2.6%	3.4%
		-0.06 [-0.26; 0.15]	2.1%	2.8%
		-0.17 [-0.29; -0.05]	6.4%	7.8%
		-0.10 [-0.13; -0.07]	100.0%	--
		-0.10 [-0.13; -0.06]	--	100.0%

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 19\%, \tau^2 = 0.0006, p = 0.27$

IL-10 (IL10)-rs12123181



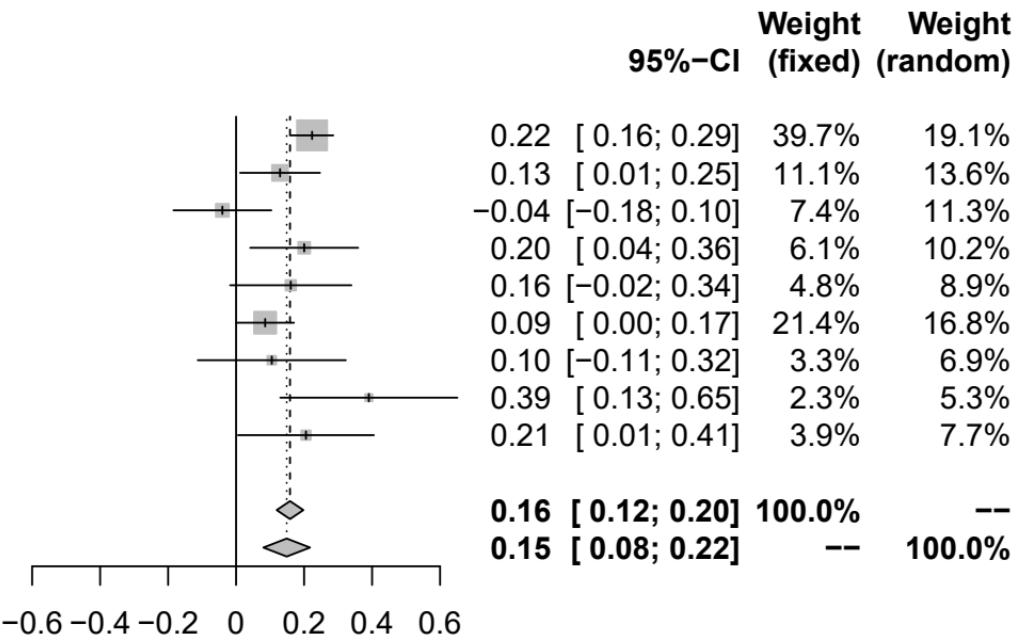
IL-10 [chr6:32434716_A_C (rs28377109) (A/C) N=13383]

Study	b	SE
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

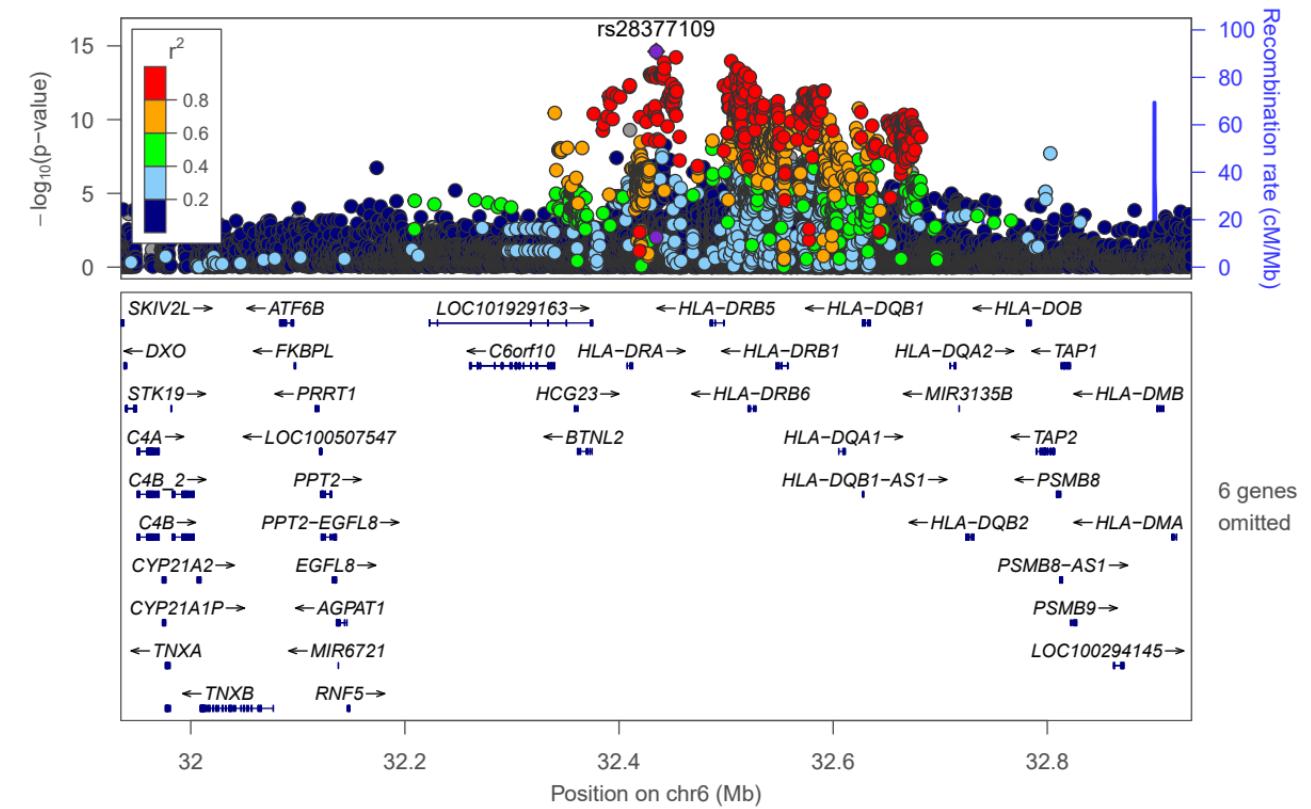
Fixed effect model

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]

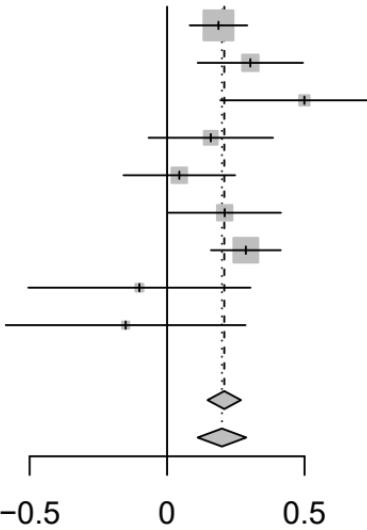
Study

	b	SE
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

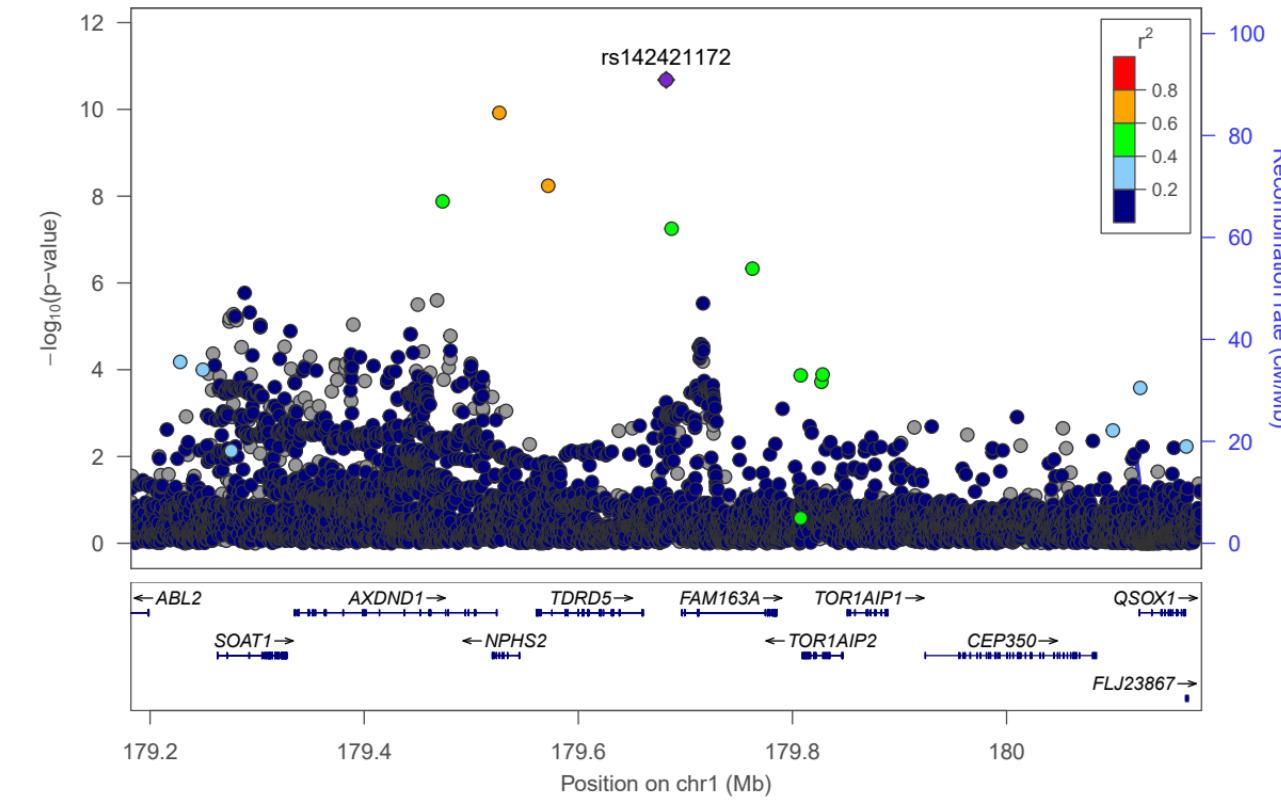
Random effects model

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



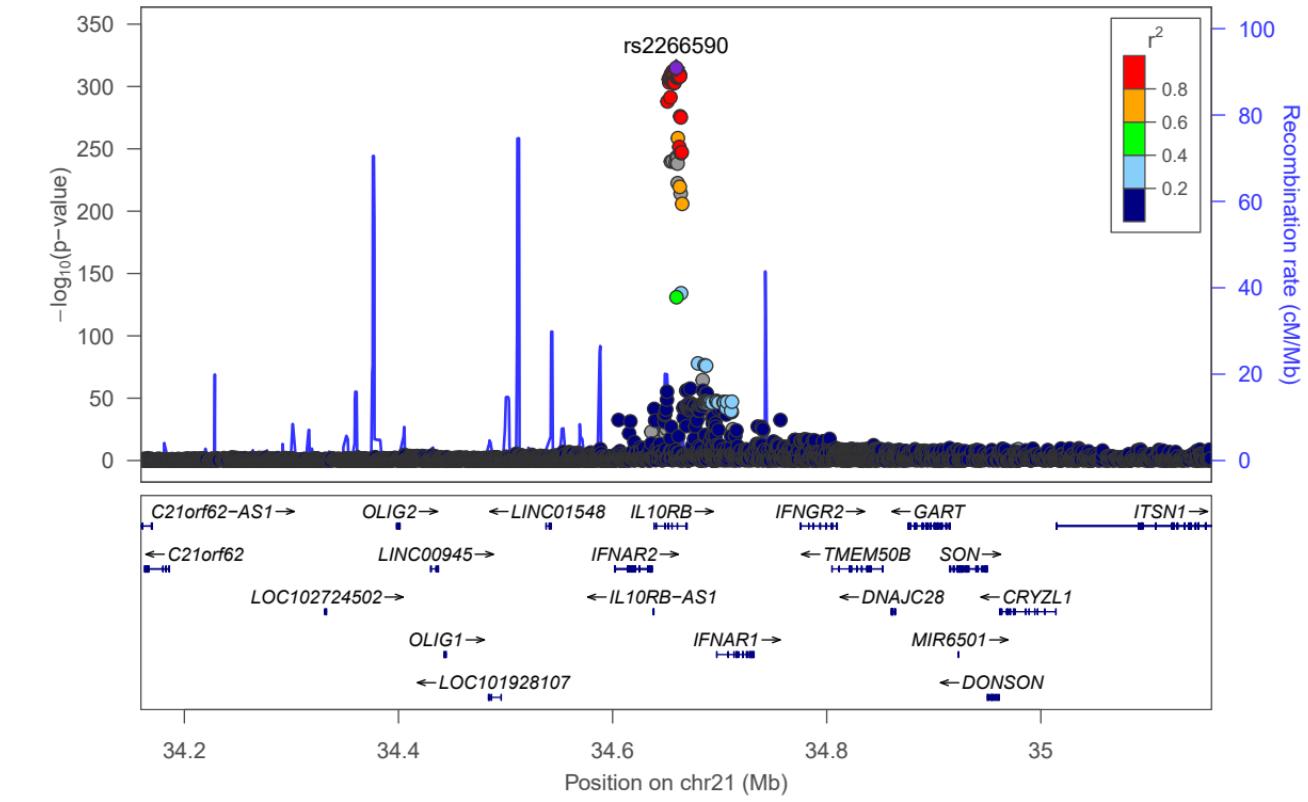
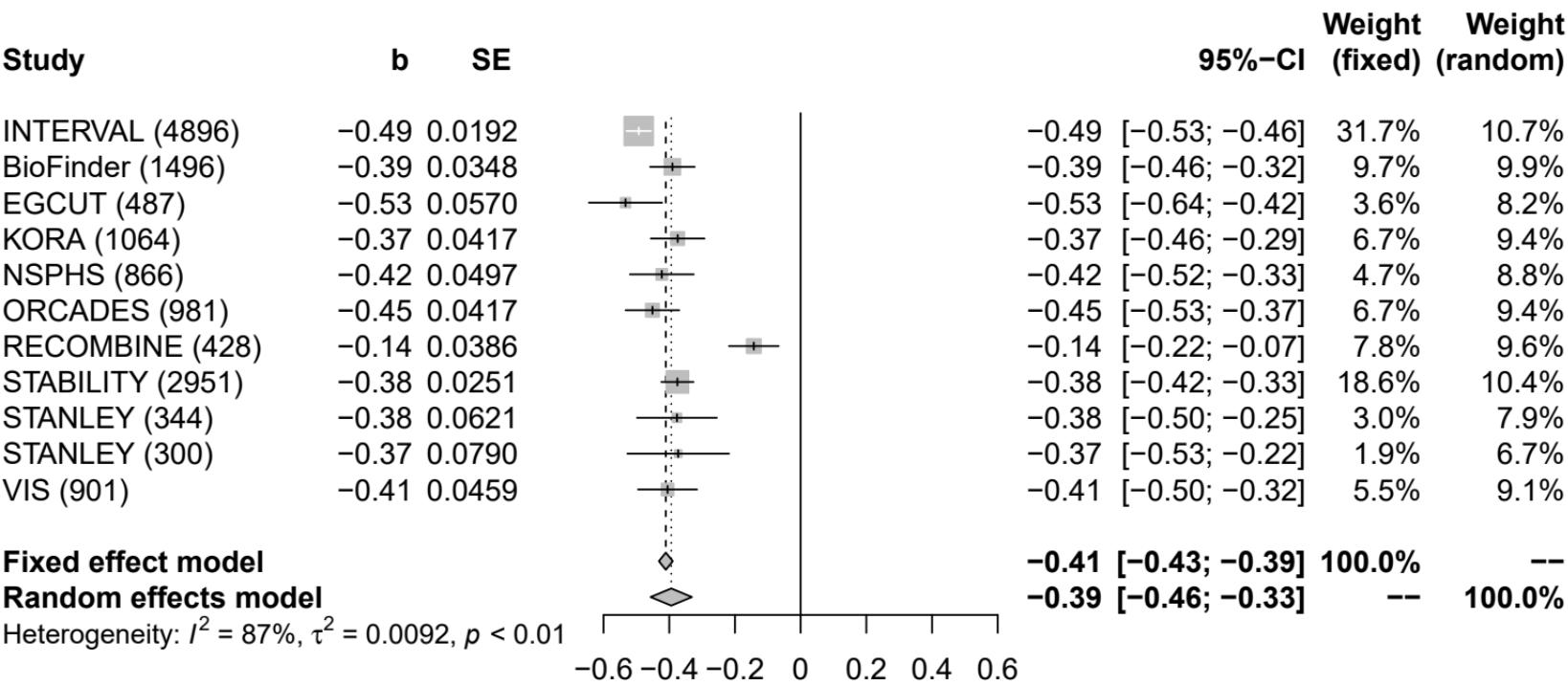
	95%-CI	Weight (fixed)	Weight (random)
	0.19 [0.08; 0.29]	33.7%	21.2%
	0.30 [0.11; 0.49]	10.1%	12.5%
	0.50 [0.19; 0.81]	4.0%	6.5%
	0.16 [-0.07; 0.39]	7.2%	10.1%
	0.04 [-0.16; 0.25]	9.0%	11.7%
	0.21 [0.01; 0.41]	8.9%	11.6%
	0.29 [0.16; 0.41]	23.0%	18.6%
	-0.10 [-0.51; 0.30]	2.3%	4.1%
	-0.15 [-0.59; 0.29]	1.9%	3.6%
	0.21 [0.15; 0.27]	100.0%	--
	0.20 [0.11; 0.29]	--	100.0%

IL10RB (IL10RB)-rs142421172



IL10RB (IL10RB)-rs2266590

IL10RB [chr21:34659396_A_G (rs2266590) (A/G) N=14714]



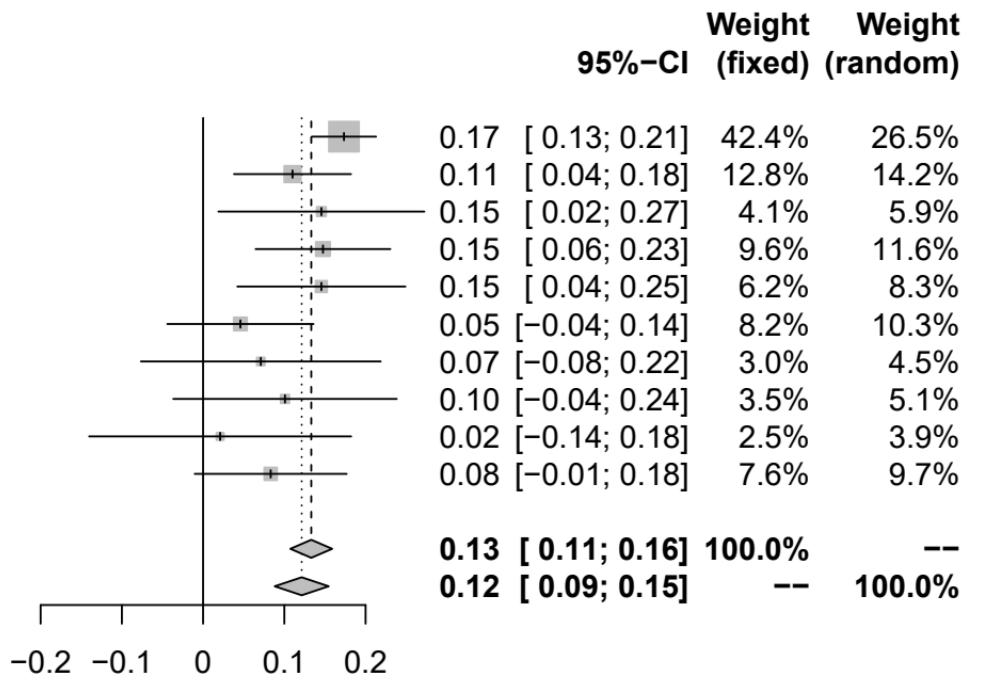
IL-12B [chr12:111884608_C_T (rs3184504) (T/C) N=11785]

Study	b	SE
INTERVAL (4896)	0.17	0.0202
BioFinder (1496)	0.11	0.0368
EGCUT (487)	0.15	0.0647
KORA (1064)	0.15	0.0423
NSPHS (866)	0.15	0.0528
ORCADES (982)	0.05	0.0460
RECOMBINE (448)	0.07	0.0753
STANLEY (344)	0.10	0.0702
STANLEY (300)	0.02	0.0823
VIS (902)	0.08	0.0478

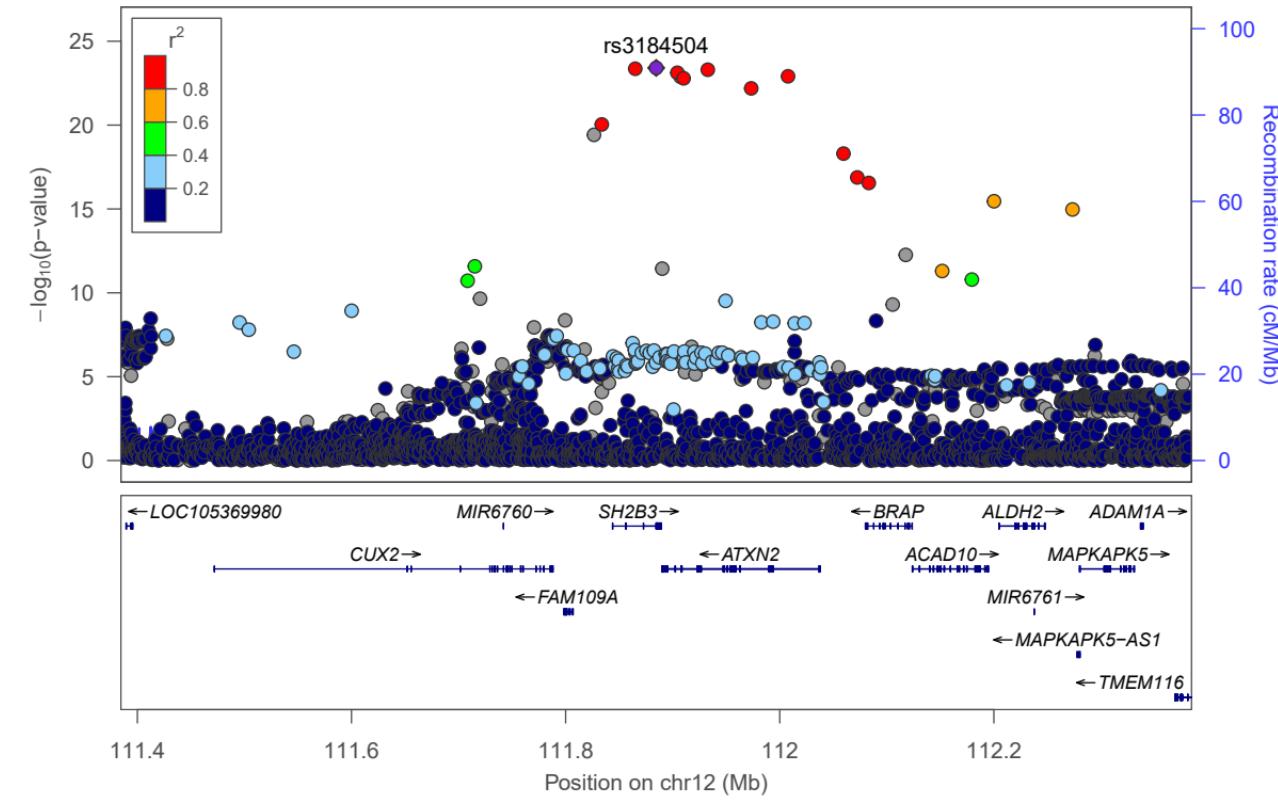
Fixed effect model

Random effects model

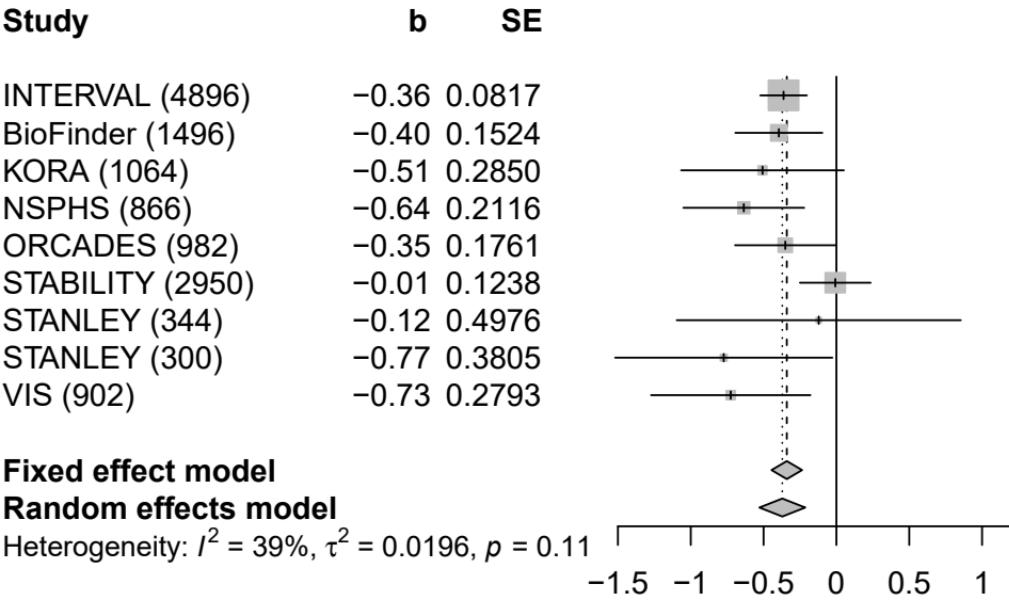
Heterogeneity: $I^2 = 25\%$, $\tau^2 = 0.0007$, $p = 0.21$



IL-12B (IL12B)-rs3184504

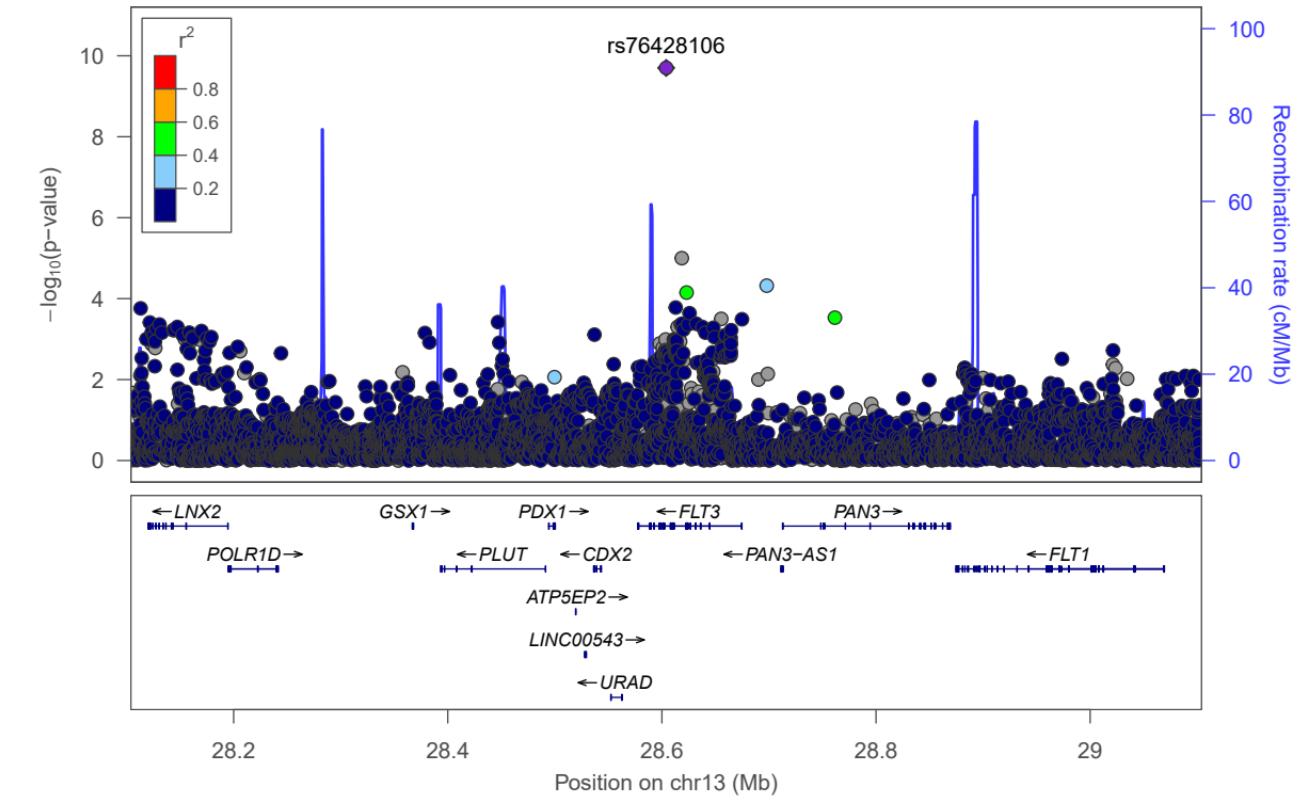


IL-12B [chr13:28604007_C_T (rs76428106) (T/C) N=13800]



		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%
		-0.34 [-0.45; -0.24]	100.0%	--
		-0.37 [-0.53; -0.21]	--	100.0%

IL-12B (IL12B)-rs76428106



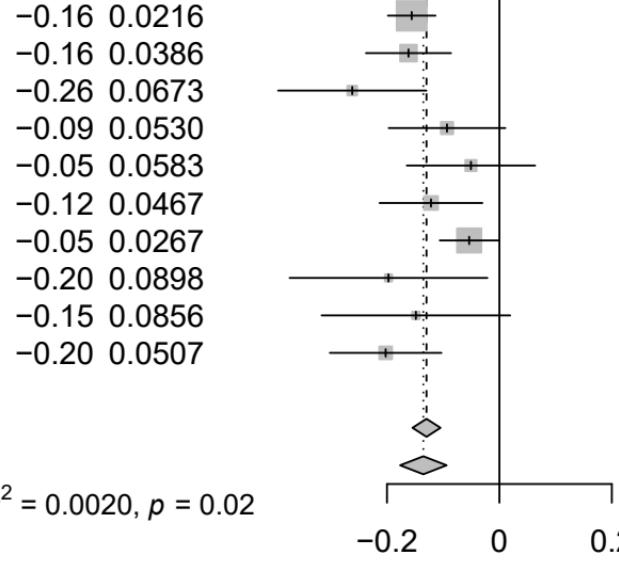
IL-12B (IL12B)-rs12588969

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

Study

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

b
SE

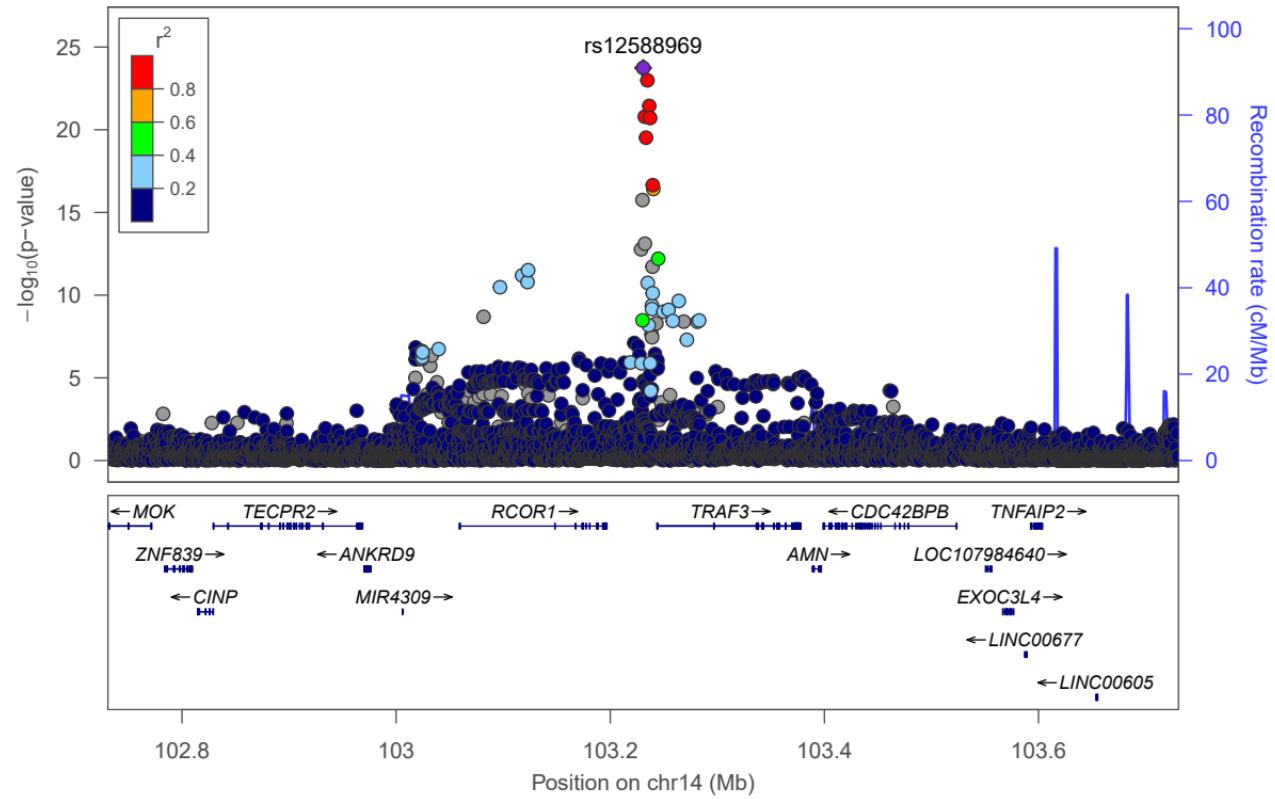


Fixed effect model

Random effects model

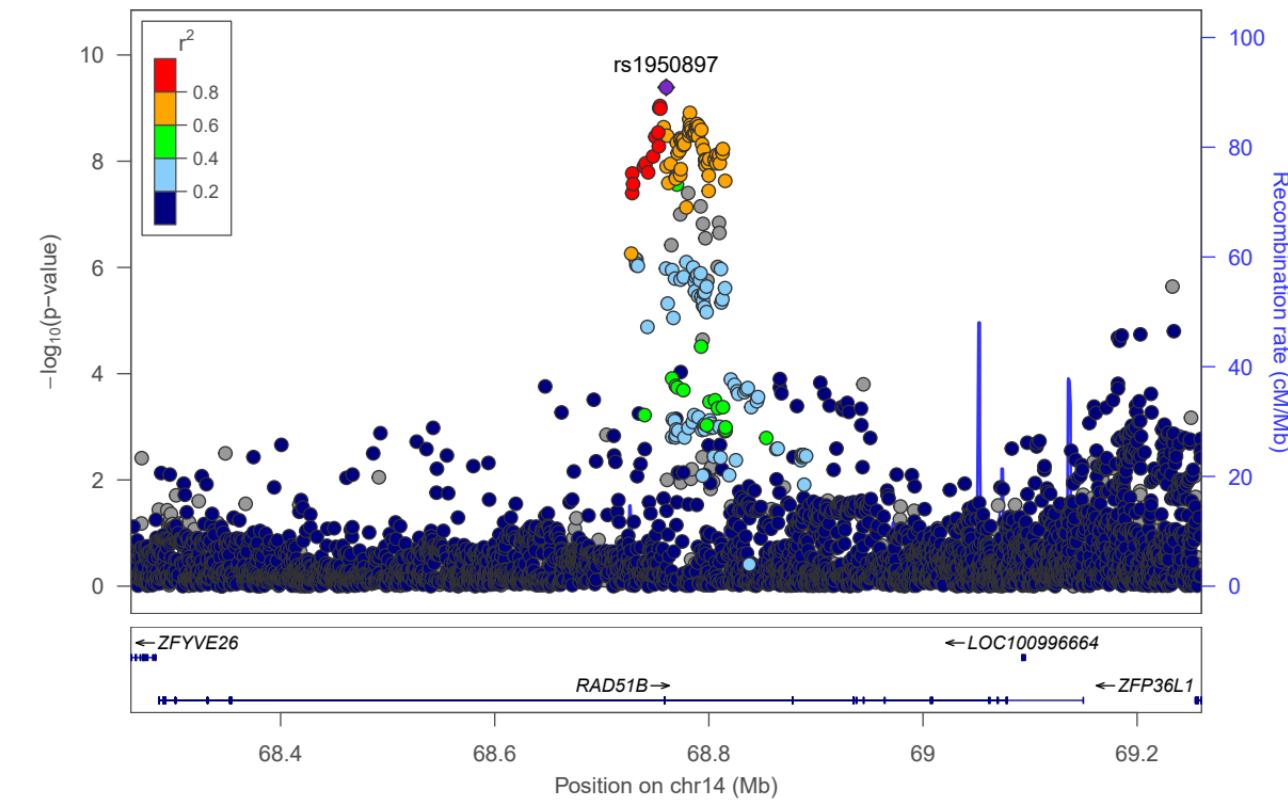
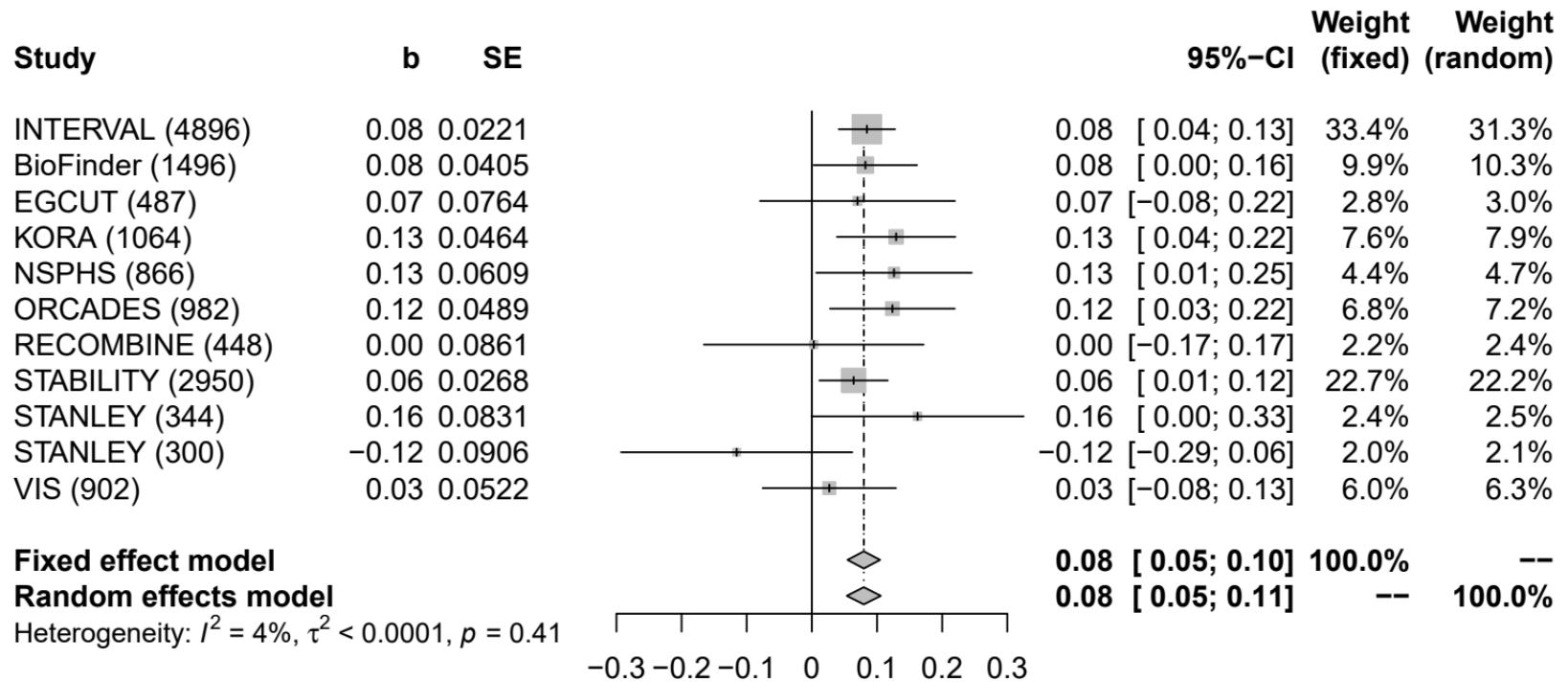
Heterogeneity: $I^2 = 53\%$, $\tau^2 = 0.0020$, $p = 0.02$

		Weight	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 (IL12B)-rs1950897

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



IL-12B (IL12B)-rs9815073

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

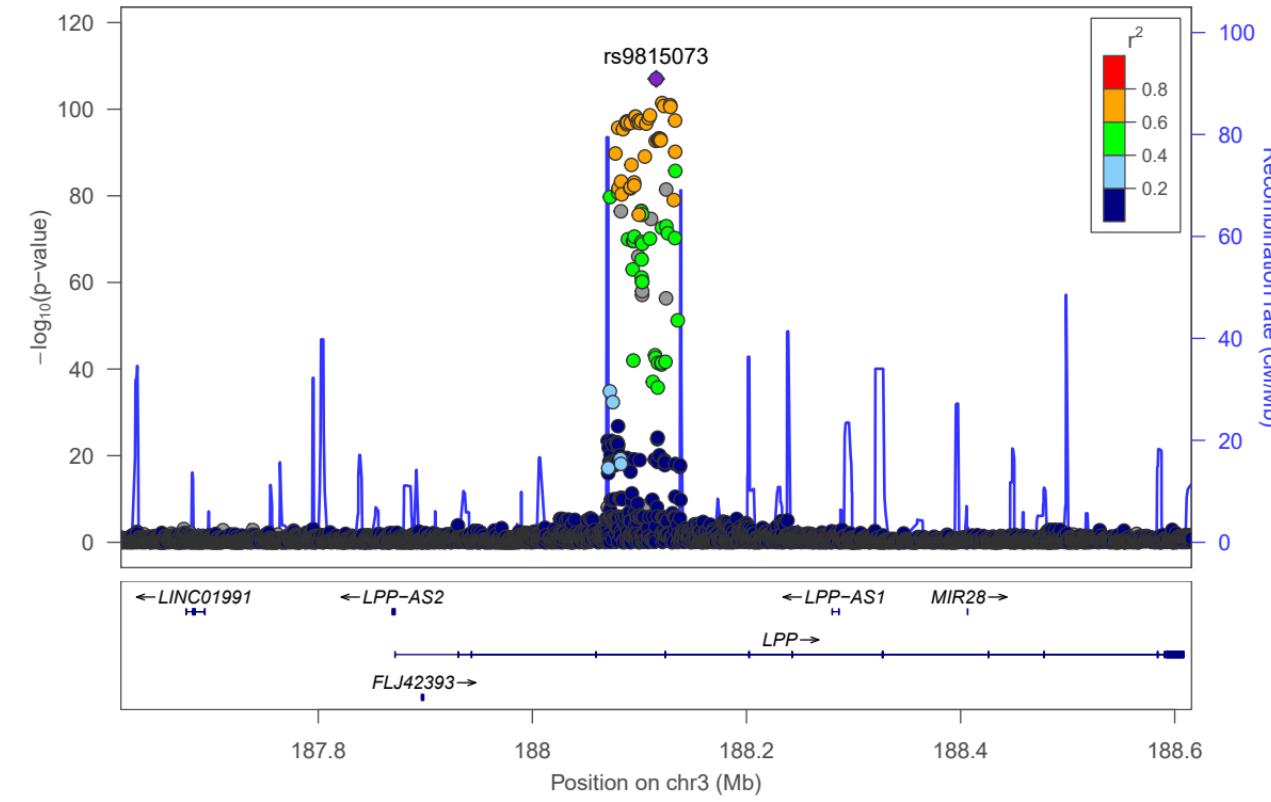
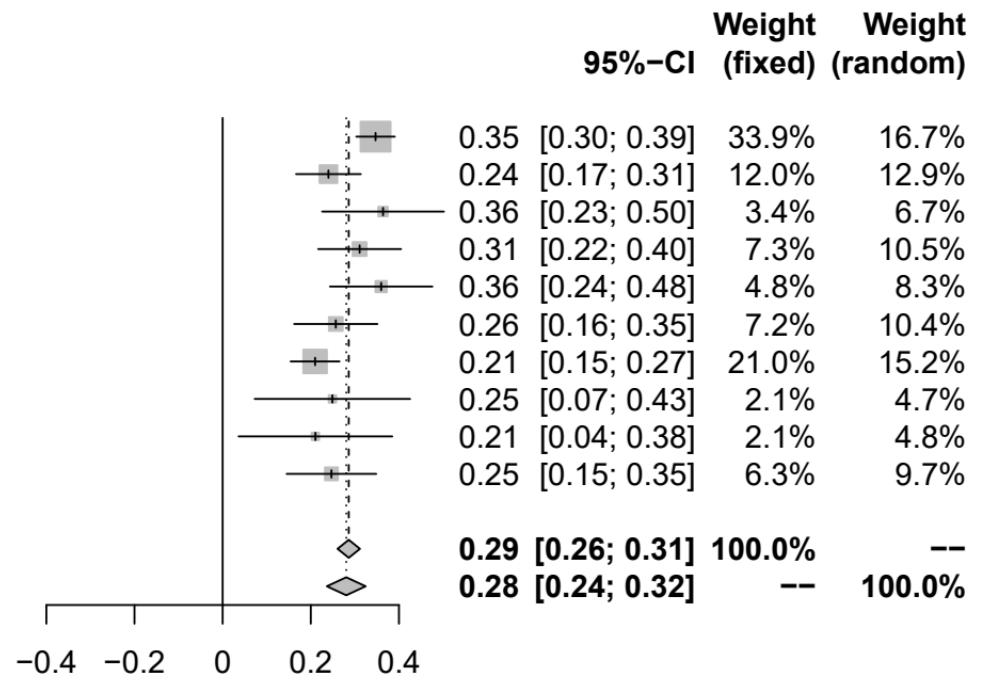
Study

	b	SE
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

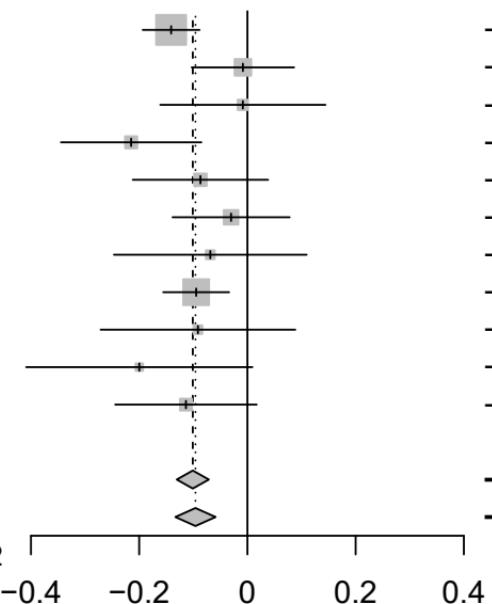
Random effects model

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

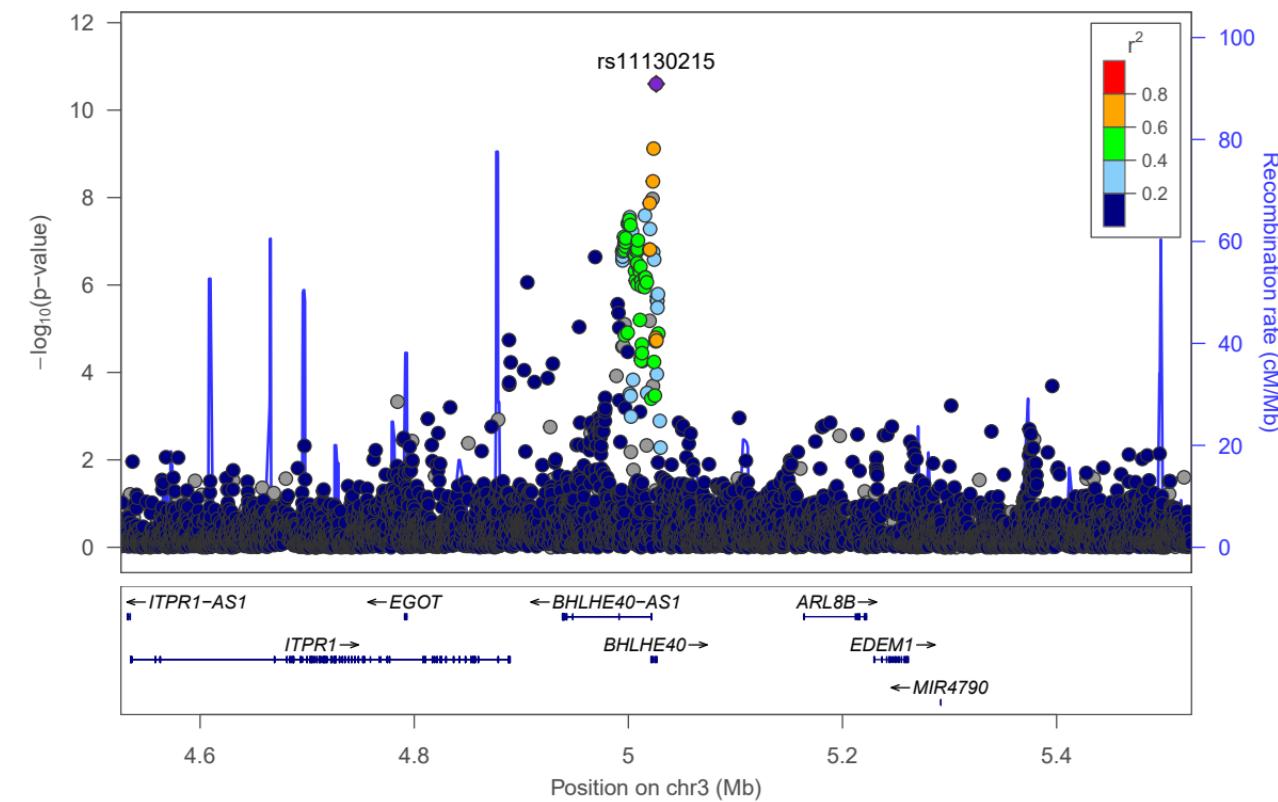


Study

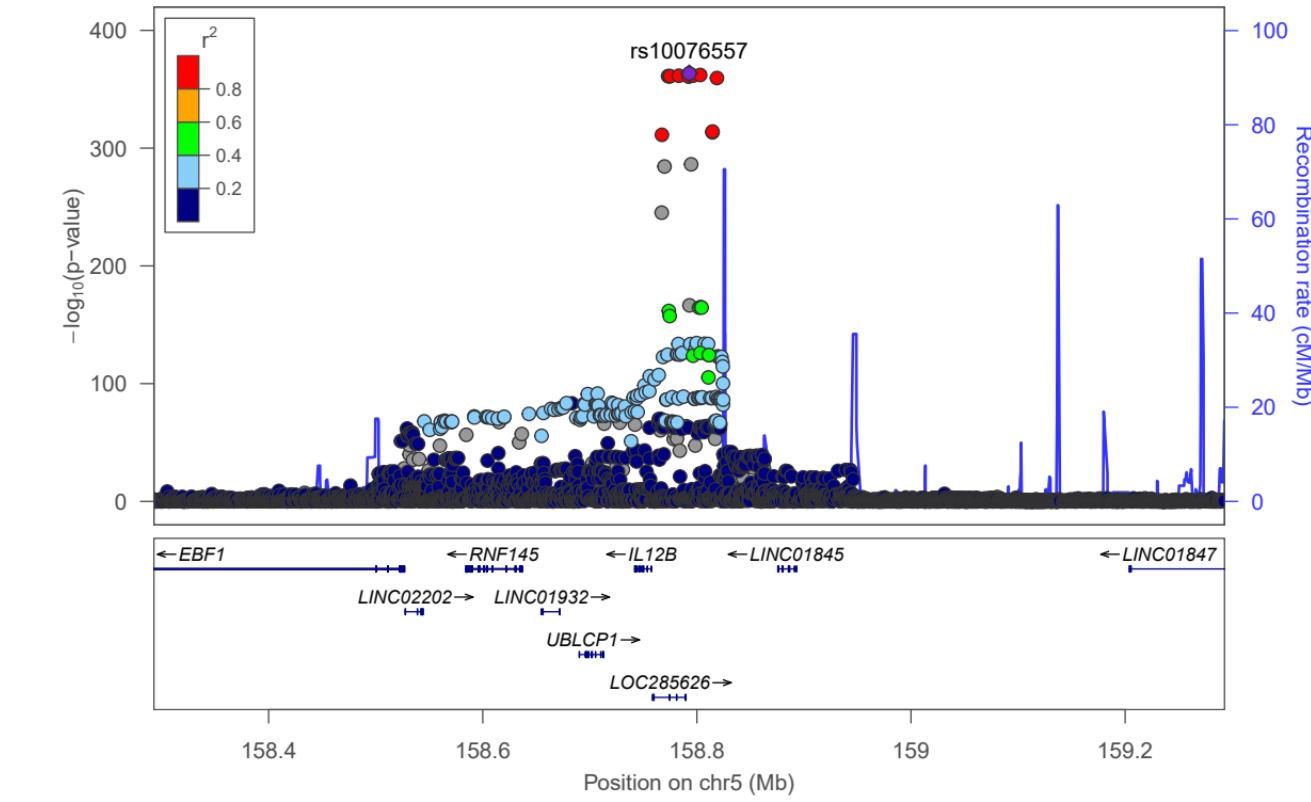
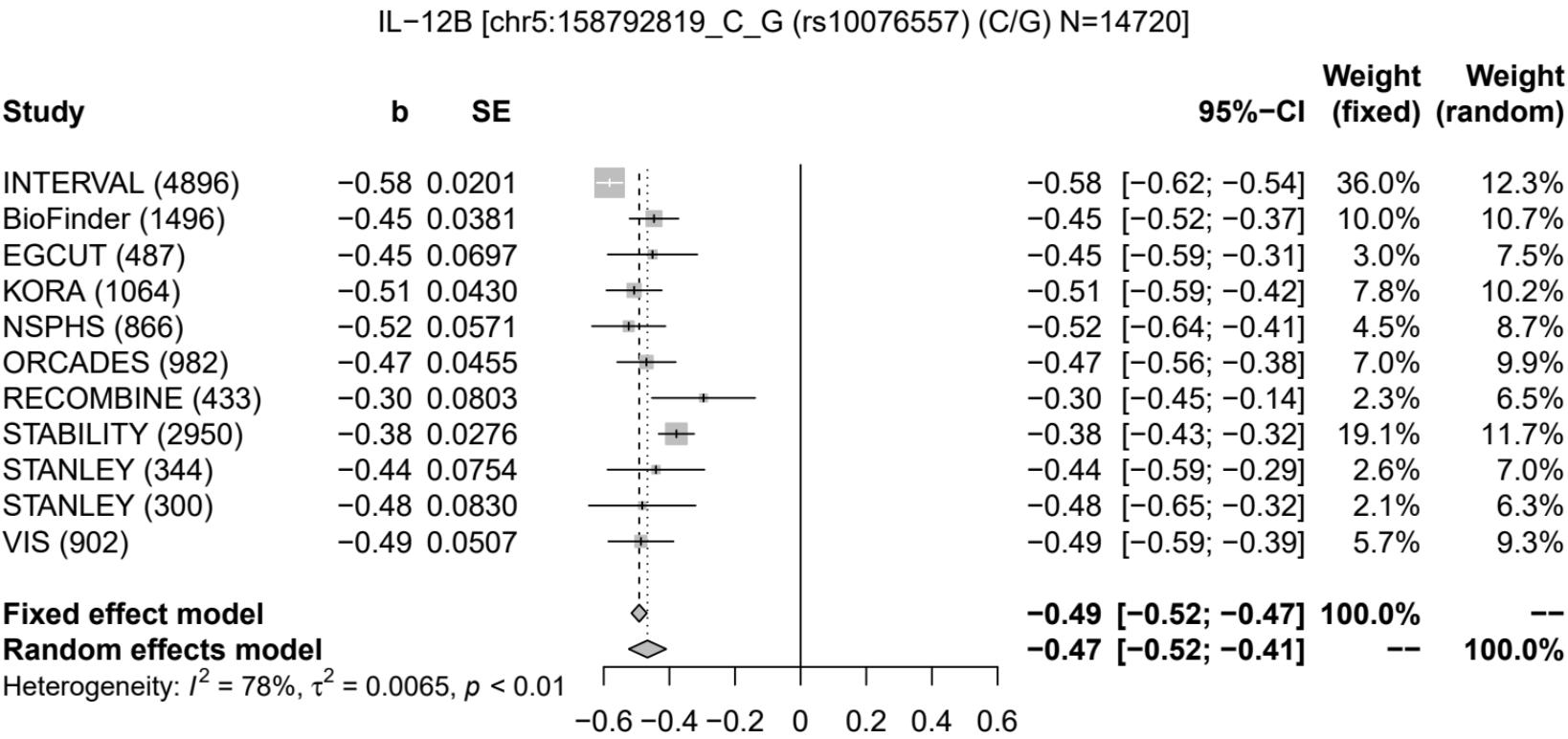
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (446)
STABILITY (2950)
STANLEY (344)
STANLEY (300)
VIS (902)

IL-12B [chr3:5026008_A_G (rs11130215) (A/G) N=14733]**b****SE****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 23\%$, $\tau^2 = 0.0009$, $p = 0.22$

	95%-CI	Weight (fixed)	Weight (random)
	-0.10 [-0.13; -0.07]	100.0%	--
	-0.10 [-0.13; -0.06]	--	100.0%

IL-12B (IL12B)-rs11130215

IL-12B (IL12B)-rs10076557



IL-12B (IL12B)-rs3130510

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

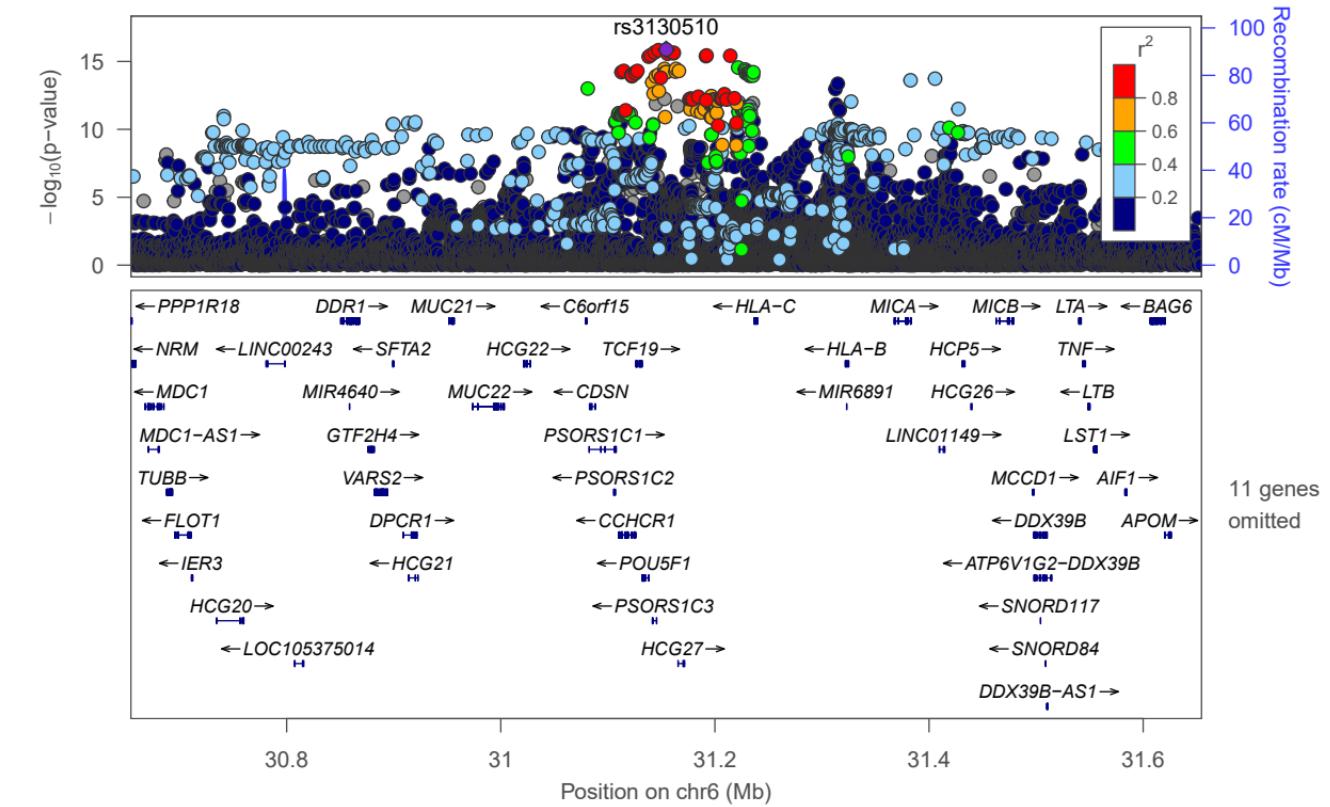
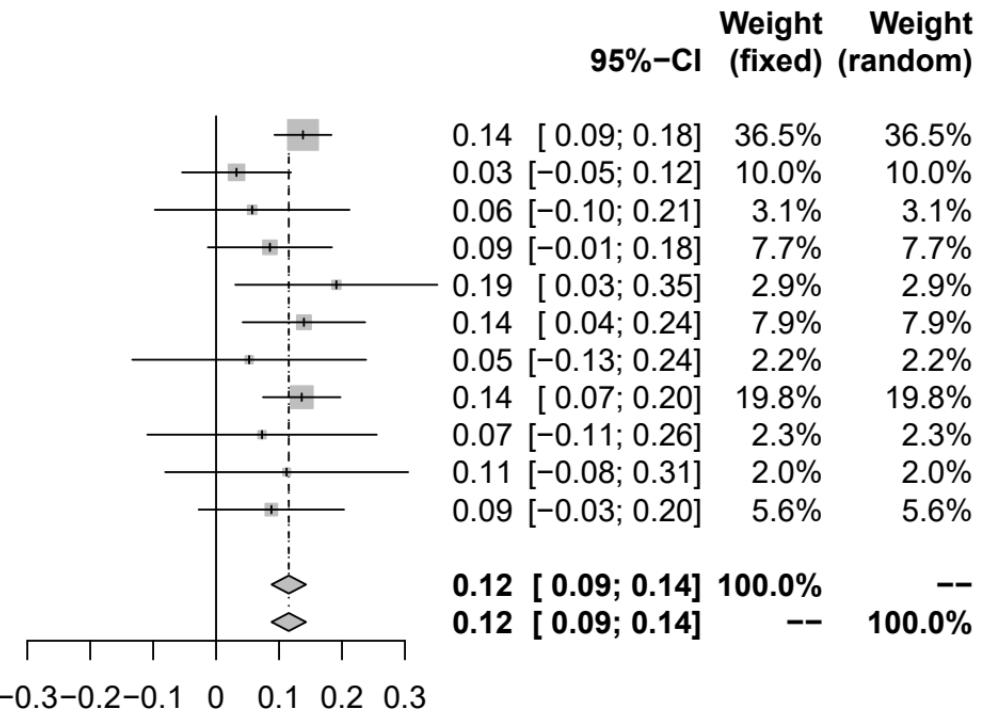
Study

	b	SE
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

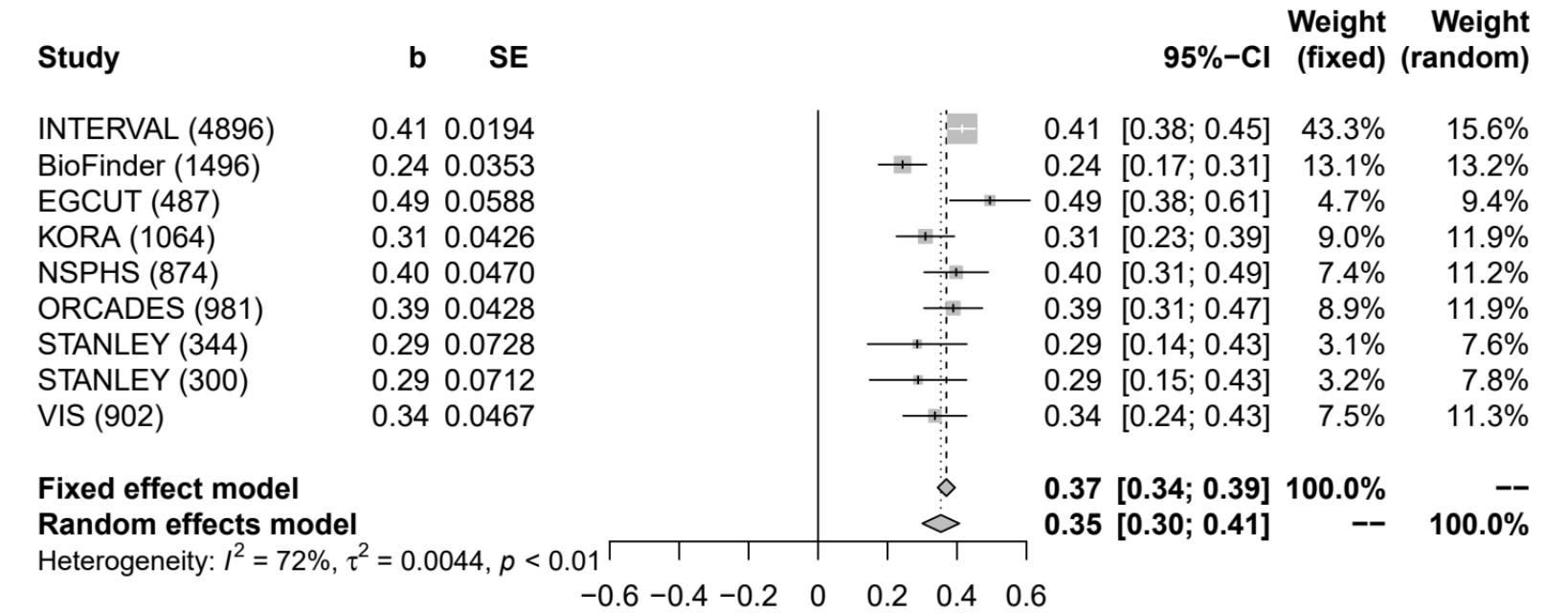
Fixed effect model

Random effects model

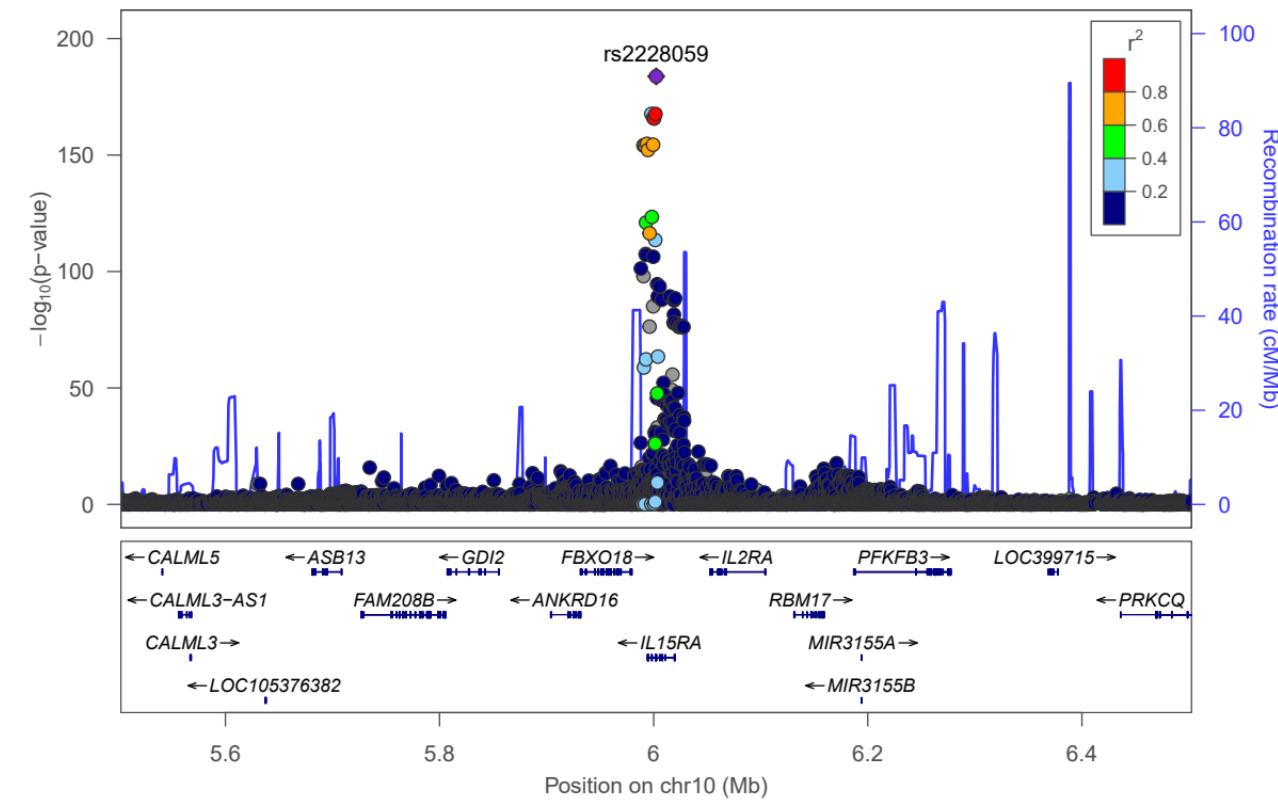
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.65$



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



IL-15RA (IL15RA)-rs2228059



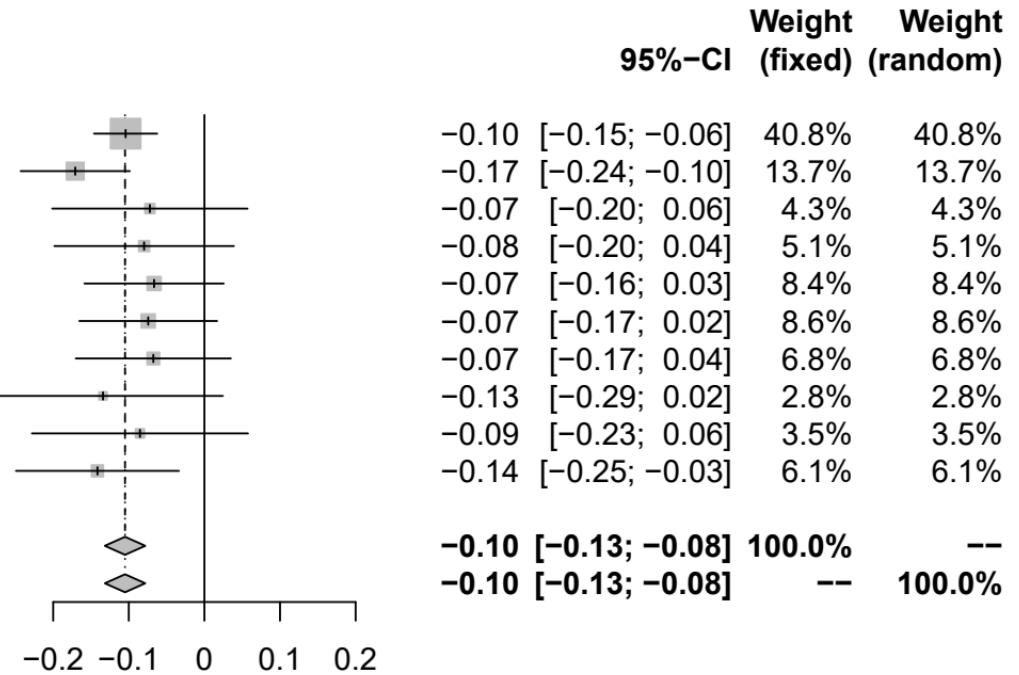
Study

	b	SE
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

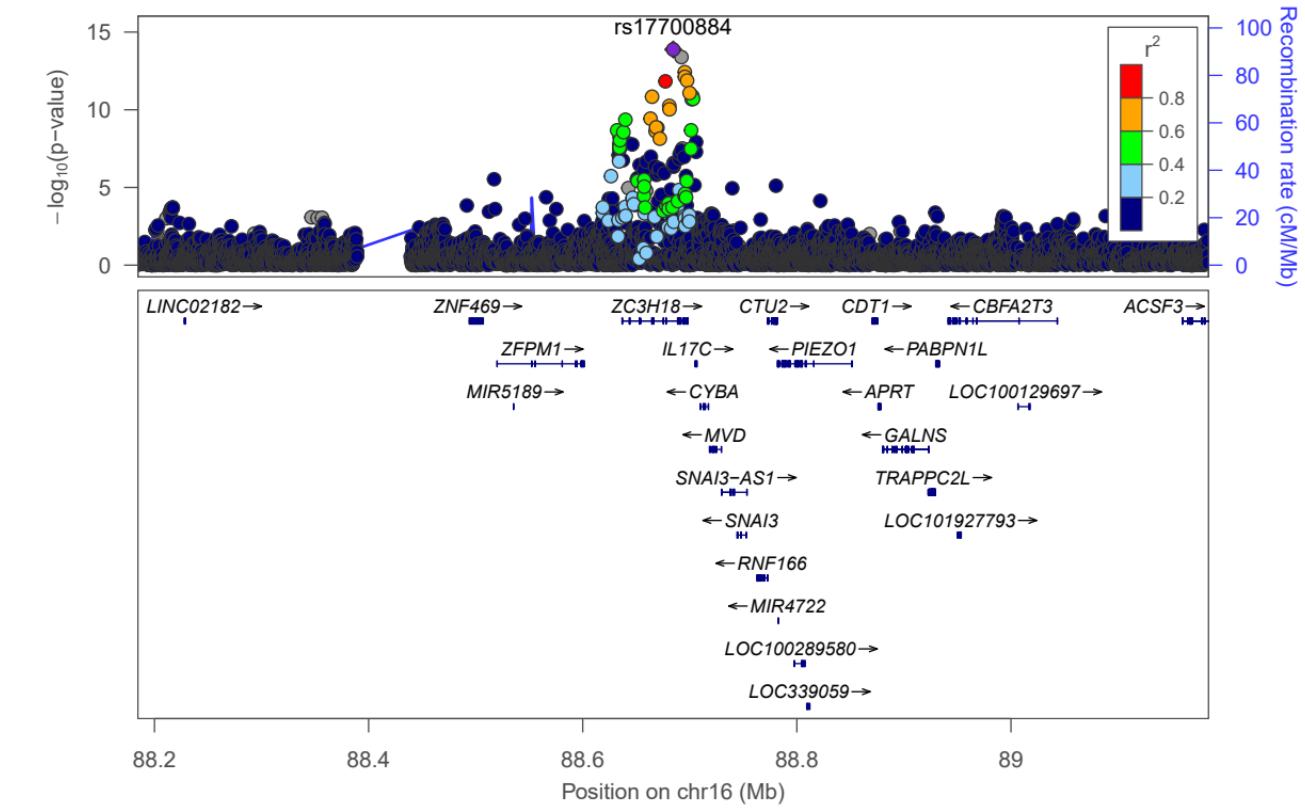
Fixed effect model
Random effects model

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

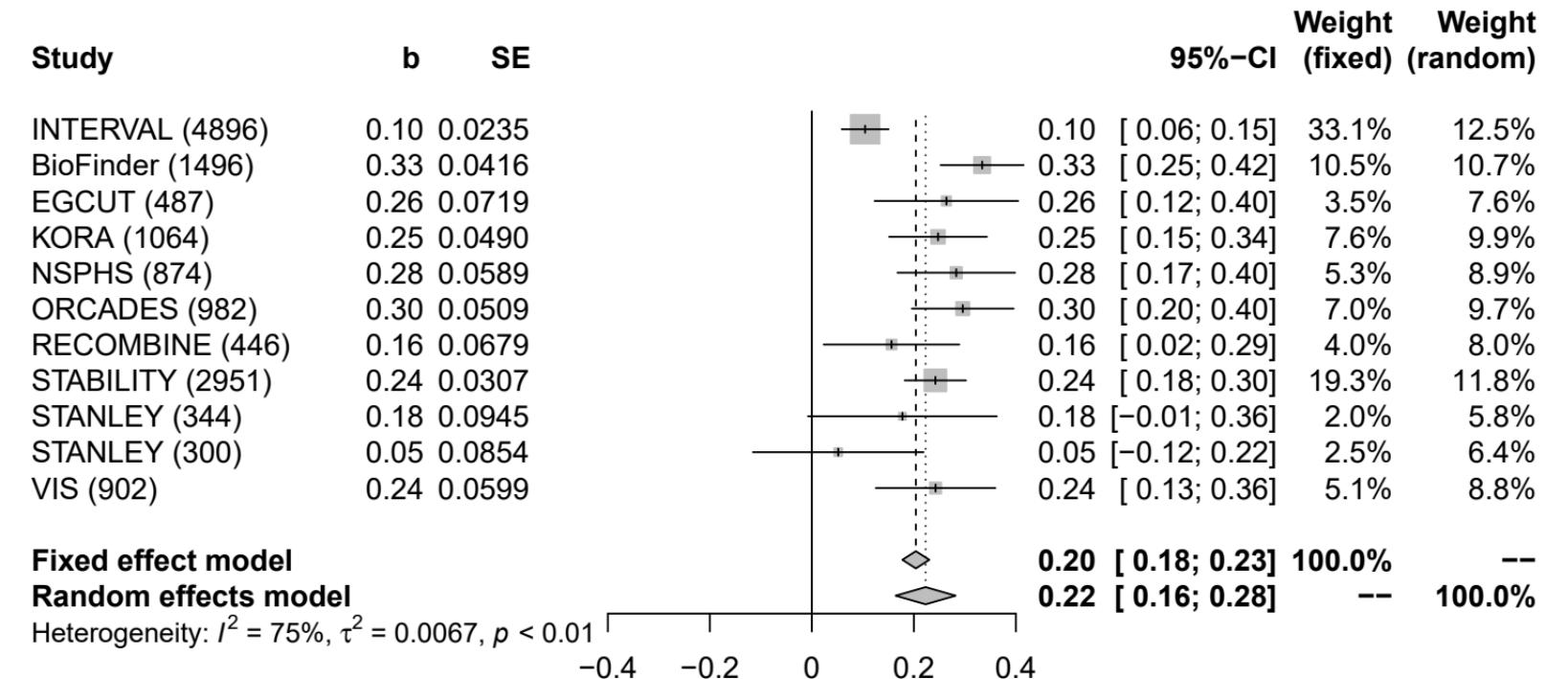
IL-17C [chr16:88684495_G_T (rs17700884) (T/G) N=11775]



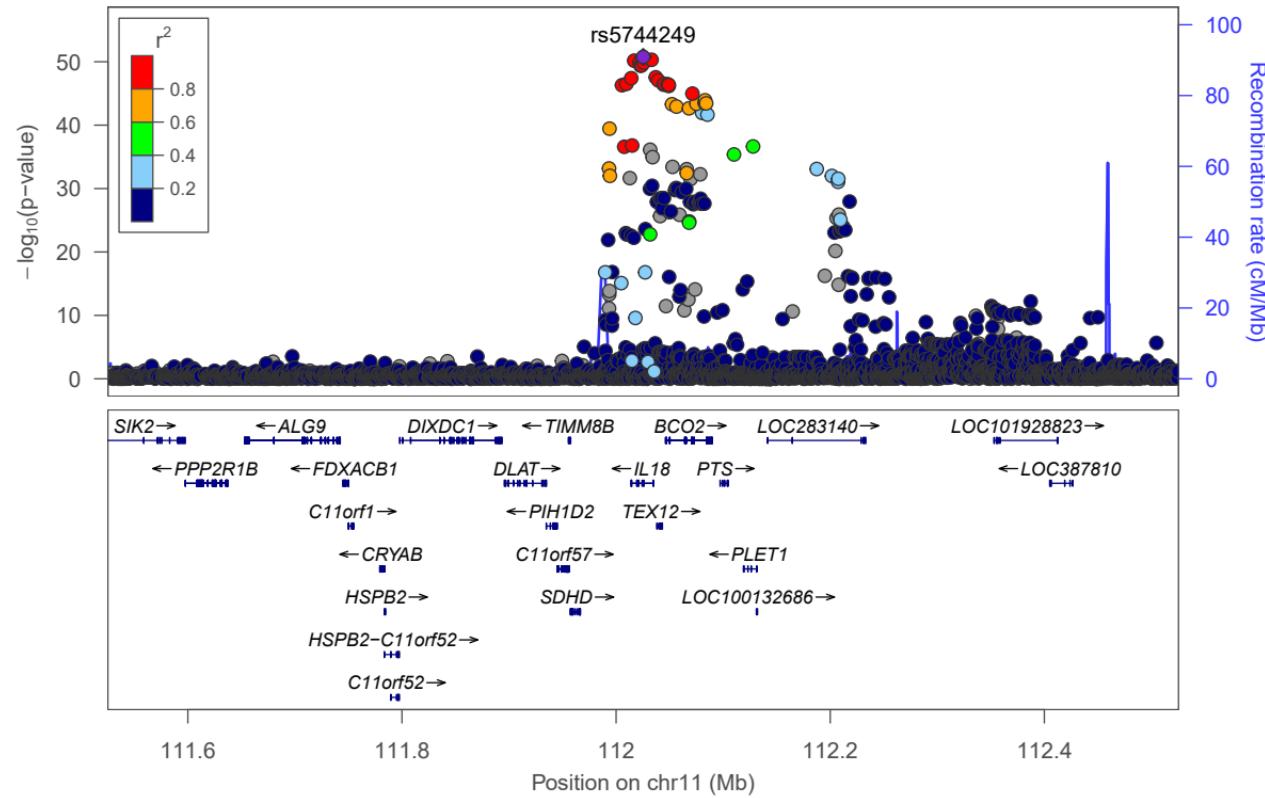
IL-17C (IL17C)-rs17700884



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

Study	b	SE
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

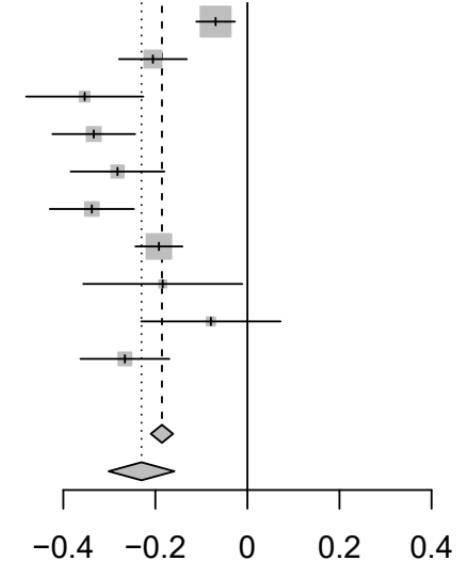
Fixed effect model

Random effects model

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

b

SE

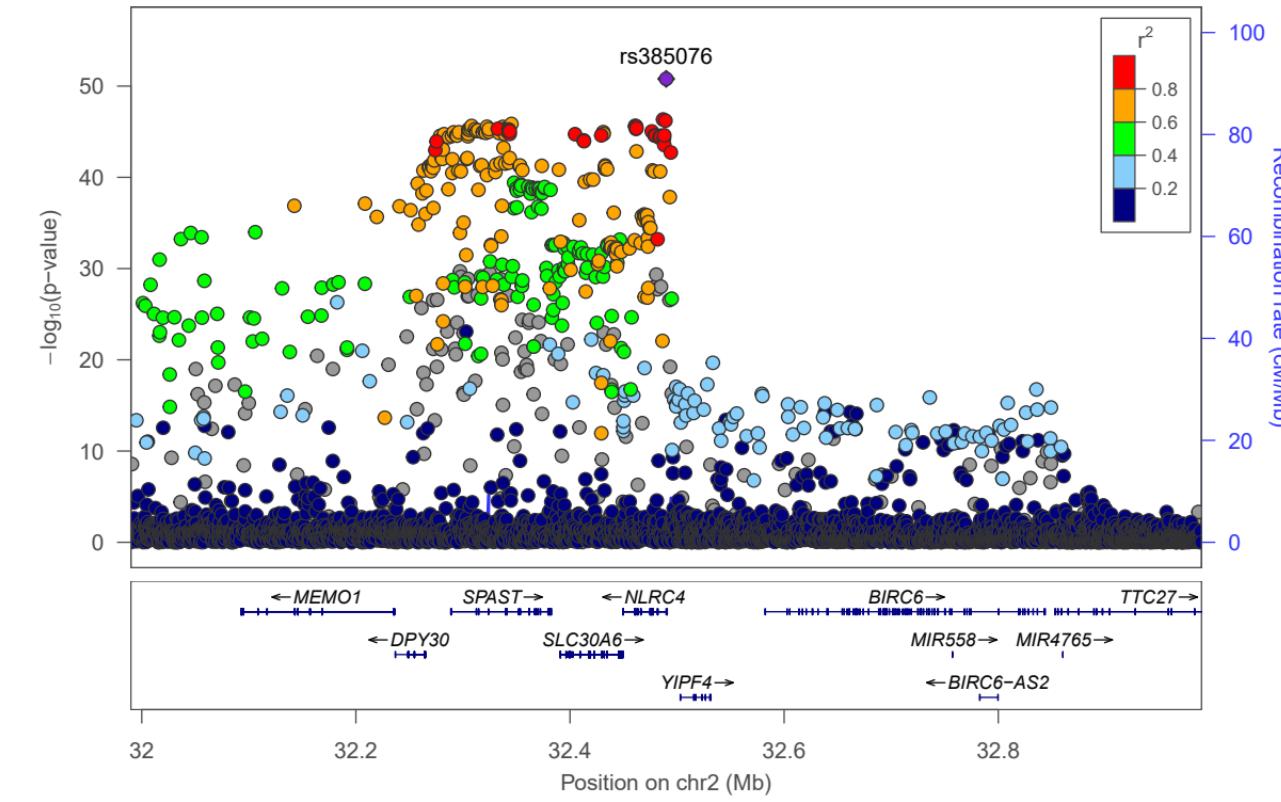


Weight
95%-CI

(fixed) **(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



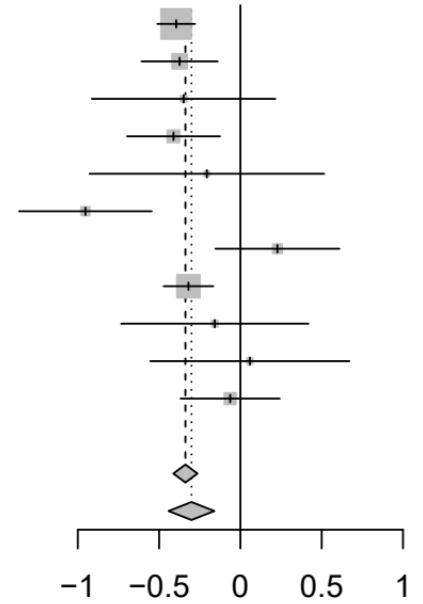
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
RECOMBINE (448)
STABILITY (2950)
STANLEY (344)
STANLEY (300)
VIS (902)

IL-18R1 [chr17:64305051_A_G (rs78357146) (A/G) N=14743]

b **SE**

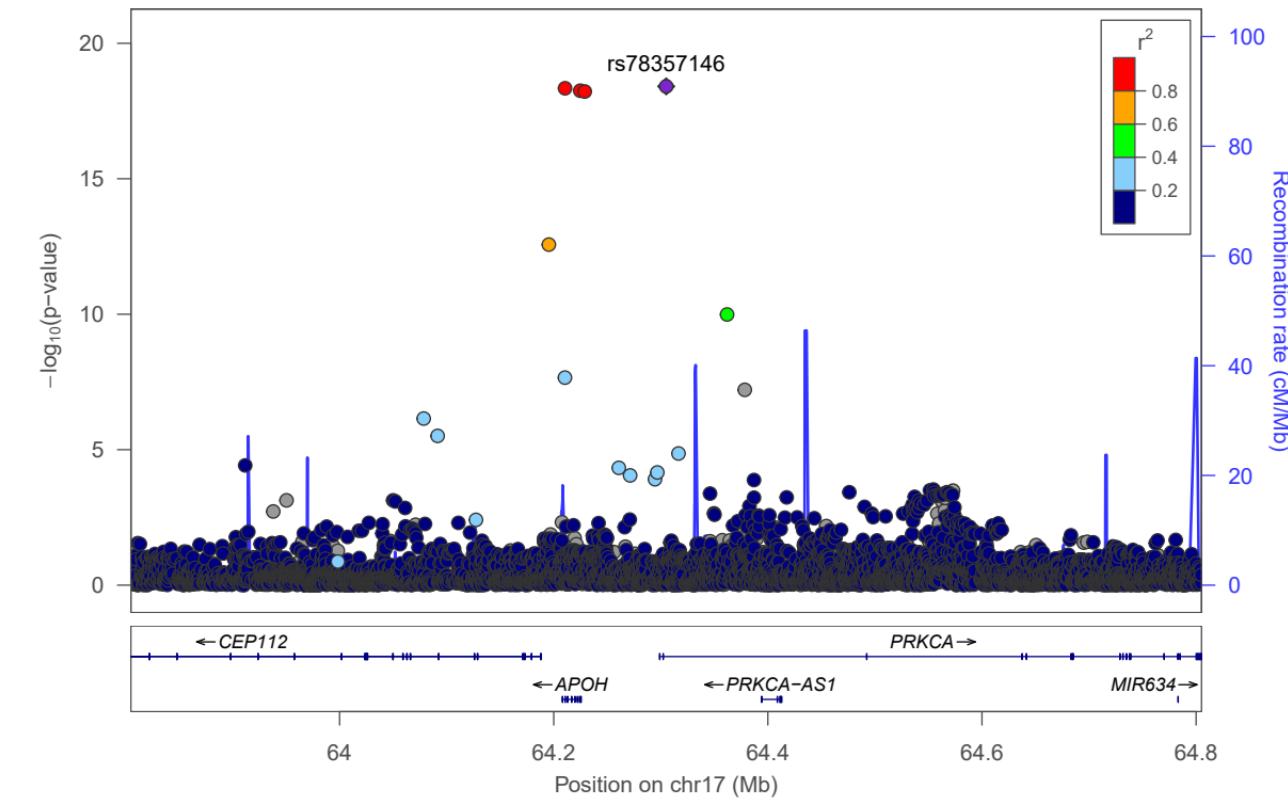
-0.40 0.0593
-0.37 0.1194
-0.35 0.2880
-0.41 0.1459
-0.21 0.3682
-0.95 0.2081
0.23 0.1945
-0.32 0.0779
-0.16 0.2938
0.06 0.3125
-0.06 0.1557



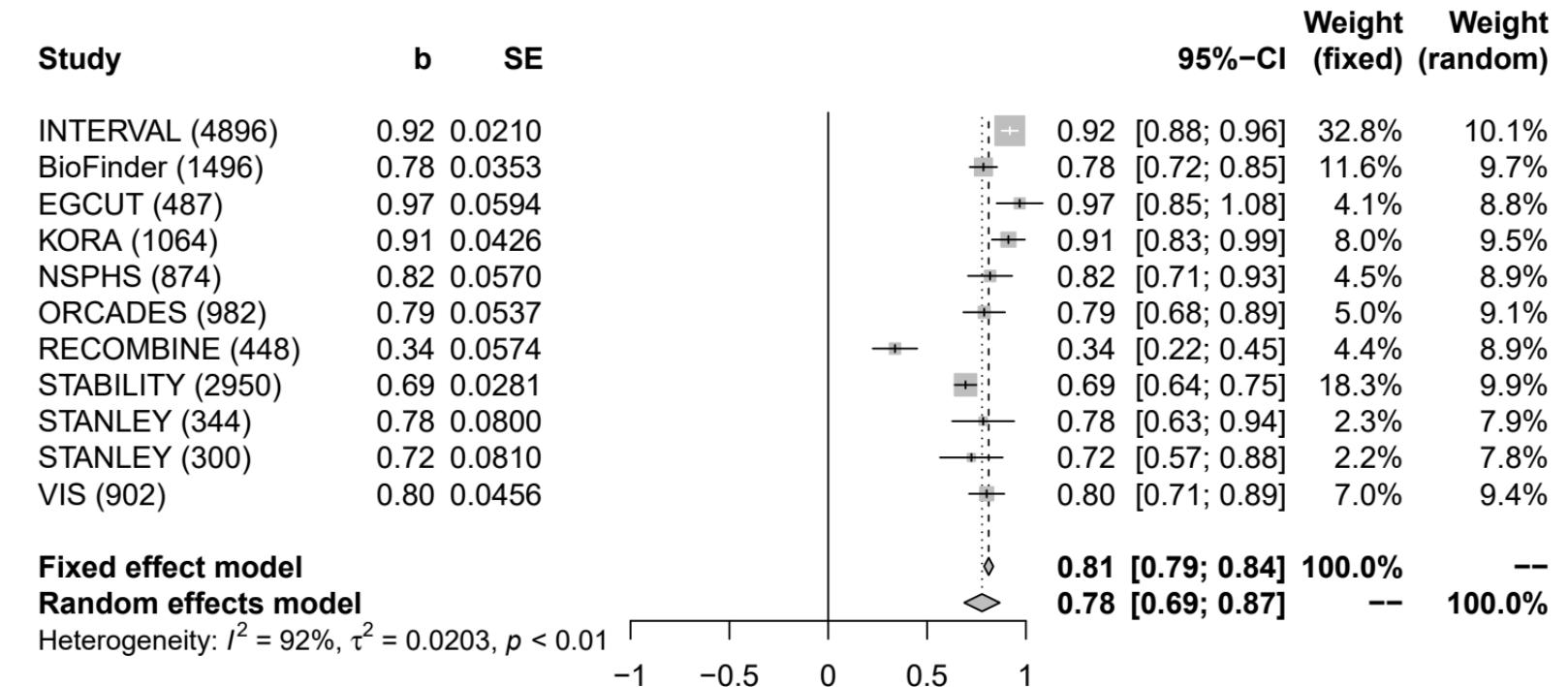
		95%-CI	Weight (fixed)	Weight (random)
		-0.40 [-0.51; -0.28]	40.8%	17.5%
		-0.37 [-0.61; -0.14]	10.0%	12.8%
		-0.35 [-0.91; 0.22]	1.7%	4.7%
		-0.41 [-0.70; -0.13]	6.7%	10.9%
		-0.21 [-0.93; 0.52]	1.1%	3.2%
		-0.95 [-1.36; -0.55]	3.3%	7.5%
		0.23 [-0.15; 0.61]	3.8%	8.1%
		-0.32 [-0.47; -0.17]	23.6%	16.1%
		-0.16 [-0.73; 0.42]	1.7%	4.6%
		0.06 [-0.55; 0.67]	1.5%	4.2%
		-0.06 [-0.37; 0.24]	5.9%	10.3%
		-0.34 [-0.41; -0.26]	100.0%	--
		-0.30 [-0.44; -0.16]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 58\%$, $\tau^2 = 0.0260$, $p < 0.01$

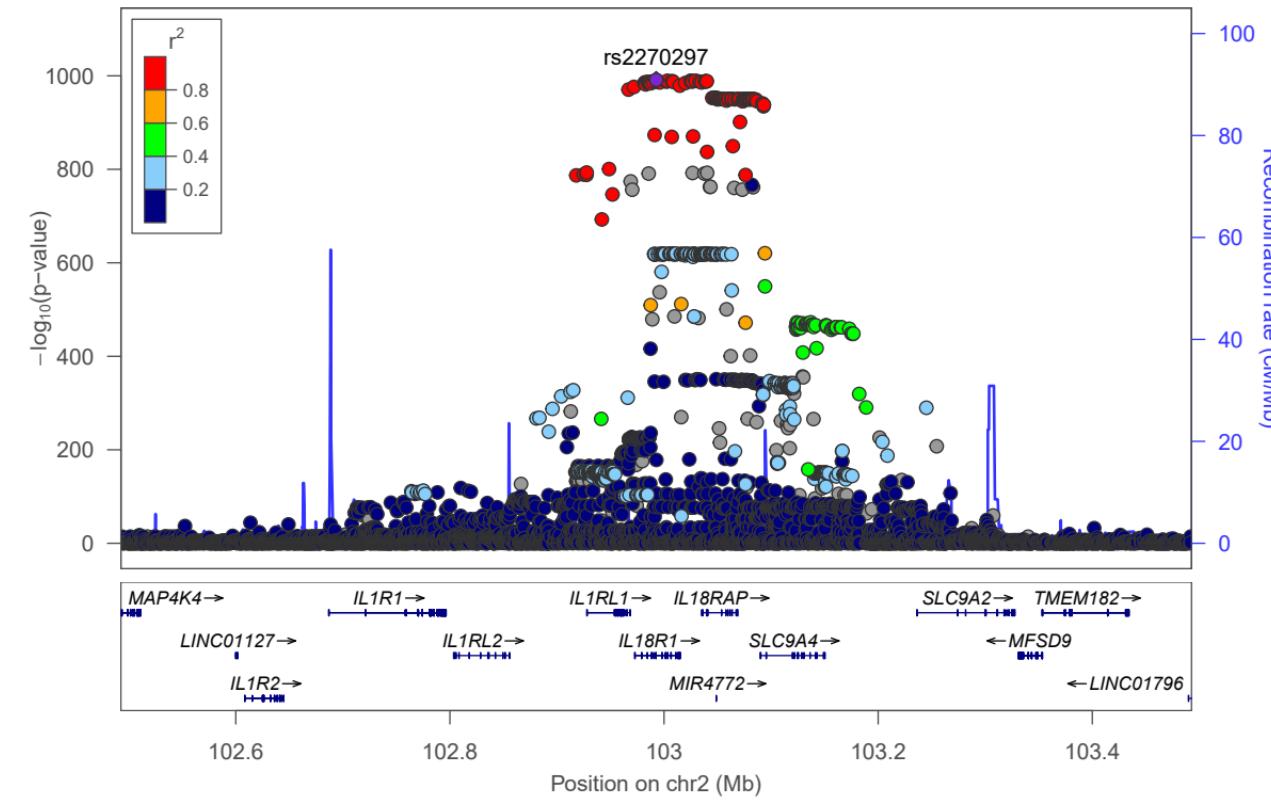
IL-18R1 (IL18R1)-rs78357146



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]

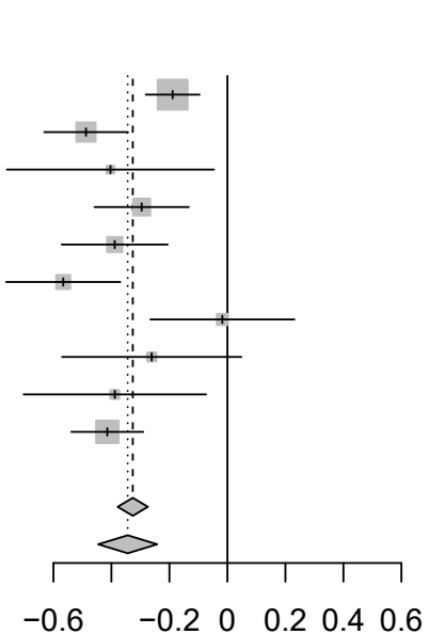
Study

	b	SE
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

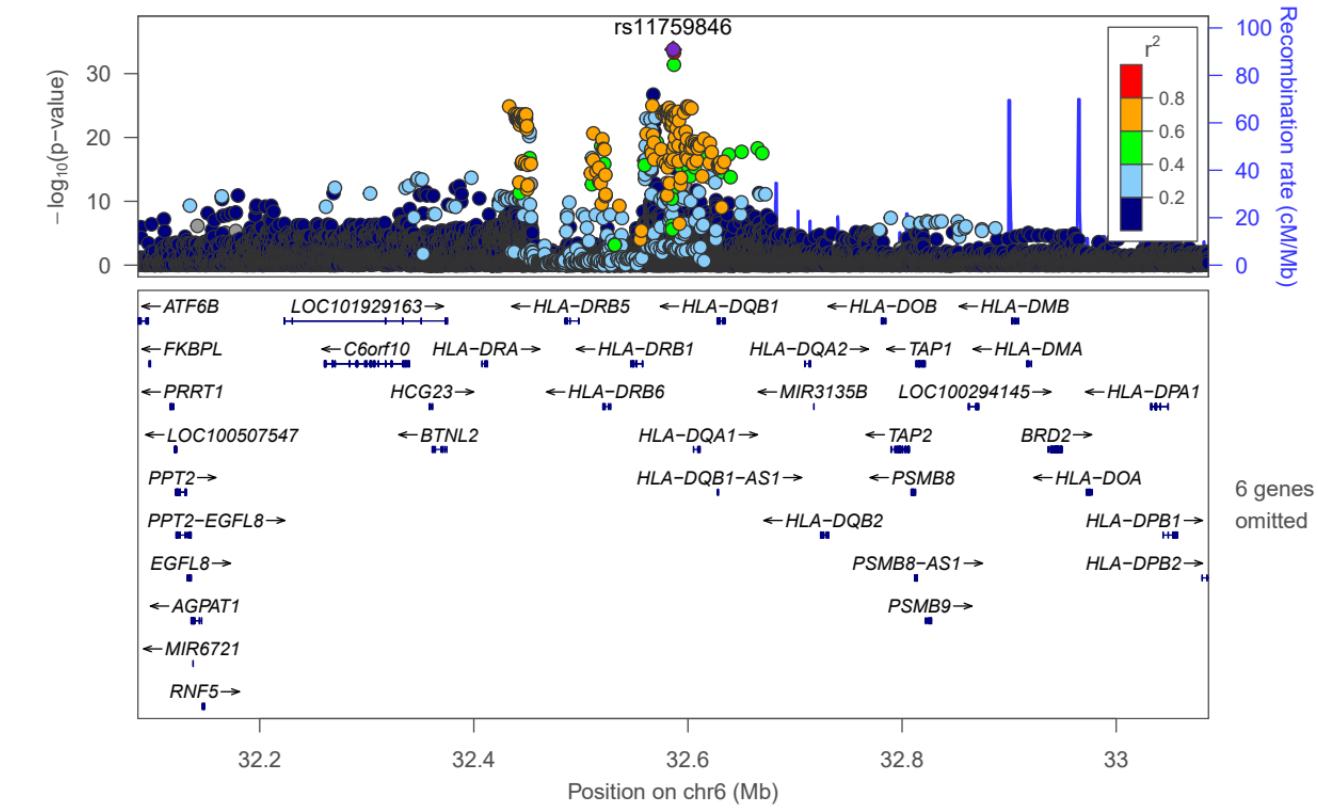
Random effects model

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



	95%-CI	Weight (fixed)	Weight (random)
	-0.19 [-0.28; -0.10]	31.5%	14.6%
	-0.49 [-0.63; -0.34]	13.1%	12.5%
	-0.40 [-0.76; -0.05]	2.1%	5.5%
	-0.30 [-0.46; -0.13]	10.3%	11.7%
	-0.39 [-0.57; -0.21]	8.1%	10.8%
	-0.57 [-0.76; -0.37]	7.0%	10.3%
	-0.02 [-0.27; 0.23]	4.4%	8.4%
	-0.26 [-0.57; 0.05]	2.9%	6.6%
	-0.39 [-0.70; -0.07]	2.8%	6.4%
	-0.41 [-0.54; -0.29]	17.7%	13.3%
	-0.33 [-0.38; -0.27]	100.0%	--
	-0.34 [-0.45; -0.24]	--	100.0%

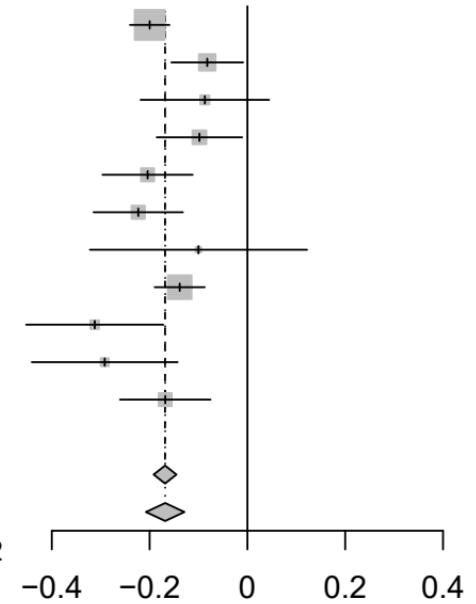
IL-1 (alpha)-rs11759846



Study

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

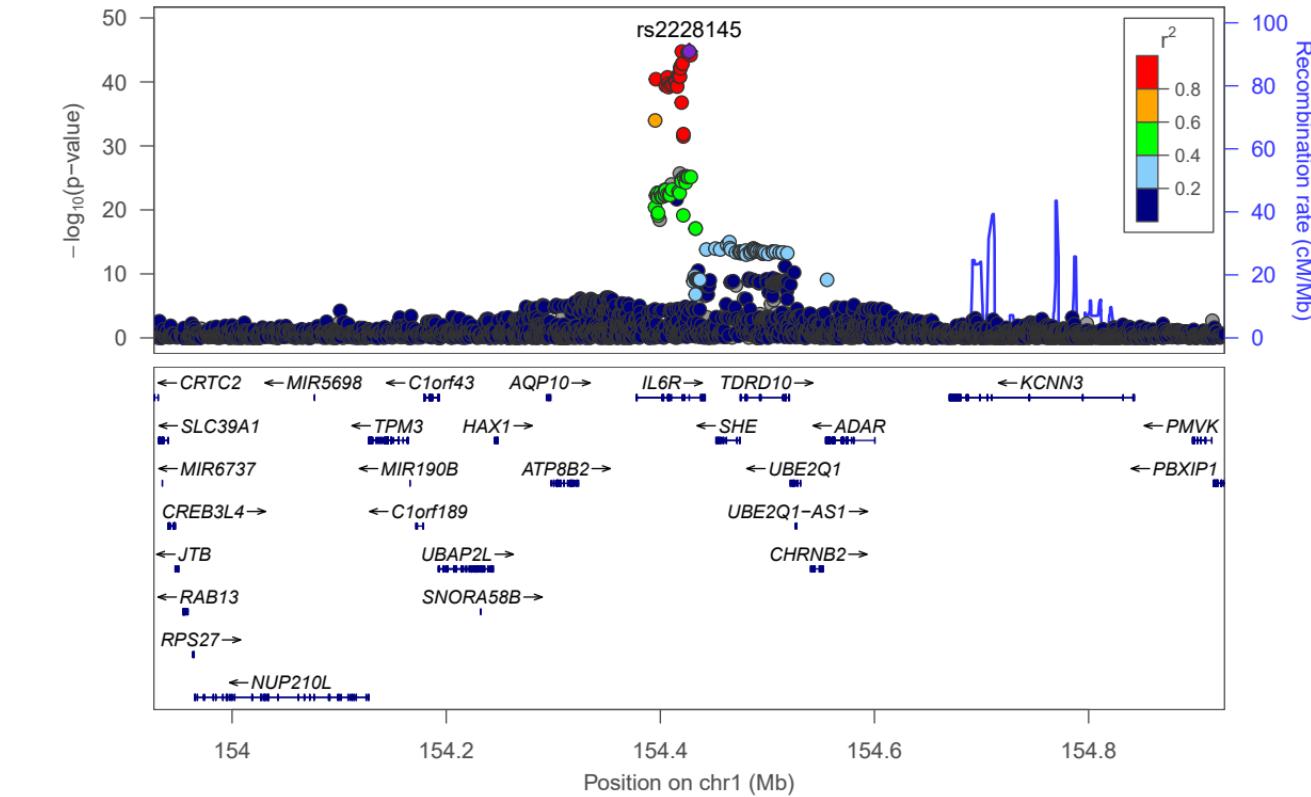
IL-6 [chr1:154426970_A_C (rs2228145) (A/C) N=14743]

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

-0.20	[-0.24; -0.16]	33.3%	16.1%
-0.08	[-0.16; -0.01]	10.1%	11.6%
-0.09	[-0.22; 0.04]	3.1%	6.1%
-0.10	[-0.19; -0.01]	7.1%	9.9%
-0.20	[-0.30; -0.11]	6.4%	9.4%
-0.22	[-0.31; -0.13]	6.5%	9.5%
-0.10	[-0.32; 0.12]	1.1%	2.7%
-0.14	[-0.19; -0.09]	20.8%	14.6%
-0.31	[-0.45; -0.17]	2.8%	5.6%
-0.29	[-0.44; -0.14]	2.4%	5.1%
-0.17	[-0.26; -0.08]	6.3%	9.3%

-0.17 [-0.19; -0.15] 100.0%**-0.17 [-0.21; -0.13] -- 100.0%****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 54\%$, $\tau^2 = 0.0021$, $p = 0.02$

IL-6 (IL6)-rs2228145

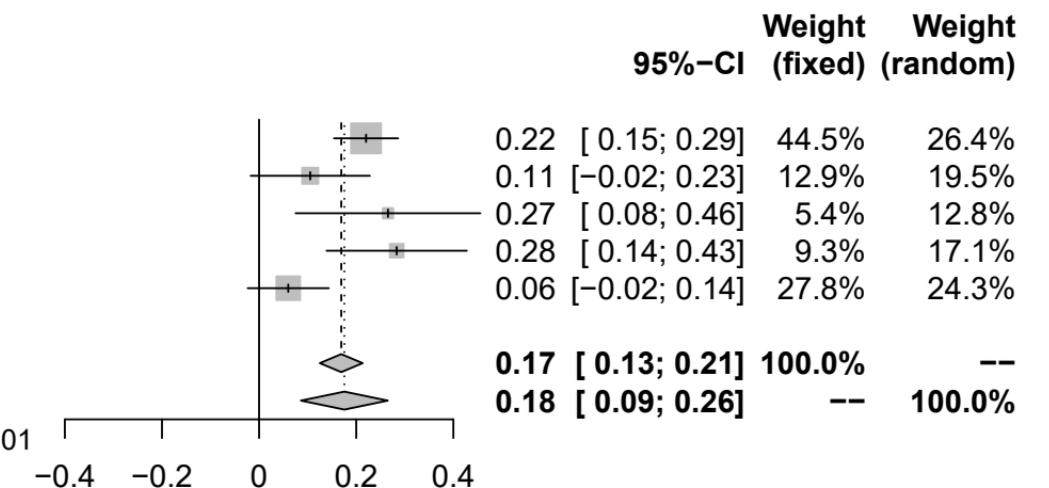


IL-7 [chr8:79713766_A_G (rs112359206) (A/G) N=10894]

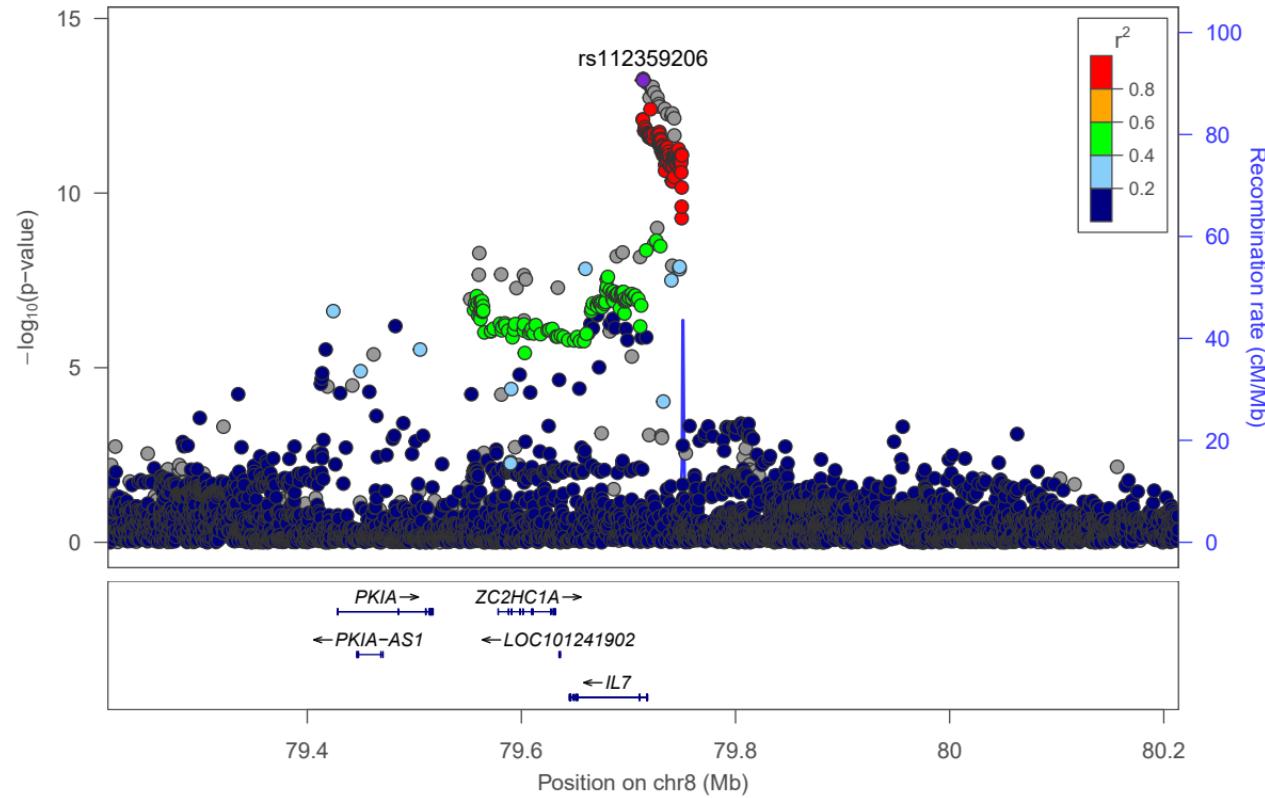
Study

	b	SE
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

b **SE**



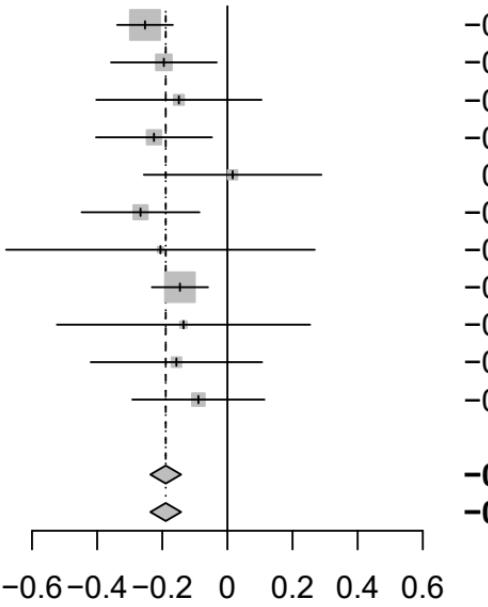
IL-7 (IL7)-rs112359206



Study

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

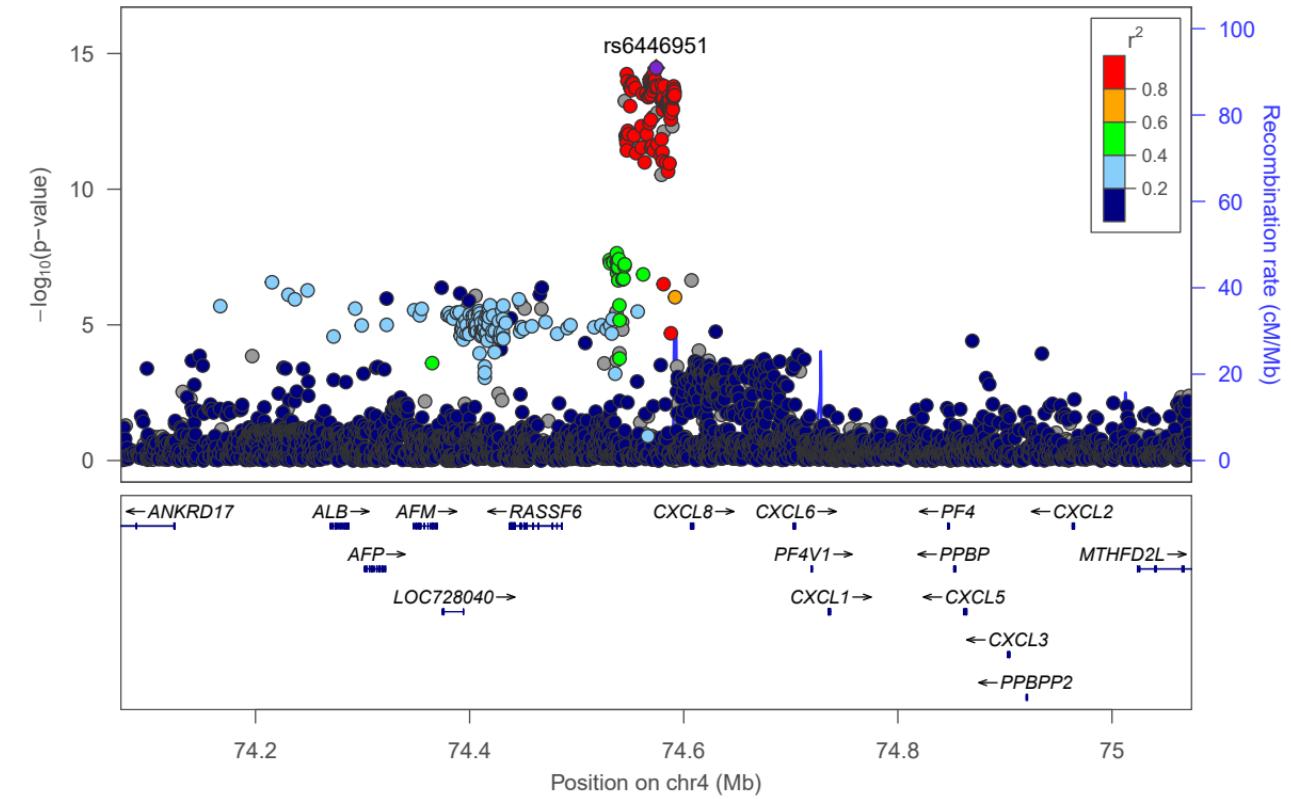
IL-8 [chr4:74574265_A_G (rs6446951) (A/G) N=14729]

b**SE**

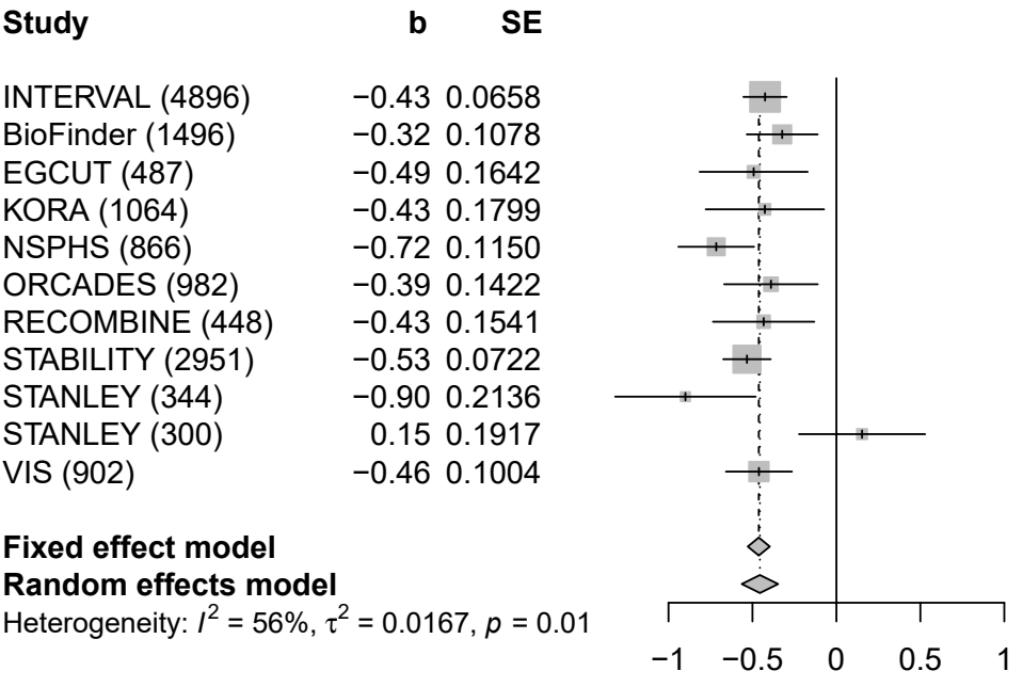
		95%-CI	Weight (fixed)	Weight (random)
		-0.25 [-0.34; -0.17]	30.4%	30.4%
		-0.20 [-0.36; -0.03]	8.4%	8.4%
		-0.15 [-0.40; 0.10]	3.4%	3.4%
		-0.23 [-0.40; -0.05]	7.0%	7.0%
		0.02 [-0.26; 0.29]	3.0%	3.0%
		-0.27 [-0.45; -0.09]	6.8%	6.8%
		-0.21 [-0.68; 0.27]	1.0%	1.0%
		-0.15 [-0.23; -0.06]	29.9%	29.9%
		-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%
		-0.19 [-0.24; -0.14]	100.0%	--
		-0.19 [-0.24; -0.14]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.69$

IL-8 (IL8)-rs6446951

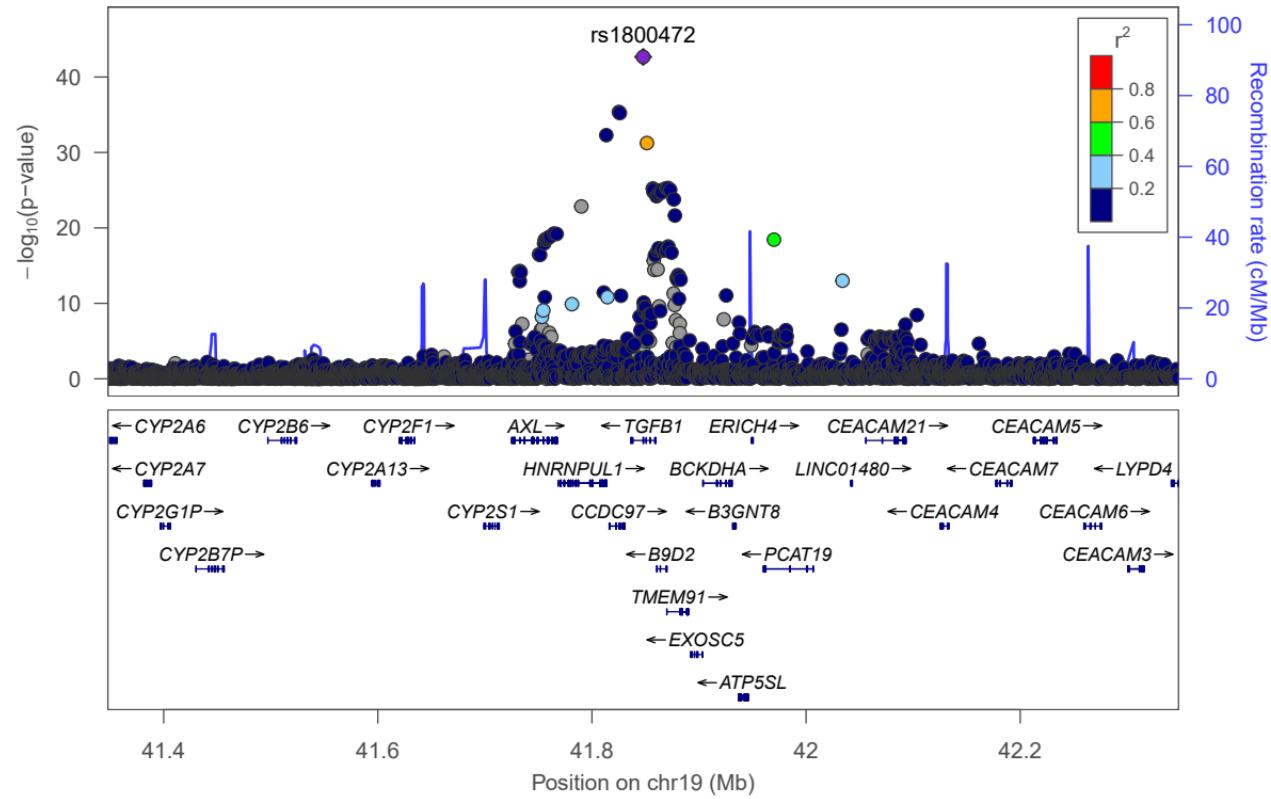


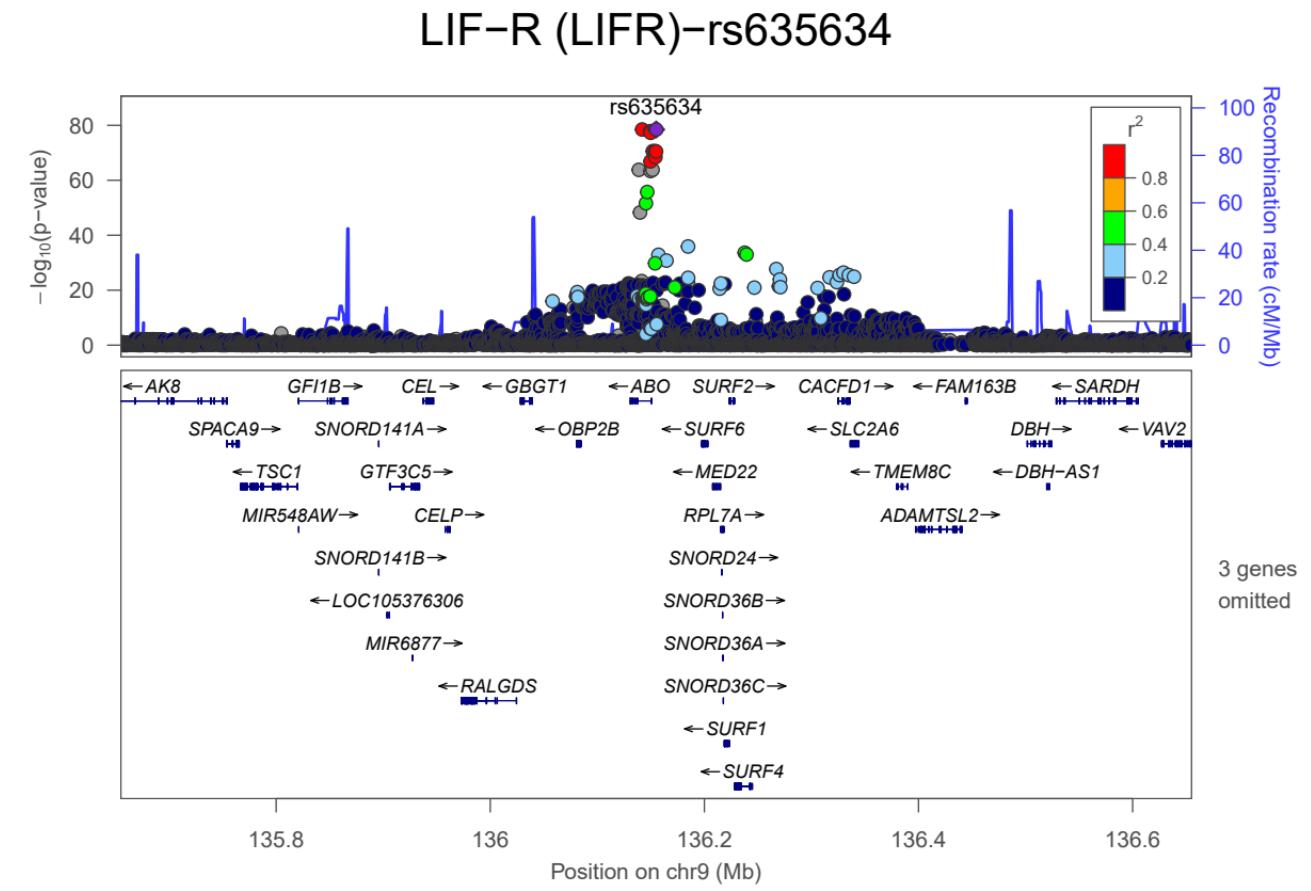
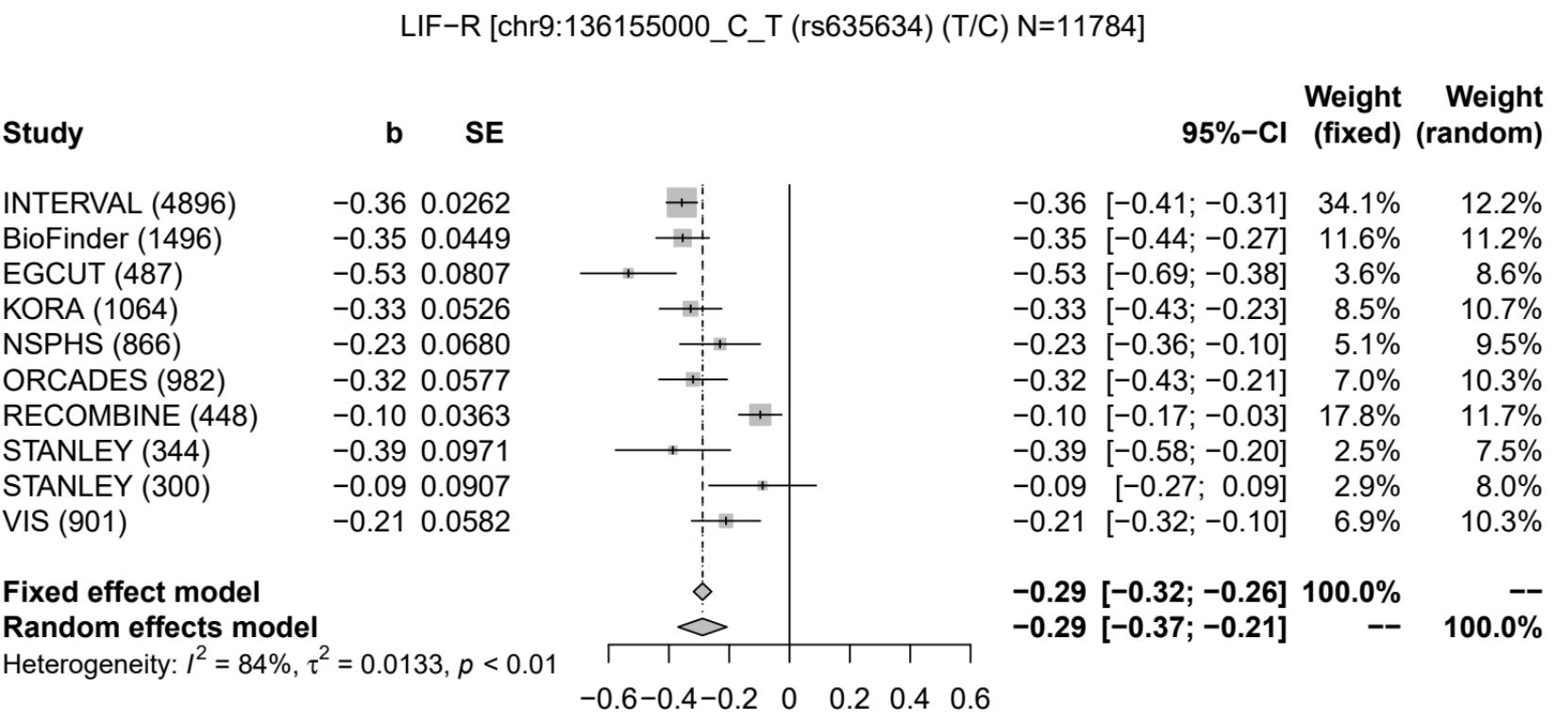
LAP TGF-beta-1 [chr19:41847860_A_G (rs1800472) (A/G) N=14736]



		95%-CI	Weight (fixed)	Weight (random)
		-0.43 [-0.55; -0.30]	25.9%	14.4%
		-0.32 [-0.53; -0.11]	9.6%	10.7%
		-0.49 [-0.81; -0.17]	4.2%	7.0%
		-0.43 [-0.78; -0.07]	3.5%	6.2%
		-0.72 [-0.94; -0.49]	8.5%	10.2%
		-0.39 [-0.67; -0.11]	5.5%	8.2%
		-0.43 [-0.74; -0.13]	4.7%	7.5%
		-0.53 [-0.67; -0.39]	21.5%	13.9%
		-0.90 [-1.32; -0.48]	2.5%	4.9%
		0.15 [-0.22; 0.53]	3.0%	5.7%
		-0.46 [-0.66; -0.26]	11.1%	11.3%
		-0.46 [-0.53; -0.40]	100.0%	--
		-0.46 [-0.56; -0.35]	--	100.0%

LAP (TGF-beta-1)-rs1800472





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

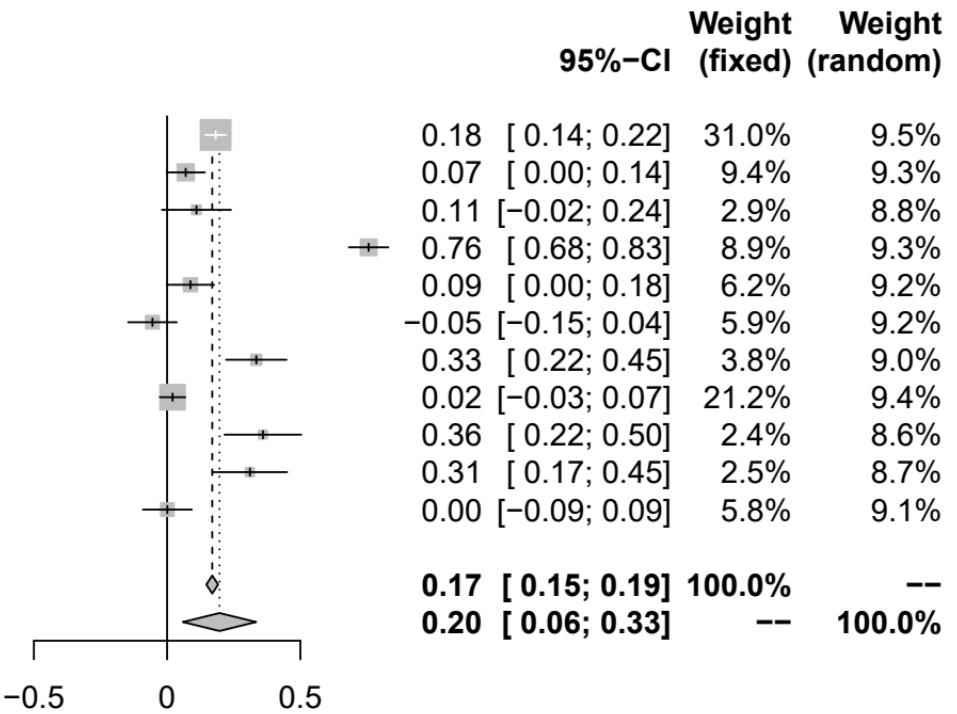
Study

	b	SE
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

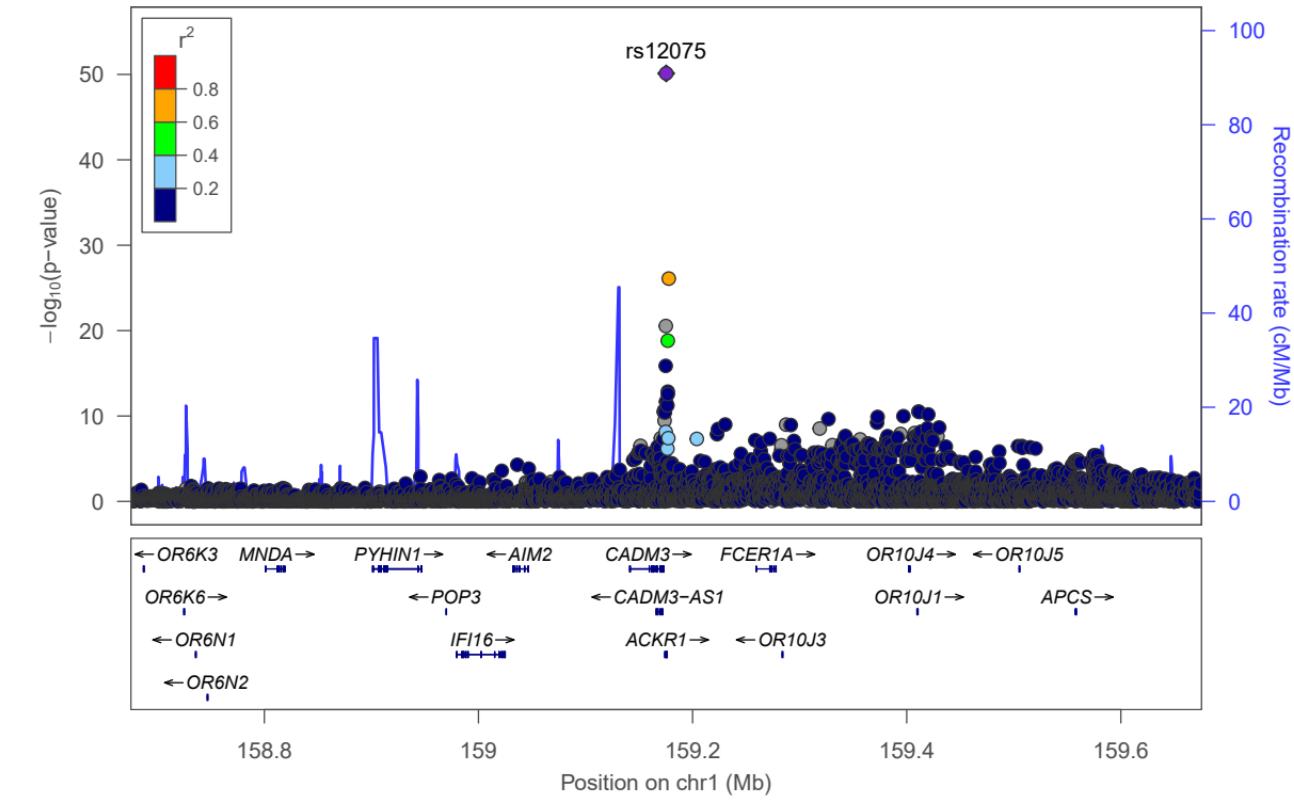
Fixed effect model

Random effects model

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

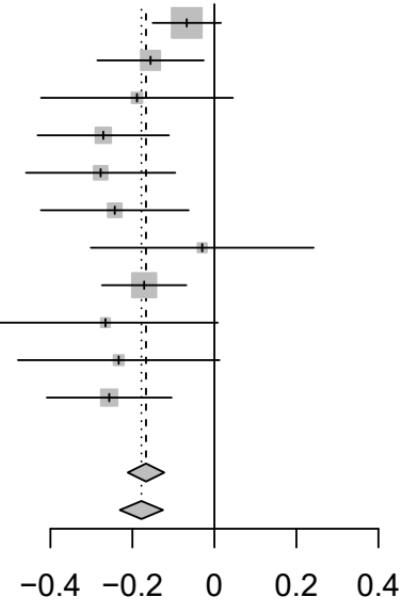


MCP-1 (CCL2)-rs12075

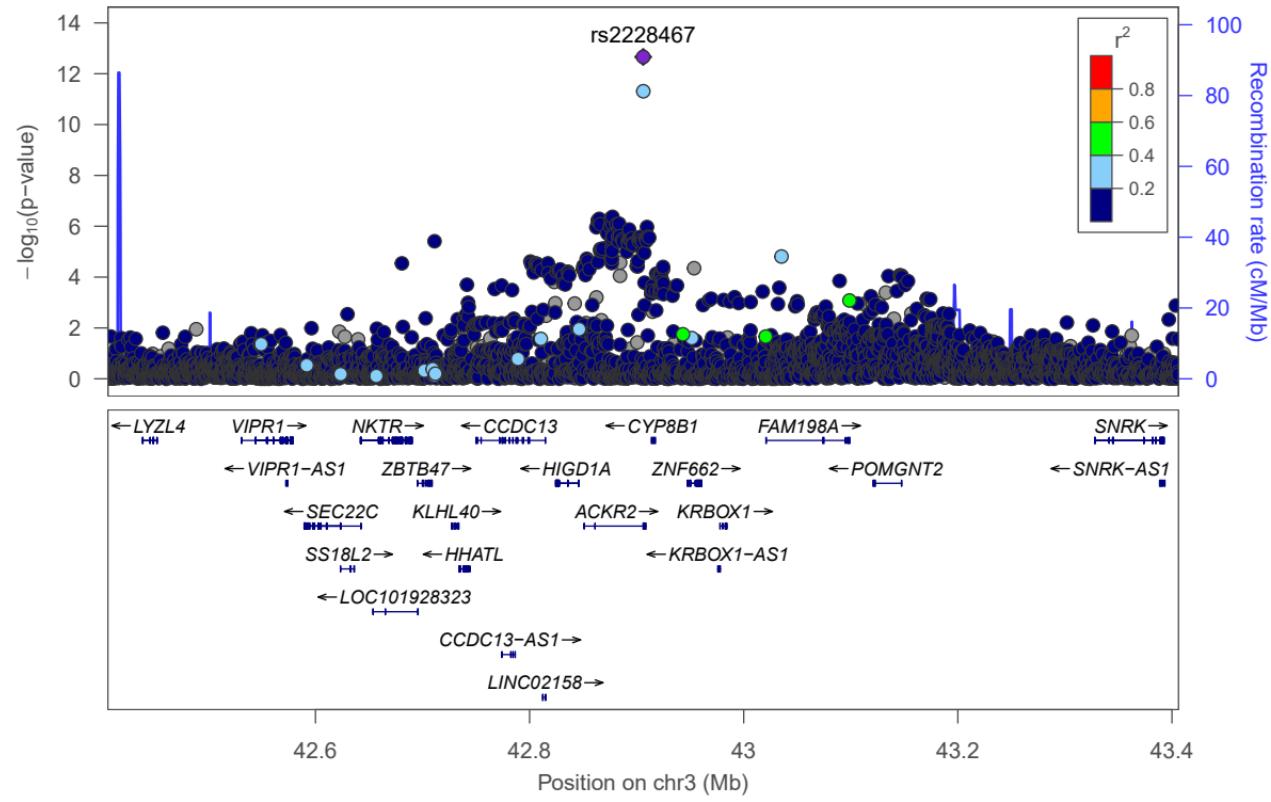


Study

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

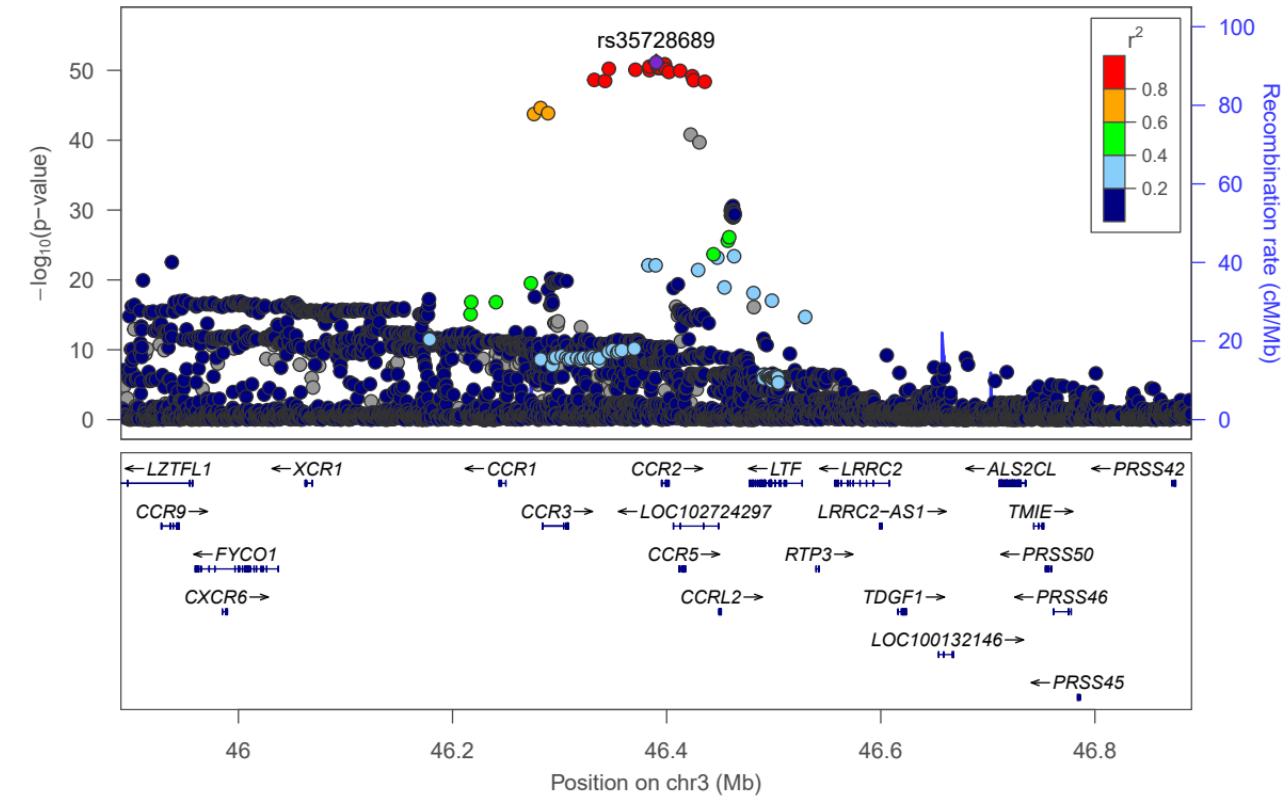
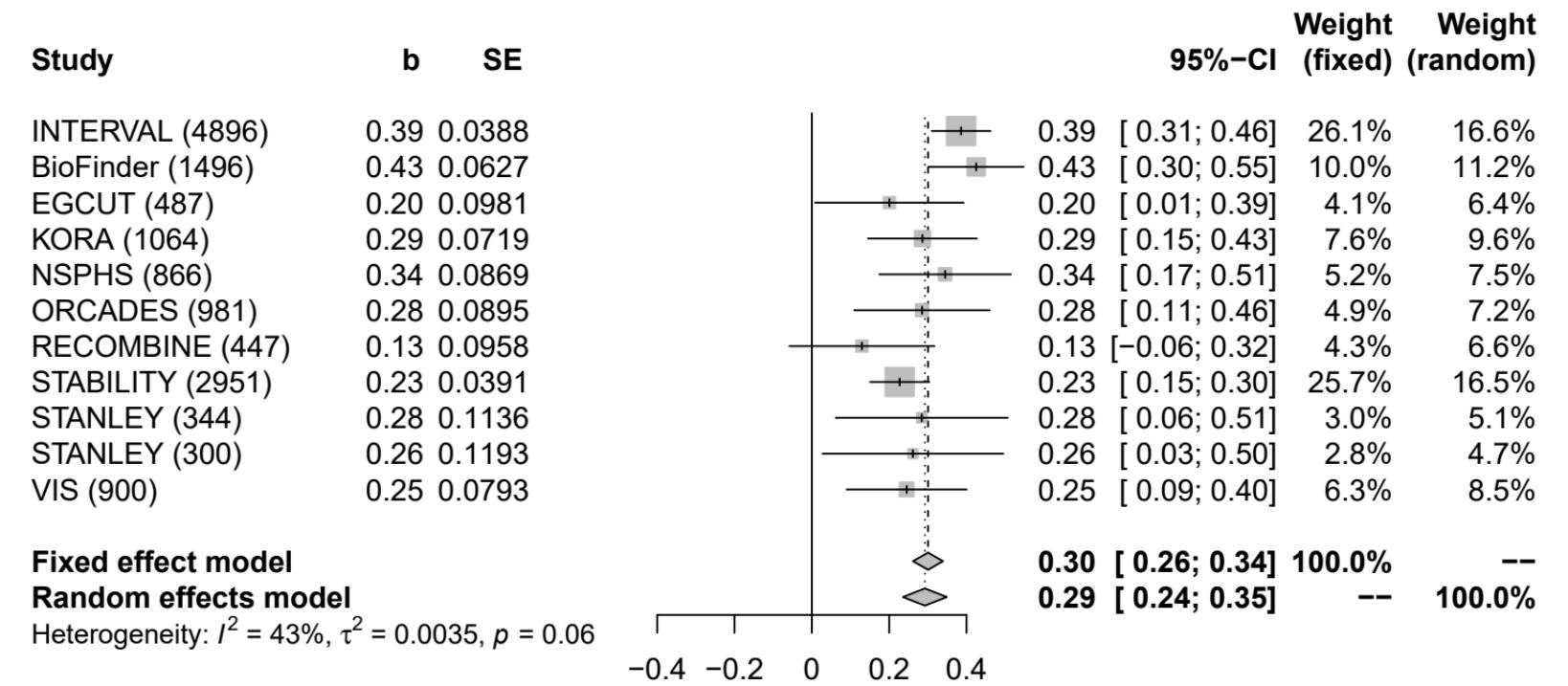
MCP-1 [chr3:42906116_C_T (rs2228467) (T/C) N=14732]**b****SE****Weight (fixed) Weight (random)**

	95%-CI	Weight (fixed)	Weight (random)
	-0.07 [-0.15; 0.02]	28.7%	22.1%
	-0.16 [-0.29; -0.03]	11.8%	12.3%
	-0.19 [-0.42; 0.05]	3.6%	4.6%
	-0.27 [-0.43; -0.11]	7.7%	8.8%
	-0.28 [-0.46; -0.10]	6.0%	7.1%
	-0.24 [-0.42; -0.06]	6.1%	7.3%
	-0.03 [-0.30; 0.24]	2.7%	3.5%
	-0.17 [-0.27; -0.07]	18.8%	17.1%
	-0.27 [-0.54; 0.01]	2.6%	3.4%
	-0.23 [-0.48; 0.01]	3.3%	4.2%
	-0.26 [-0.41; -0.10]	8.6%	9.6%
	-0.17 [-0.21; -0.12]	100.0%	--
	-0.18 [-0.23; -0.13]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 19\%$, $\tau^2 = 0.0015$, $p = 0.26$ **MCP-1 (CCL2)-rs2228467**

MCP-1 (CCL2)-rs35728689

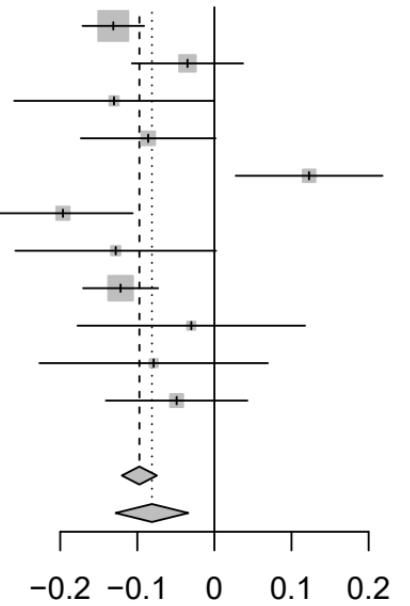
MCP-1 [chr3:46390228_A_G (rs35728689) (A/G) N=14732]



Study

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

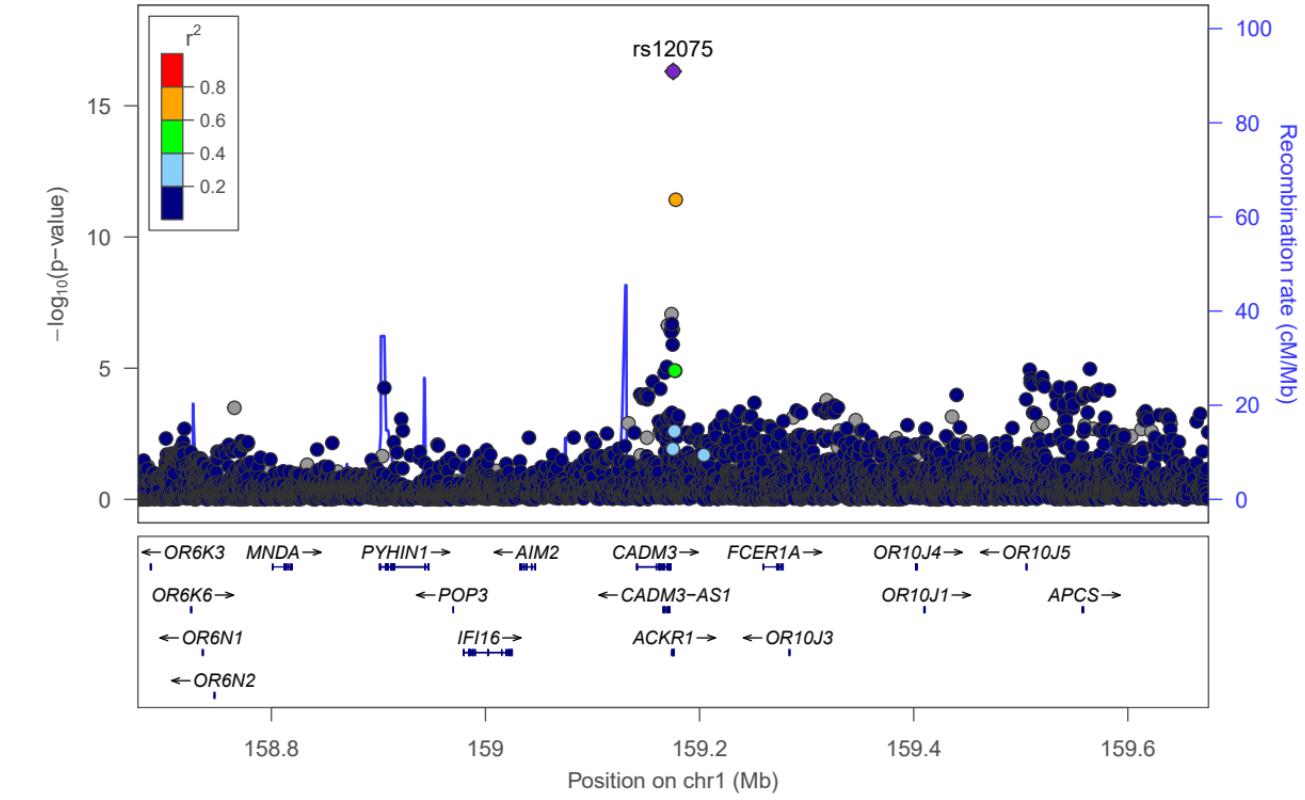
MCP-2 [chr1:159175354_A_G (rs12075) (A/G) N=14733]

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

-0.13	[-0.17; -0.09]	32.4%	13.2%
-0.03	[-0.11; 0.04]	9.9%	10.8%
-0.13	[-0.26; 0.00]	3.1%	6.9%
-0.09	[-0.17; 0.00]	6.8%	9.7%
0.12	[0.03; 0.22]	5.7%	9.1%
-0.20	[-0.29; -0.11]	6.3%	9.5%
-0.13	[-0.26; 0.00]	3.1%	6.9%
-0.12	[-0.17; -0.07]	21.9%	12.6%
-0.03	[-0.18; 0.12]	2.4%	6.0%
-0.08	[-0.23; 0.07]	2.4%	6.0%
-0.05	[-0.14; 0.04]	6.1%	9.4%

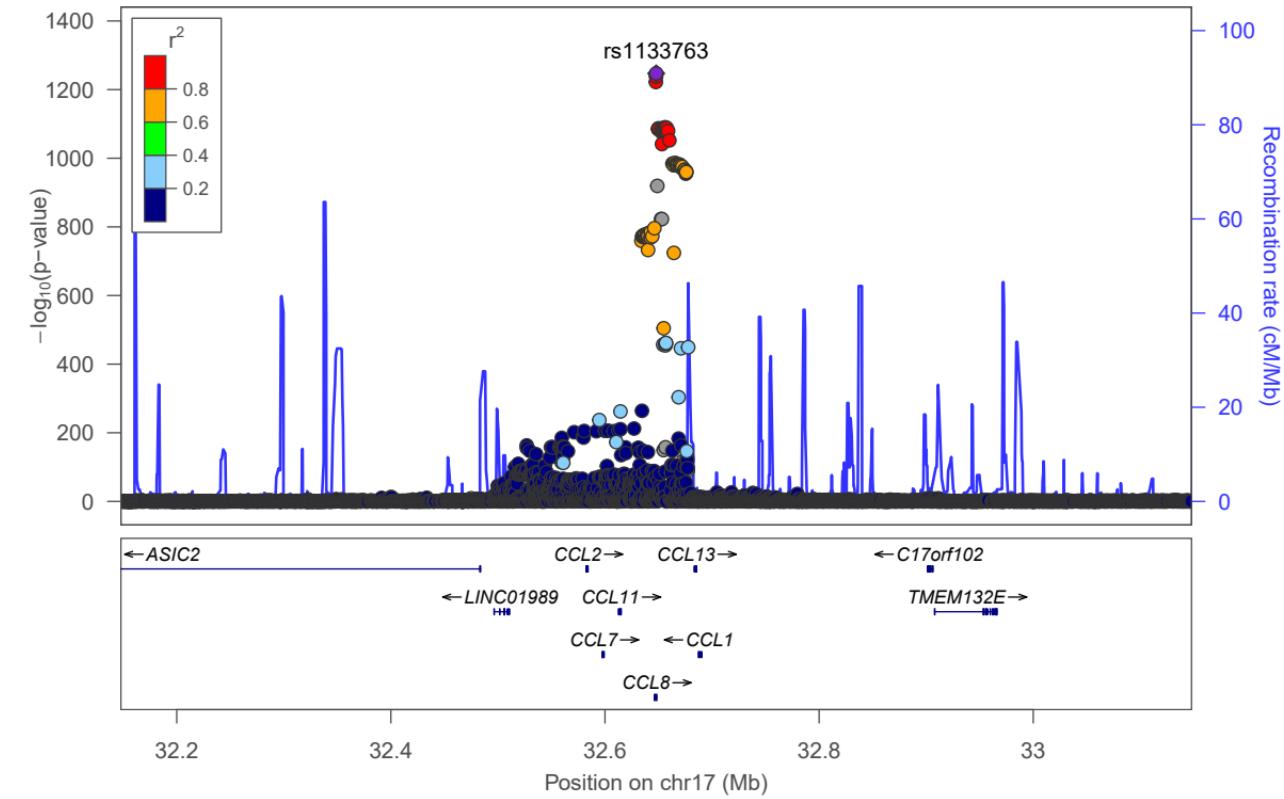
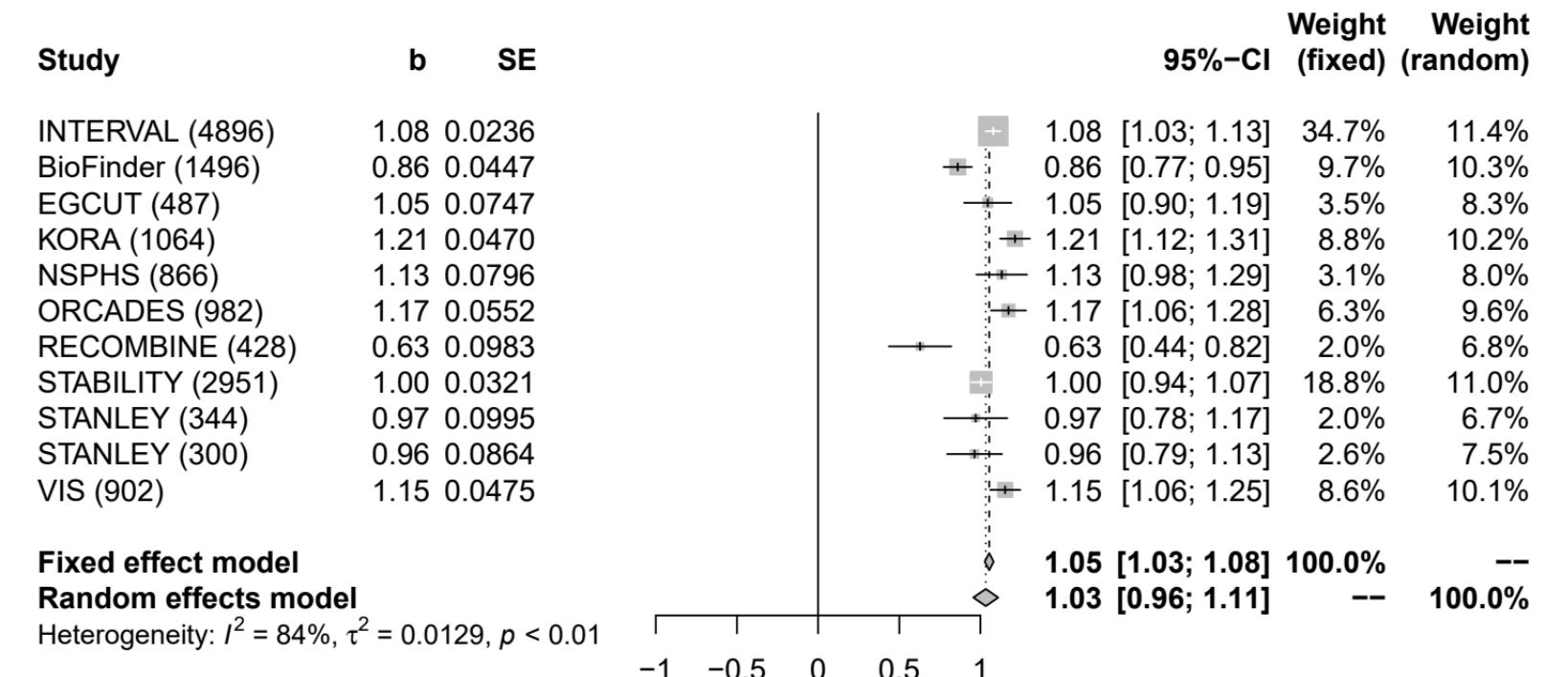
-0.10 [-0.12; -0.07] 100.0%**-0.08 [-0.13; -0.03] -- 100.0%****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 71\%$, $\tau^2 = 0.0040$, $p < 0.01$

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]

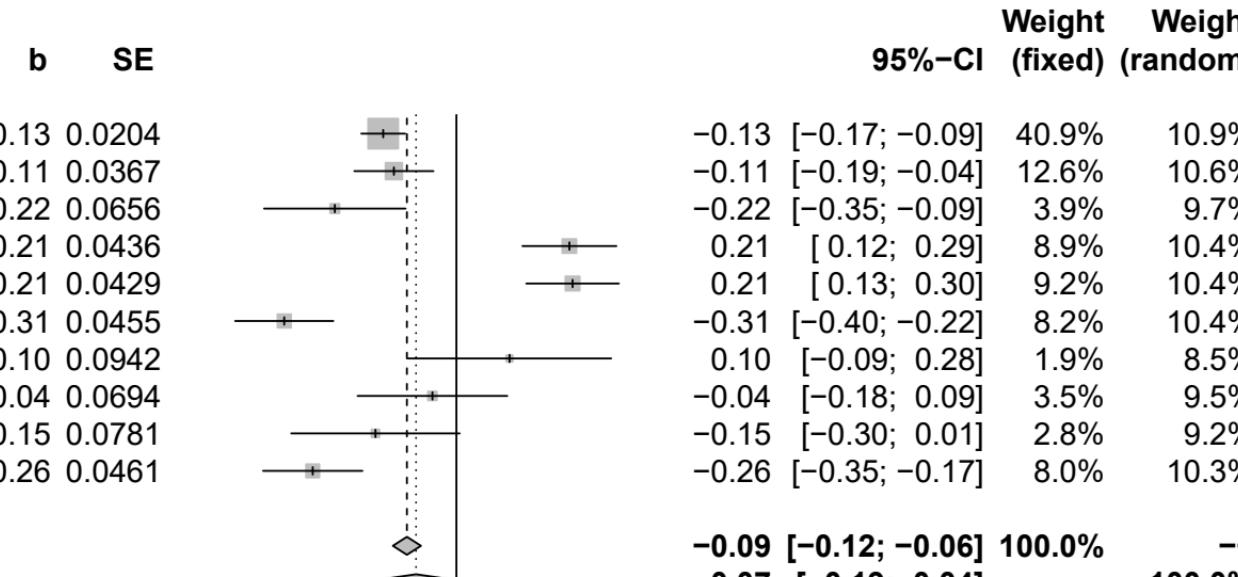
Study

Study	b	SE
INTERVAL (4896)	-0.13	0.0204
BioFinder (1496)	-0.11	0.0367
EGCUT (487)	-0.22	0.0656
KORA (1064)	0.21	0.0436
NSPHS (866)	0.21	0.0429
ORCADES (982)	-0.31	0.0455
RECOMBINE (445)	0.10	0.0942
STANLEY (344)	-0.04	0.0694
STANLEY (300)	-0.15	0.0781
VIS (900)	-0.26	0.0461

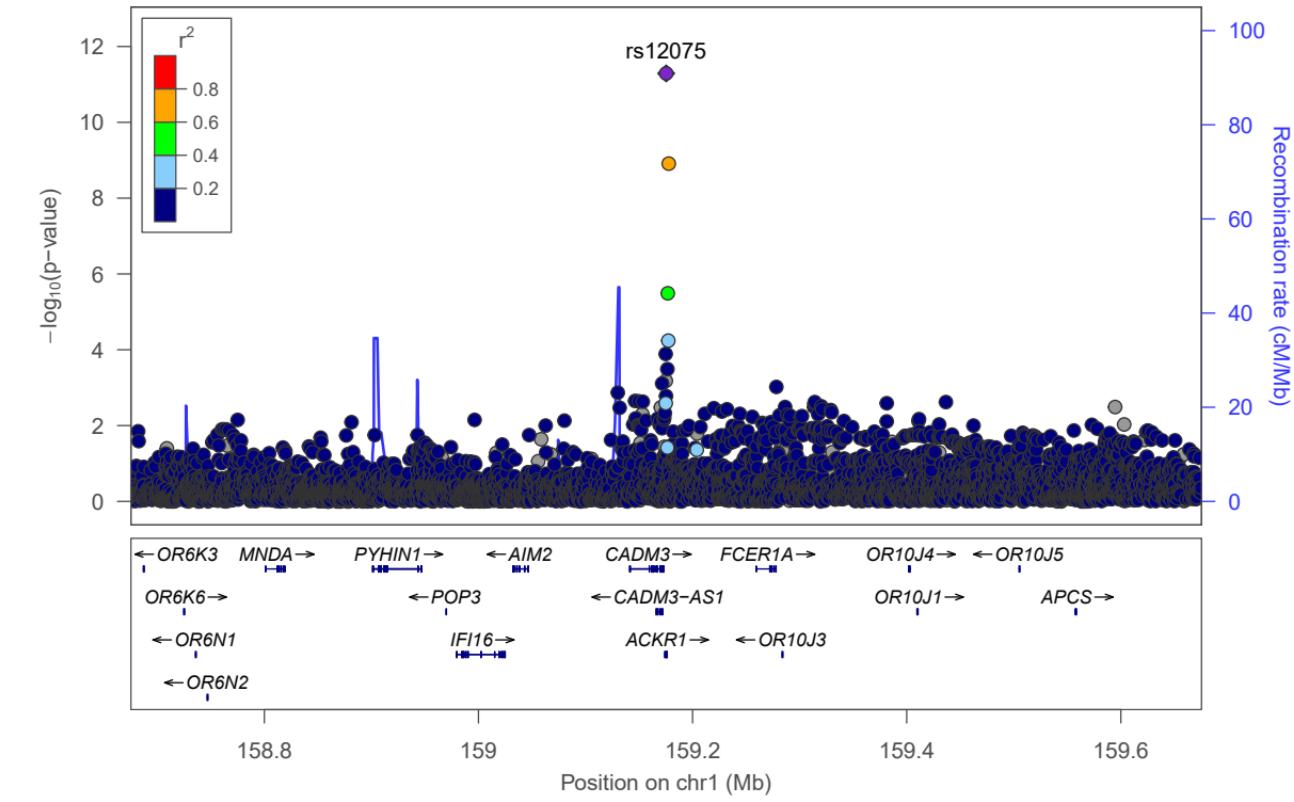
Fixed effect model

Random effects model

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



MCP-3 (CCL7)-rs12075



MCP-3 (CCL7)-rs7213460

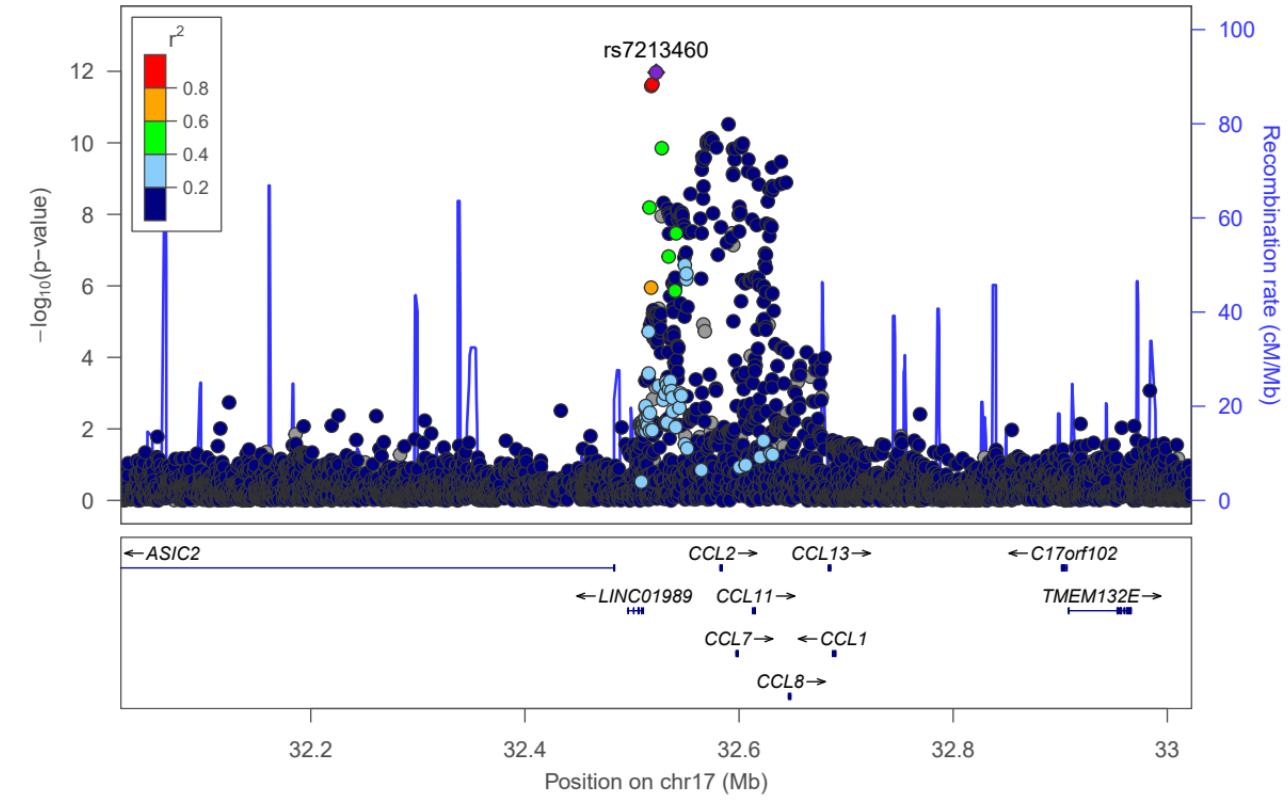
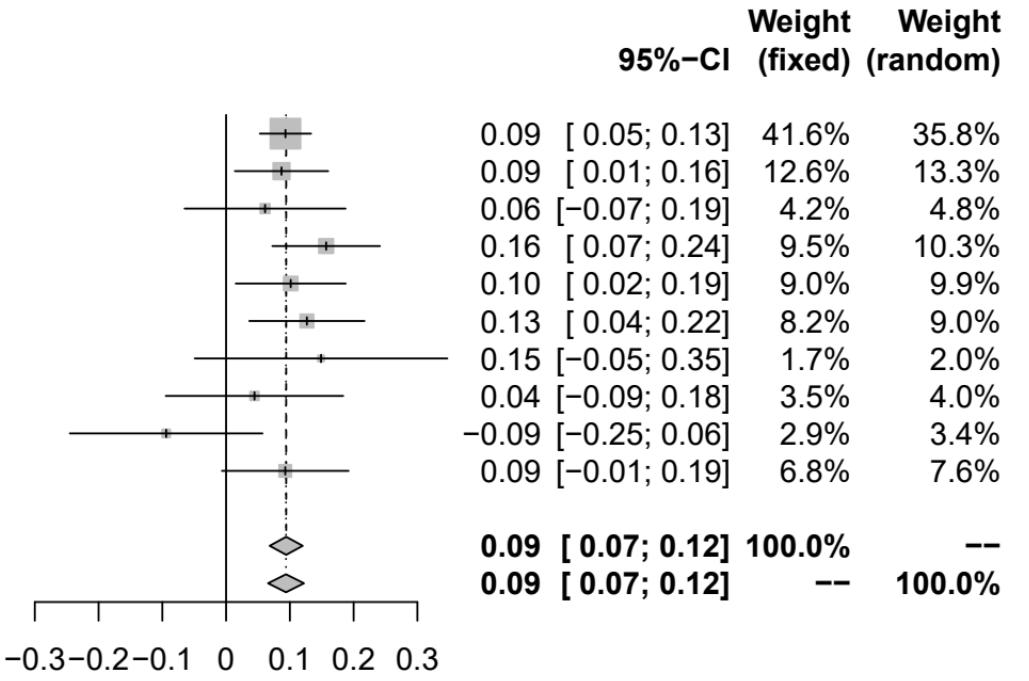
MCP-3 [chr17:32522613_A_G (rs7213460) (A/G) N=11780]

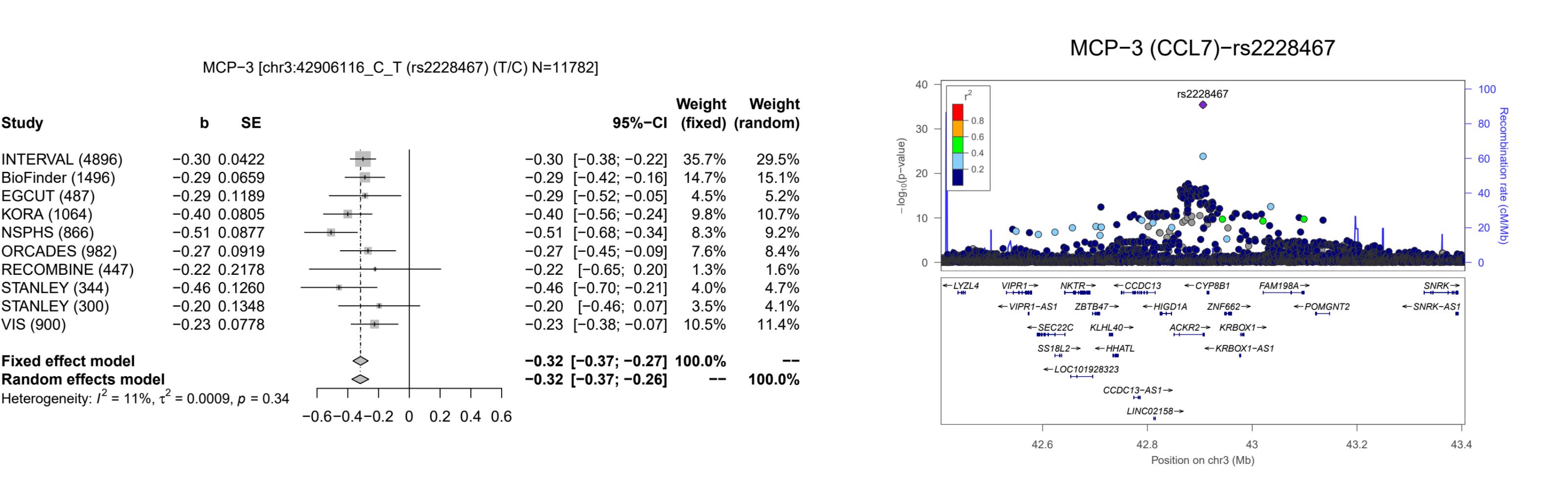
Study

	b	SE
INTERVAL (4896)	0.09	0.0205
BioFinder (1496)	0.09	0.0373
EGCUT (487)	0.06	0.0644
KORA (1064)	0.16	0.0430
NSPHS (866)	0.10	0.0440
ORCADES (982)	0.13	0.0461
RECOMBINE (445)	0.15	0.1011
STANLEY (344)	0.04	0.0710
STANLEY (300)	-0.09	0.0771
VIS (900)	0.09	0.0507

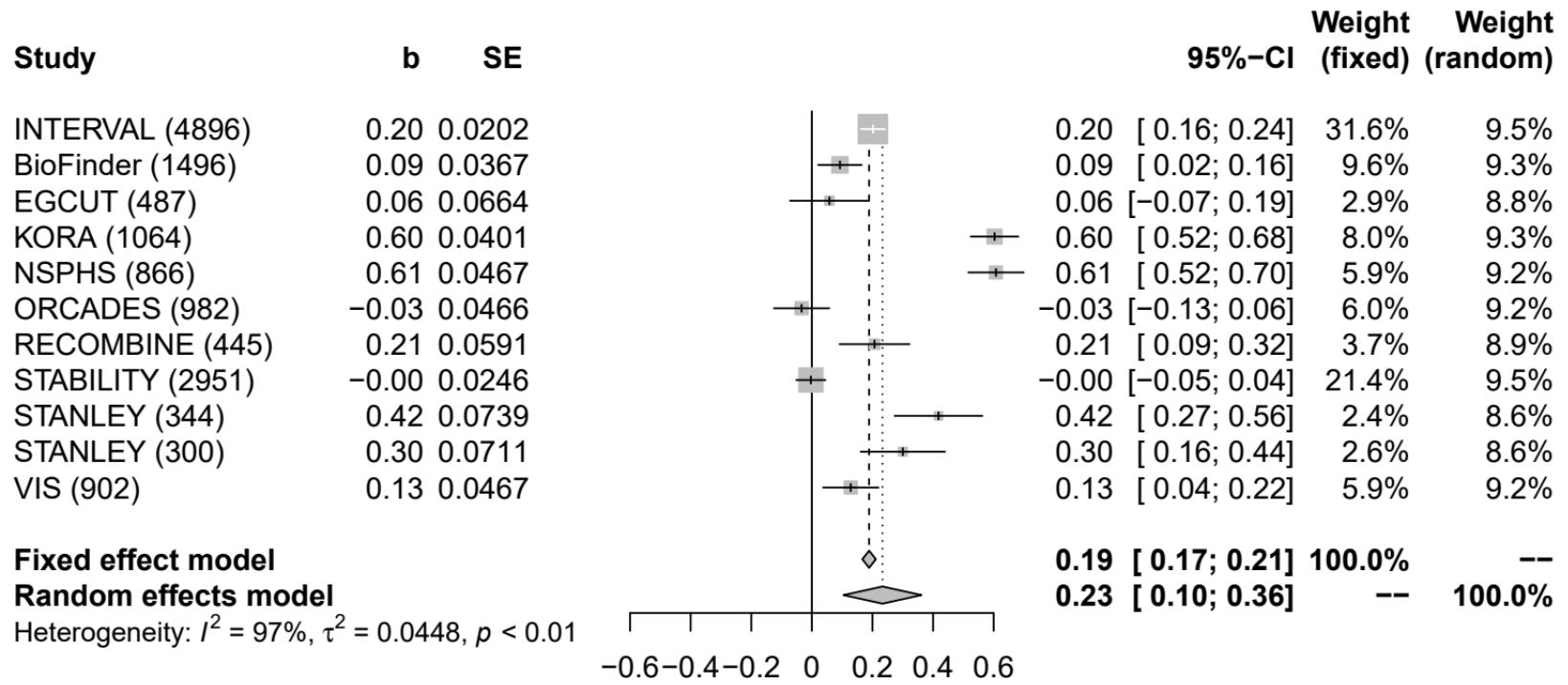
Fixed effect model Random effects model

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

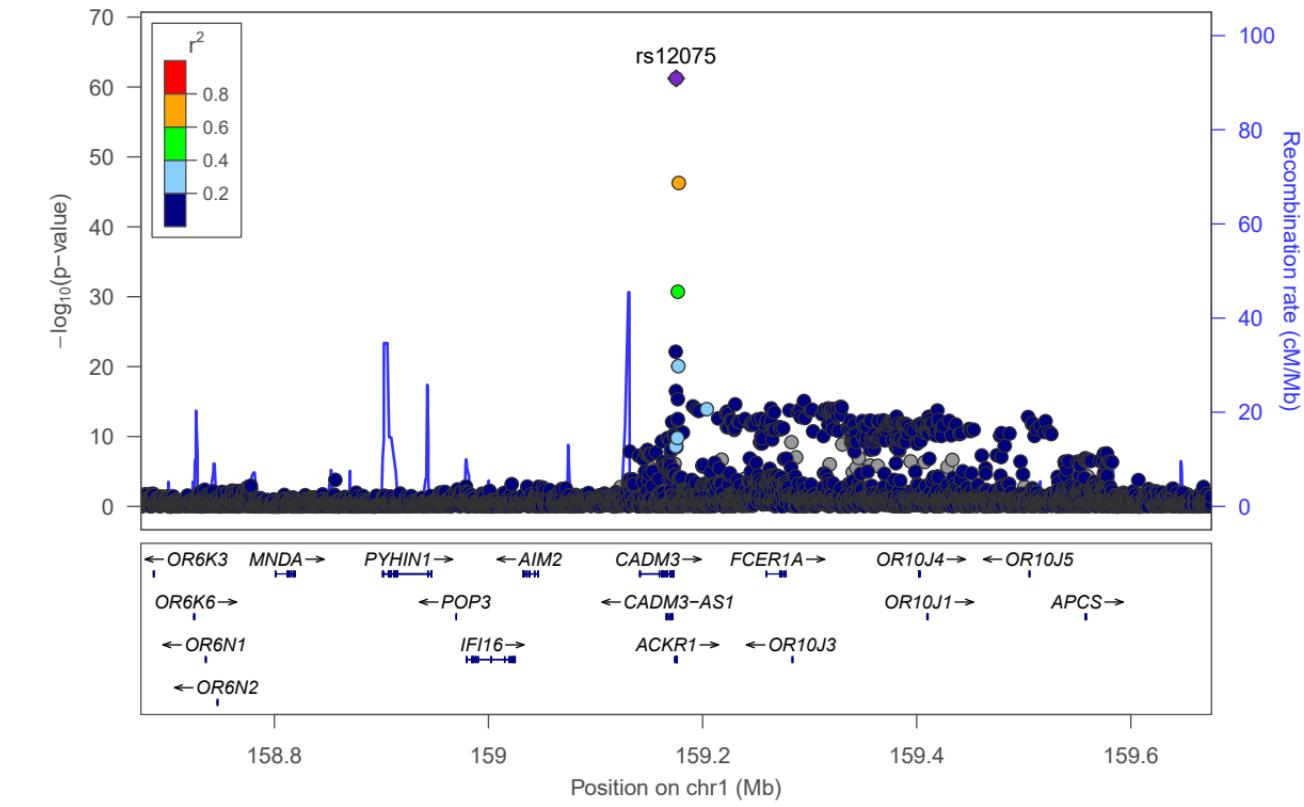




MCP-4 [chr1:159175354_A_G (rs12075) (A/G) N=14733]



MCP-4 (CCL13)-rs12075



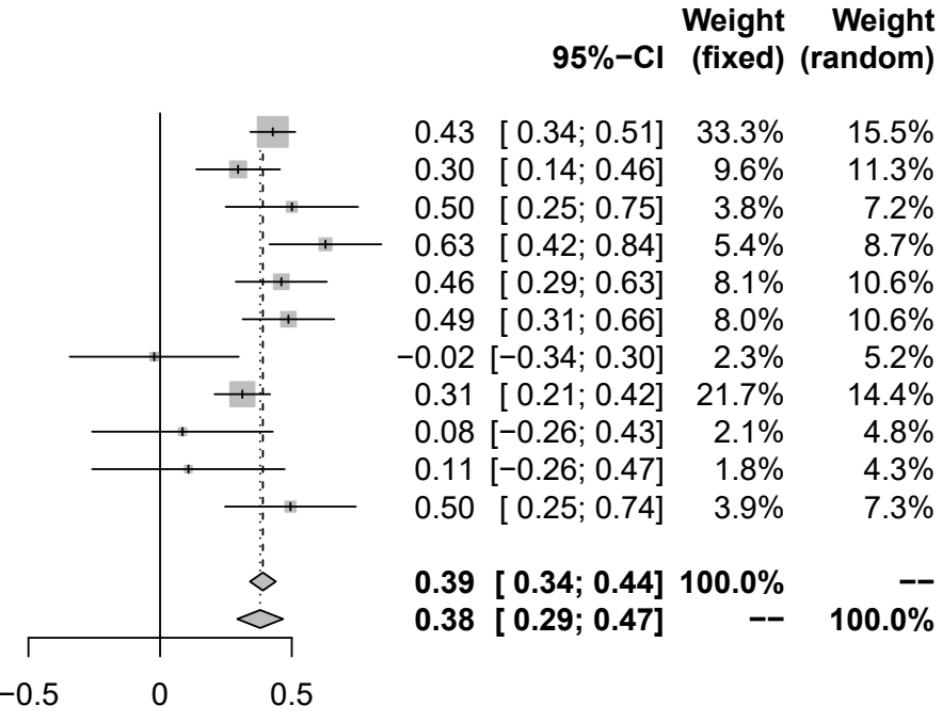
Study

INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (982)
RECOMBINE (440)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (902)

MCP-4 [chr17:32683289_A_G (rs3136676) (A/G) N=14728]

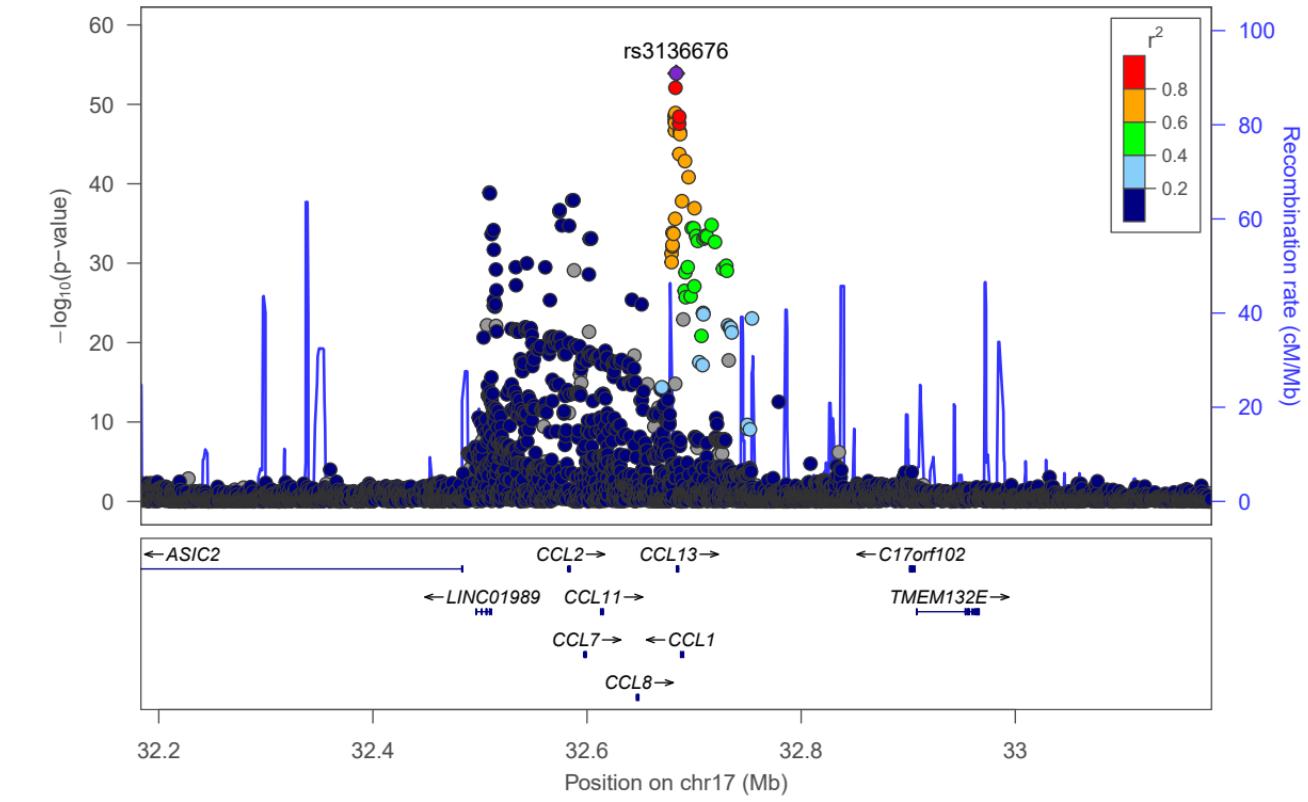
b SE

0.43 0.0435
0.30 0.0811
0.50 0.1283
0.63 0.1083
0.46 0.0881
0.49 0.0886
-0.02 0.1637
0.31 0.0538
0.08 0.1751
0.11 0.1865
0.50 0.1267



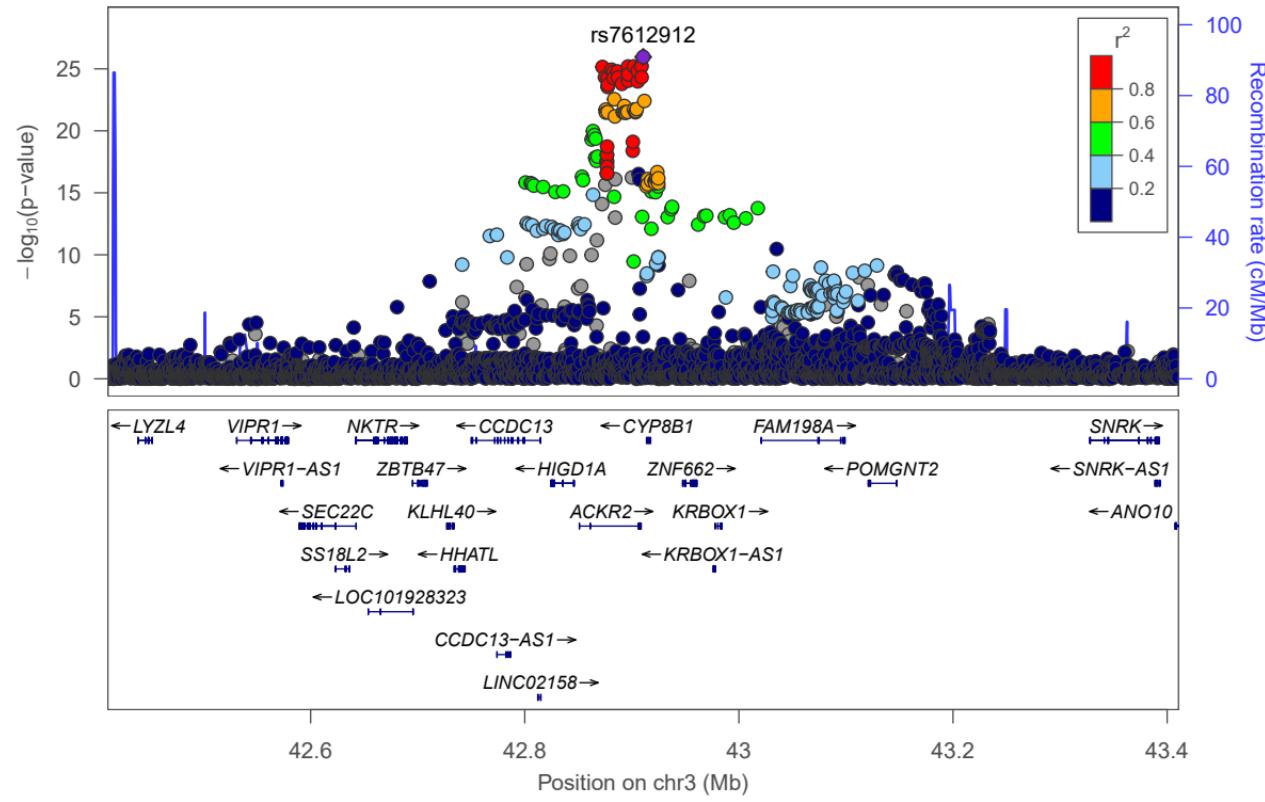
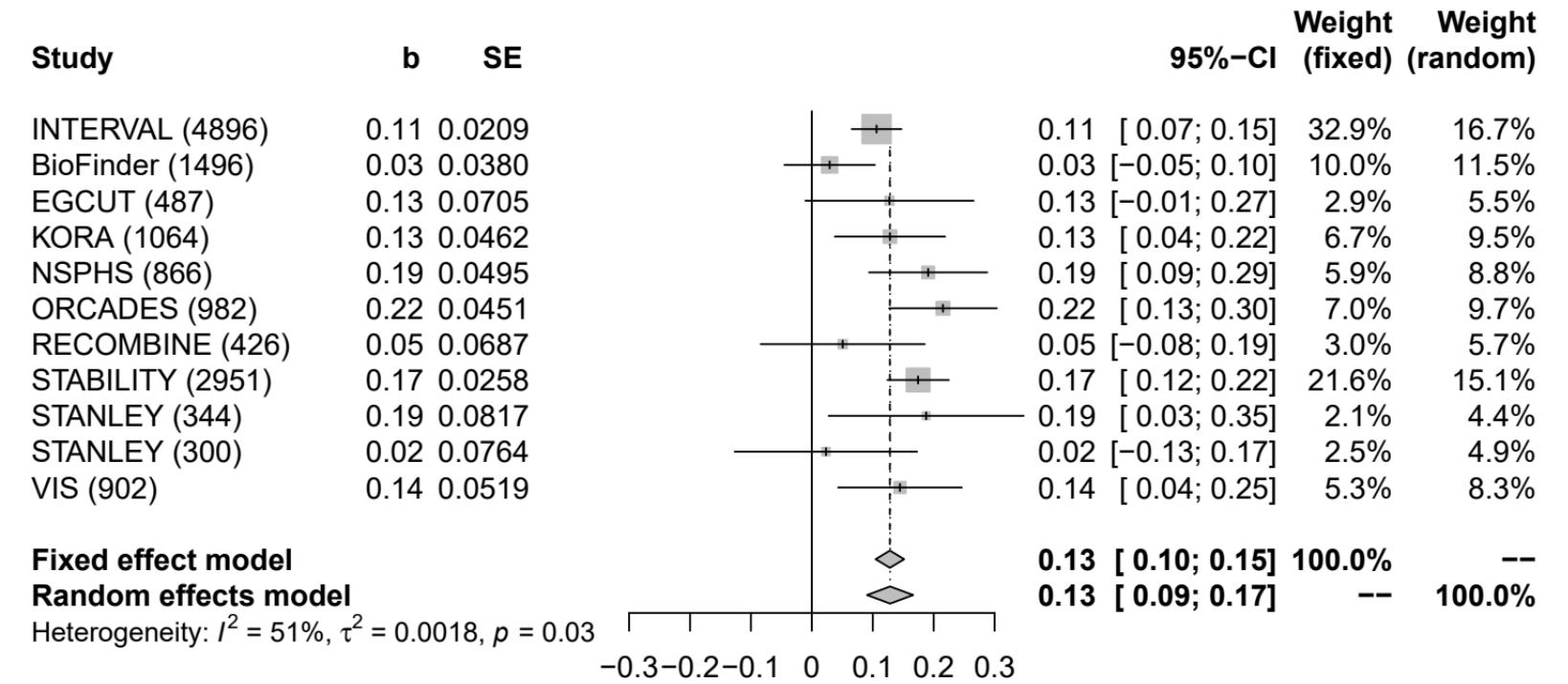
Heterogeneity: $I^2 = 58\%$, $\tau^2 = 0.0108$, $p < 0.01$

MCP-4 (CCL13)-rs3136676



MCP-4 (CCL13)-rs7612912

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



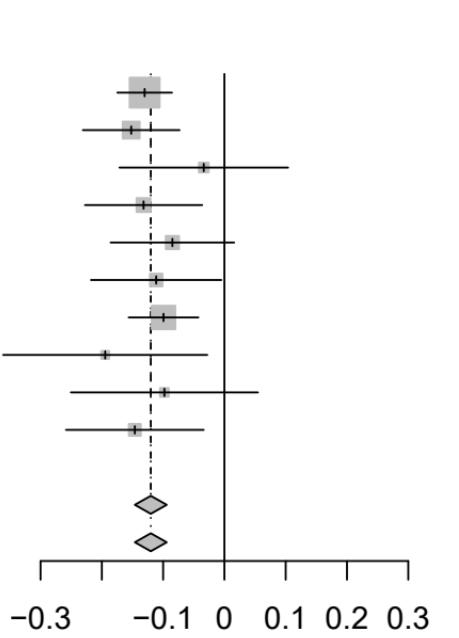
MCP-4 [chr8:116657911_G_T (rs2721961) (T/G) N=14288]

Study

Study	b	SE
INTERVAL (4896)	-0.13	0.0228
BioFinder (1496)	-0.15	0.0403
EGCUT (487)	-0.03	0.0702
KORA (1064)	-0.13	0.0488
NSPHS (866)	-0.08	0.0515
ORCADES (982)	-0.11	0.0543
STABILITY (2951)	-0.10	0.0291
STANLEY (344)	-0.19	0.0850
STANLEY (300)	-0.10	0.0779
VIS (902)	-0.15	0.0573

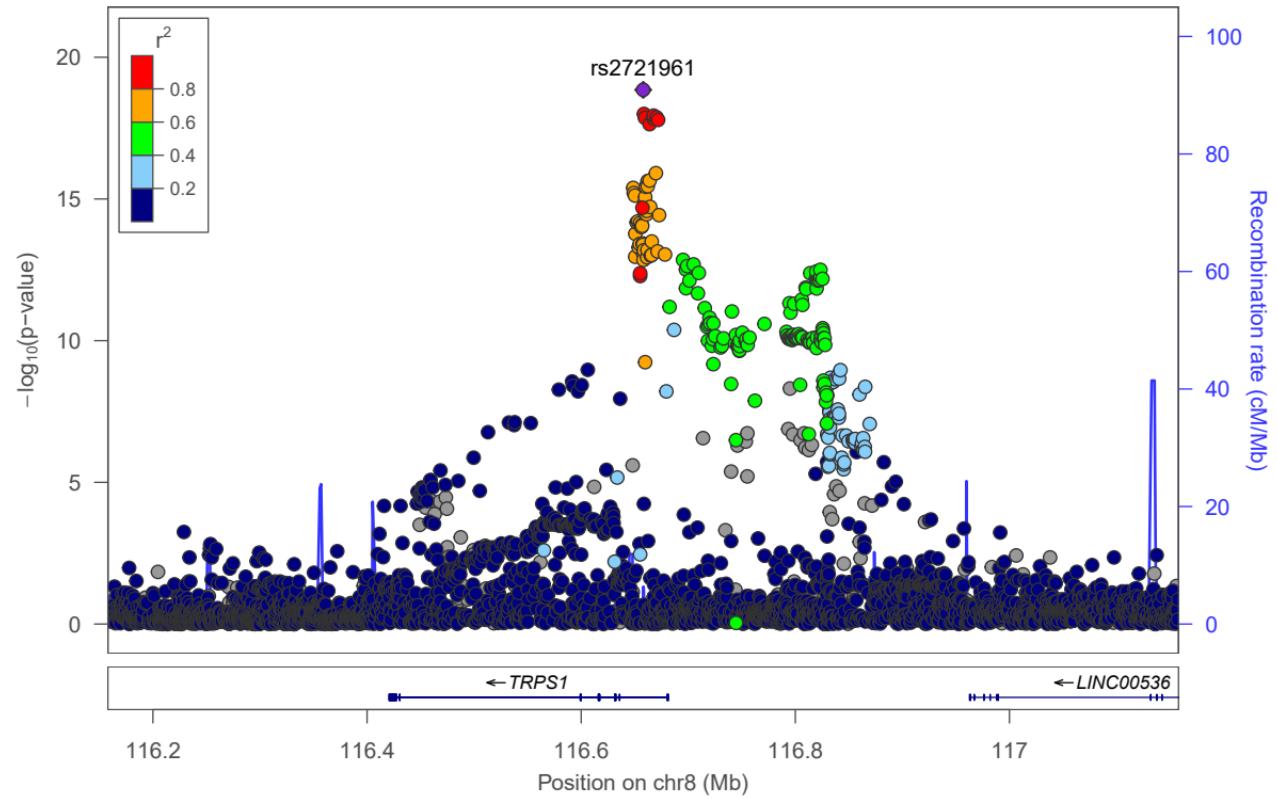
Fixed effect model
Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.88$



		95%-CI	Weight (fixed)	Weight (random)
		-0.13 [-0.17; -0.09]	34.0%	34.0%
		-0.15 [-0.23; -0.07]	10.9%	10.9%
		-0.03 [-0.17; 0.10]	3.6%	3.6%
		-0.13 [-0.23; -0.04]	7.4%	7.4%
		-0.08 [-0.19; 0.02]	6.6%	6.6%
		-0.11 [-0.22; 0.00]	6.0%	6.0%
		-0.10 [-0.16; -0.04]	20.9%	20.9%
		-0.19 [-0.36; -0.03]	2.4%	2.4%
		-0.10 [-0.25; 0.05]	2.9%	2.9%
		-0.15 [-0.26; -0.03]	5.4%	5.4%
		-0.12 [-0.15; -0.09]	100.0%	--
		-0.12 [-0.15; -0.09]	--	100.0%

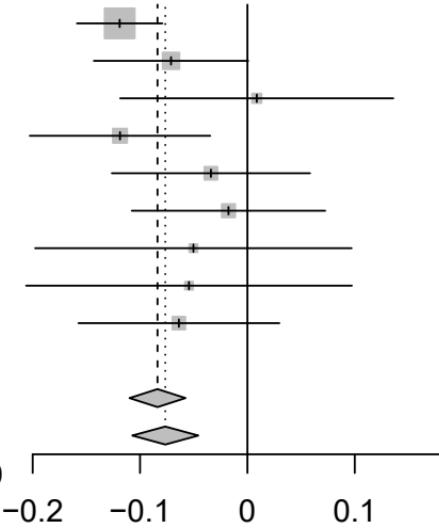
MCP-4 (CCL13)-rs2721961



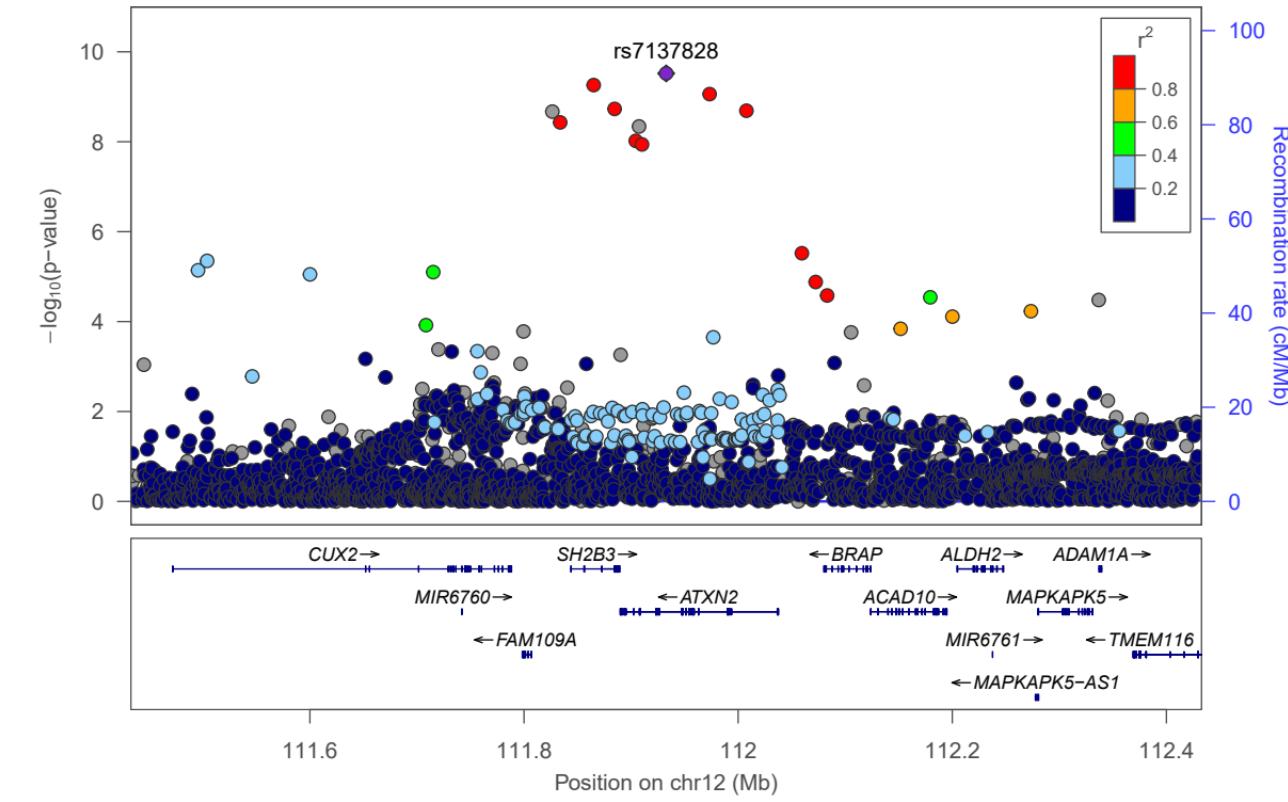
Study

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

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

b**SE**Heterogeneity: $I^2 = 16\%$, $\tau^2 = 0.0004$, $p = 0.30$ **95%-CI****Weight (fixed)****Weight (random)**

MIP-1 (alpha)-rs7137828



MIP-1 alpha [chr17:34415720_C_T (rs8951) (T/C) N=14295]

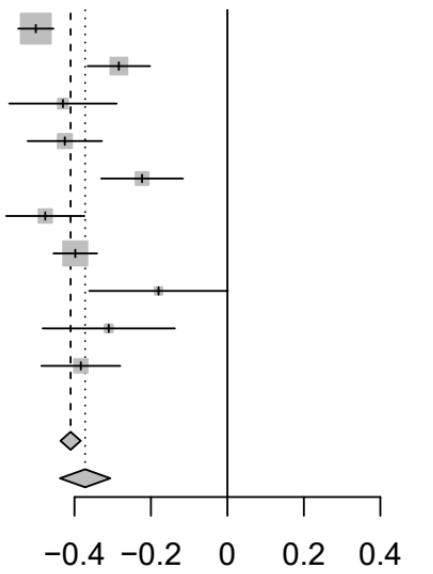
Study

Study	b	SE
INTERVAL (4896)	-0.50	0.0235
BioFinder (1496)	-0.28	0.0416
EGCUT (487)	-0.43	0.0716
KORA (1064)	-0.43	0.0495
NSPHS (874)	-0.22	0.0545
ORCADES (982)	-0.48	0.0522
STABILITY (2951)	-0.40	0.0291
STANLEY (344)	-0.18	0.0925
STANLEY (300)	-0.31	0.0882
VIS (901)	-0.38	0.0527

Fixed effect model

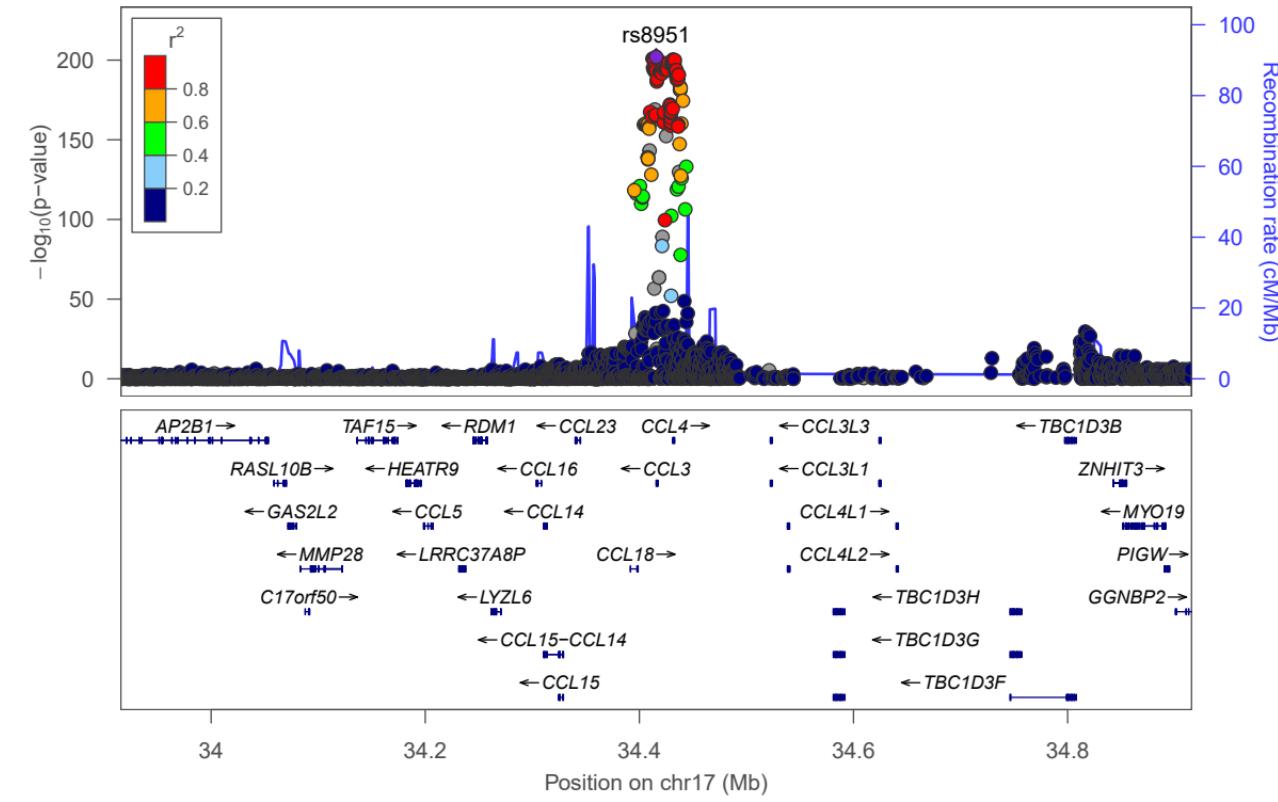
Random effects model

Heterogeneity: $I^2 = 80\%$, $\tau^2 = 0.0082$, $p < 0.01$



		Weight (fixed)	Weight (random)
	-0.50 [-0.55; -0.46]	33.1%	12.9%
	-0.28 [-0.37; -0.20]	10.5%	11.3%
	-0.43 [-0.57; -0.29]	3.6%	8.4%
	-0.43 [-0.52; -0.33]	7.4%	10.6%
	-0.22 [-0.33; -0.12]	6.1%	10.1%
	-0.48 [-0.58; -0.37]	6.7%	10.3%
	-0.40 [-0.45; -0.34]	21.5%	12.4%
	-0.18 [-0.36; 0.00]	2.1%	6.7%
	-0.31 [-0.48; -0.14]	2.3%	7.0%
	-0.38 [-0.49; -0.28]	6.6%	10.3%
	-0.41 [-0.44; -0.38]	100.0%	--
	-0.37 [-0.44; -0.31]	--	100.0%

MIP-1 (alpha)-rs8951



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

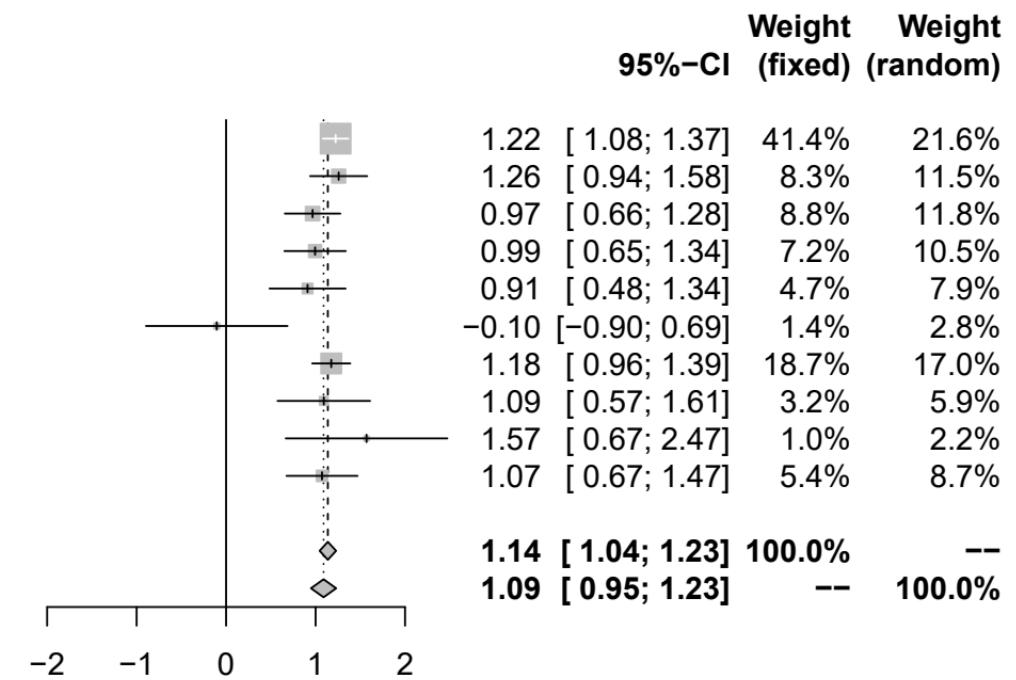
Study

	b	SE
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

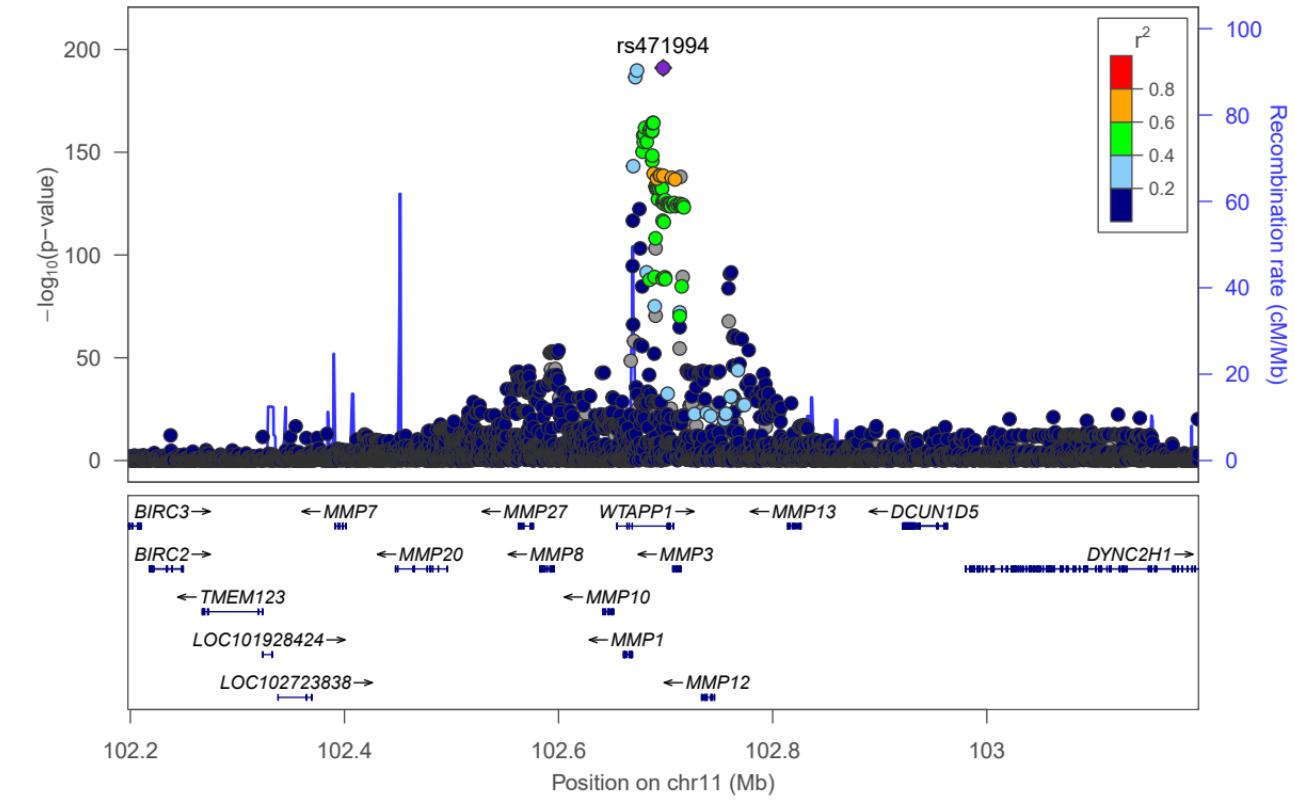
Fixed effect model

Random effects model

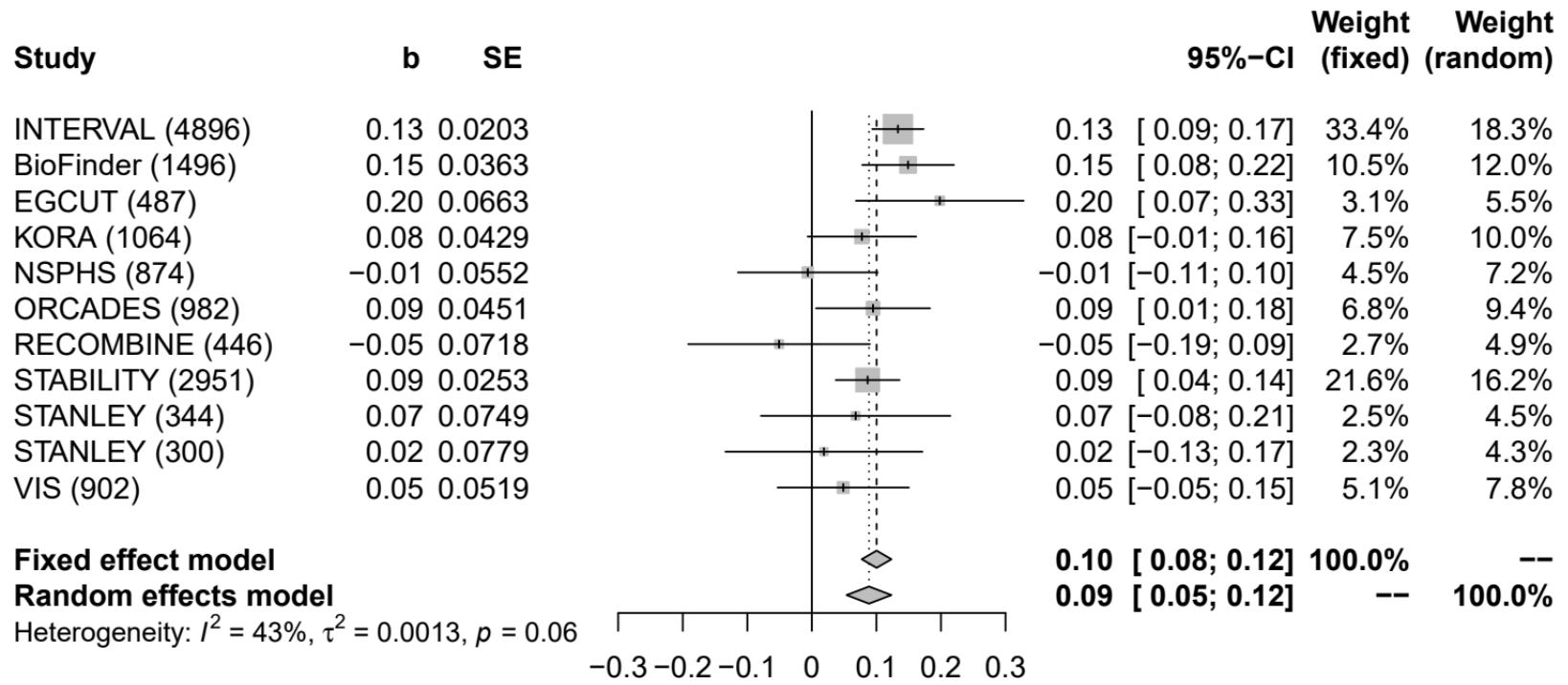
Heterogeneity: $I^2 = 42\%$, $\tau^2 = 0.0186$, $p = 0.08$



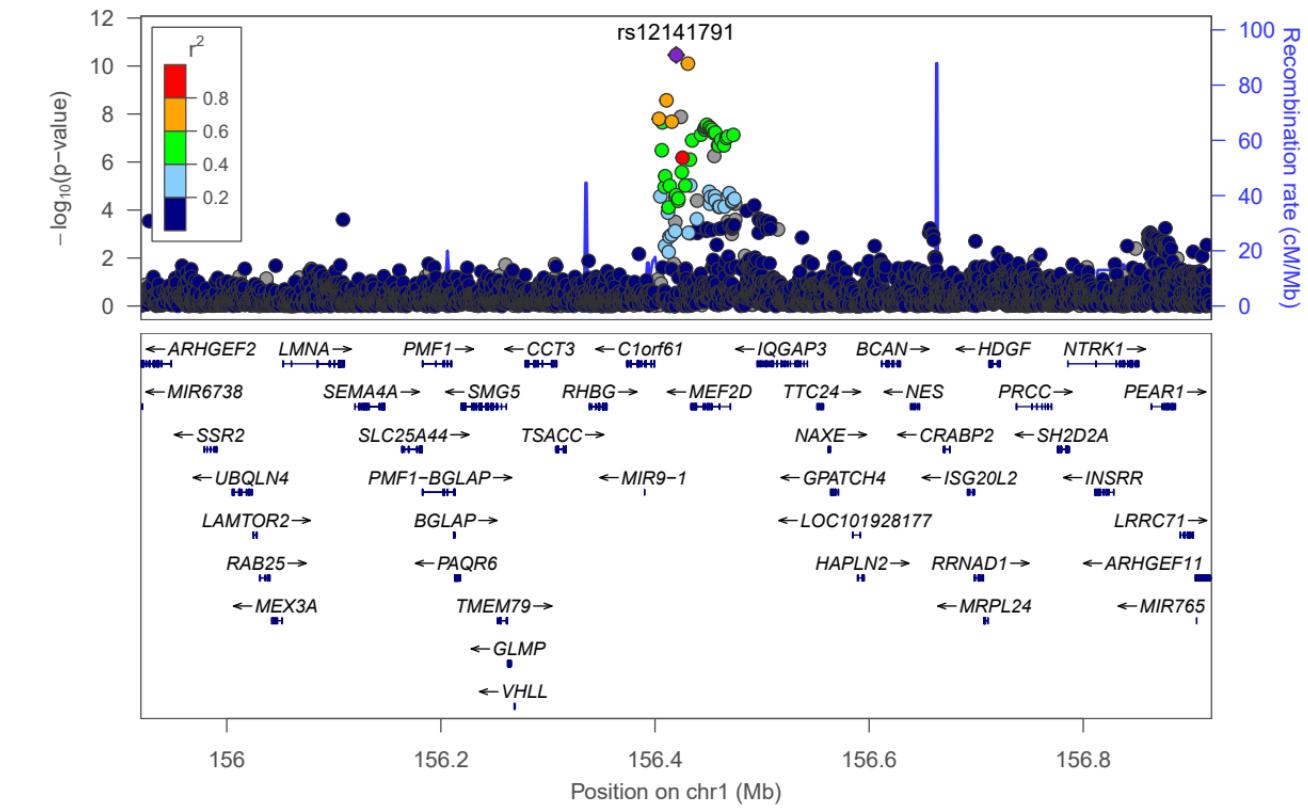
MMP-1 (MMP1)-rs471994



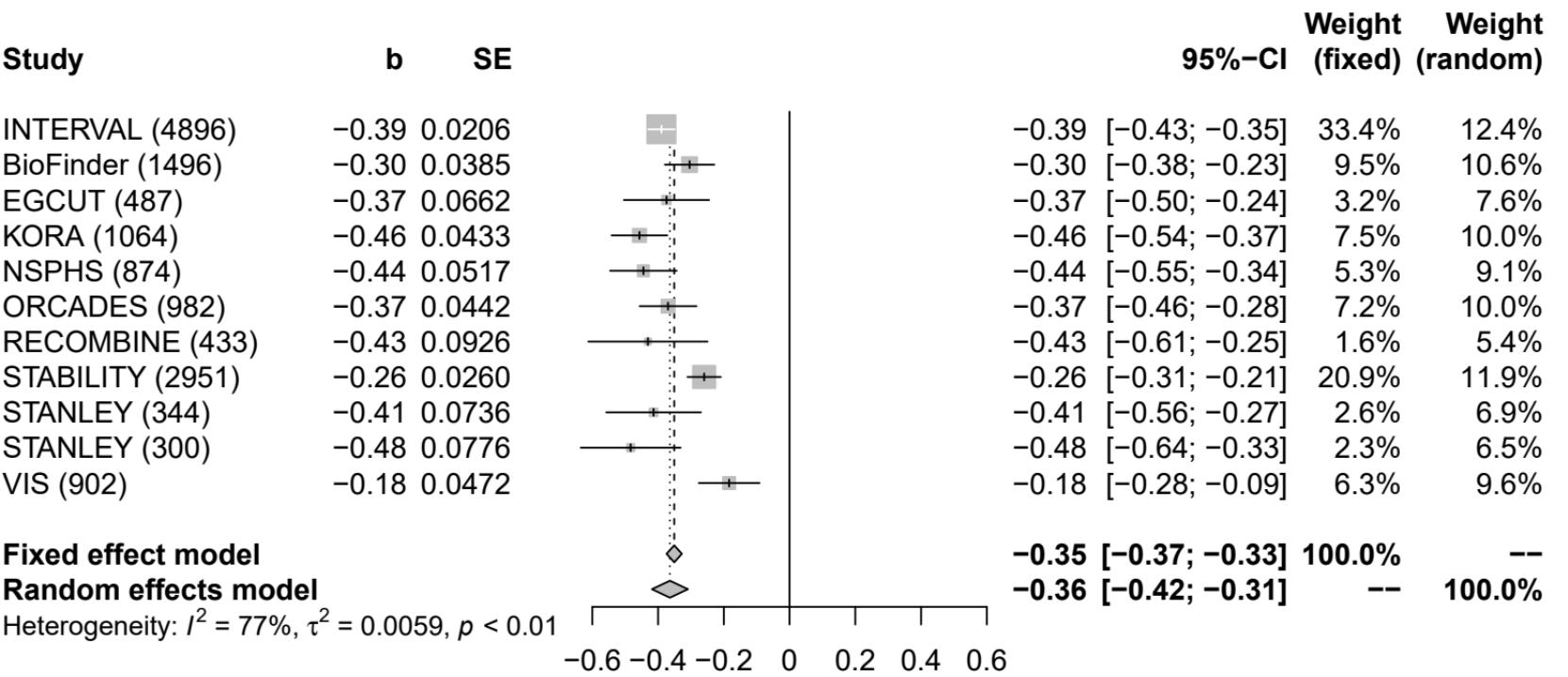
MMP-10 [chr19:49206145_C_G (rs516316) (C/G) N=14742]



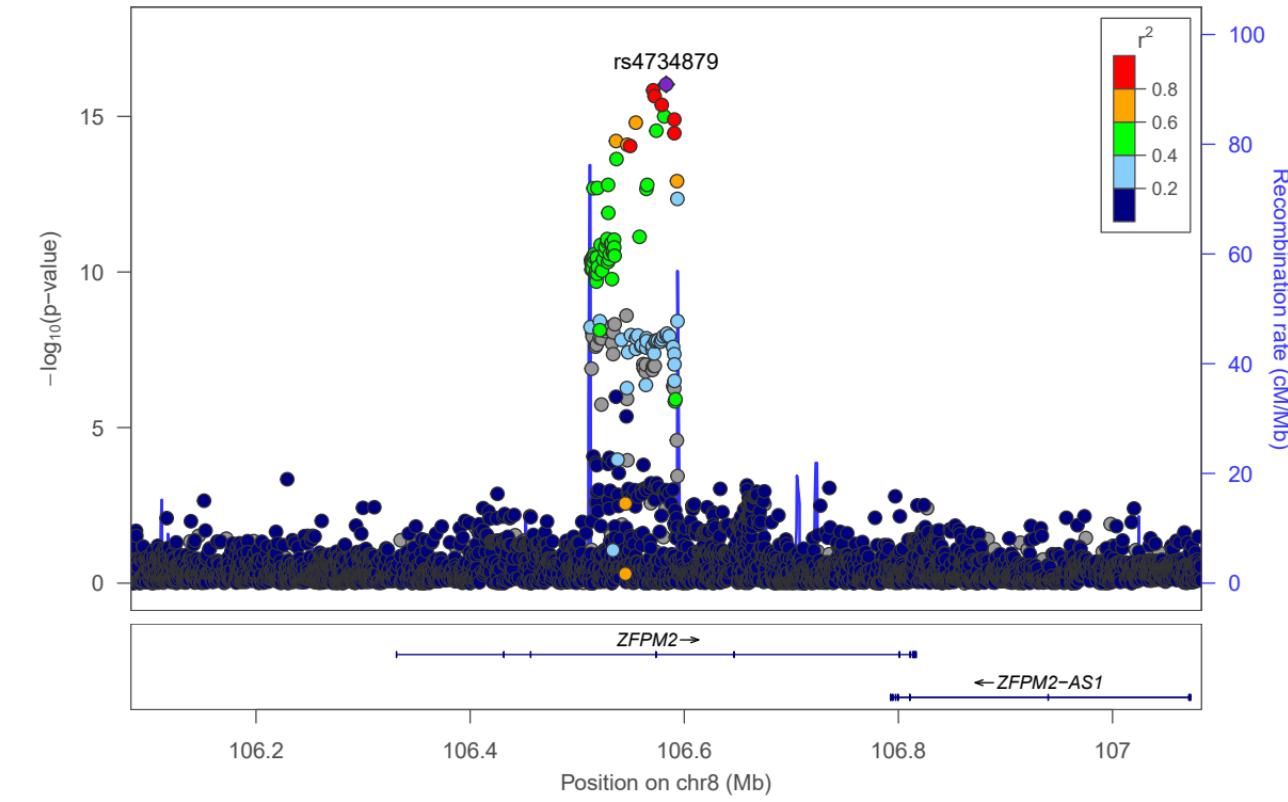
MMP-1 (MMP1)-rs12141791



MMP-1 [chr11:102697731_A_G (rs471994) (A/G) N=14729]



MMP-1 (MMP1)-rs4734879



MMP-10 (MMP10)-rs17860955

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

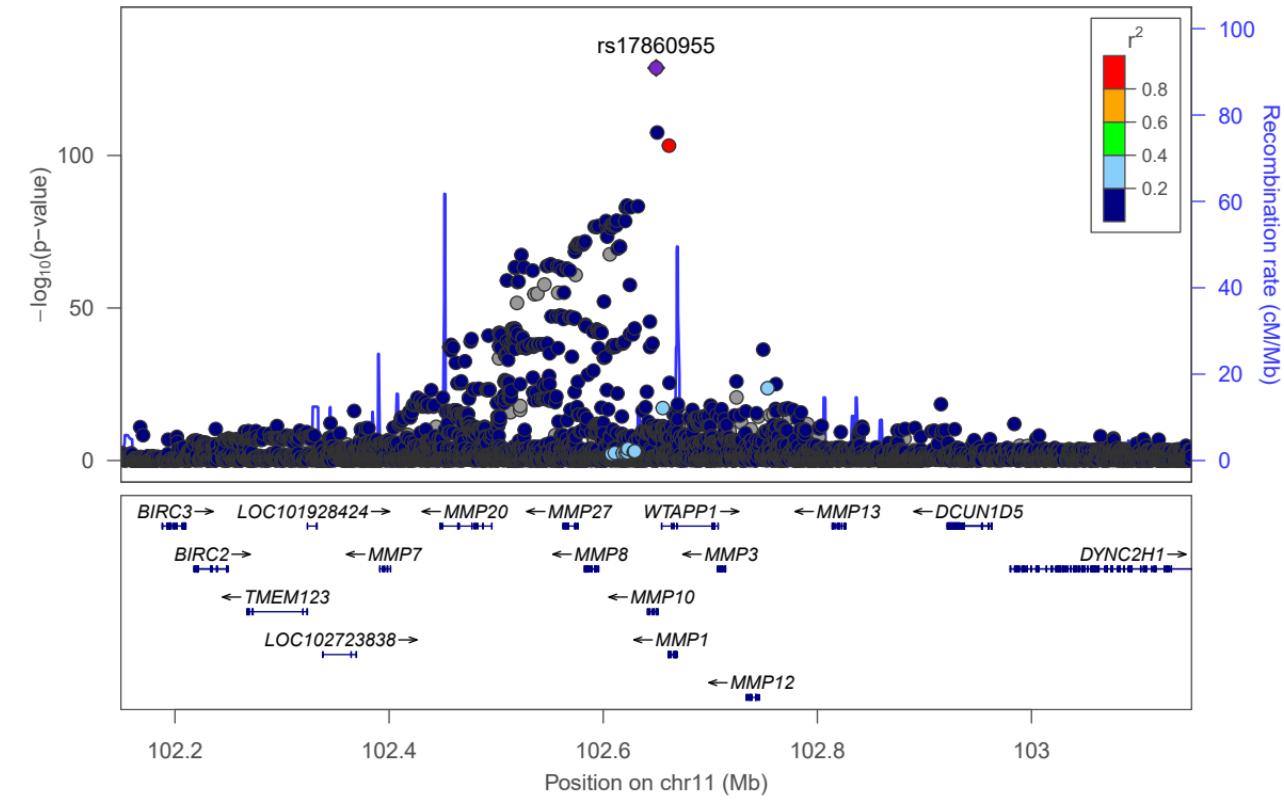
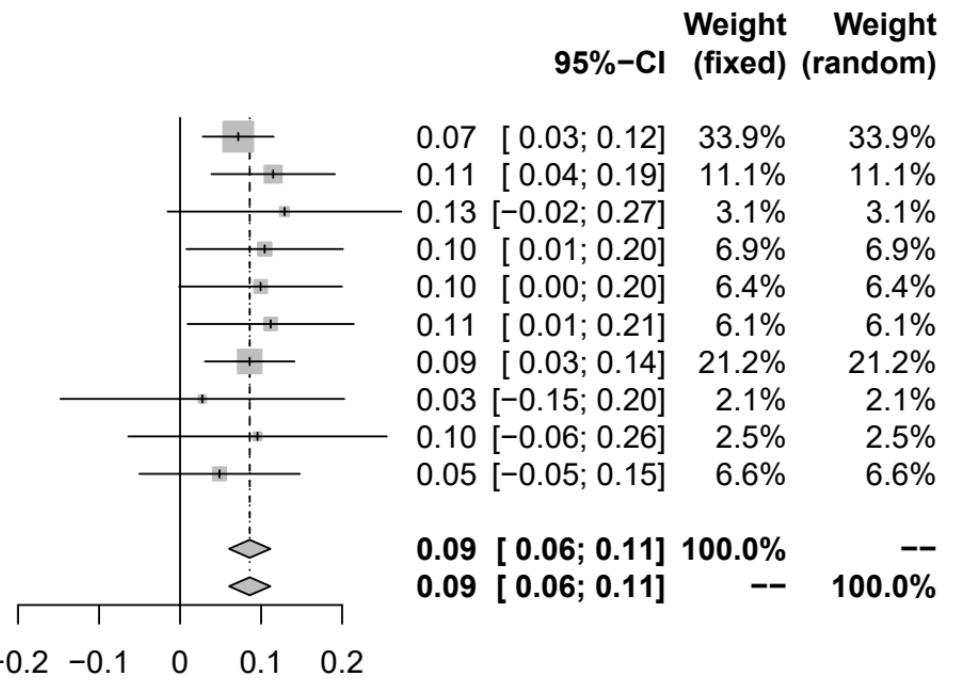
Study

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



Study

INTERVAL (4896)

BioFinder (1496)

EGCUT (487)

KORA (1064)

NSPHS (874)

ORCADES (982)

STABILITY (2951)

STANLEY (344)

STANLEY (300)

VIS (902)

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

b **SE**

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

Weight
95%-CI

35.4% [0.15; 0.24]

10.0% [-0.06; 0.11]

3.4% [-0.16; 0.13]

7.4% [-0.05; 0.15]

4.5% [0.00; 0.25]

6.9% [-0.03; 0.18]

23.5% [0.04; 0.15]

2.1% [0.00; 0.37]

2.1% [-0.15; 0.23]

4.9% [-0.06; 0.19]

Weight
(fixed) **(random)**

16.1%

12.1%

7.2%

10.8%

8.6%

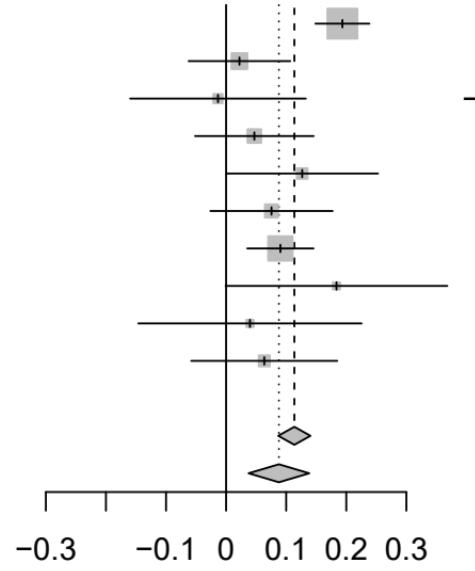
10.5%

15.1%

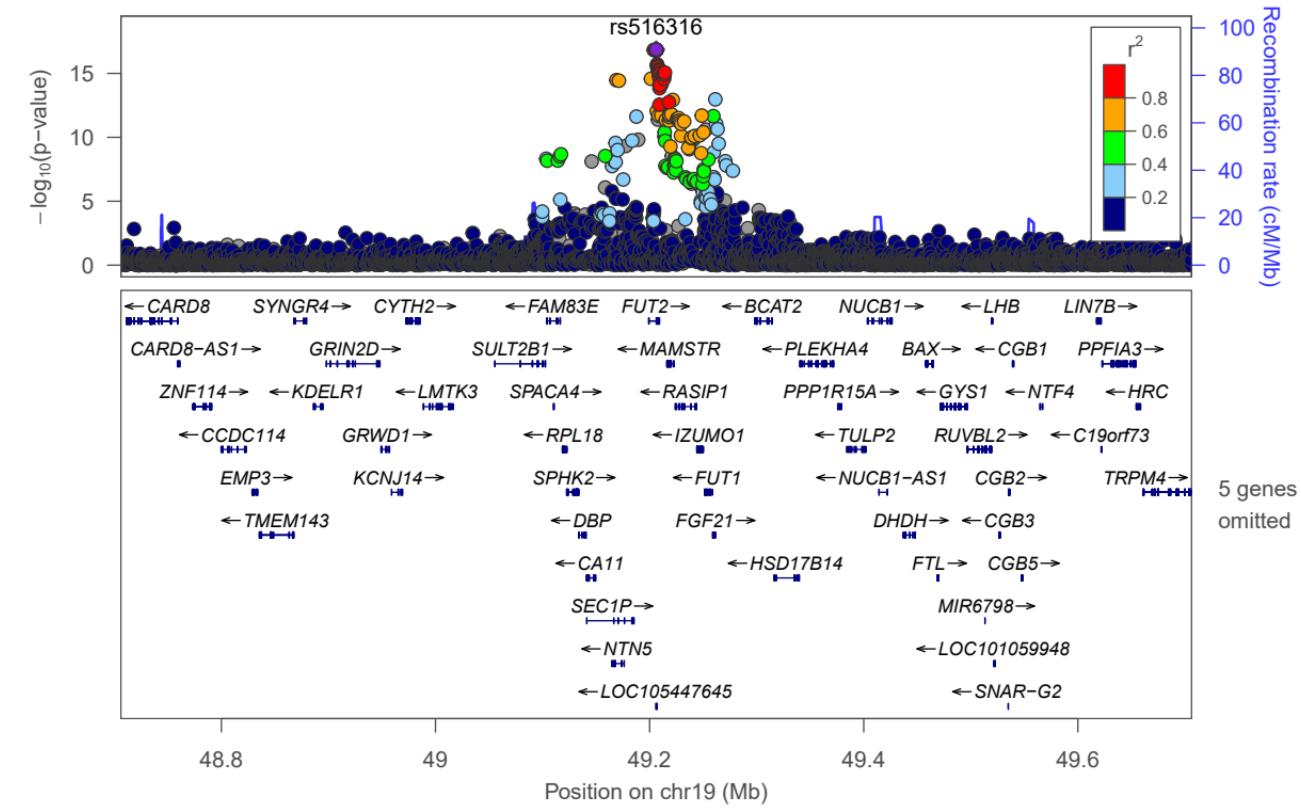
5.3%

5.3%

8.9%

0.11 [**0.09; 0.14**] **100.0%****0.09** [**0.04; 0.14**] **--****--** **100.0%****Fixed effect model****Random effects model**Heterogeneity: $I^2 = 63\%$, $\tau^2 = 0.0036$, $p < 0.01$ 

MMP-10 (MMP10)-rs516316



NT-3 (NTF3)-rs28735437

NT-3 [chr15:88514855_C_G (rs28735437) (C/G) N=14737]

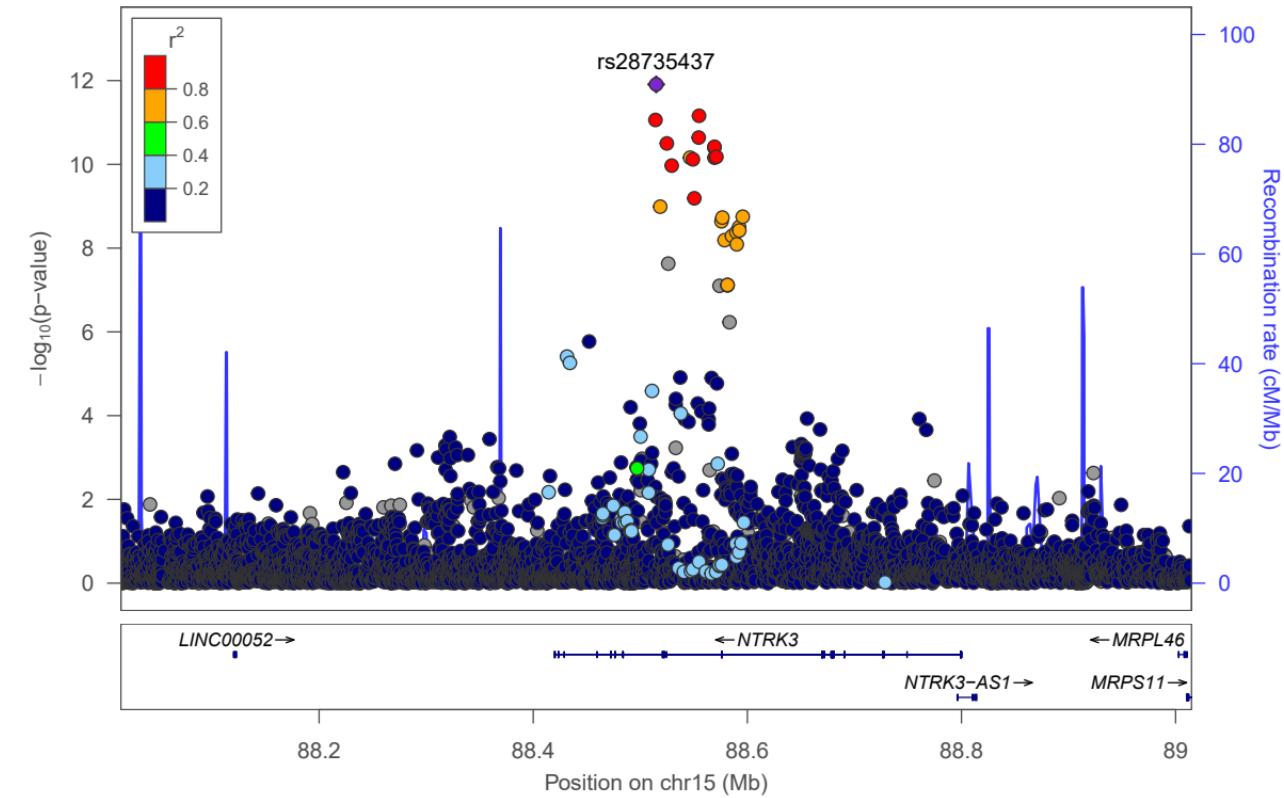
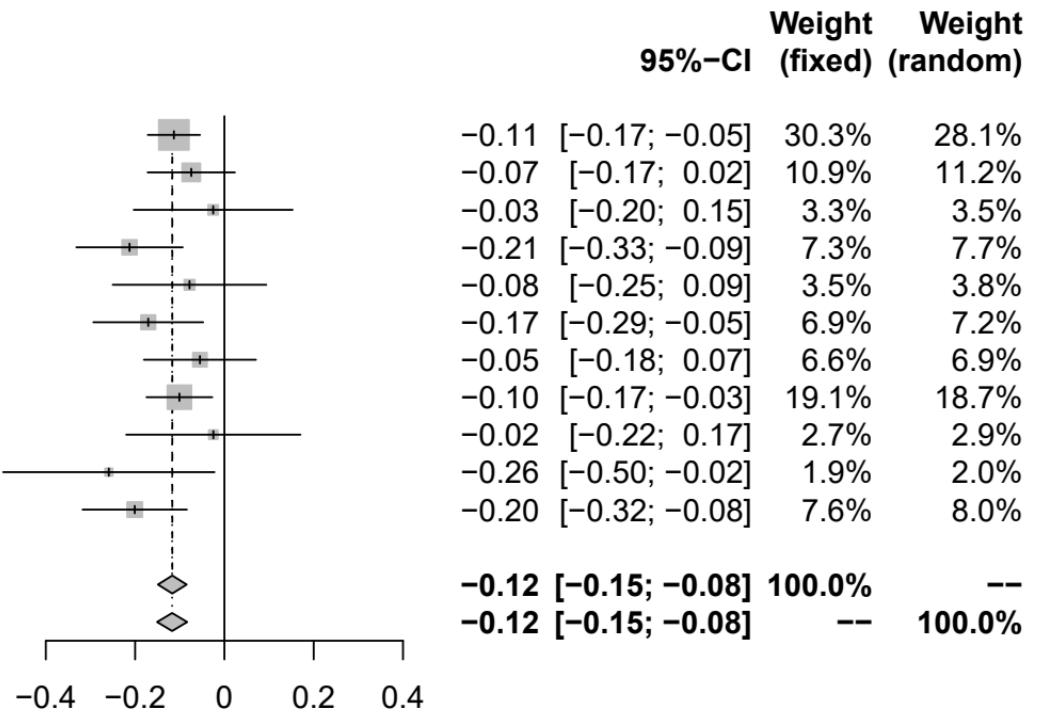
Study

	b	SE
INTERVAL (4896)	-0.11	0.0298
BioFinder (1496)	-0.07	0.0499
EGCUT (487)	-0.03	0.0908
KORA (1064)	-0.21	0.0608
NSPHS (874)	-0.08	0.0878
ORCADES (982)	-0.17	0.0628
RECOMBINE (441)	-0.05	0.0640
STABILITY (2951)	-0.10	0.0376
STANLEY (344)	-0.02	0.0996
STANLEY (300)	-0.26	0.1208
VIS (902)	-0.20	0.0597

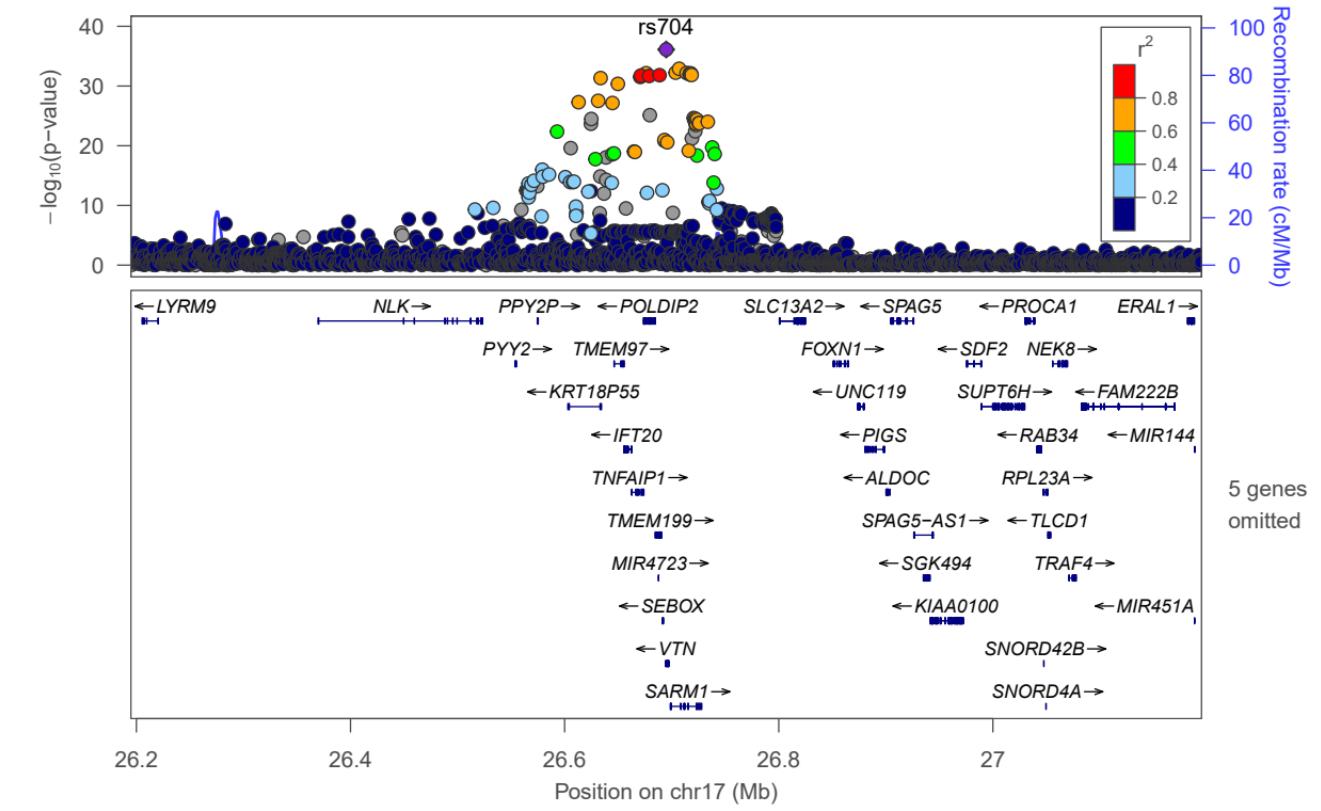
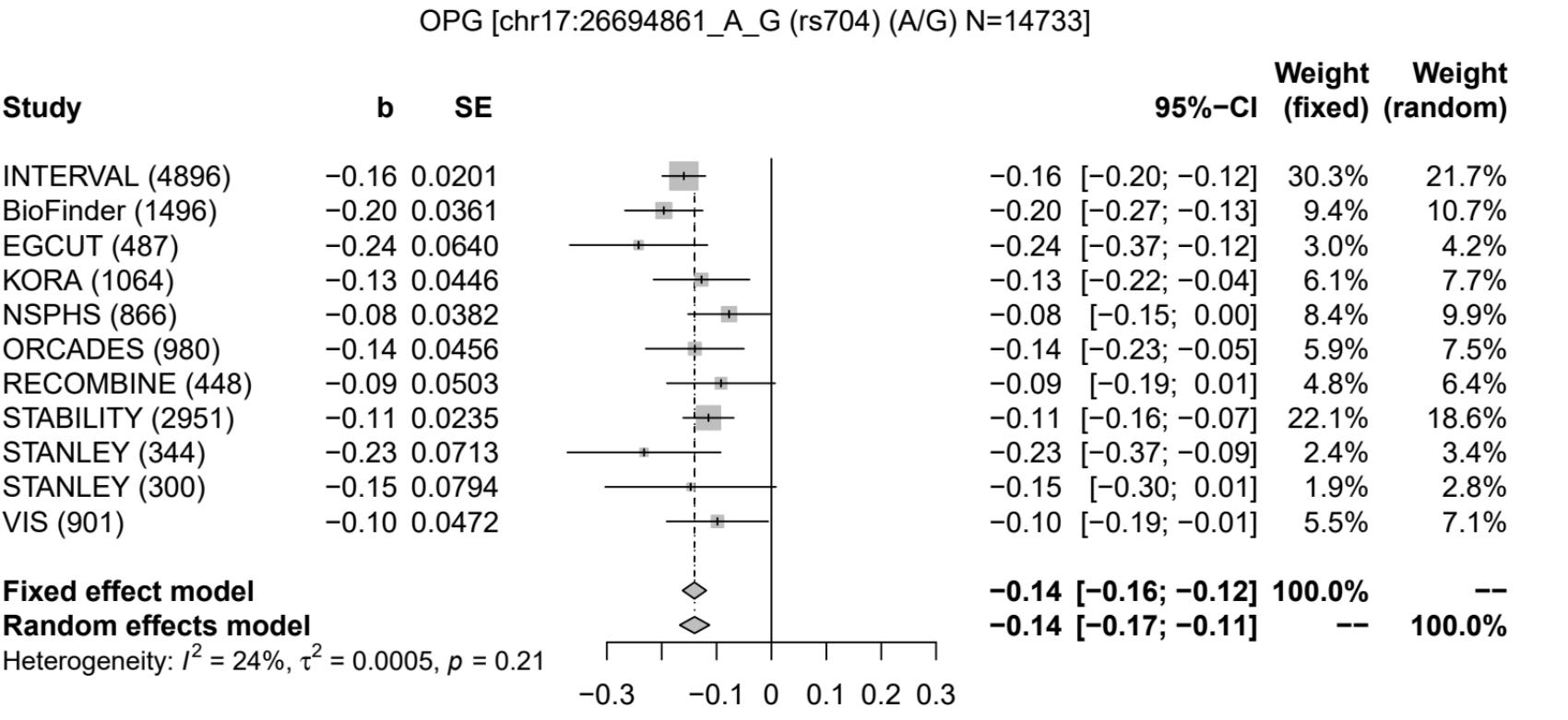
Fixed effect model

Random effects model

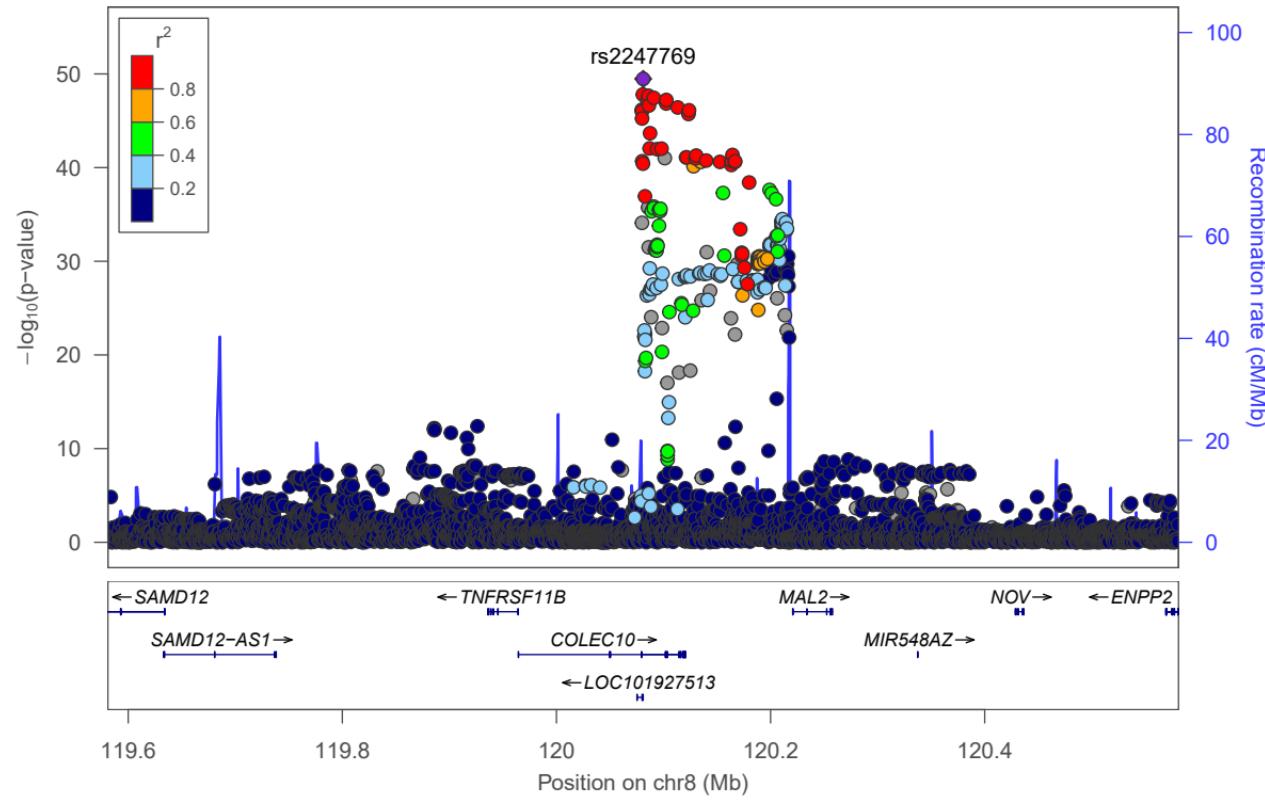
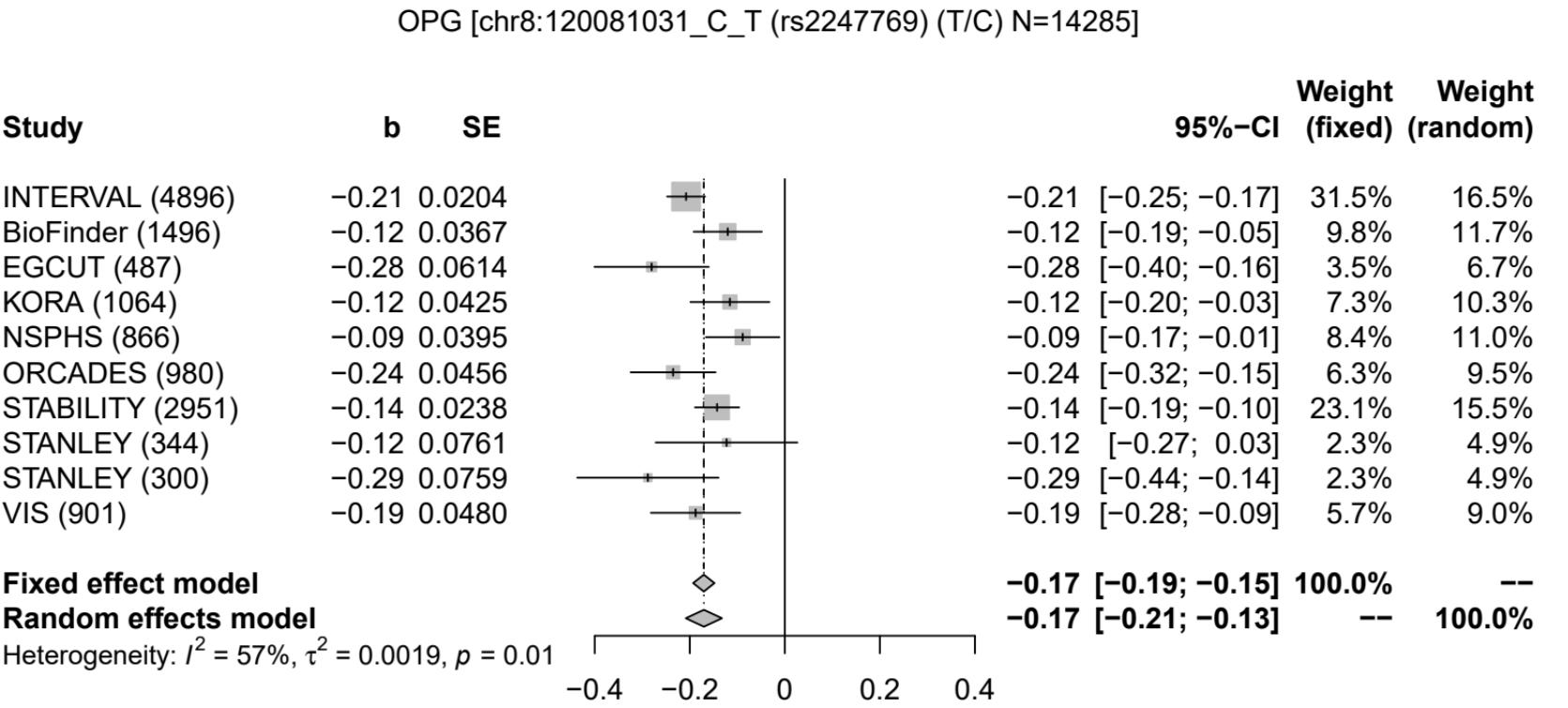
Heterogeneity: $I^2 = 5\%$, $\tau^2 = 0.0002$, $p = 0.40$

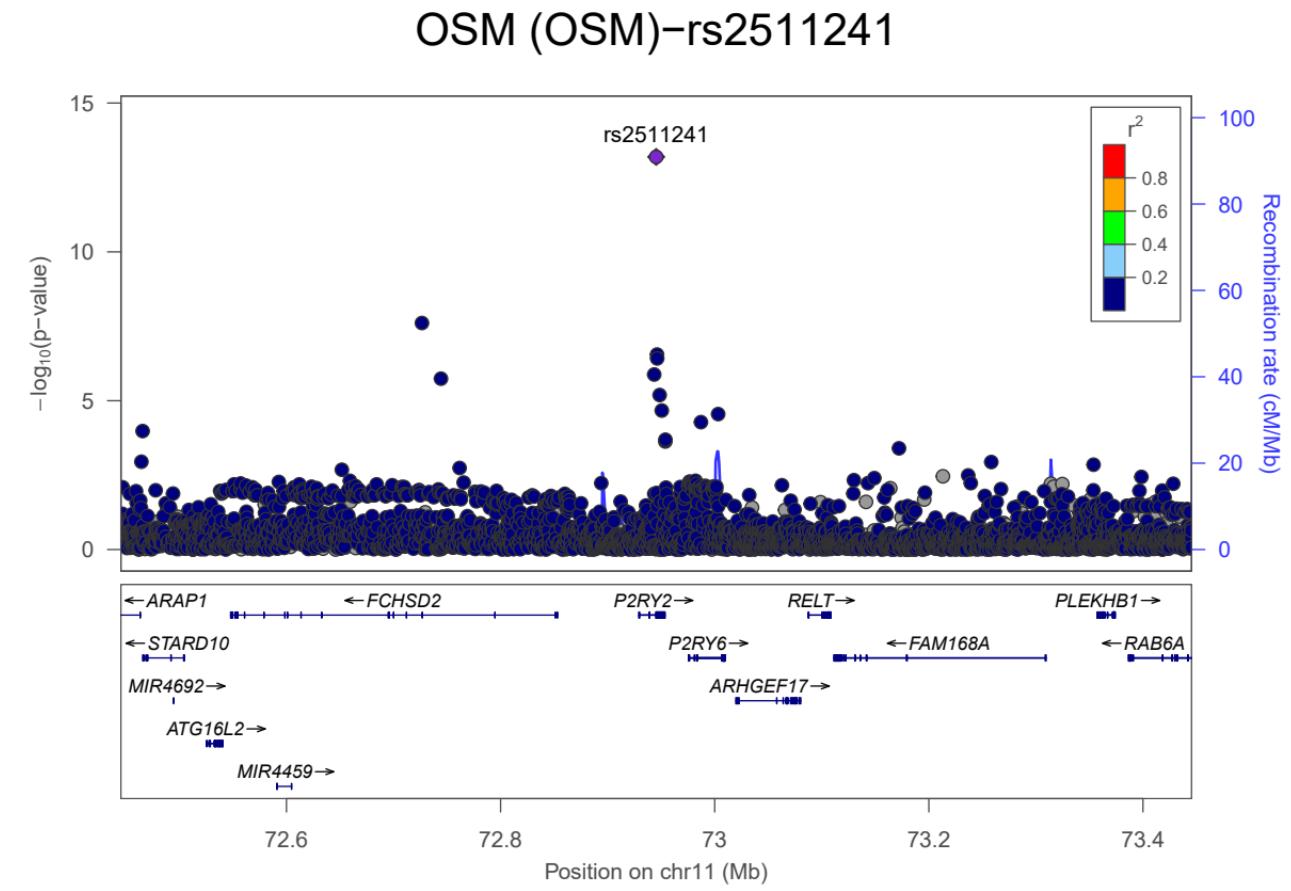
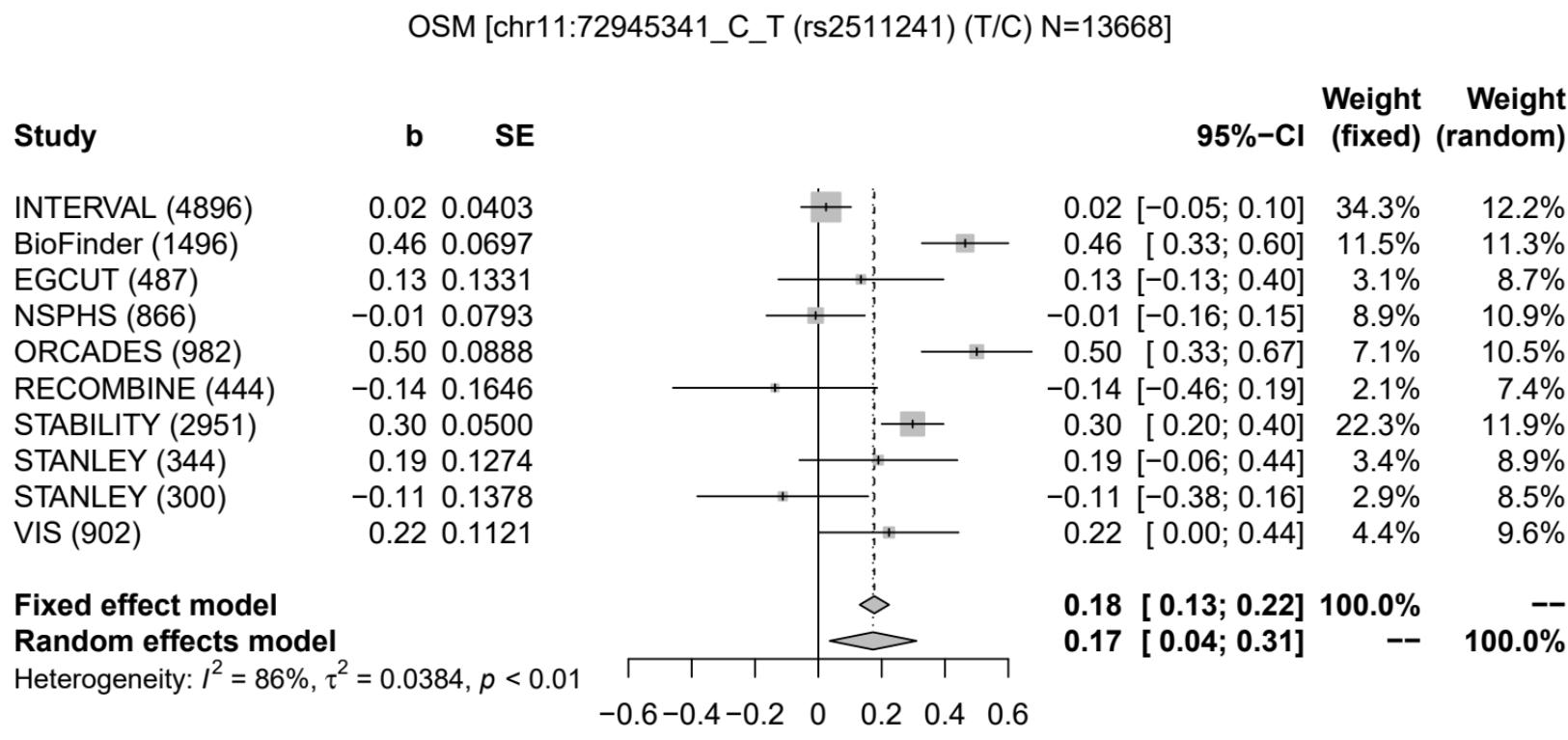


OPG (TNFRSF11B)-rs704



OPG (TNFRSF11B)-rs2247769





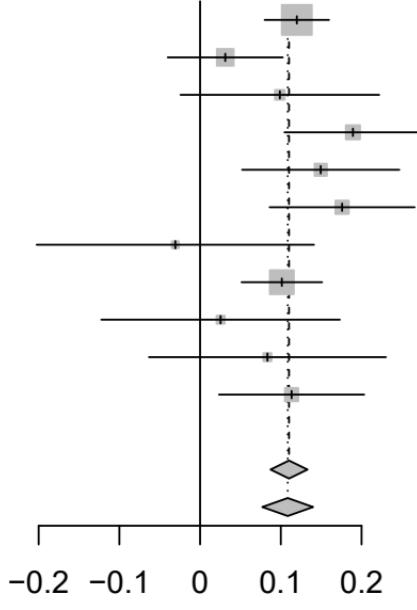
OSM [chr17:38137033_A_G (rs3859189) (A/G) N=14729]

Study

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

b SE

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



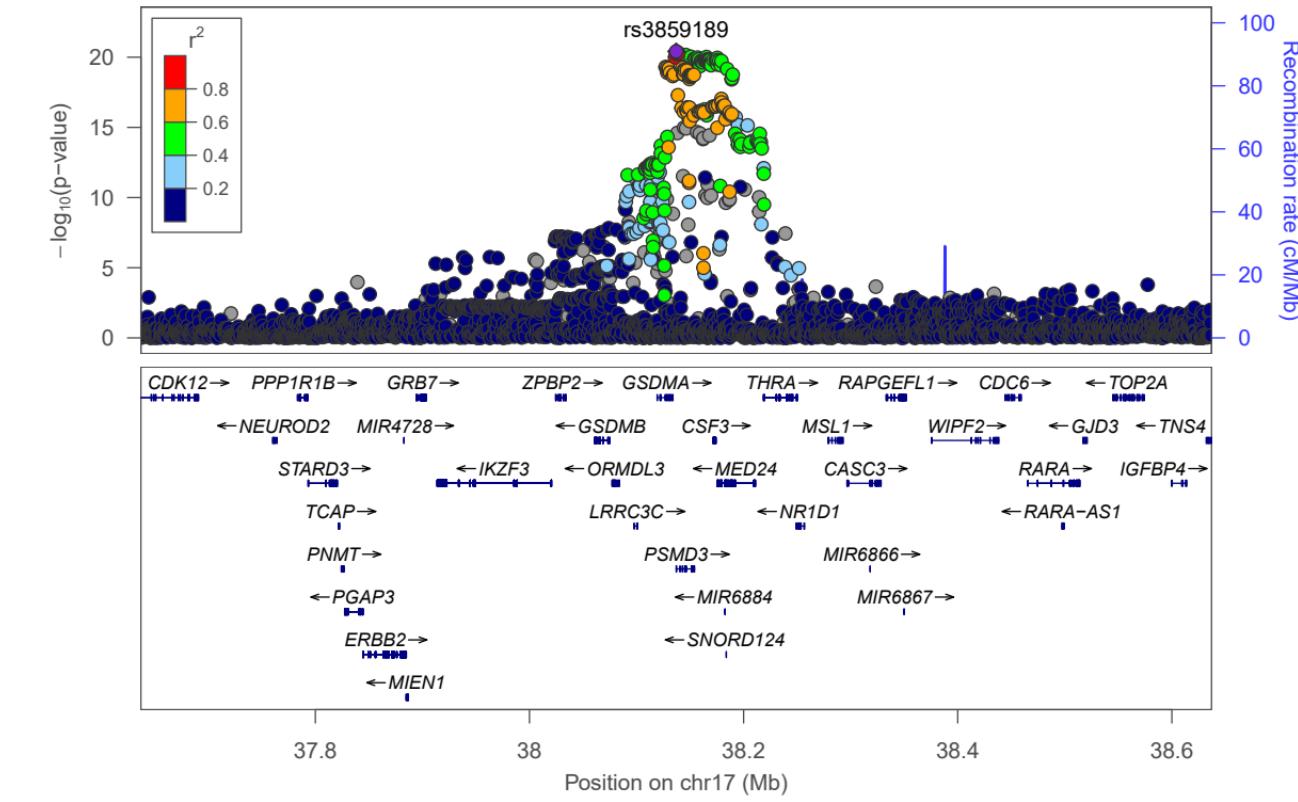
			Weight (fixed)	Weight (random)
		95%-CI		
		[0.08; 0.16]	32.9%	20.3%
		[-0.04; 0.10]	10.3%	11.8%
		[-0.02; 0.22]	3.5%	5.4%
		[0.10; 0.27]	7.3%	9.4%
		[0.05; 0.25]	5.5%	7.7%
		[0.09; 0.27]	6.5%	8.7%
		[-0.20; 0.14]	1.8%	3.0%
		[0.05; 0.15]	21.0%	17.1%
		[-0.12; 0.17]	2.4%	3.9%
		[-0.06; 0.23]	2.4%	4.0%
		[0.02; 0.20]	6.5%	8.7%
	0.11	[0.09; 0.13]	100.0%	--
	0.11	[0.08; 0.14]	--	100.0%

Fixed effect model

Random effects model

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

OSM (OSM)-rs3859189



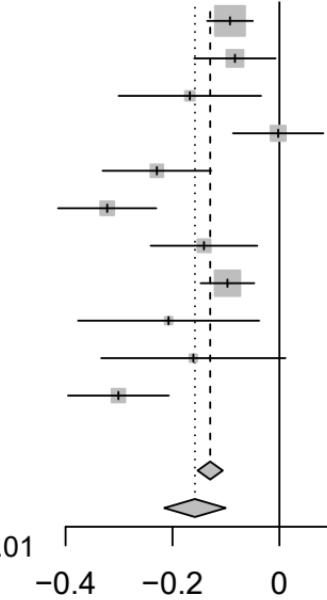
PD-L1 [chr9:5448218_C_T (rs822335) (T/C) N=14736]

Study

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

b SE

-0.09 0.0218
-0.08 0.0388
-0.17 0.0680
-0.00 0.0431
-0.23 0.0518
-0.32 0.0468
-0.14 0.0509
-0.10 0.0256
-0.21 0.0864
-0.16 0.0879
-0.30 0.0481



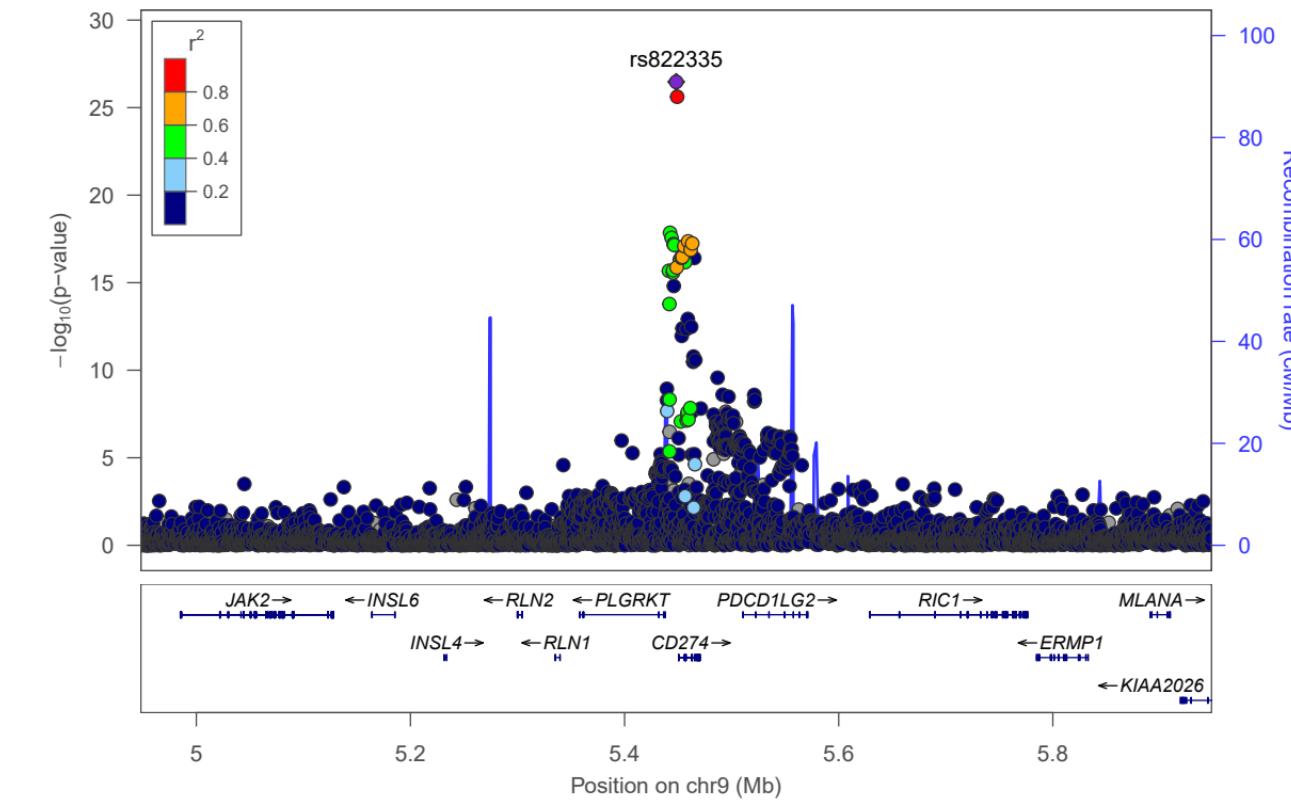
95%-CI Weight (fixed) Weight (random)

-0.09	[-0.14; -0.05]	30.2%	11.8%
-0.08	[-0.16; -0.01]	9.6%	10.3%
-0.17	[-0.30; -0.03]	3.1%	7.5%
-0.00	[-0.09; 0.08]	7.7%	9.9%
-0.23	[-0.33; -0.13]	5.4%	9.0%
-0.32	[-0.41; -0.23]	6.5%	9.5%
-0.14	[-0.24; -0.04]	5.6%	9.1%
-0.10	[-0.15; -0.05]	21.9%	11.5%
-0.21	[-0.38; -0.04]	1.9%	6.0%
-0.16	[-0.33; 0.01]	1.9%	5.9%
-0.30	[-0.40; -0.21]	6.2%	9.4%

Fixed effect model
Random effects model

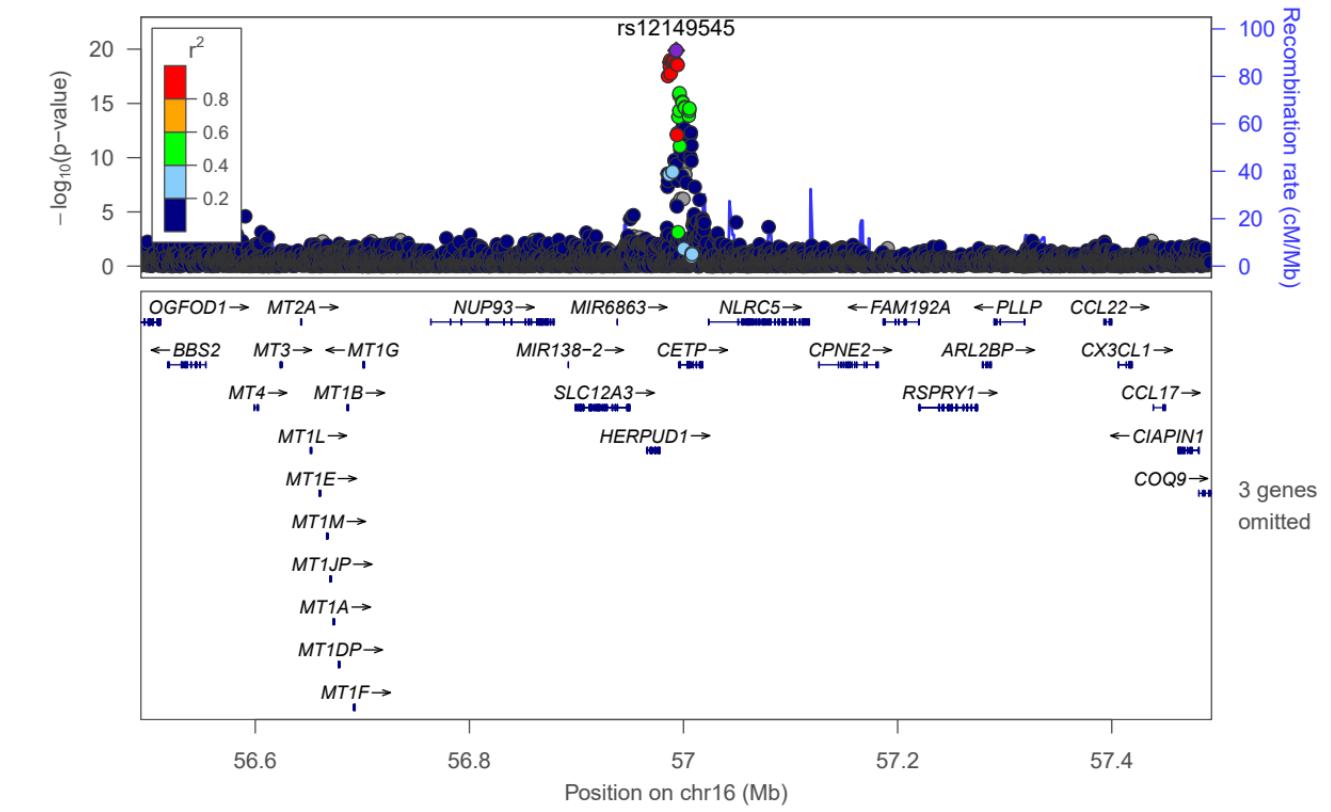
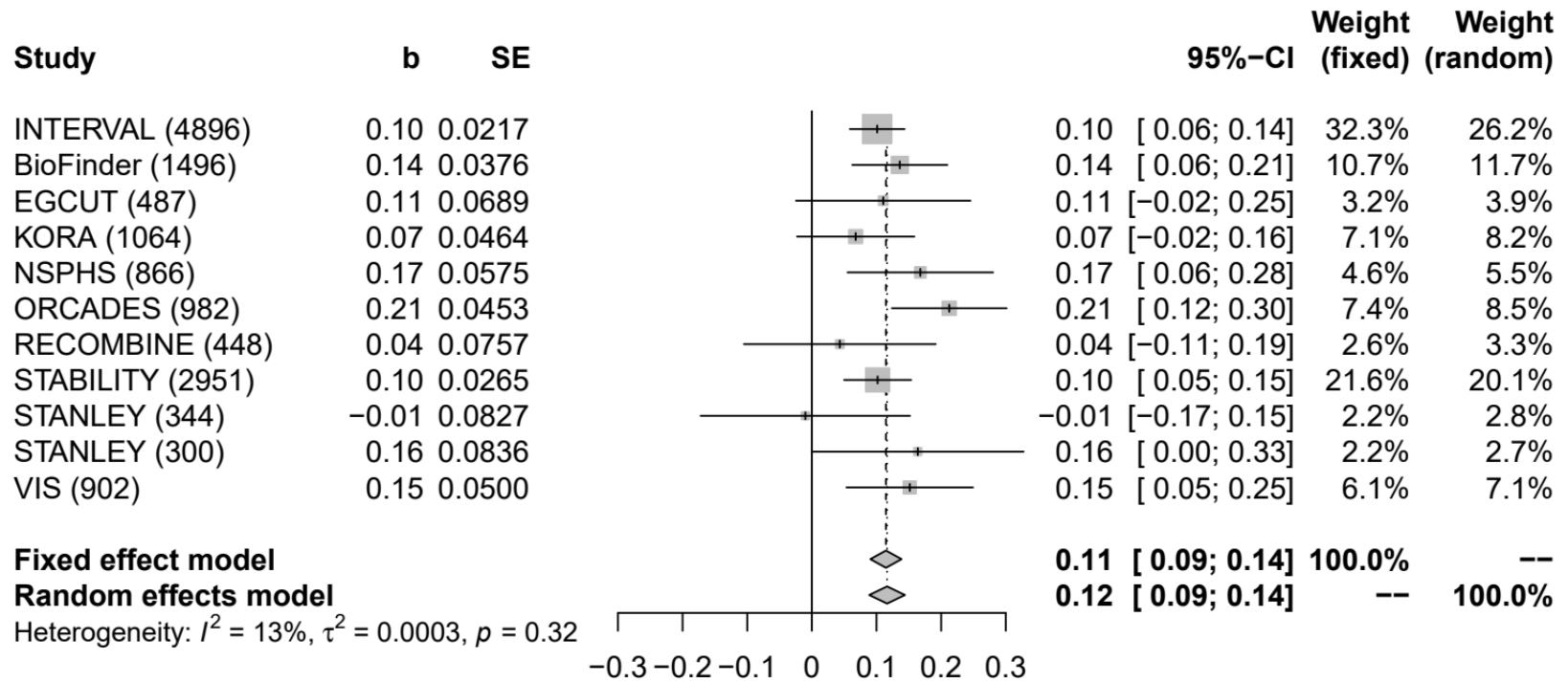
Heterogeneity: $I^2 = 80\%$, $\tau^2 = 0.0068$, $p < 0.01$

PD-L1 (CD274)-rs822335



SCF (KITLG)-rs12149545

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



Study

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

SCF [chr16:67940350_A_G (rs55781197) (A/G) N=14736]

b

0.0318

0.0547

0.0872

0.0619

0.0680

0.0638

0.1042

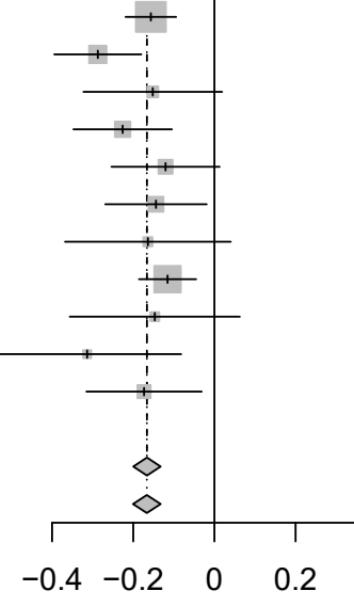
0.0359

0.0359

0.1069

0.1182

0.0725

**95%-CI**

-0.16 [-0.22; -0.09]

-0.29 [-0.39; -0.18]

-0.15 [-0.32; 0.02]

-0.23 [-0.35; -0.10]

-0.12 [-0.25; 0.01]

-0.14 [-0.27; -0.02]

-0.16 [-0.37; 0.04]

-0.12 [-0.19; -0.05]

-0.15 [-0.36; 0.06]

-0.31 [-0.55; -0.08]

-0.17 [-0.32; -0.03]

-0.17 [-0.20; -0.13]**100.0%****--****--****100.0%****Weight (fixed)**

29.2%

9.8%

3.9%

7.7%

6.4%

7.2%

2.7%

22.8%

2.6%

2.1%

5.6%

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

28.7%

9.9%

3.9%

7.8%

6.5%

7.3%

2.8%

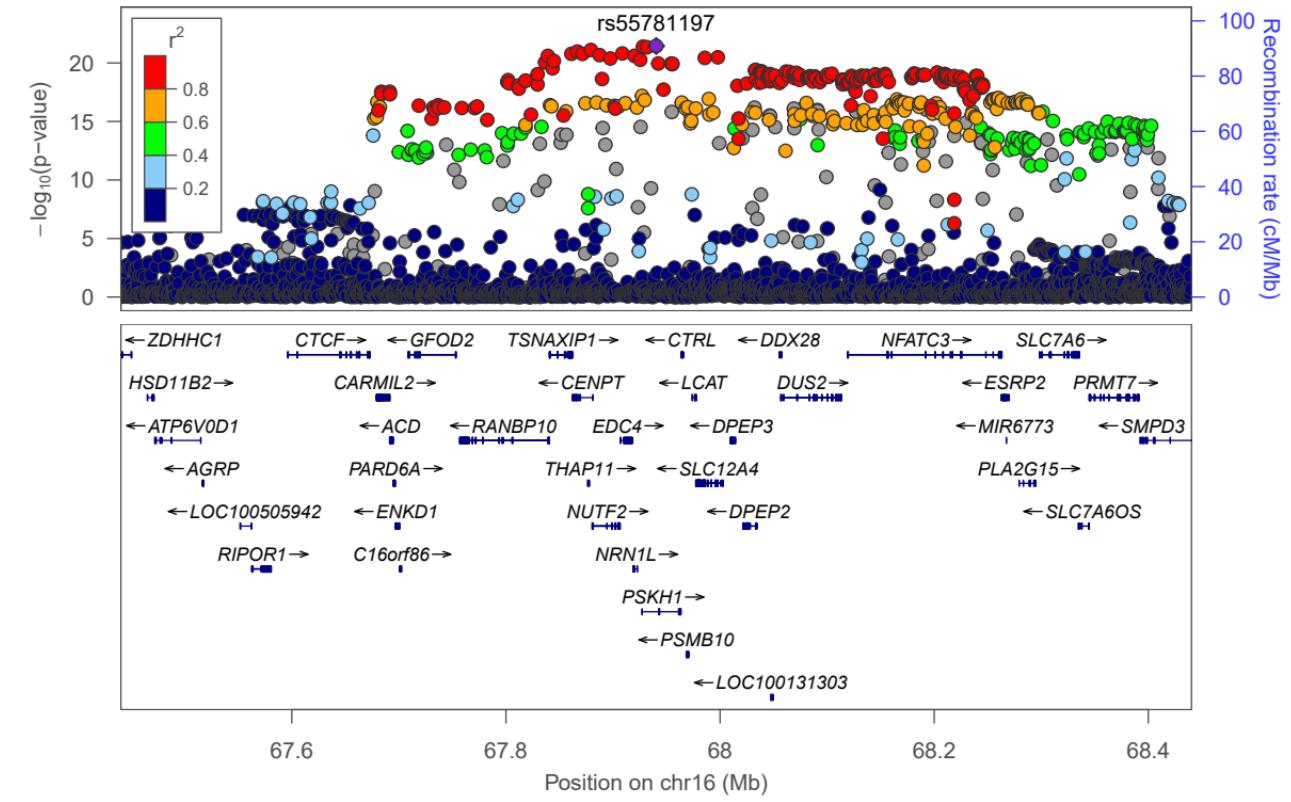
22.6%

2.6%

2.2%

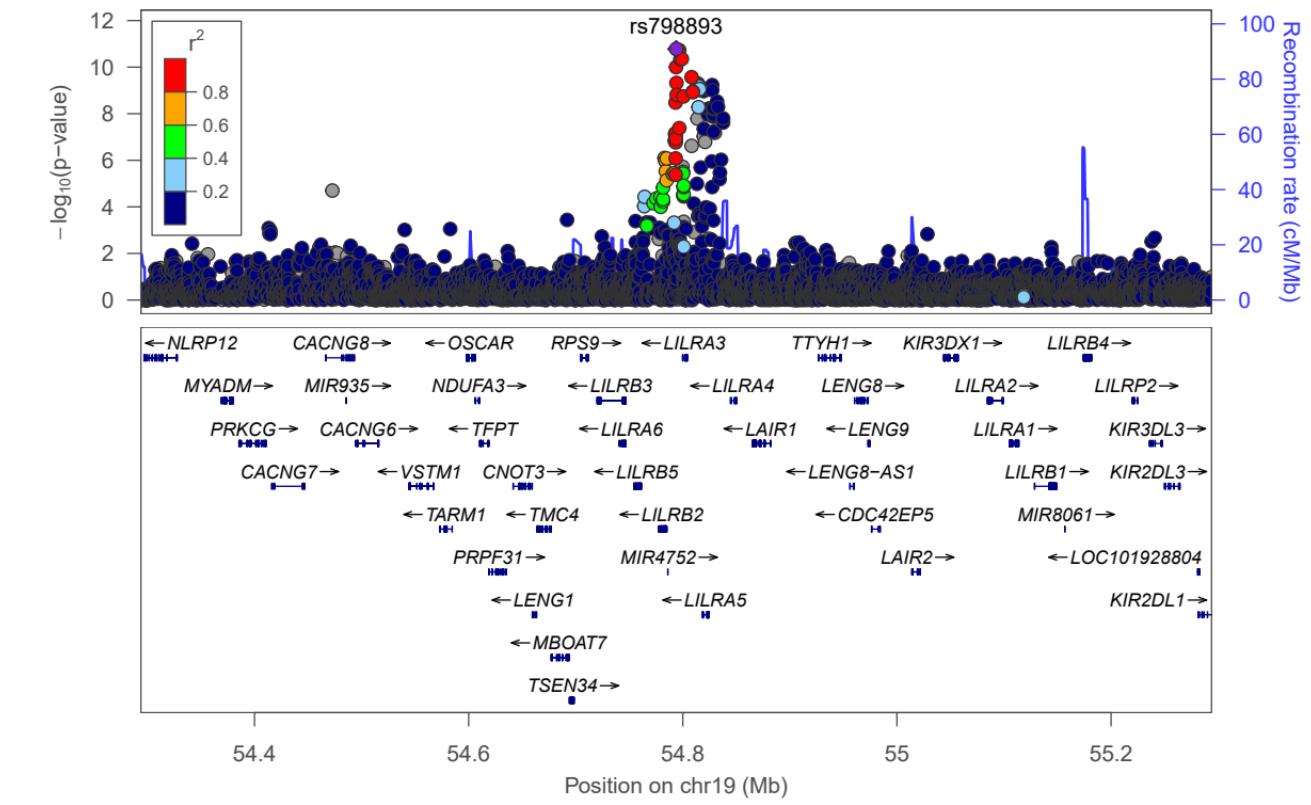
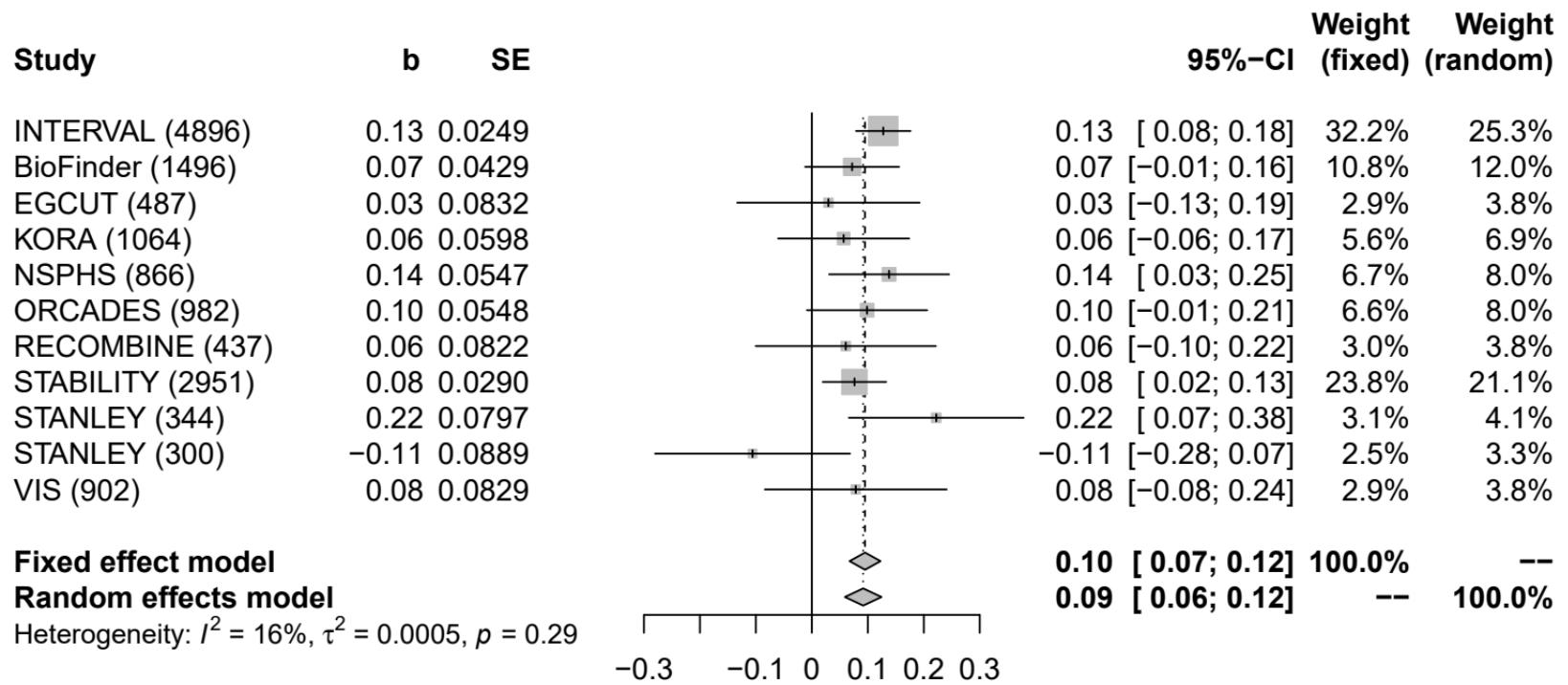
5.7%

SCF (KITLG)-rs55781197



SCF (KITLG)-rs798893

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



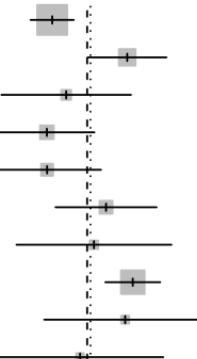
Study

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]

b

0.0248



-0.4 -0.2 0 0.2 0.4

-0.4 -0.2 0 0.2 0.4

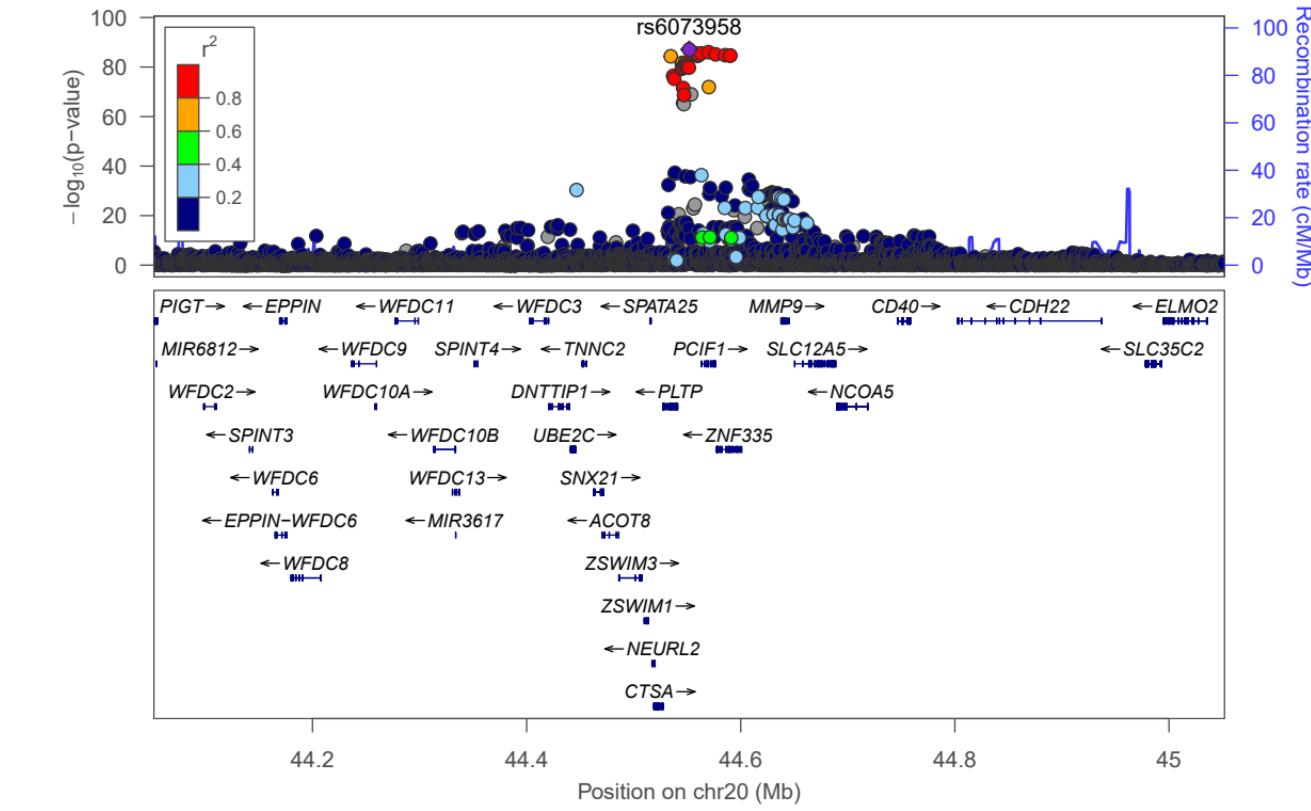
Weight (fixed) Weight (random)

	95%-CI	Weight (fixed)	Weight (random)
-0.36 [-0.41; -0.32]	33.6%	13.4%	
-0.20 [-0.28; -0.11]	10.2%	11.0%	
-0.33 [-0.48; -0.19]	3.7%	7.6%	
-0.38 [-0.48; -0.27]	7.0%	9.8%	
-0.38 [-0.50; -0.25]	5.4%	8.9%	
-0.24 [-0.36; -0.13]	6.2%	9.4%	
-0.27 [-0.44; -0.10]	2.6%	6.3%	
-0.18 [-0.25; -0.12]	20.8%	12.7%	
-0.20 [-0.38; -0.02]	2.4%	6.0%	
-0.30 [-0.49; -0.11]	2.3%	5.8%	
-0.21 [-0.33; -0.10]	5.7%	9.1%	

-0.29 [-0.31; -0.26] 100.0%**-0.28 [-0.34; -0.22] -- 100.0%****Fixed effect model****Random effects model**

Heterogeneity: $I^2 = 69\%$, $\tau^2 = 0.0058$, $p < 0.01$

SCF (KITLG)-rs6073958



SCF (KITLG)-rs705379

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

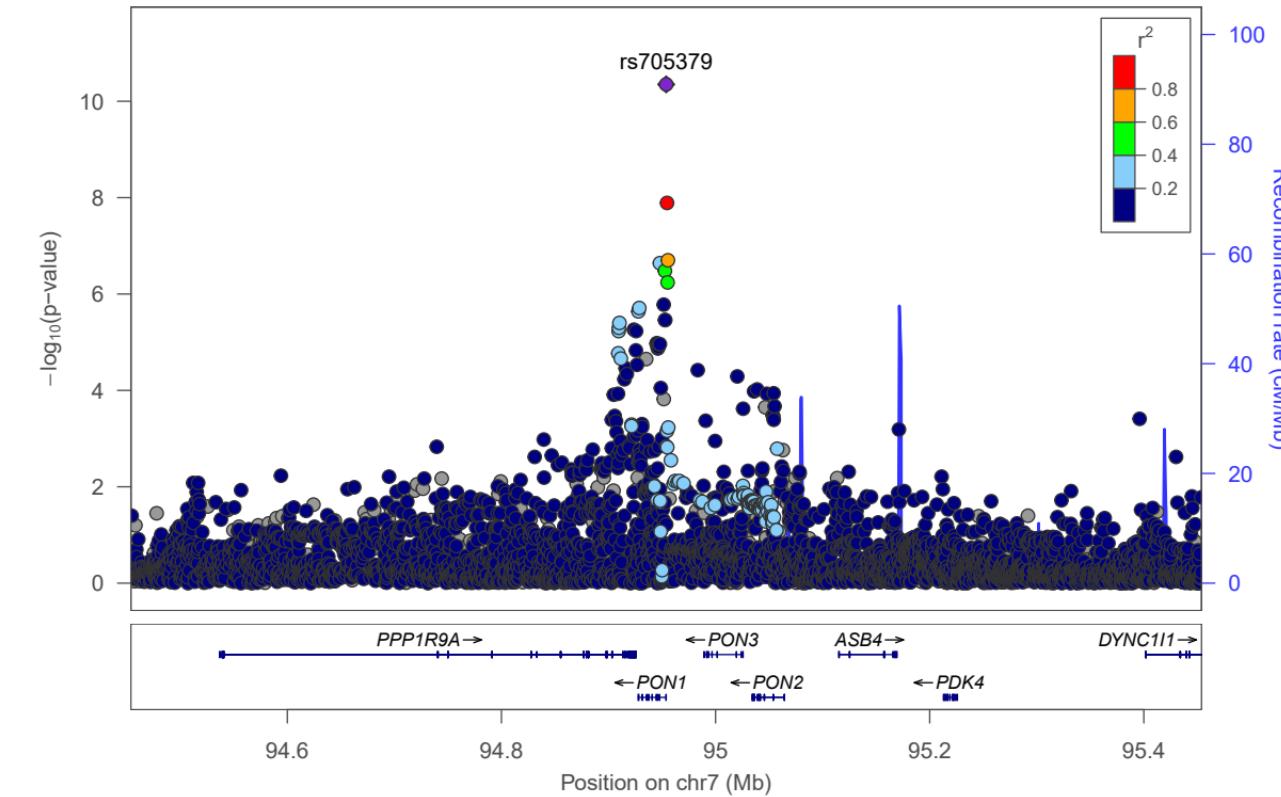
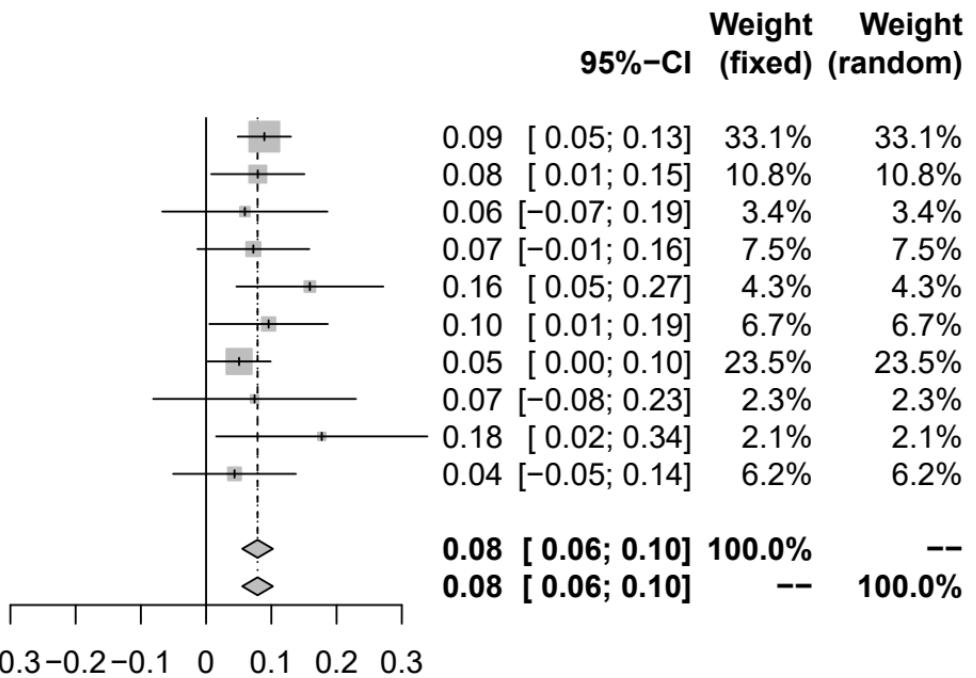
Study

	b	SE
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

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]

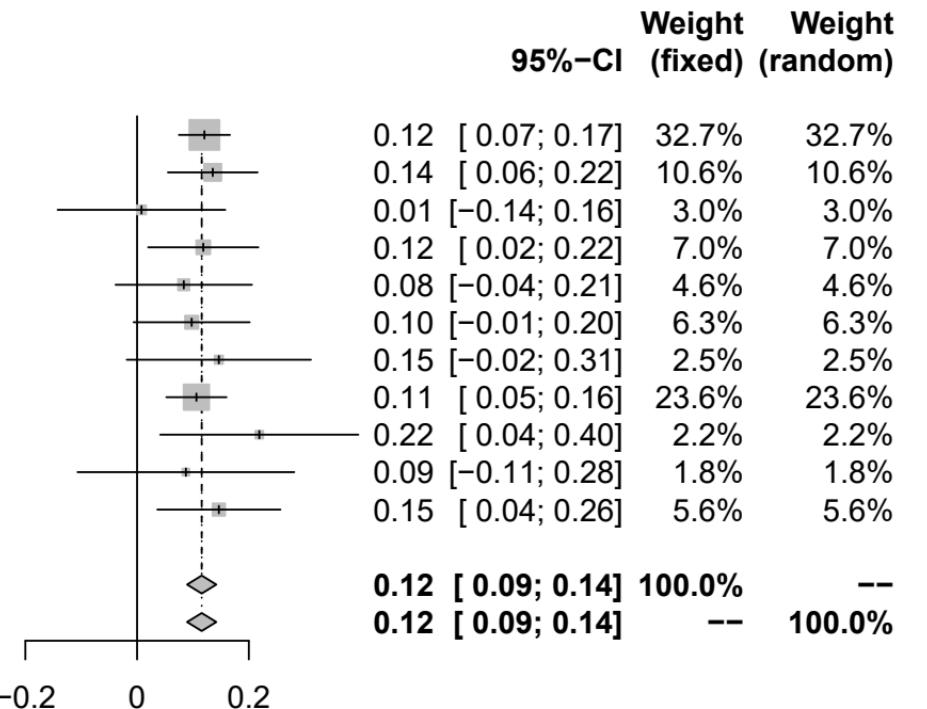
Study

	b	SE
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

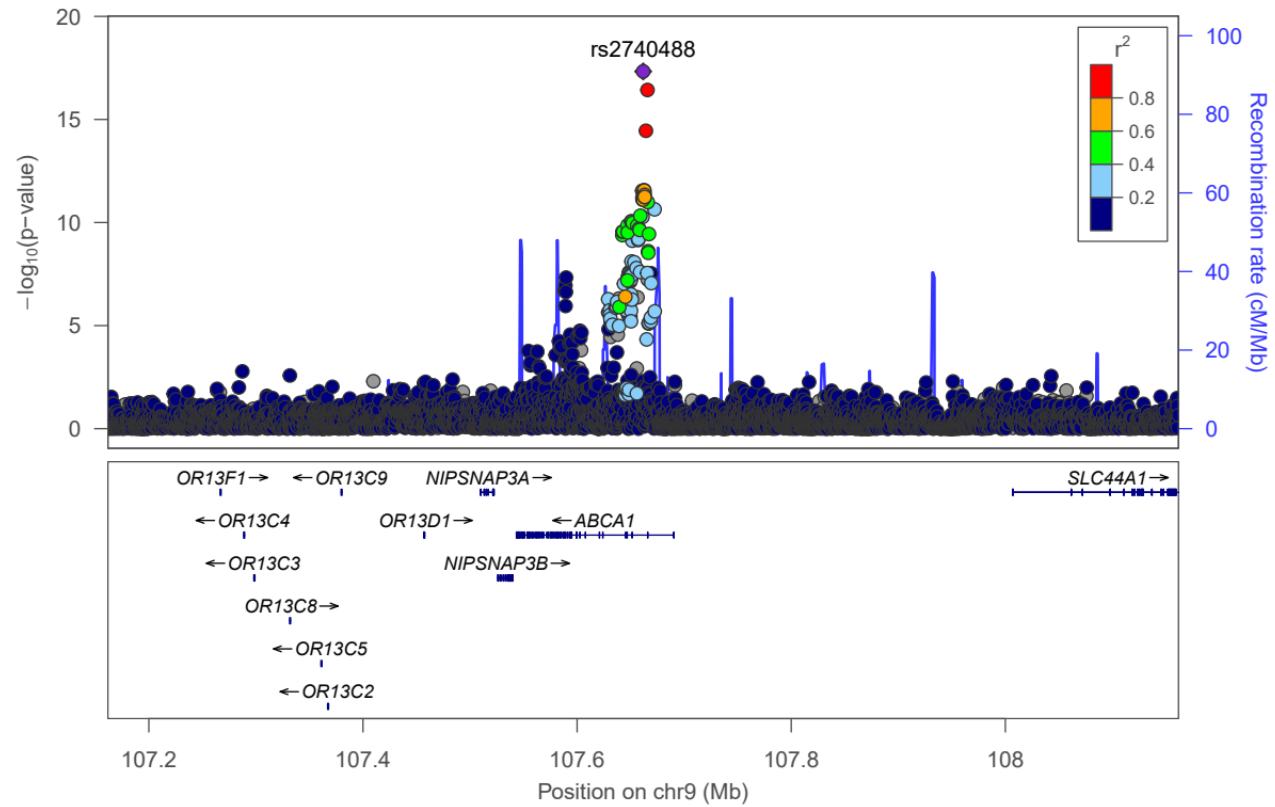
Fixed effect model

Random effects model

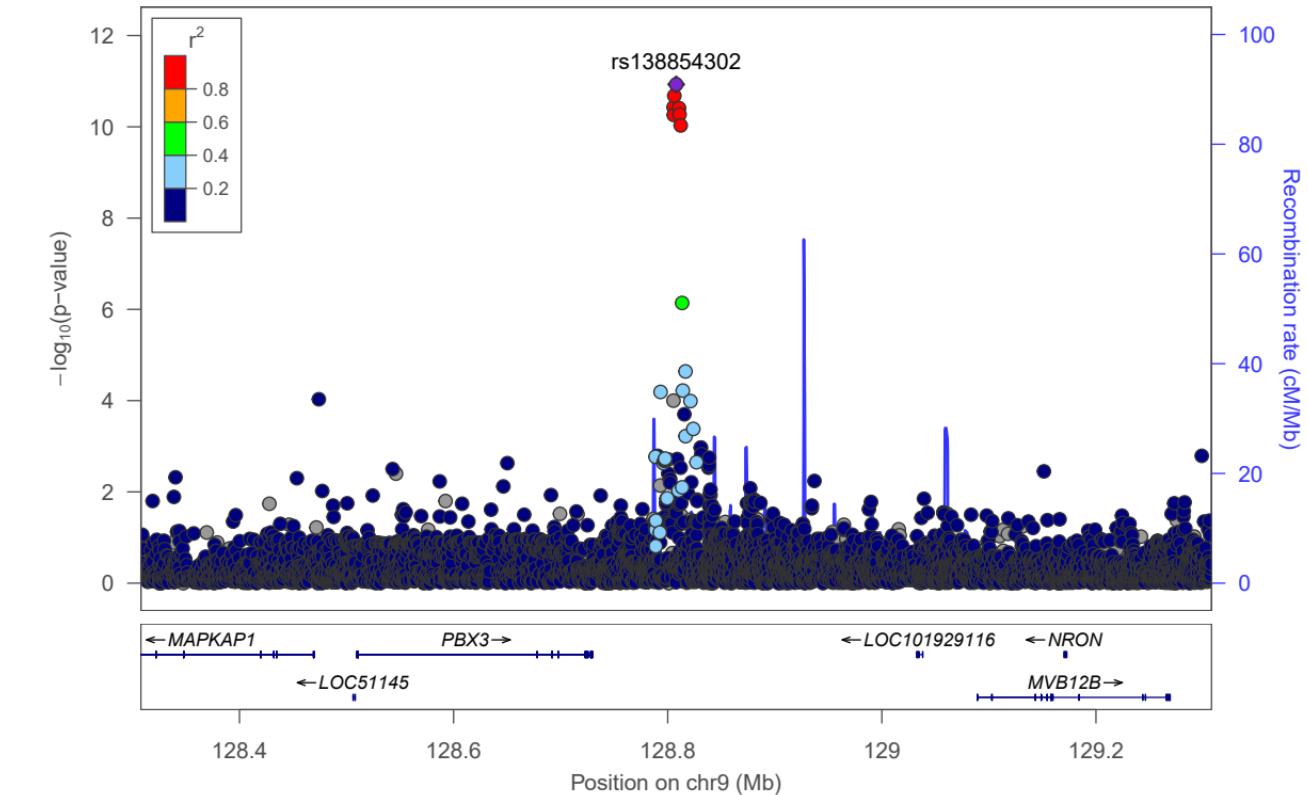
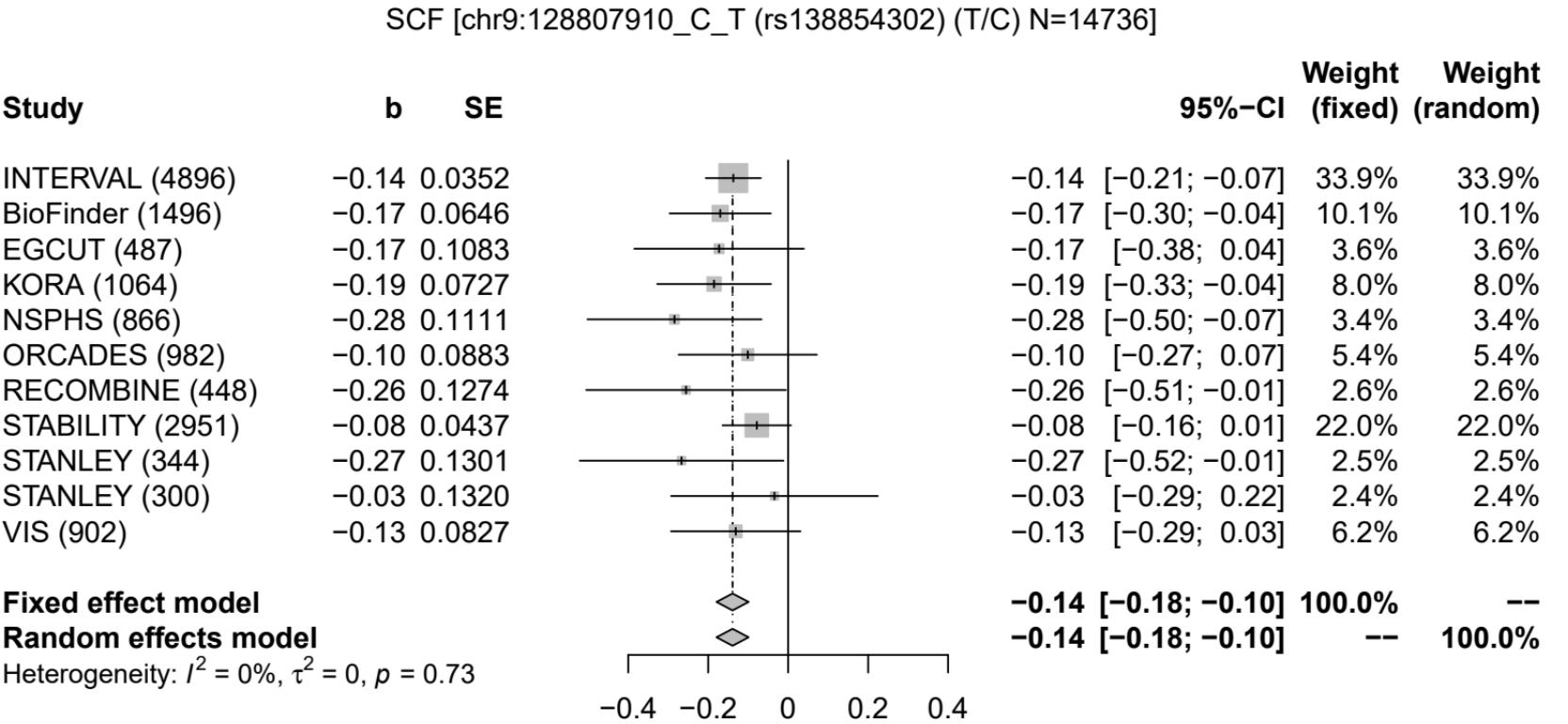
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.92$



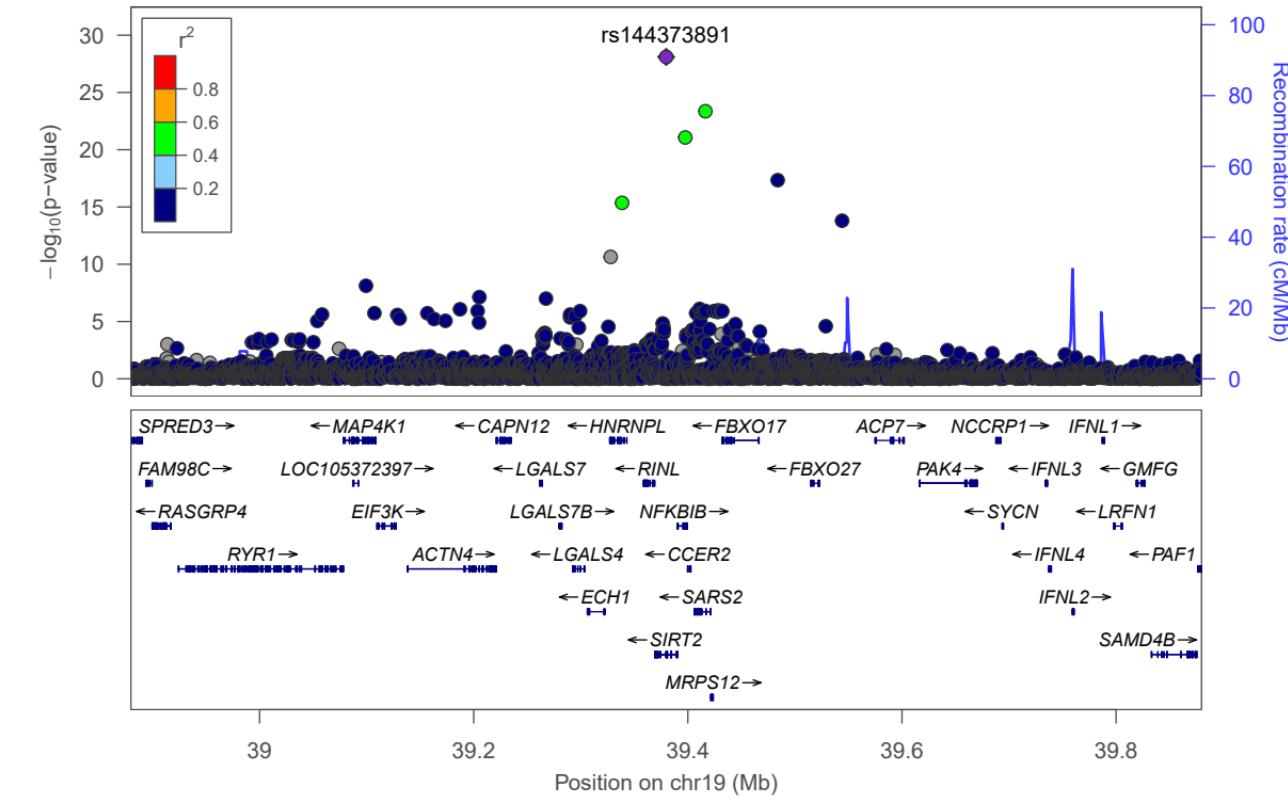
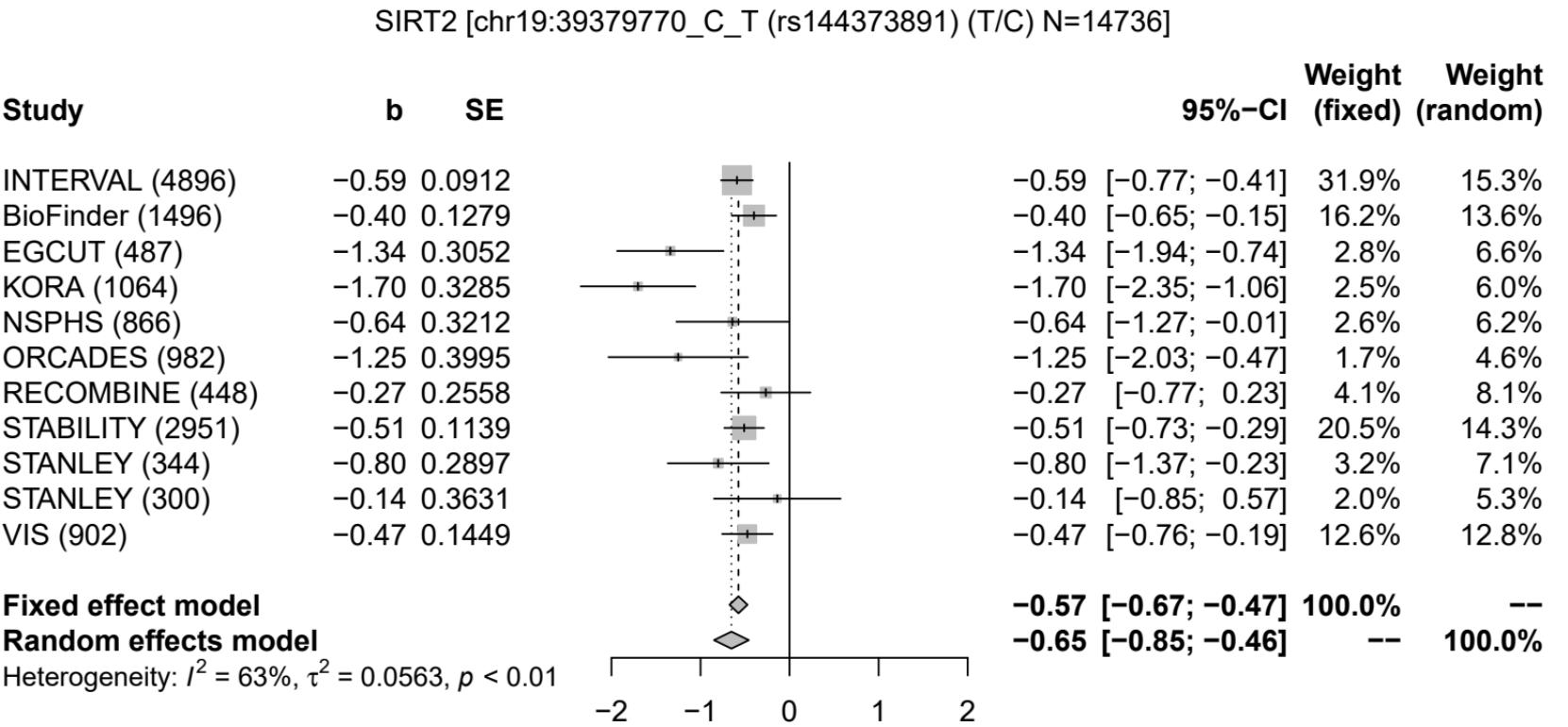
SCF (KITLG)-rs2740488



SCF (KITLG)-rs138854302



SIRT2 (SIRT2)-rs144373891



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

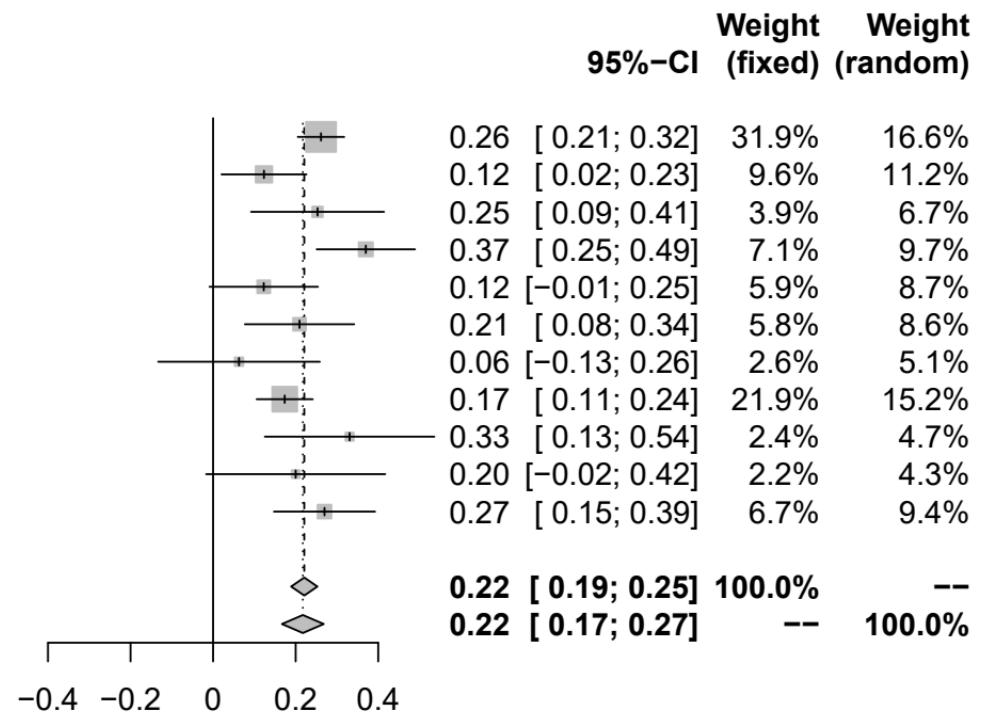
Study

	b	SE
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

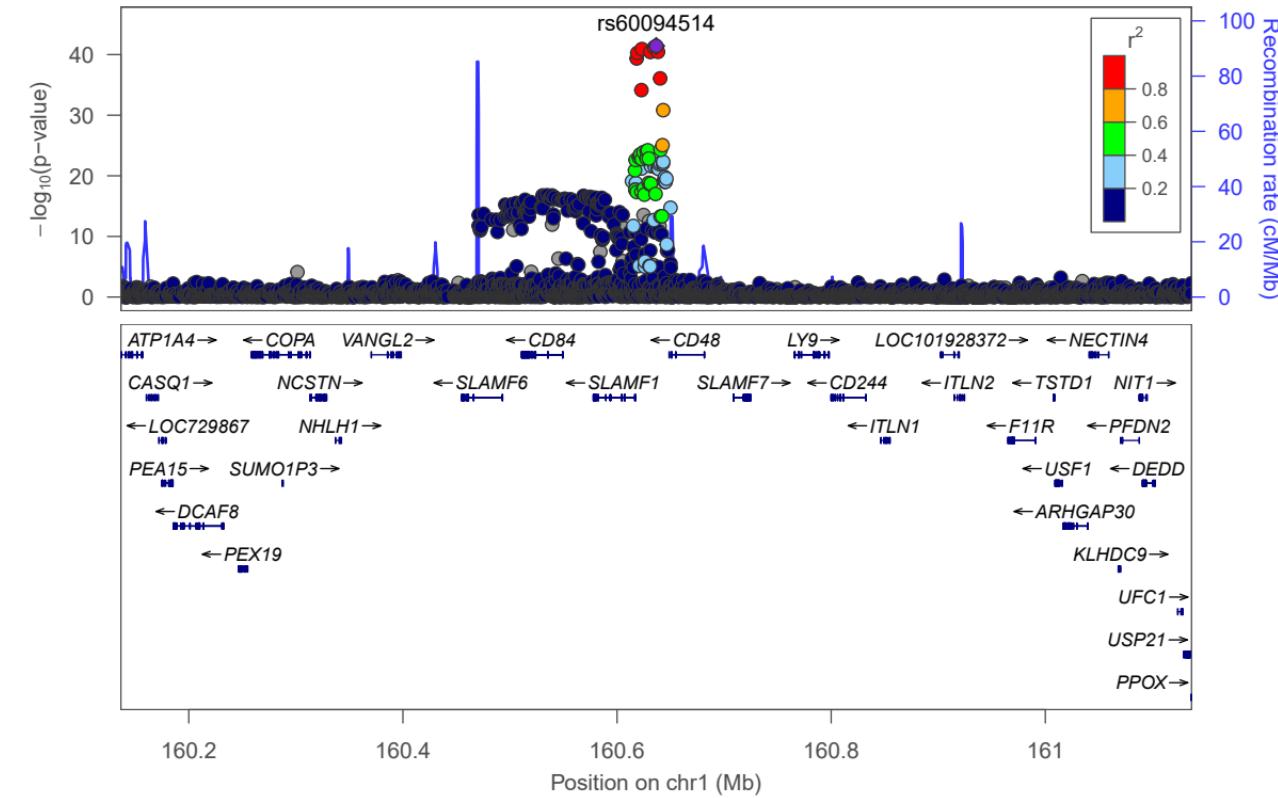
Fixed effect model

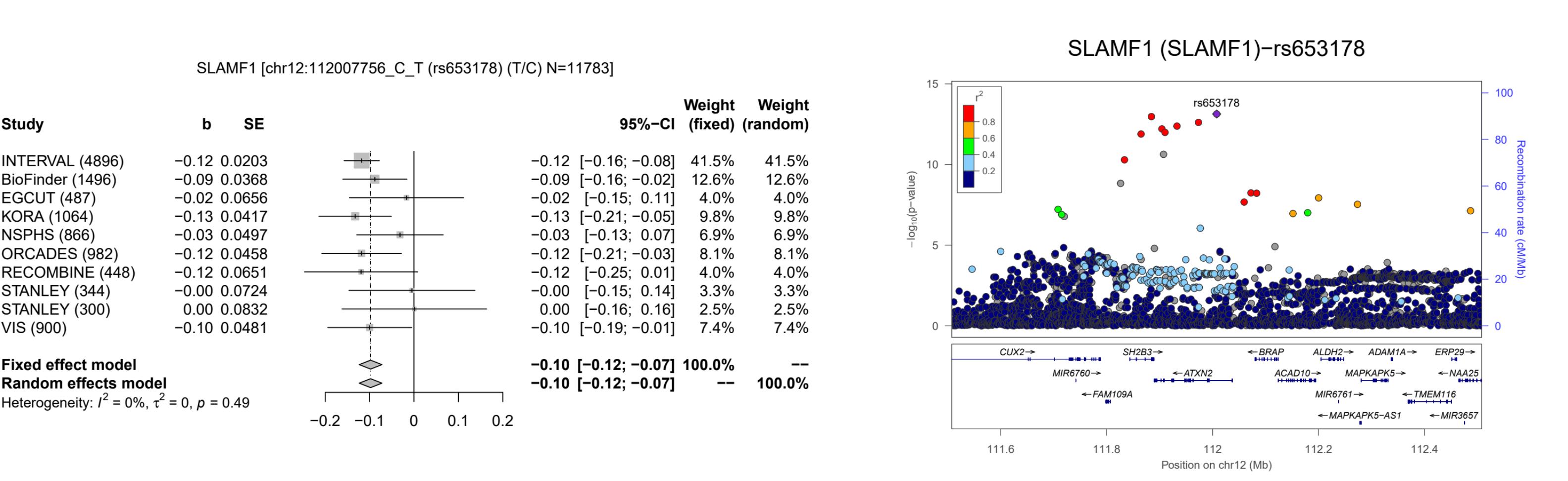
Random effects model

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



SLAMF1 (SLAMF1)-rs60094514





SLAMF1 (SLAMF1)-rs200489612

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

Study

b **SE**

INTERVAL (4896)

0.72 0.1241

ORCADES (982)

1.16 0.4025

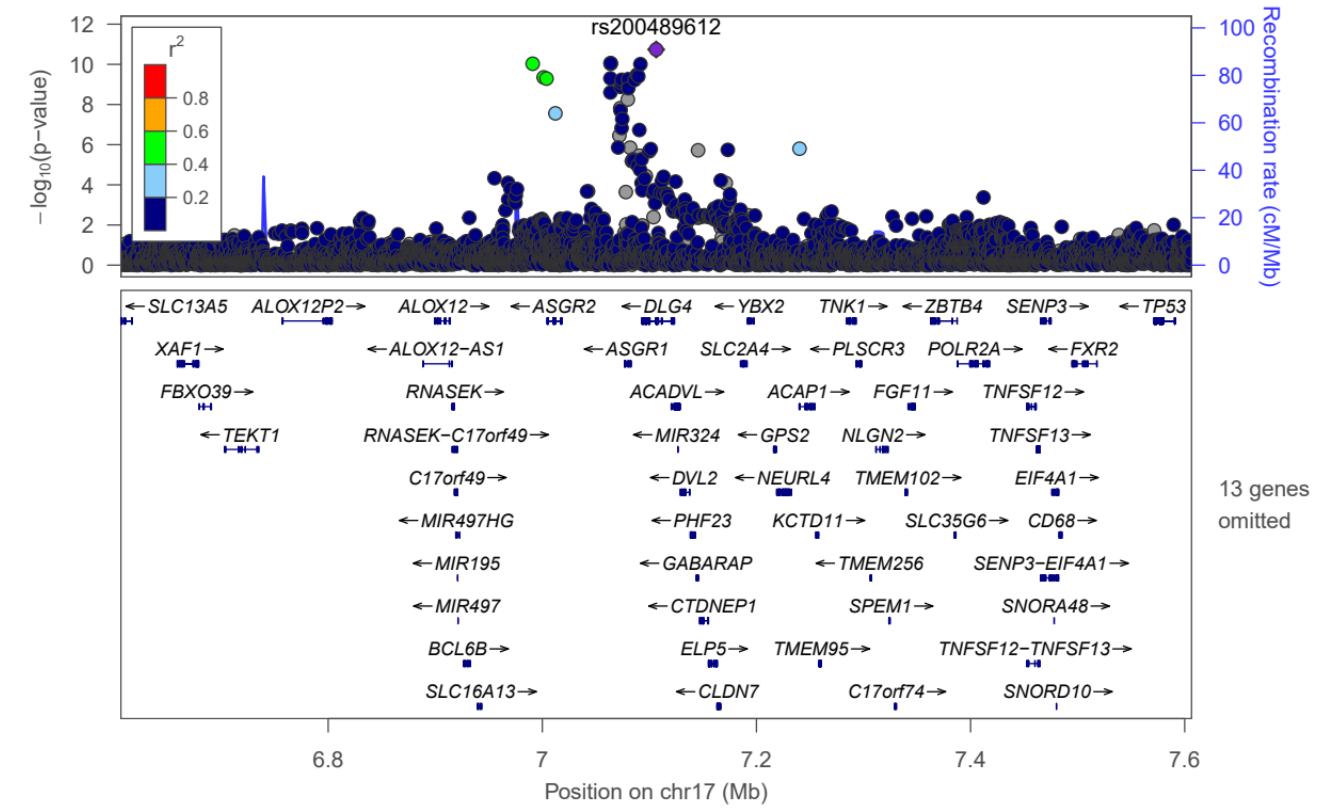
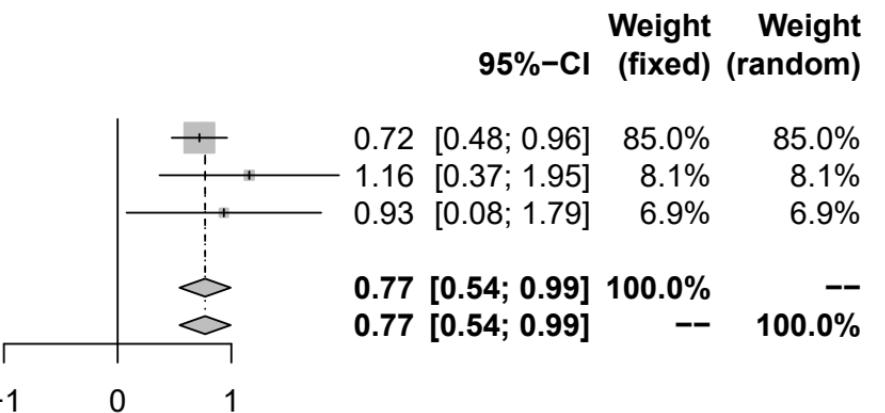
VIS (900)

0.93 0.4365

Fixed effect model

Random effects model

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

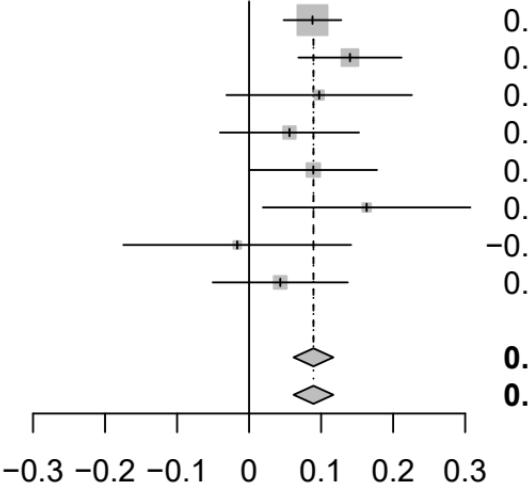


SLAMF1 [chr17:79220224_C_G (rs2725405) (C/G) N=10271]

Study

Study	b	SE
INTERVAL (4896)	0.09	0.0204
BioFinder (1496)	0.14	0.0365
EGCUT (487)	0.10	0.0657
NSPHS (866)	0.06	0.0493
ORCADES (982)	0.09	0.0451
STANLEY (344)	0.16	0.0735
STANLEY (300)	-0.02	0.0807
VIS (900)	0.04	0.0479

b SE



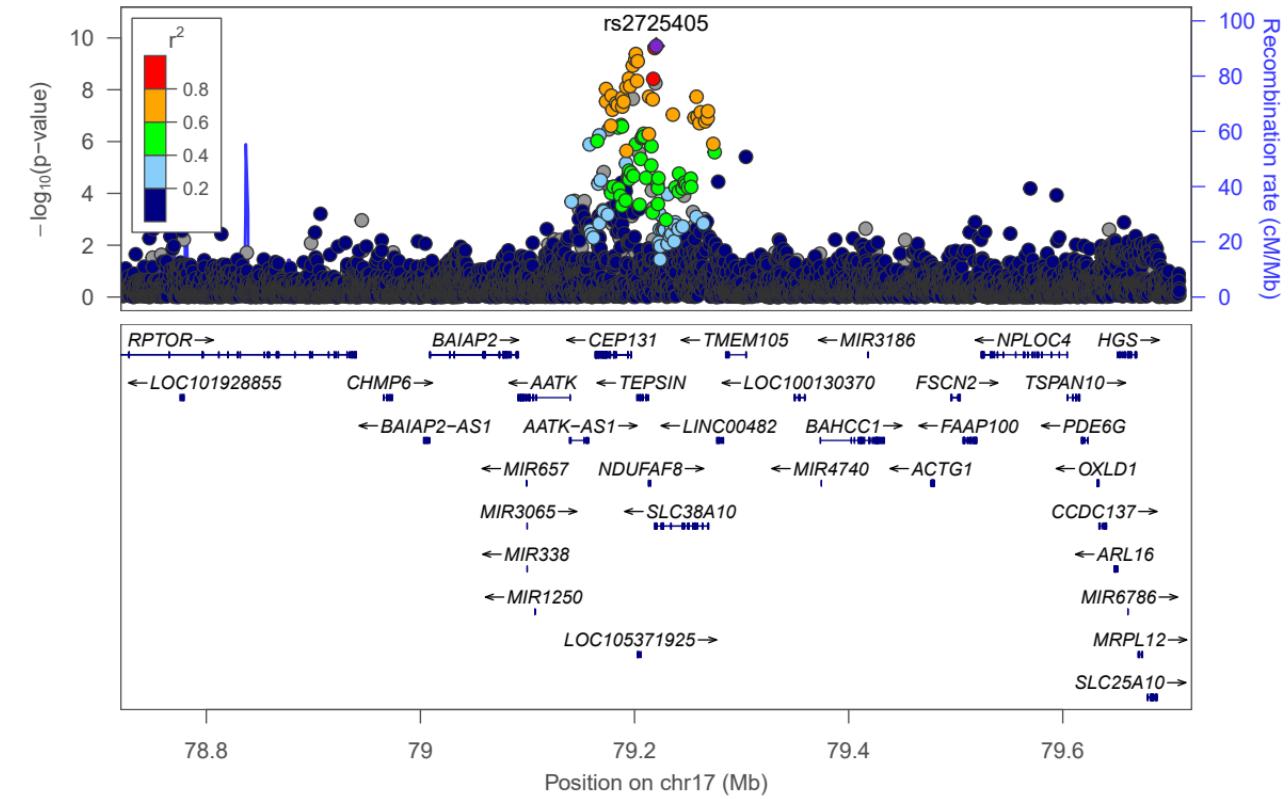
		95%-CI	Weight (fixed)	Weight (random)
		0.09 [0.05; 0.13]	47.5%	47.5%
		0.14 [0.07; 0.21]	14.8%	14.8%
		0.10 [-0.03; 0.23]	4.6%	4.6%
		0.06 [-0.04; 0.15]	8.1%	8.1%
		0.09 [0.00; 0.18]	9.7%	9.7%
		0.16 [0.02; 0.31]	3.7%	3.7%
		-0.02 [-0.17; 0.14]	3.0%	3.0%
		0.04 [-0.05; 0.14]	8.6%	8.6%
		0.09 [0.06;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

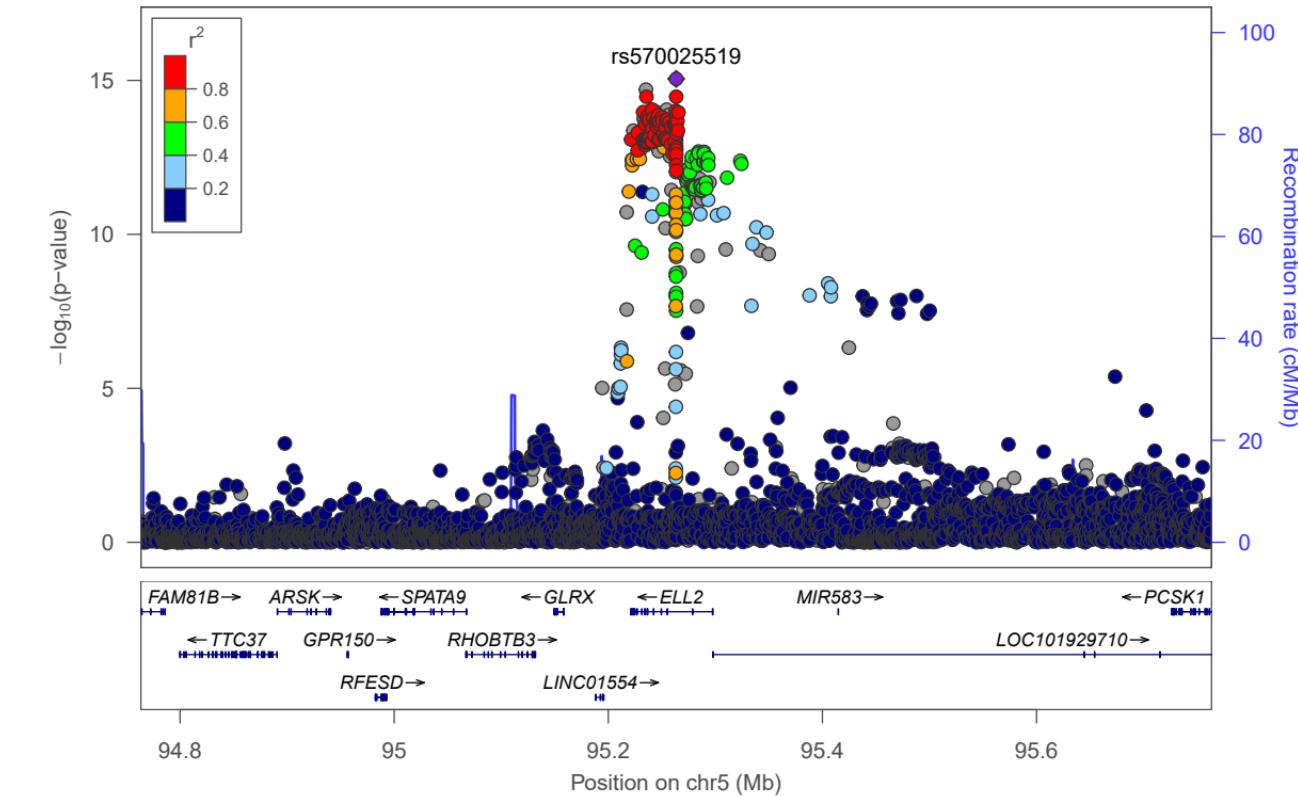
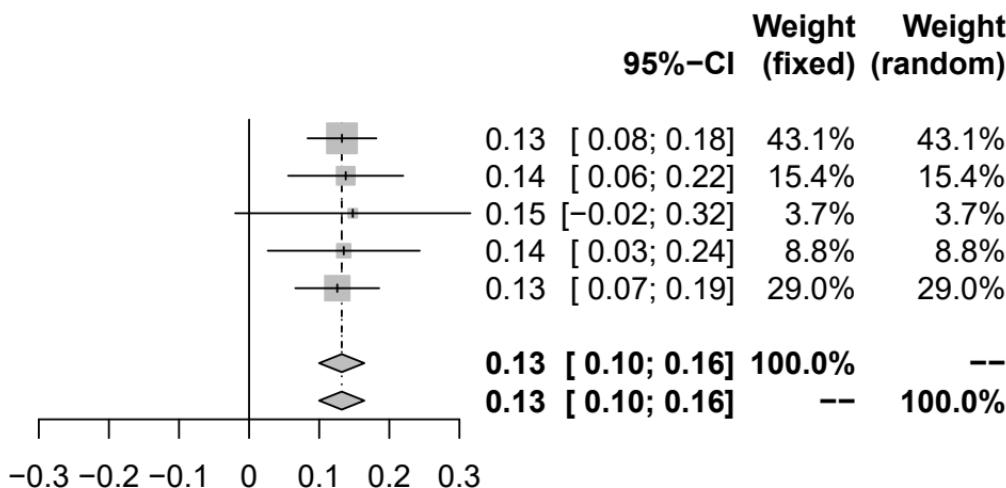
Study

	b	SE
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

Fixed effect model

Random effects model

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

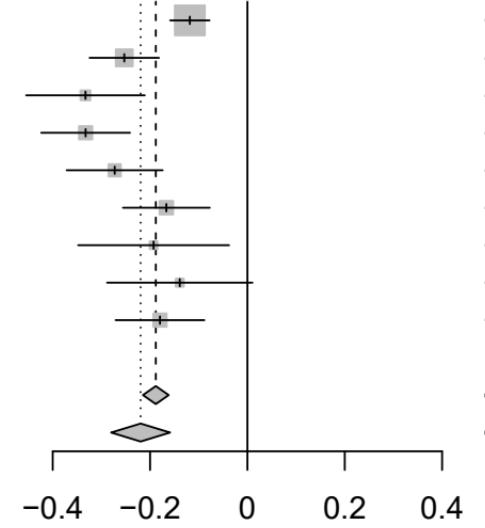


Study

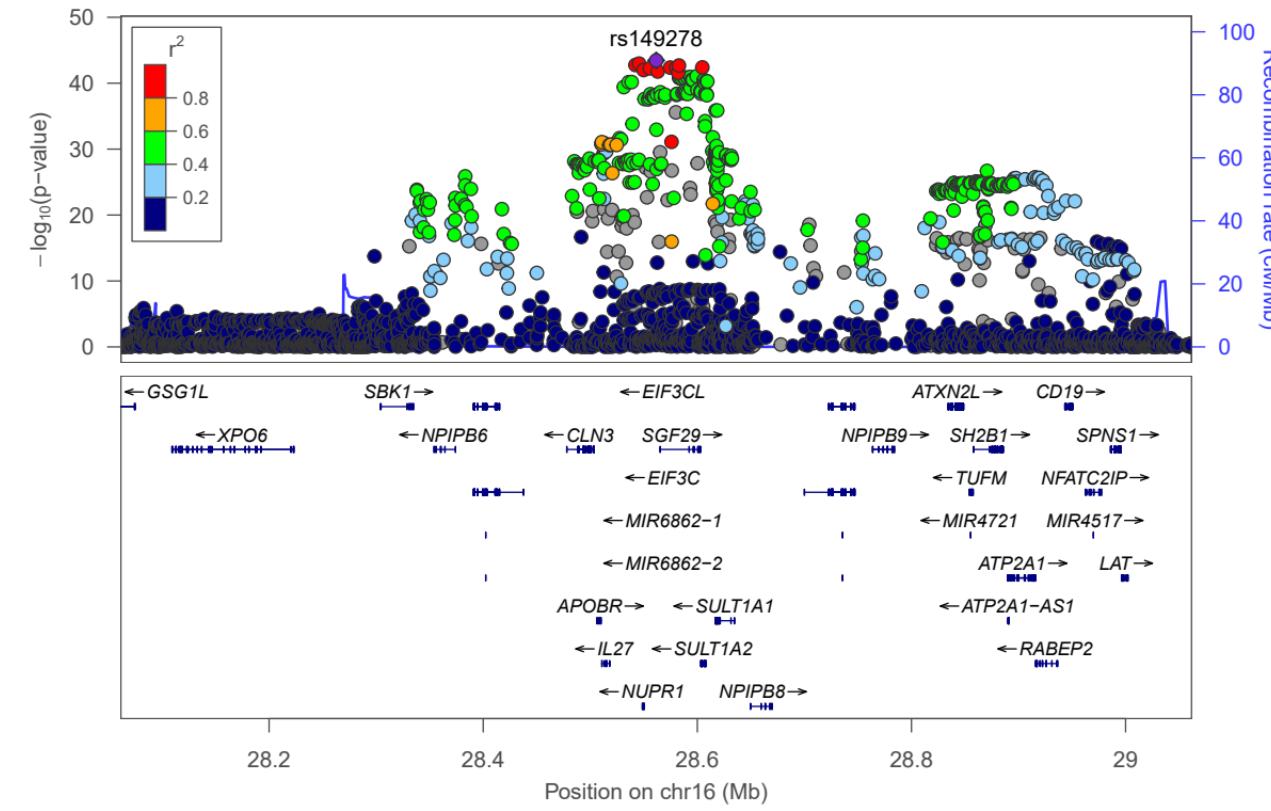
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (874)
ORCADES (982)
STANLEY (344)
STANLEY (300)
VIS (902)

b **SE**

-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 (SULT1A1)-rs149278



ST1A1 (SULT1A1)-rs66530140

ST1A1 [chr4:187161211_C_T (rs66530140) (T/C) N=10913]

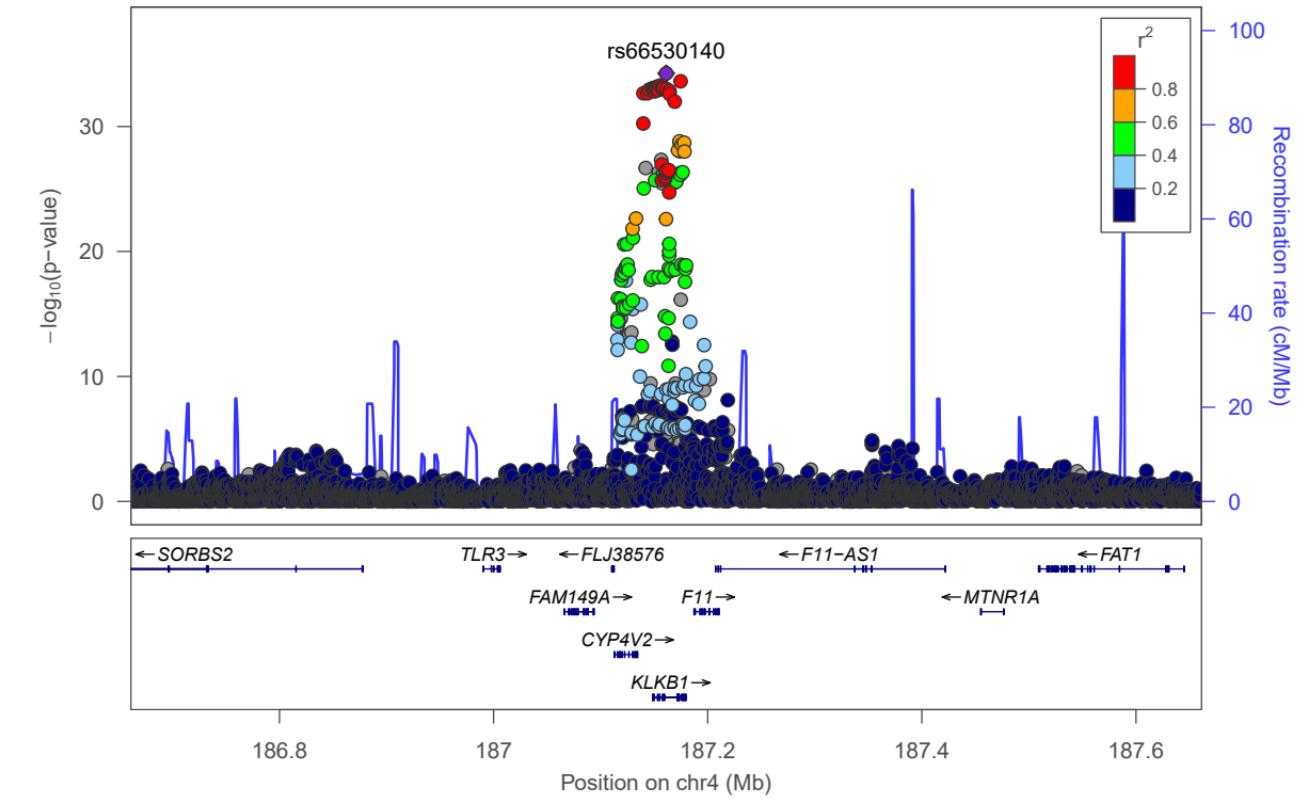
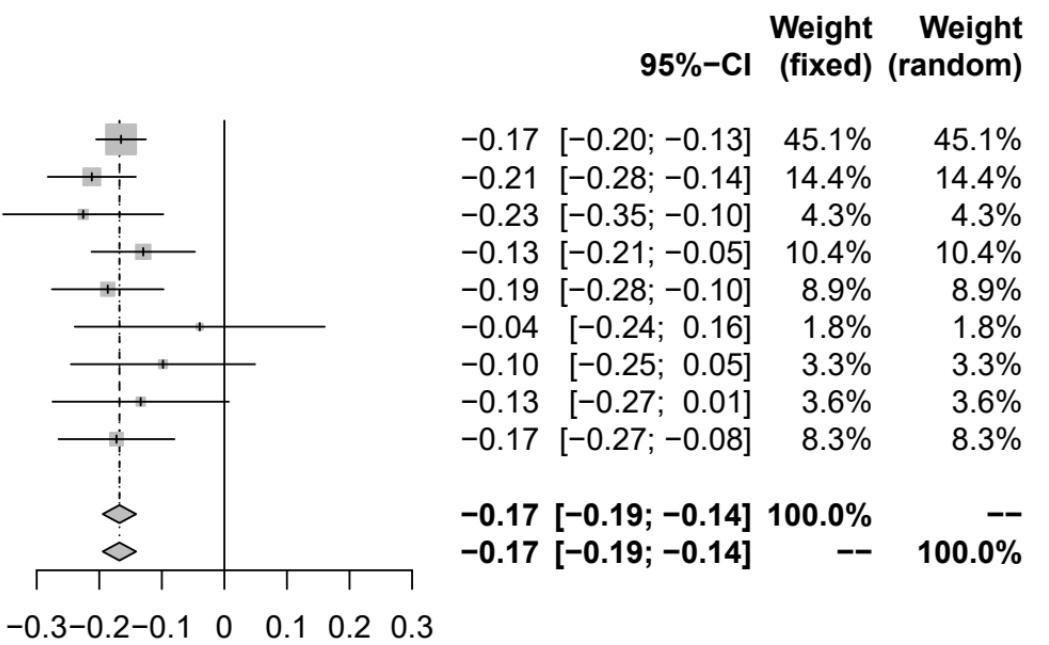
Study

	b	SE
INTERVAL (4896)	-0.17	0.0203
BioFinder (1496)	-0.21	0.0359
EGCUT (487)	-0.23	0.0653
KORA (1064)	-0.13	0.0422
ORCADES (982)	-0.19	0.0455
RECOMBINE (442)	-0.04	0.1019
STANLEY (344)	-0.10	0.0751
STANLEY (300)	-0.13	0.0719
VIS (902)	-0.17	0.0473

Fixed effect model

Random effects model

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

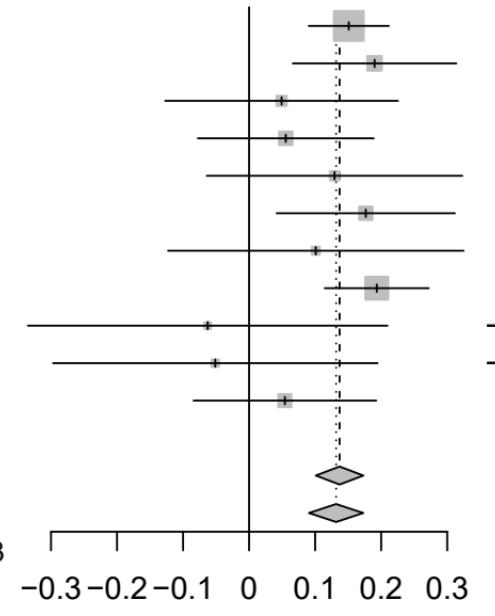


TGF-alpha [chr2:70774295_A_T (rs72912115) (A/T) N=14728]

Study

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

b SE

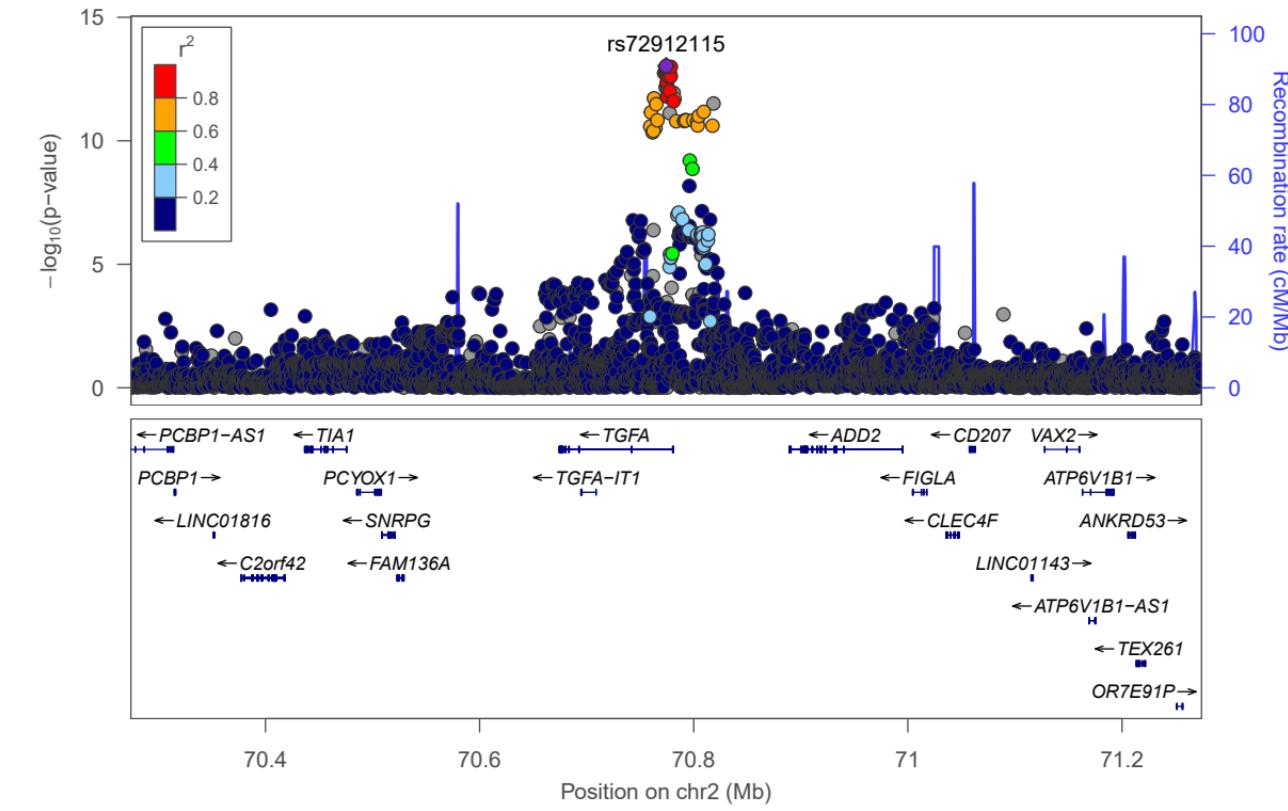


Weight (fixed) Weight (random)

	95%-CI	Weight (fixed)	Weight (random)
	0.15 [0.09; 0.21]	35.3%	28.5%
	0.19 [0.07; 0.31]	8.5%	9.6%
	0.05 [-0.13; 0.23]	4.2%	5.1%
	0.06 [-0.08; 0.19]	7.3%	8.4%
	0.13 [-0.06; 0.32]	3.5%	4.2%
	0.18 [0.04; 0.31]	7.1%	8.2%
	0.10 [-0.12; 0.32]	2.6%	3.2%
	0.19 [0.11; 0.27]	20.9%	20.0%
	-0.06 [-0.34; 0.21]	1.8%	2.2%
	-0.05 [-0.30; 0.19]	2.2%	2.7%
	0.05 [-0.08; 0.19]	6.8%	7.9%
Fixed effect model	0.14 [0.10; 0.17]	100.0%	--
Random effects model	0.13 [0.09; 0.17]	--	100.0%

Heterogeneity: $I^2 = 12\%$, $\tau^2 = 0.0006$, $p = 0.33$

TGF-alpha (TGFA)-rs72912115



TNFB (LTA)-rs7310615

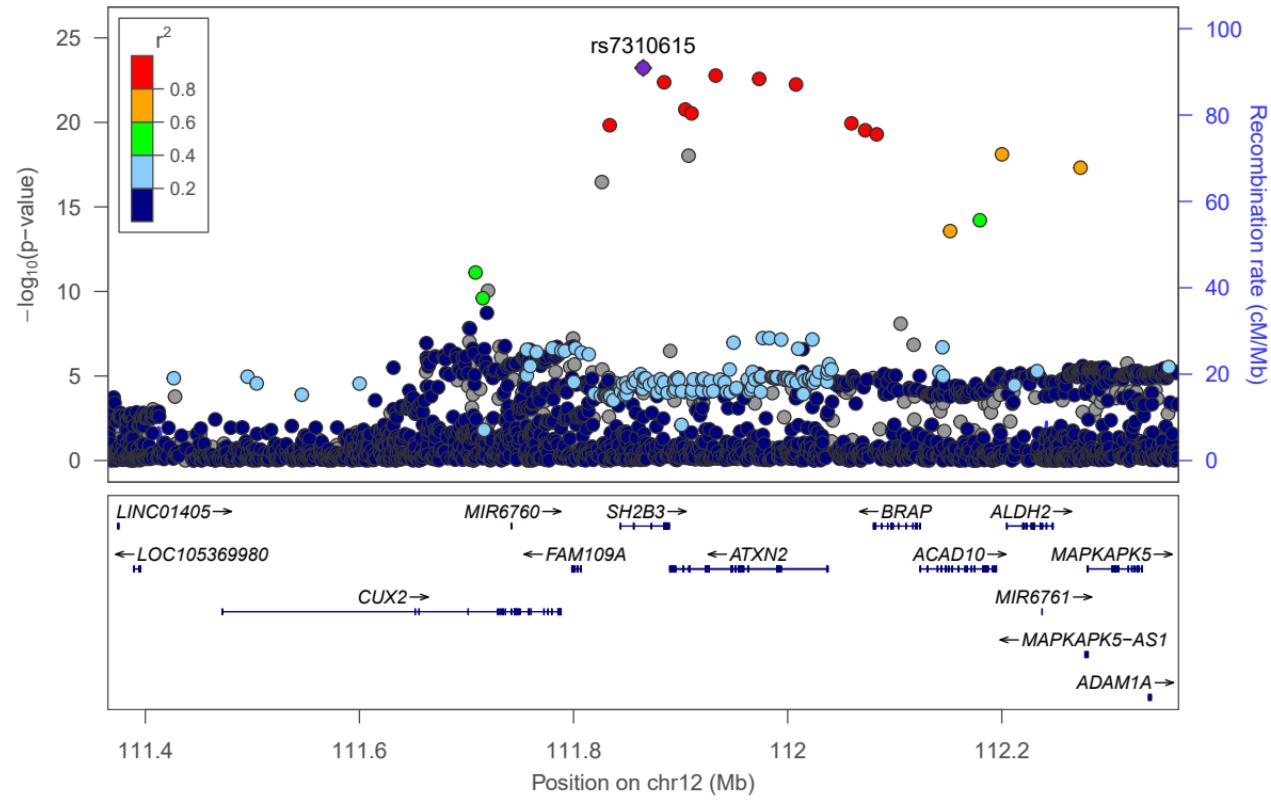
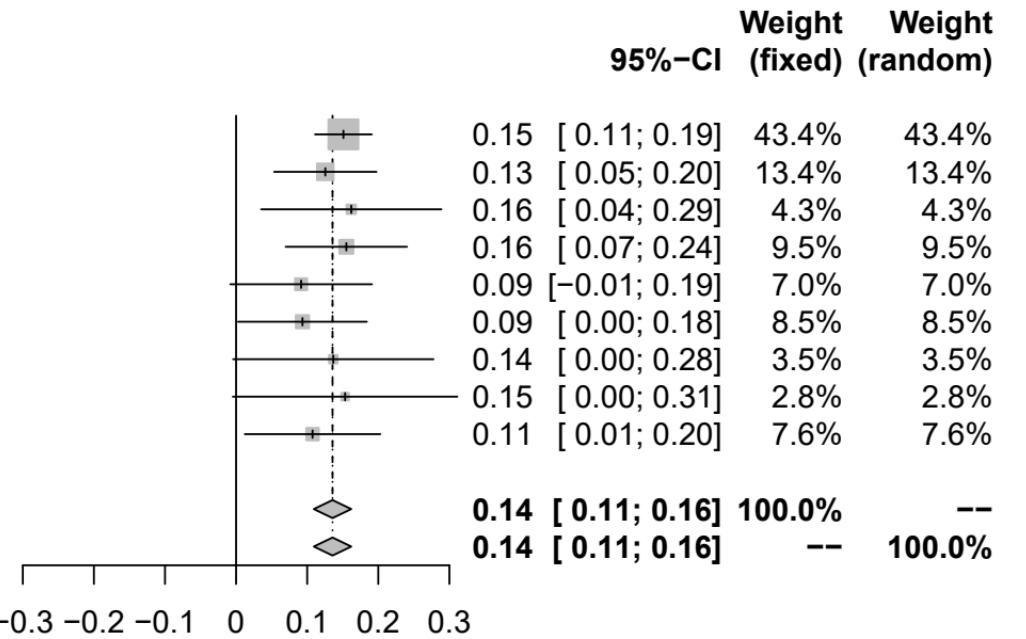
TNFB [chr12:111865049_C_G (rs7310615) (C/G) N=11344]

Study	b	SE
INTERVAL (4896)	0.15	0.0204
BioFinder (1496)	0.13	0.0368
EGCUT (487)	0.16	0.0647
KORA (1064)	0.16	0.0435
NSPHS (874)	0.09	0.0508
ORCADES (981)	0.09	0.0462
STANLEY (344)	0.14	0.0719
STANLEY (300)	0.15	0.0806
VIS (902)	0.11	0.0486

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.94$



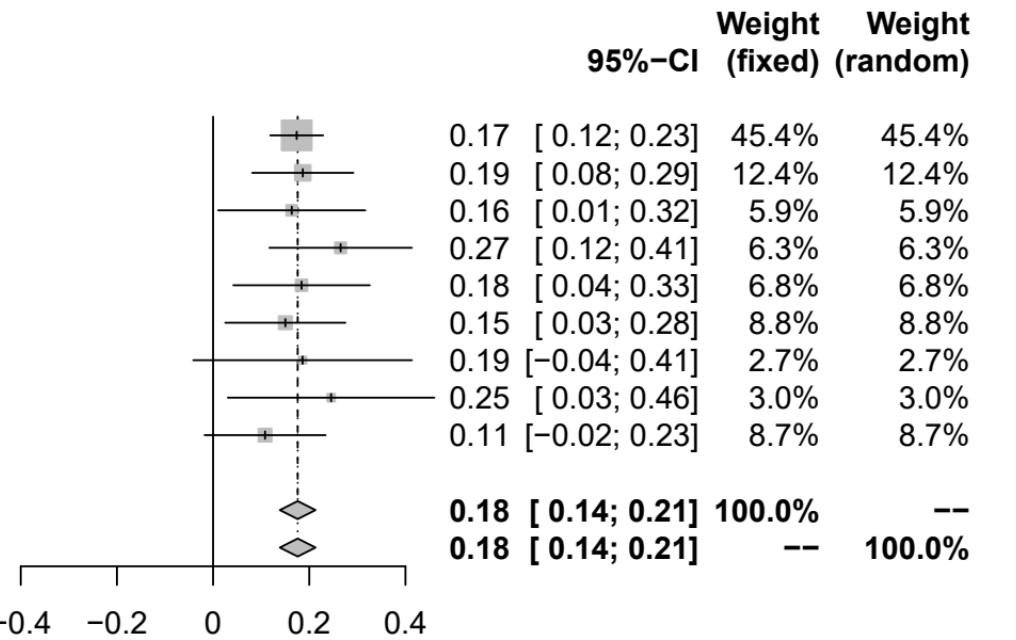
TNFB [chr12:6514963_A_C (rs2364485) (A/C) N=11344]

Study	b	SE
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

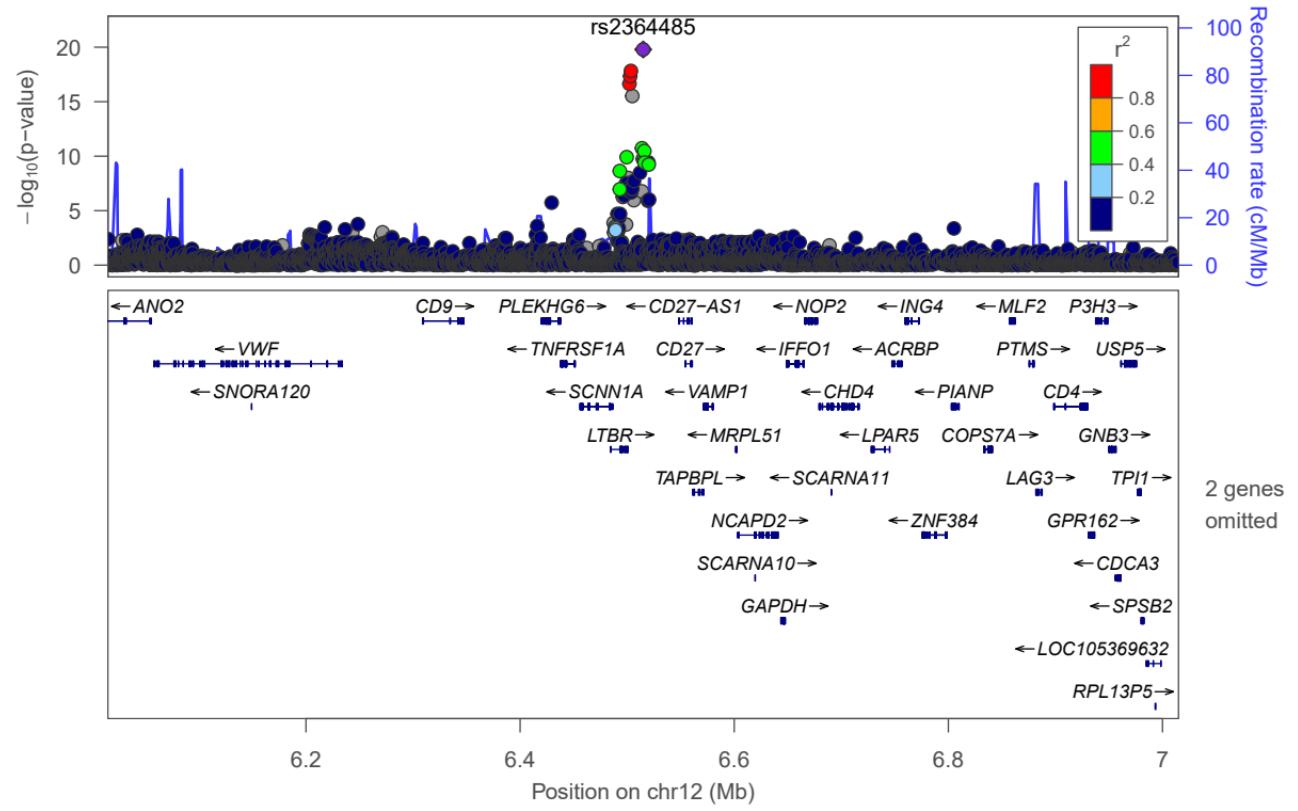
Fixed effect model

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]

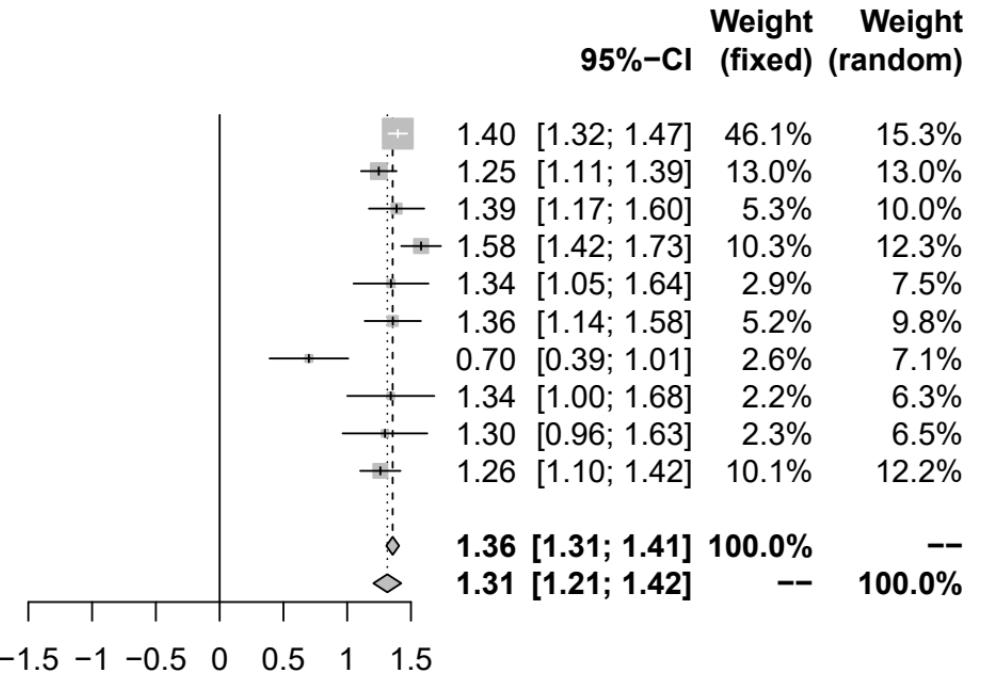
Study

	b	SE
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

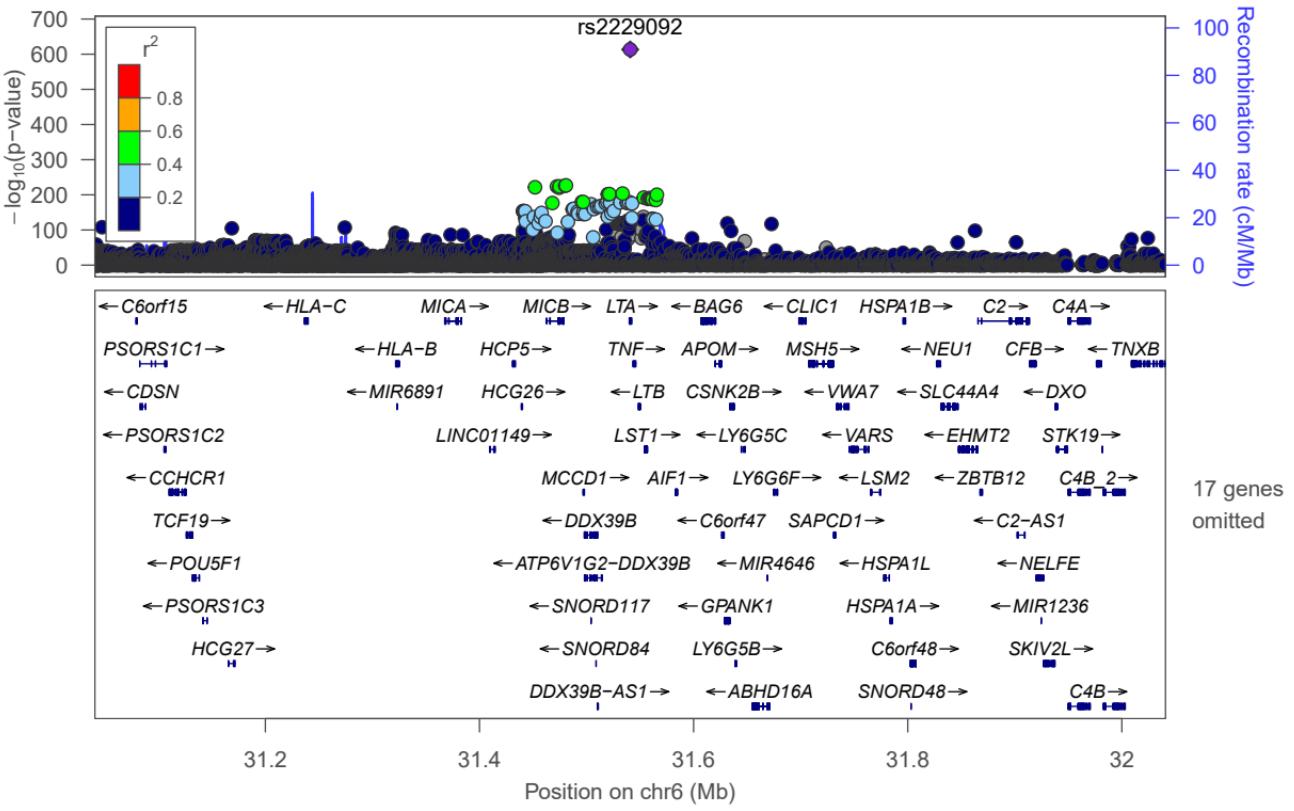
Fixed effect model

Random effects model

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



TNFB (LTA)-rs2229092



TNFRSF9 (TNFRSF9)-rs34557412

TNFRSF9 [chr17:16852187_A_G (rs34557412) (A/G) N=9867]

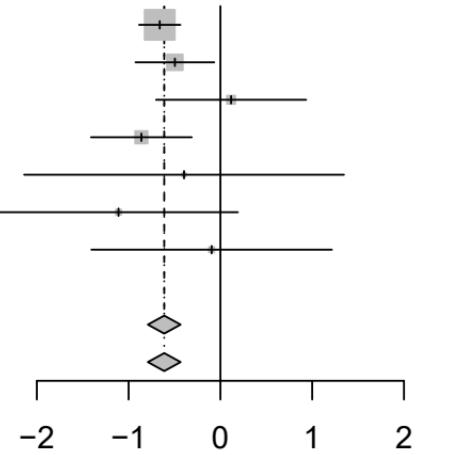
Study

	b	SE
INTERVAL (4896)	-0.66	0.1149
BioFinder (1496)	-0.50	0.2190
KORA (1064)	0.12	0.4174
NSPHS (866)	-0.86	0.2800
STANLEY (344)	-0.40	0.8889
STANLEY (300)	-1.11	0.6636
VIS (901)	-0.10	0.6686

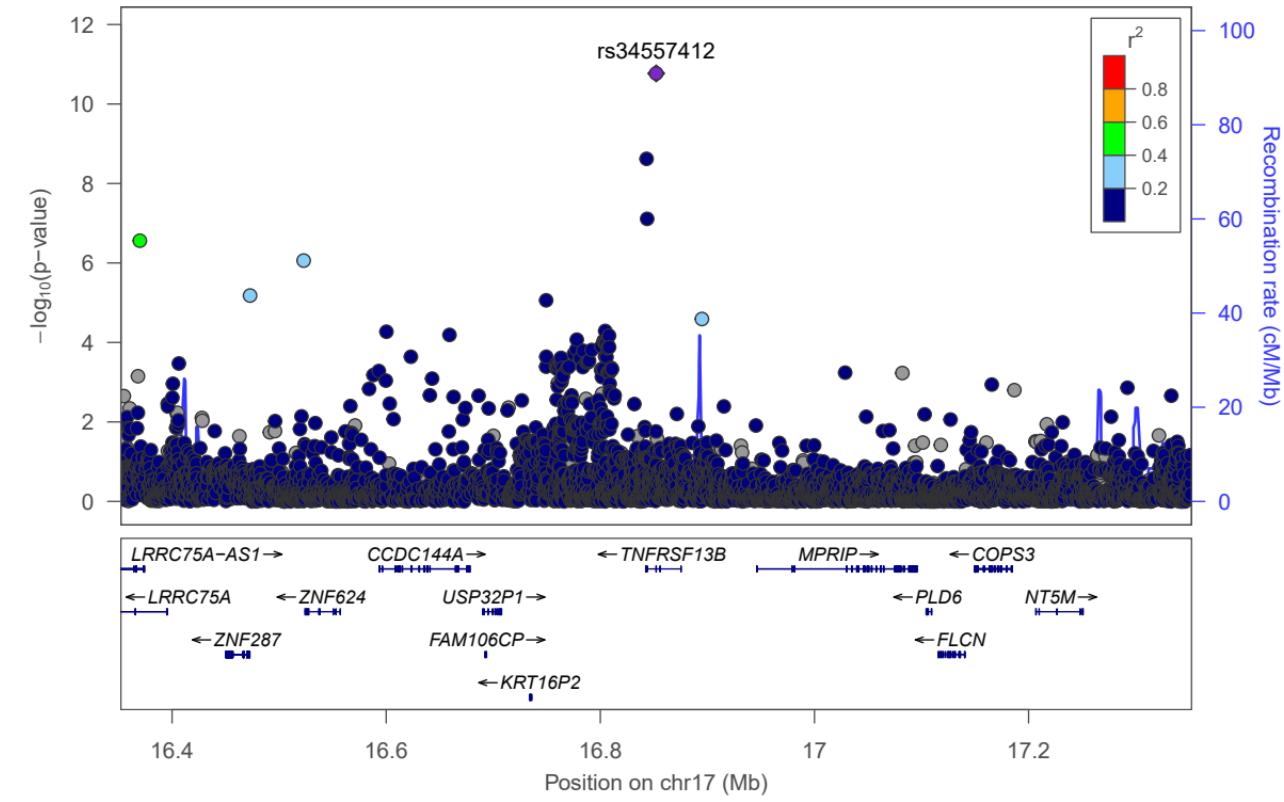
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.48$



	b	SE	95%-CI	Weight (fixed)	Weight (random)
	-0.66	0.1149	[-0.89; -0.44]	62.7%	62.7%
	-0.50	0.2190	[-0.93; -0.07]	17.2%	17.2%
	0.12	0.4174	[-0.70; 0.93]	4.7%	4.7%
	-0.86	0.2800	[-1.41; -0.31]	10.6%	10.6%
	-0.40	0.8889	[-2.14; 1.35]	1.0%	1.0%
	-1.11	0.6636	[-2.41; 0.19]	1.9%	1.9%
	-0.10	0.6686	[-1.41; 1.21]	1.9%	1.9%
	-0.61	[-0.79; -0.43]	100.0%	--	--
	-0.61	[-0.79; -0.43]	--	100.0%	



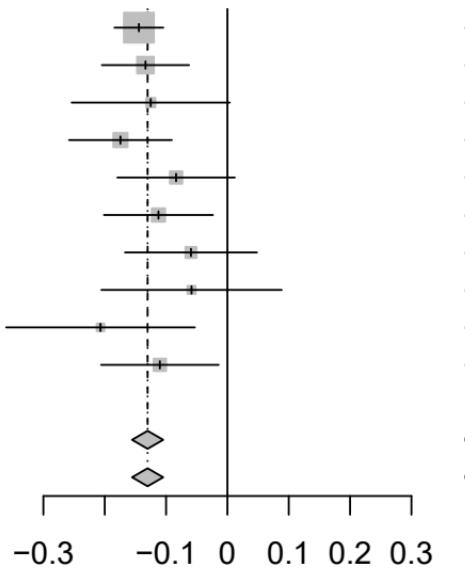
TNFRSF9 (TNFRSF9)-rs1776354

TNFRSF9 [chr1:7972201_A_G (rs1776354) (A/G) N=11784]

Study

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

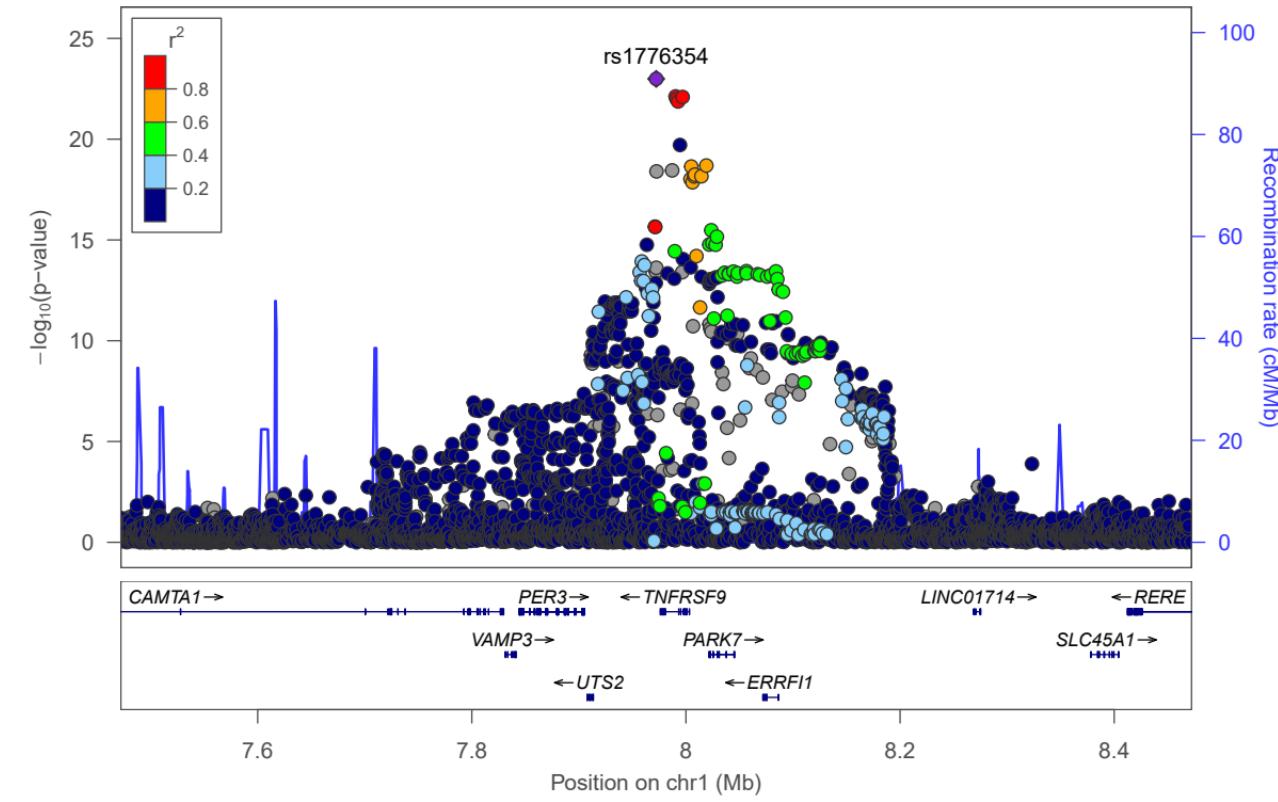
b SE



Fixed effect model
Random effects model

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.71$

		95%-CI	Weight (fixed)	Weight (random)
		-0.14 [-0.18; -0.10]	40.7%	40.7%
		-0.13 [-0.20; -0.06]	12.8%	12.8%
		-0.12 [-0.25; 0.00]	3.9%	3.9%
		-0.17 [-0.26; -0.09]	9.2%	9.2%
		-0.08 [-0.18; 0.01]	7.0%	7.0%
		-0.11 [-0.20; -0.02]	8.2%	8.2%
		-0.06 [-0.17; 0.05]	5.6%	5.6%
		-0.06 [-0.21; 0.09]	3.0%	3.0%
		-0.21 [-0.36; -0.05]	2.7%	2.7%
		-0.11 [-0.21; -0.01]	7.0%	7.0%
		-0.13 [-0.16; -0.10]	100.0%	--
		-0.13 [-0.16; -0.10]	--	100.0%



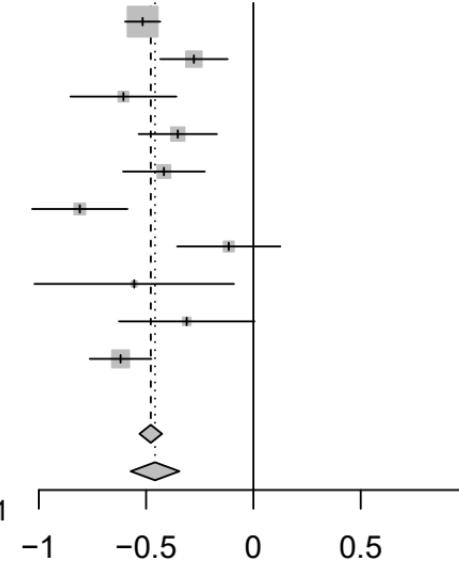
TNFSF14 (TNFSF14)-rs344562

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

Study

Study	b	SE
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

b SE

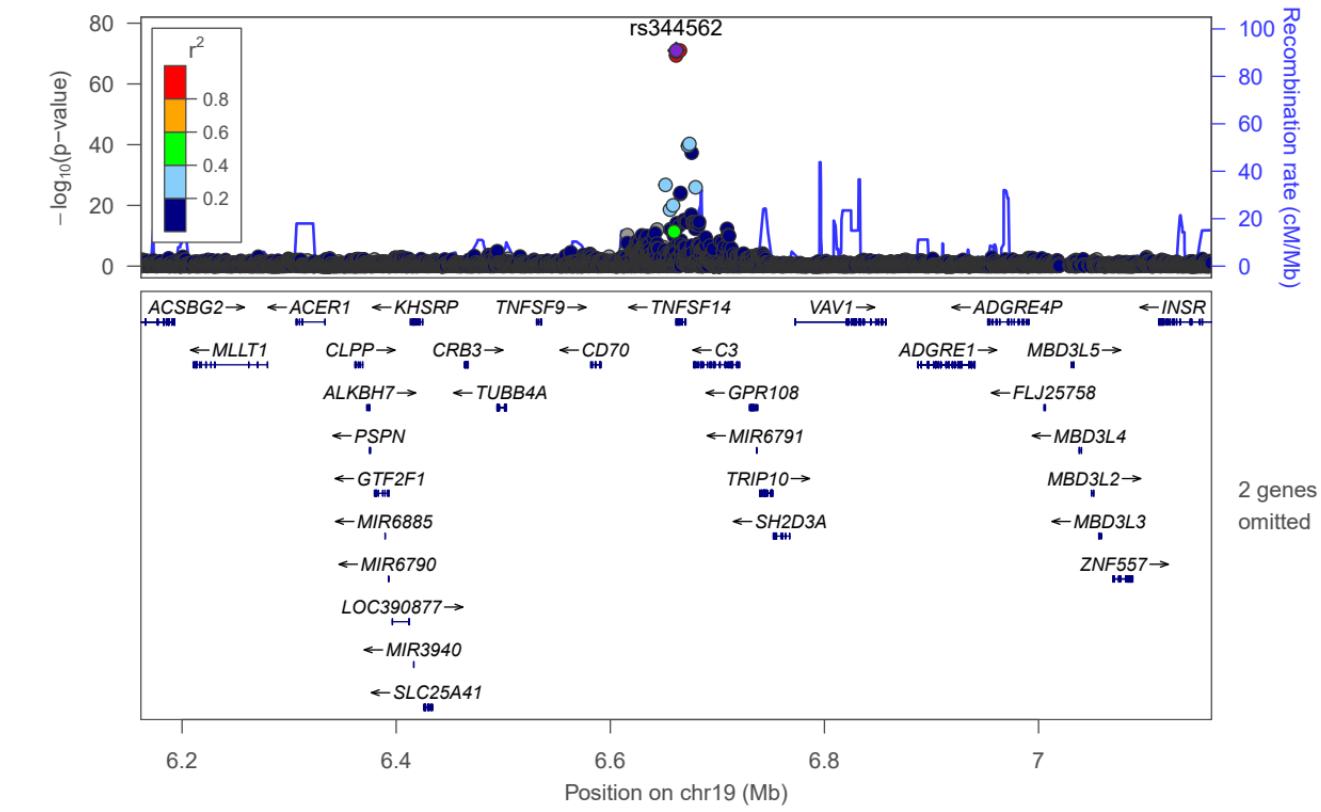


		Weight (fixed)	Weight (random)
	-0.52 [-0.60; -0.43]	41.0%	14.4%
	-0.28 [-0.43; -0.12]	11.1%	12.0%
	-0.61 [-0.85; -0.36]	4.5%	9.0%
	-0.35 [-0.53; -0.17]	8.2%	11.1%
	-0.42 [-0.61; -0.23]	7.6%	10.8%
	-0.81 [-1.03; -0.59]	5.5%	9.7%
	-0.11 [-0.36; 0.13]	4.7%	9.2%
	-0.56 [-1.02; -0.09]	1.3%	4.3%
	-0.31 [-0.63; 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: $I^2 = 72\%$, $\tau^2 = 0.0215$, $p < 0.01$



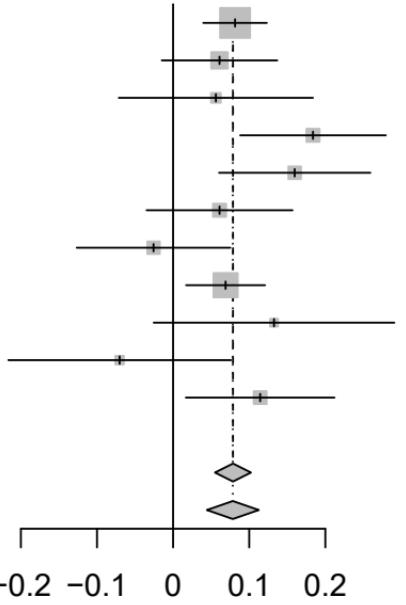
TRAIL [chr11:61549025_A_G (rs174533) (A/G) N=14732]

Study

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

b SE

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



Weight
95%-CI

32.0% [0.04; 0.12]
9.7% [-0.01; 0.14]
3.4% [-0.07; 0.18]
6.1% [0.09; 0.28]
5.7% [0.06; 0.26]
6.1% [-0.03; 0.16]
5.5% [-0.13; 0.08]
20.8% [0.02; 0.12]
2.2% [-0.03; 0.29]
2.6% [-0.22; 0.08]
5.9% [0.02; 0.21]

Weight
(fixed)

18.2%
11.2%
5.6%
8.4%
8.0%
8.4%
7.8%
15.8%
3.9%
4.5%
8.2%

Weight
(random)

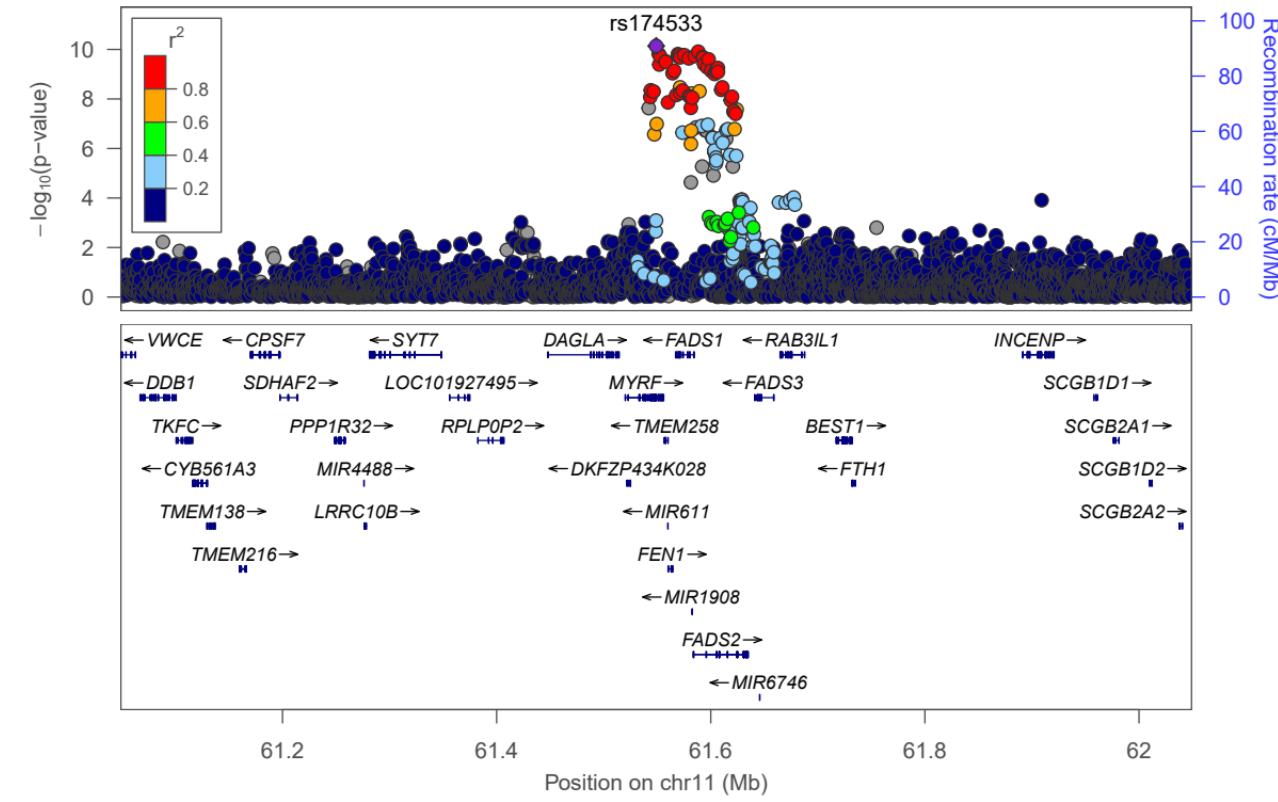
--

--

--

--

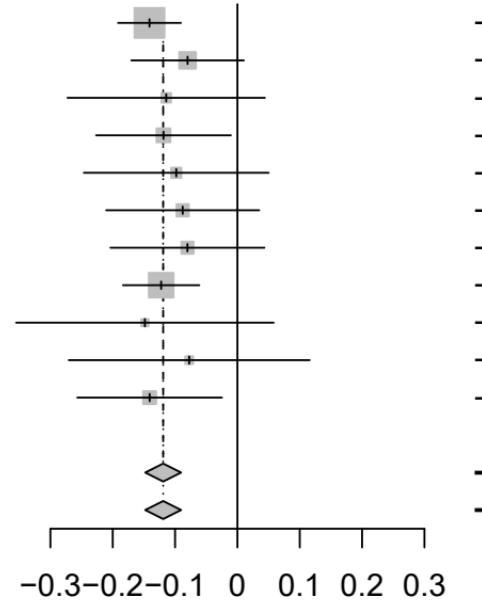
TRAIL (TNFSF10)-rs174533



Study

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

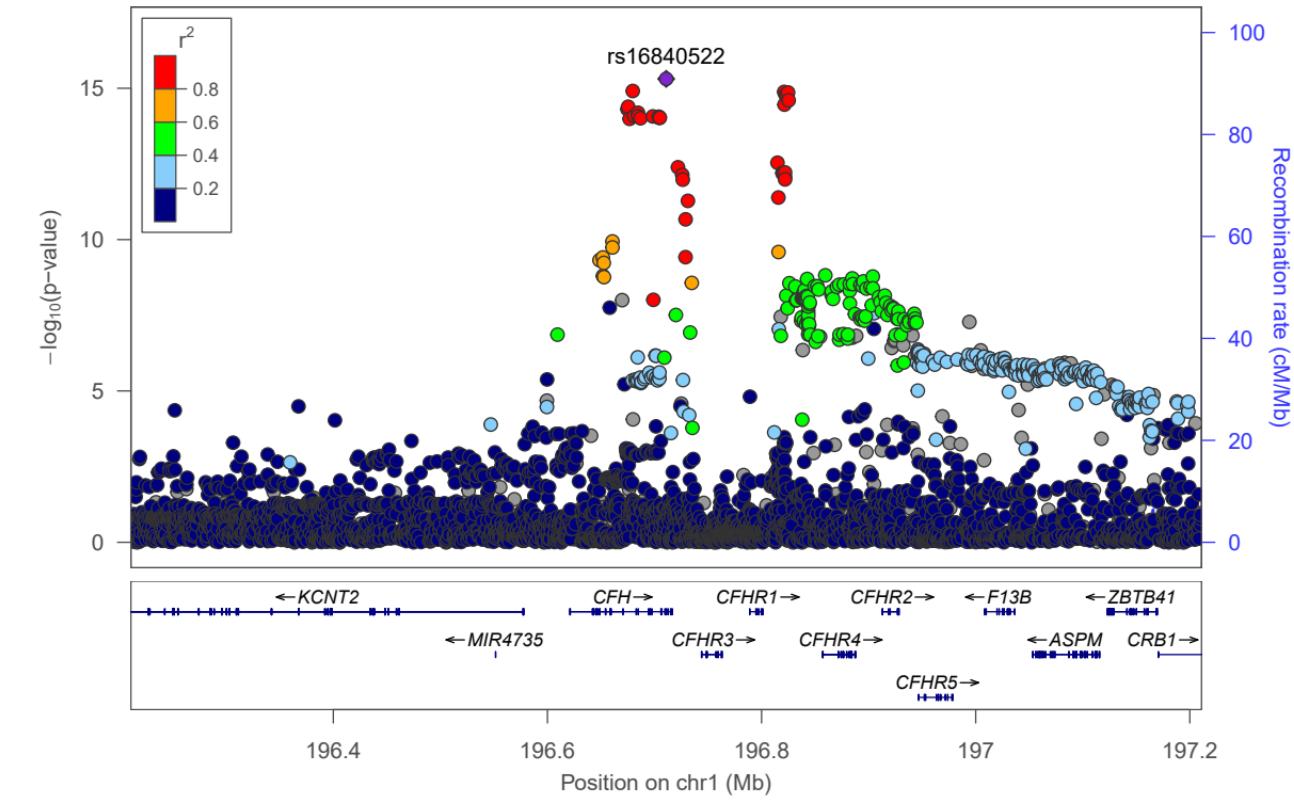
TRAIL [chr1:196710916_C_T (rs16840522) (T/C) N=14725]

b**SE**

		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%

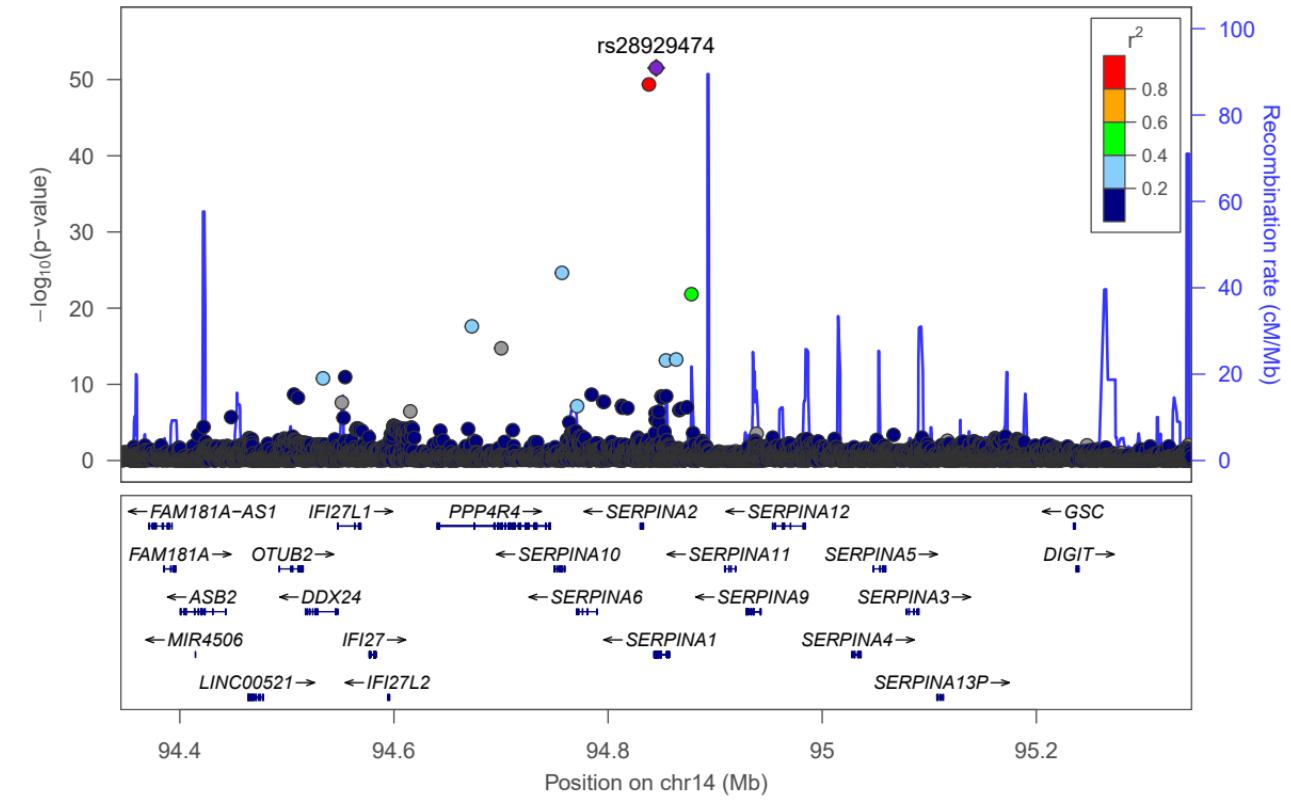
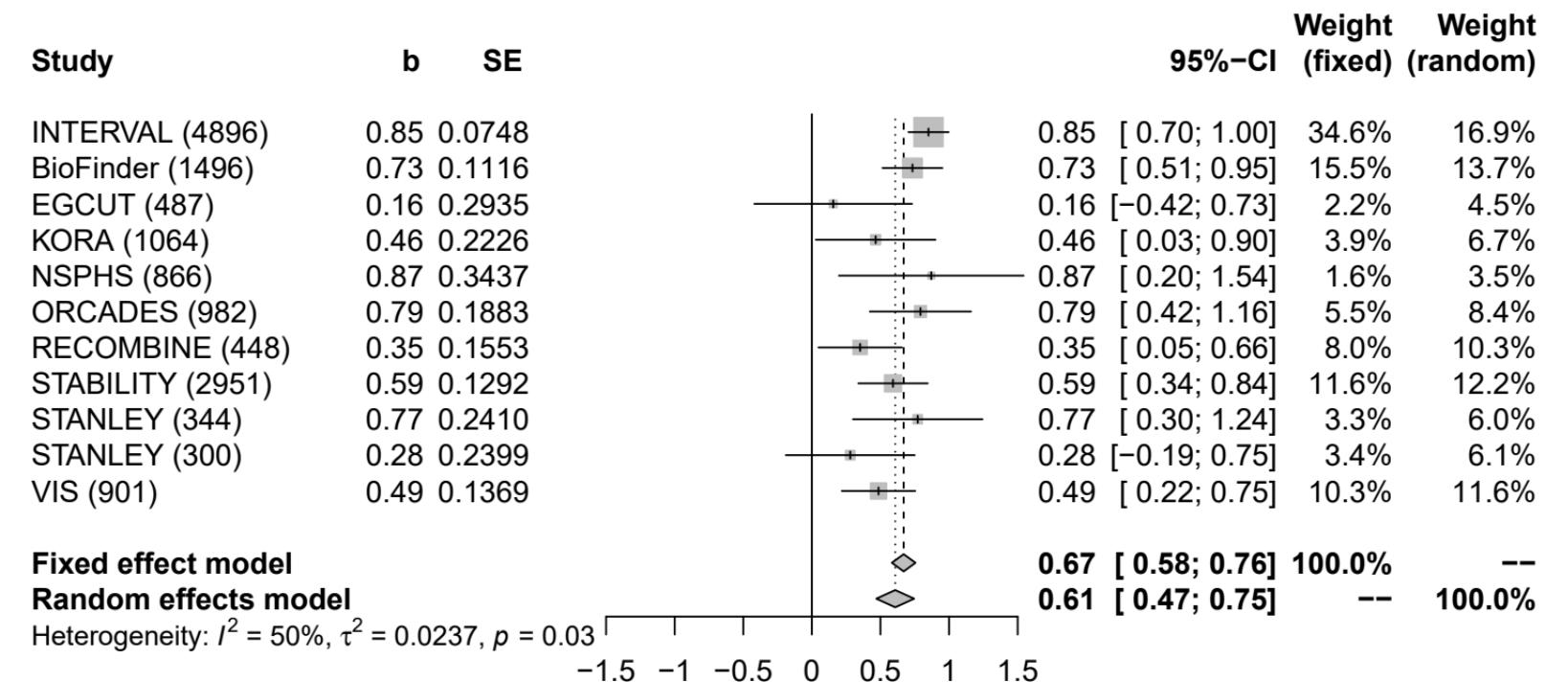
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.99$

TRAIL (TNFSF10)-rs16840522



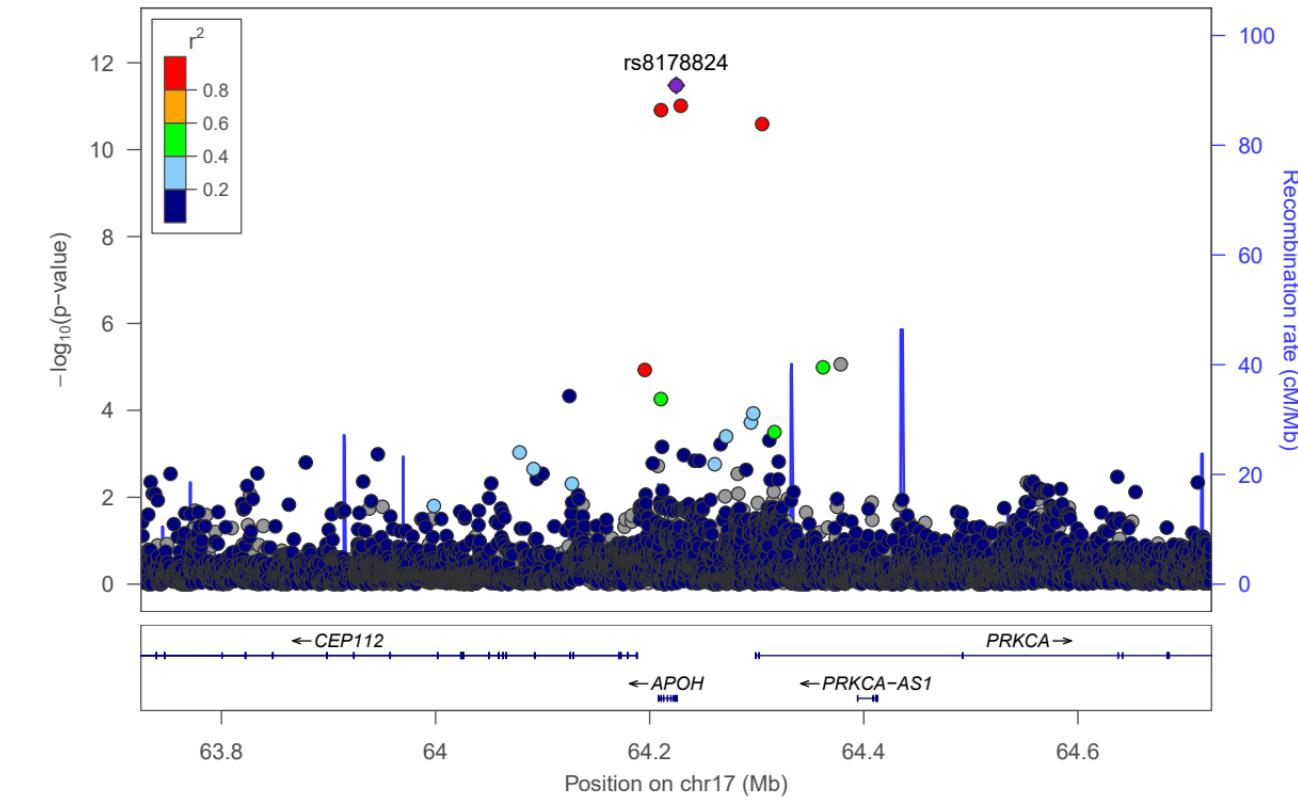
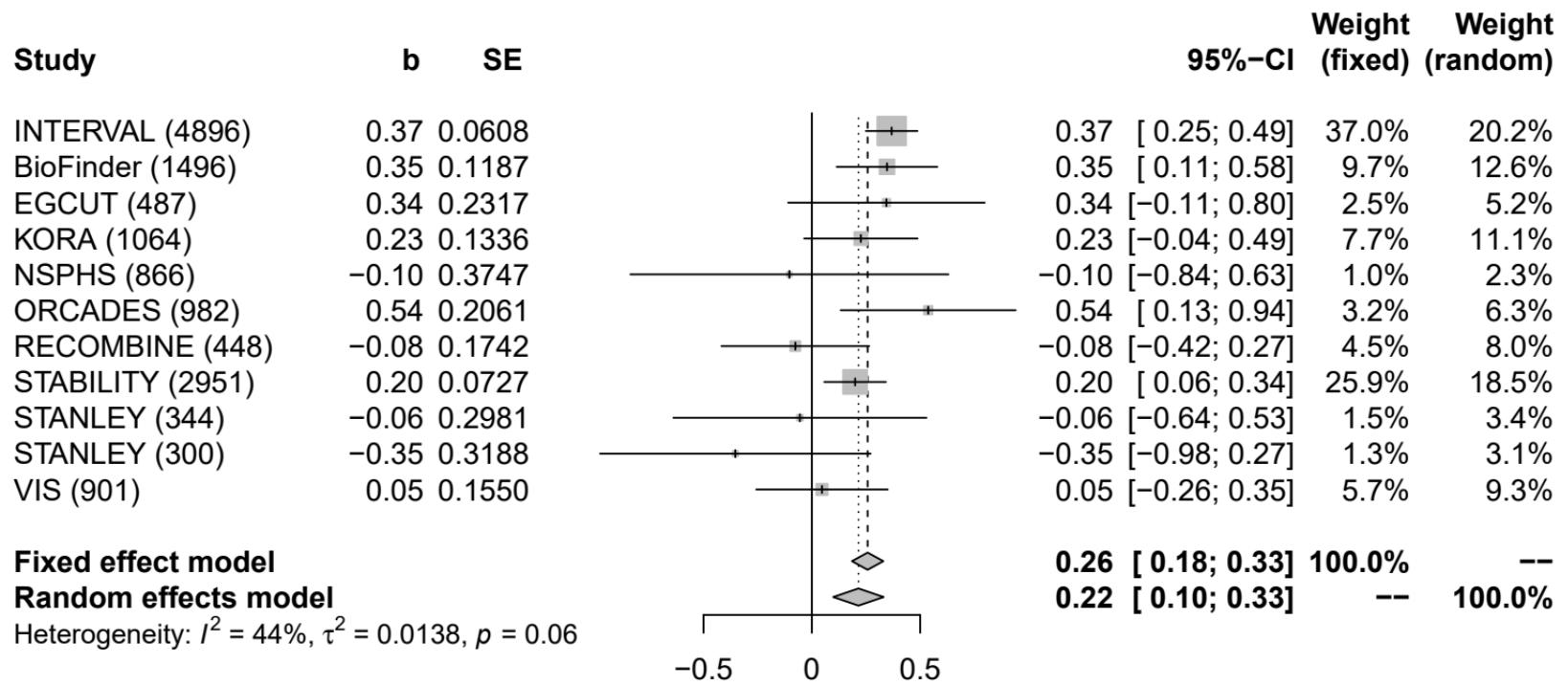
TRAIL (TNFSF10)-rs28929474

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



TRAIL (TNFSF10)-rs8178824

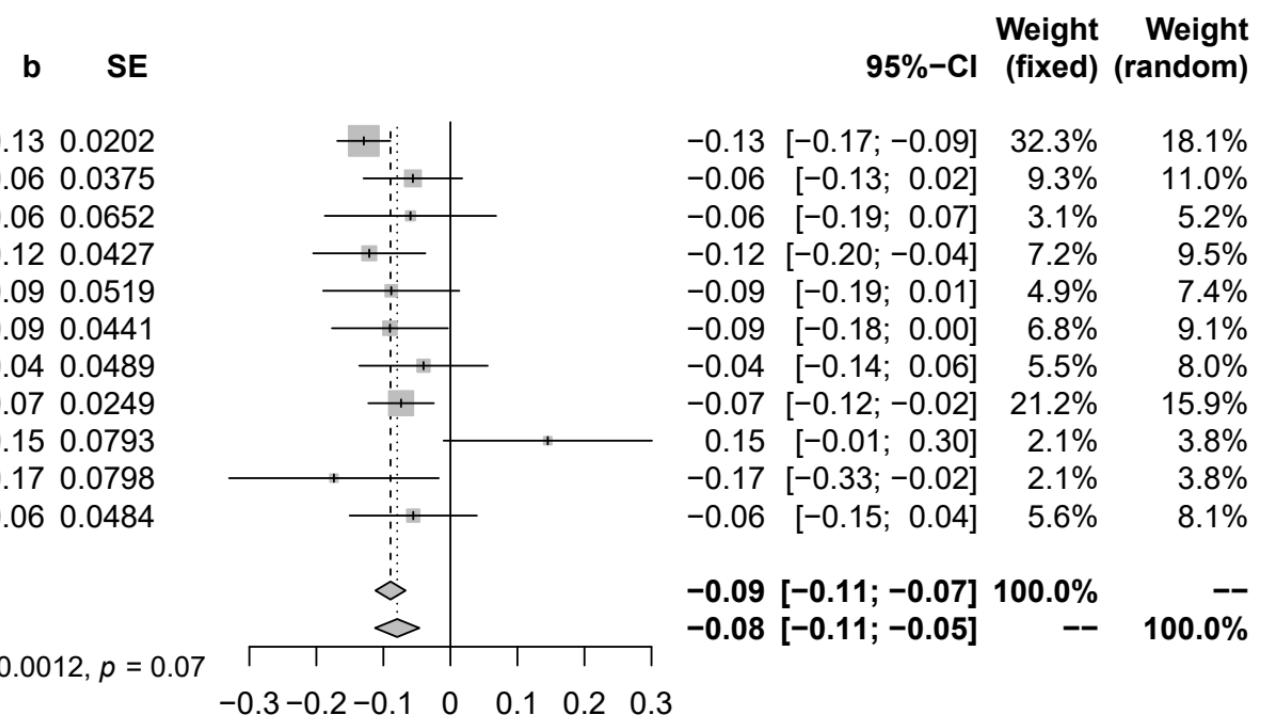
TRAIL [chr17:64224775_C_T (rs8178824) (T/C) N=14735]



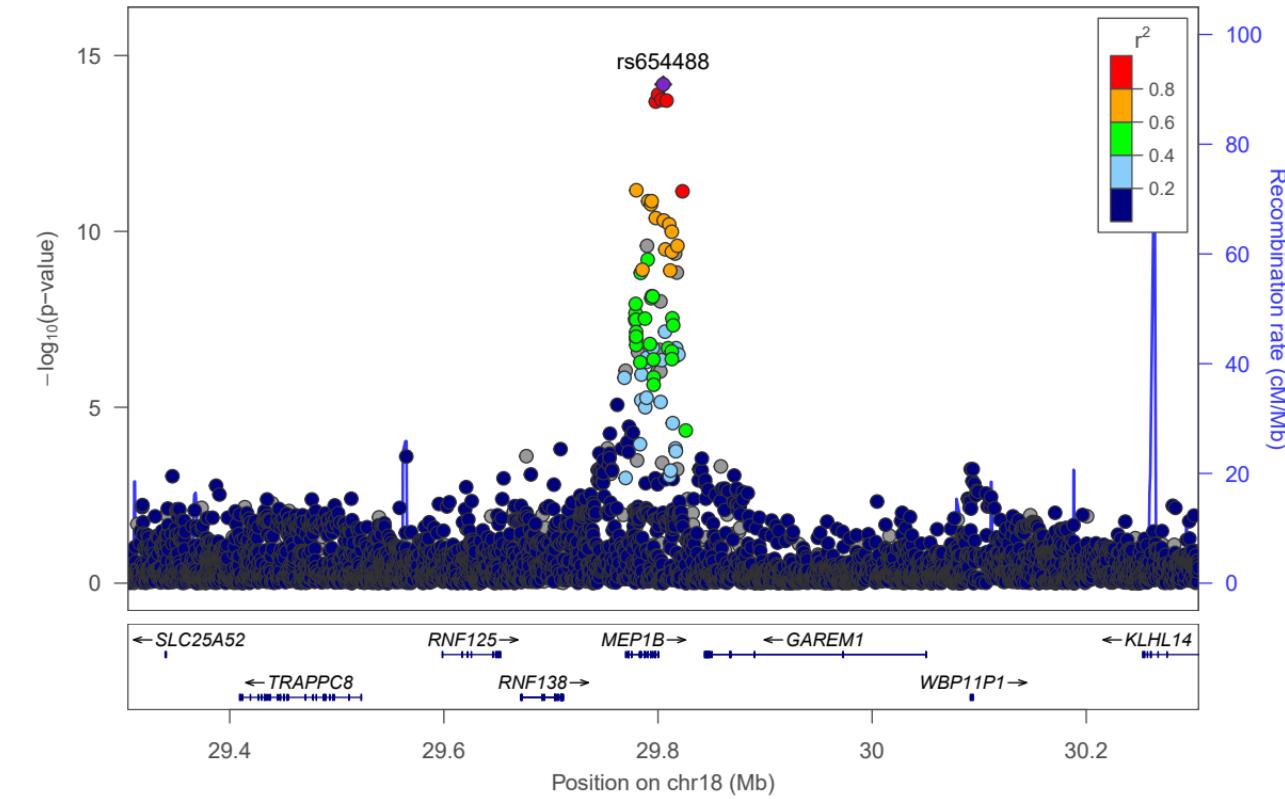
Study

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

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



TRAIL (TNFSF10)-rs654488



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

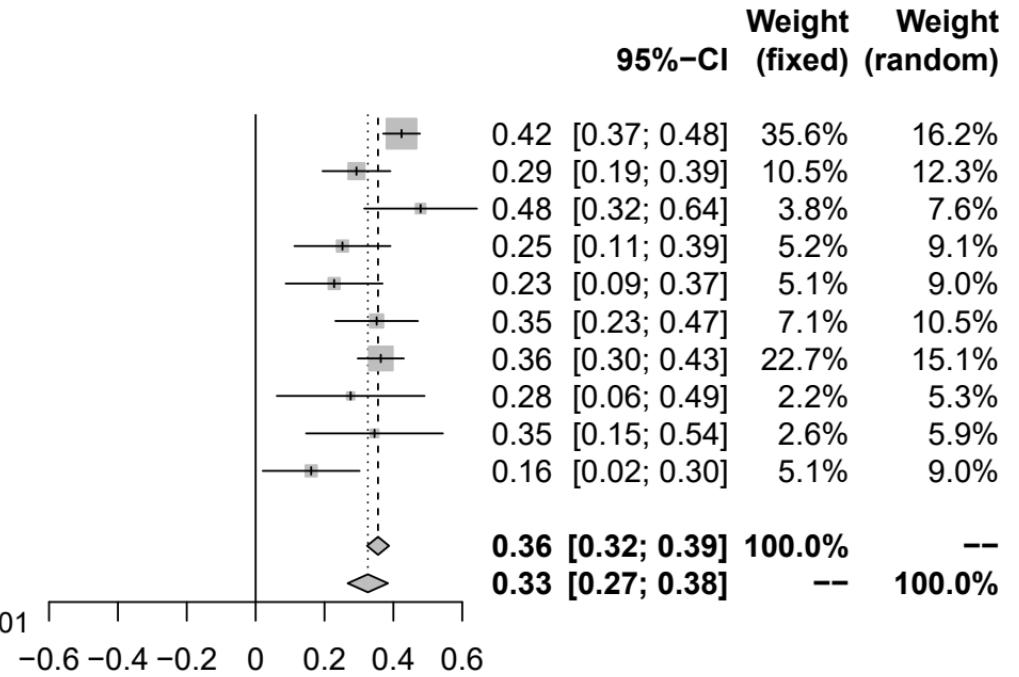
Study

	b	SE
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

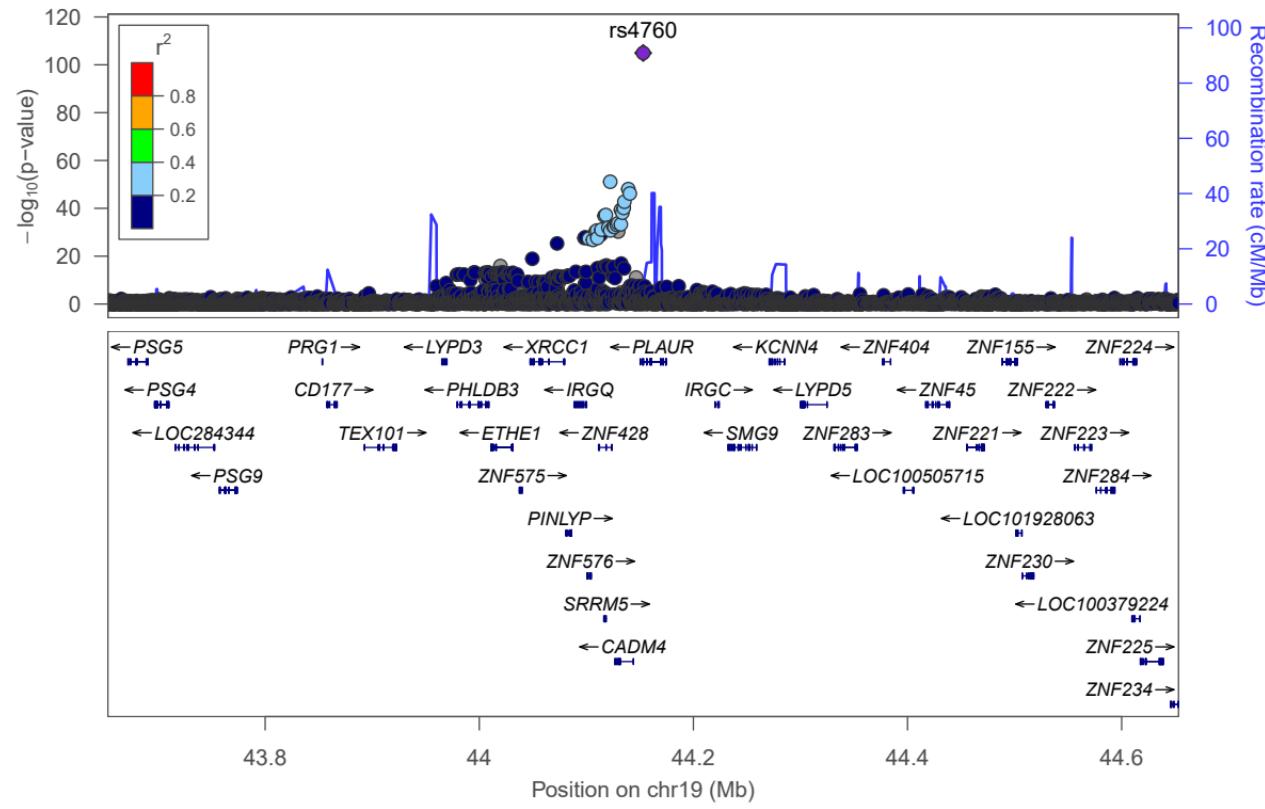
Fixed effect model

Random effects model

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



TRAIL (TNFSF10)-rs4760



TRAIL (TNFSF10)-rs574044675

TRAIL [chr3:172274232_A_C (rs574044675) (A/C) N=13173]

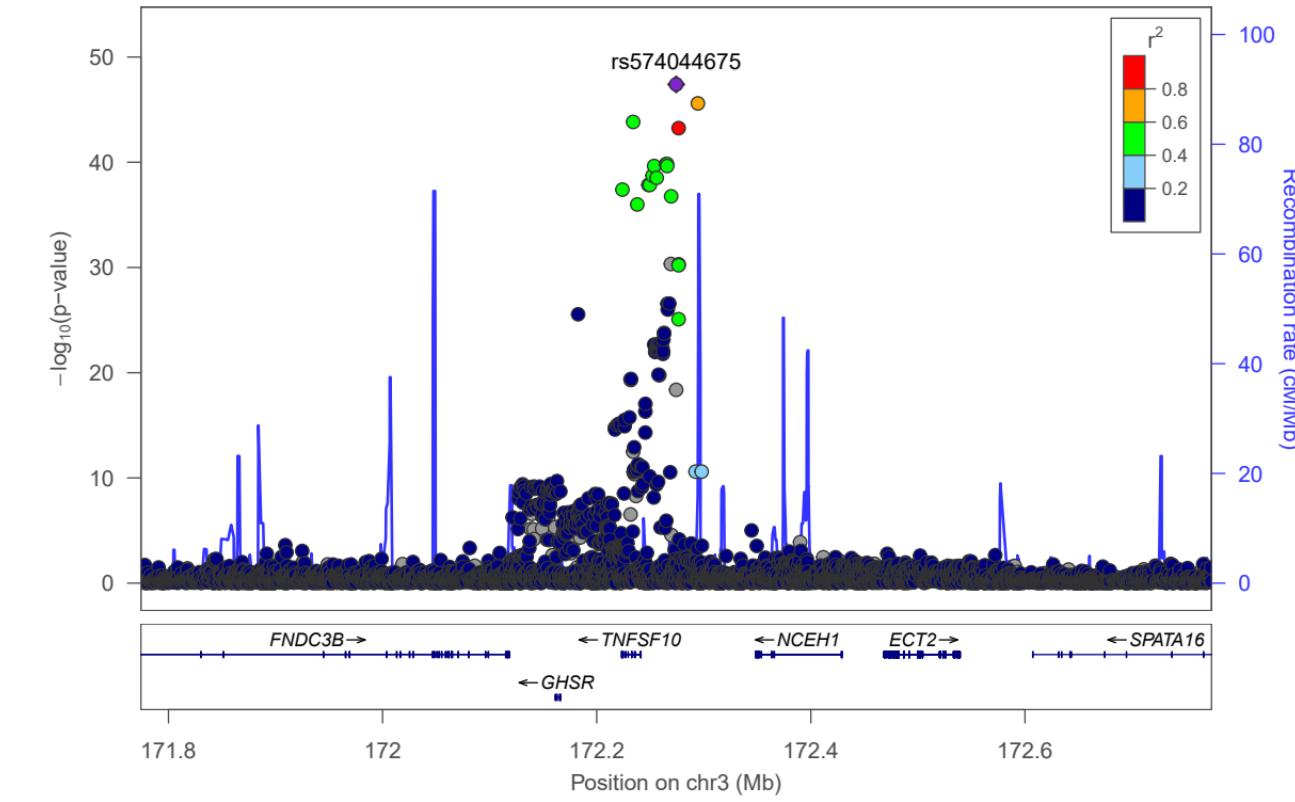
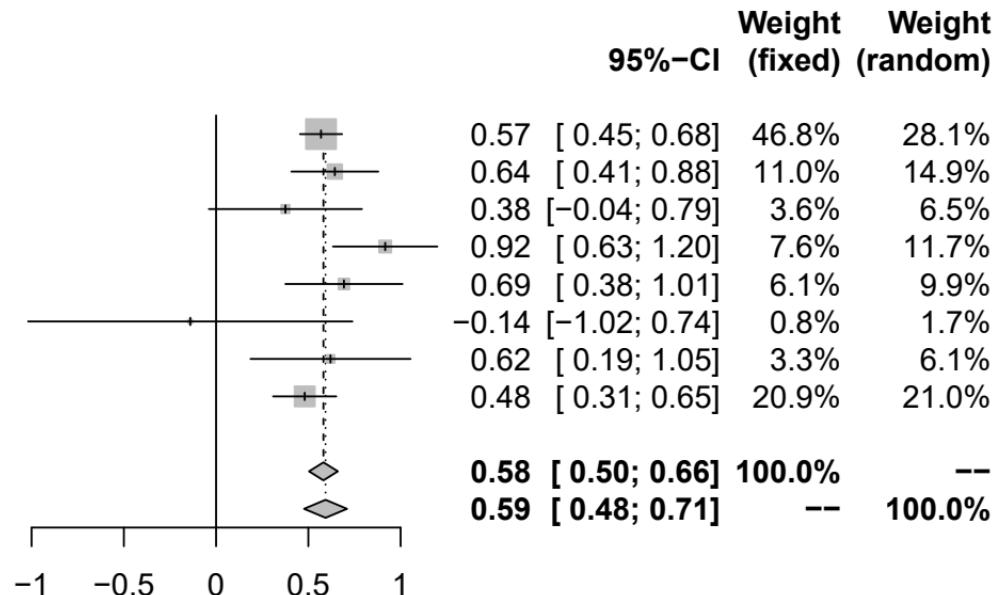
Study

	b	SE
INTERVAL (4896)	0.57	0.0583
BioFinder (1496)	0.64	0.1202
EGCUT (487)	0.38	0.2117
KORA (1064)	0.92	0.1444
NSPHS (866)	0.69	0.1621
ORCADES (982)	-0.14	0.4485
RECOMBINE (431)	0.62	0.2213
STABILITY (2951)	0.48	0.0874

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 37\%$, $\tau^2 = 0.0091$, $p = 0.14$



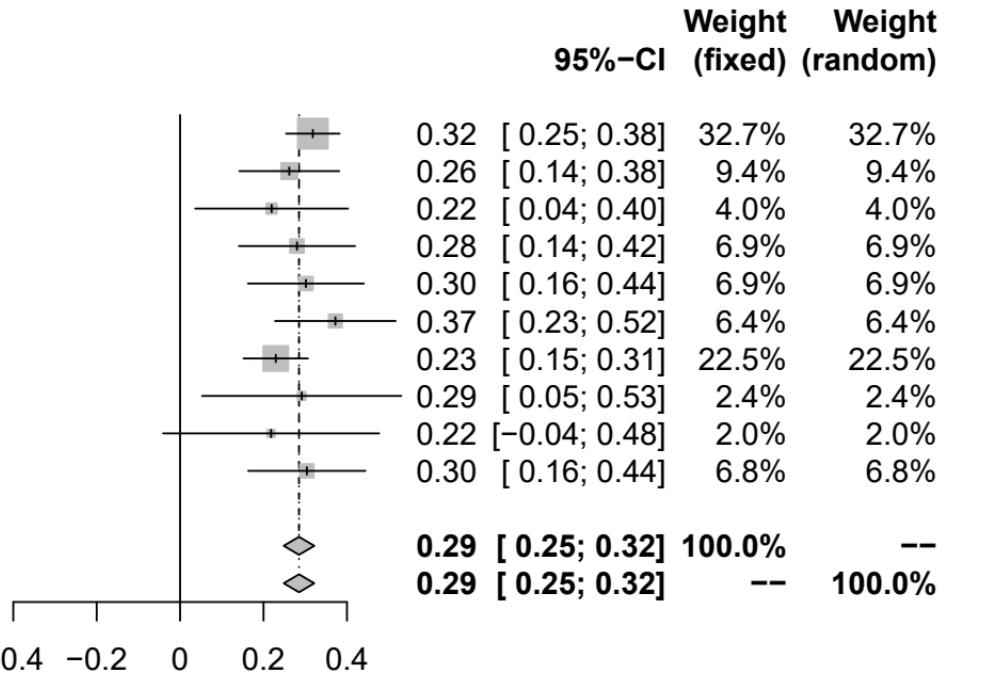
TRAIL [chr3:186449122_A_G (rs5030044) (A/G) N=14287]

Study	b	SE
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

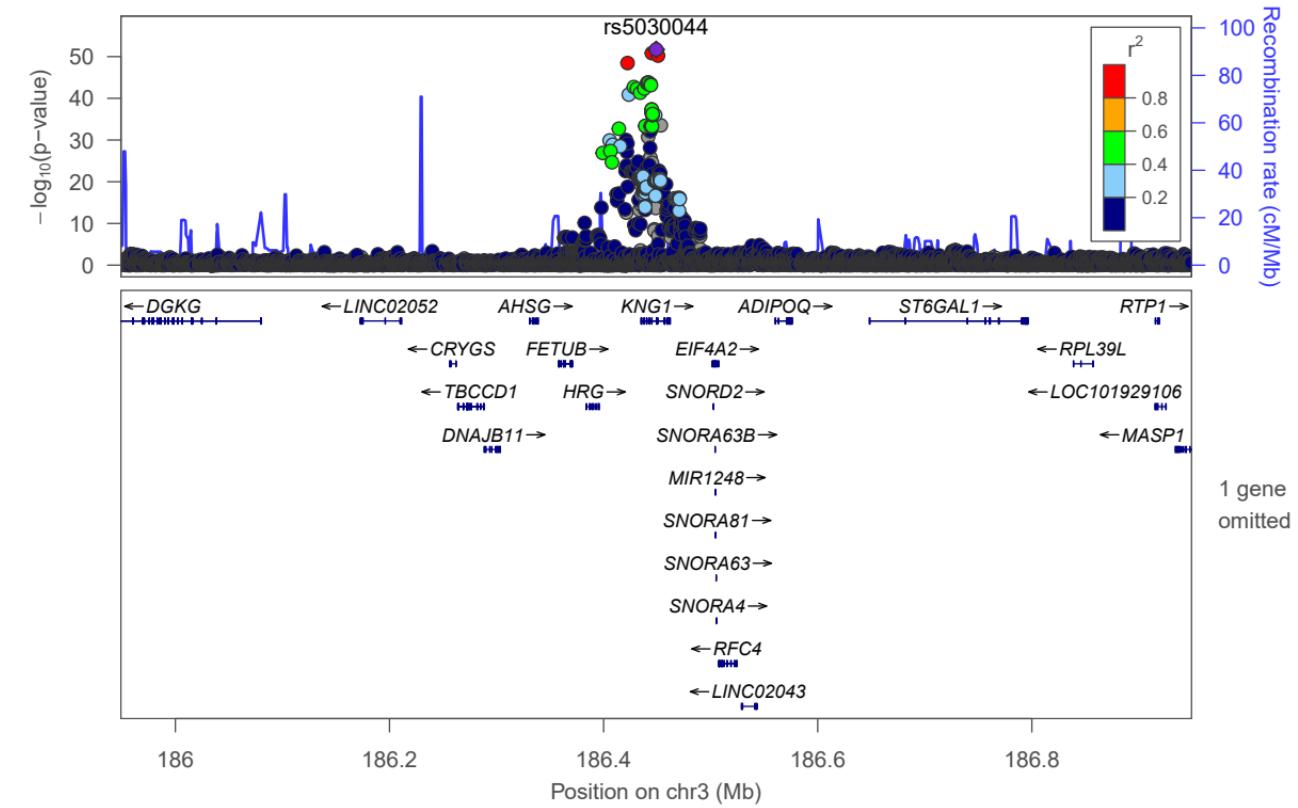
Fixed effect model

Random effects model

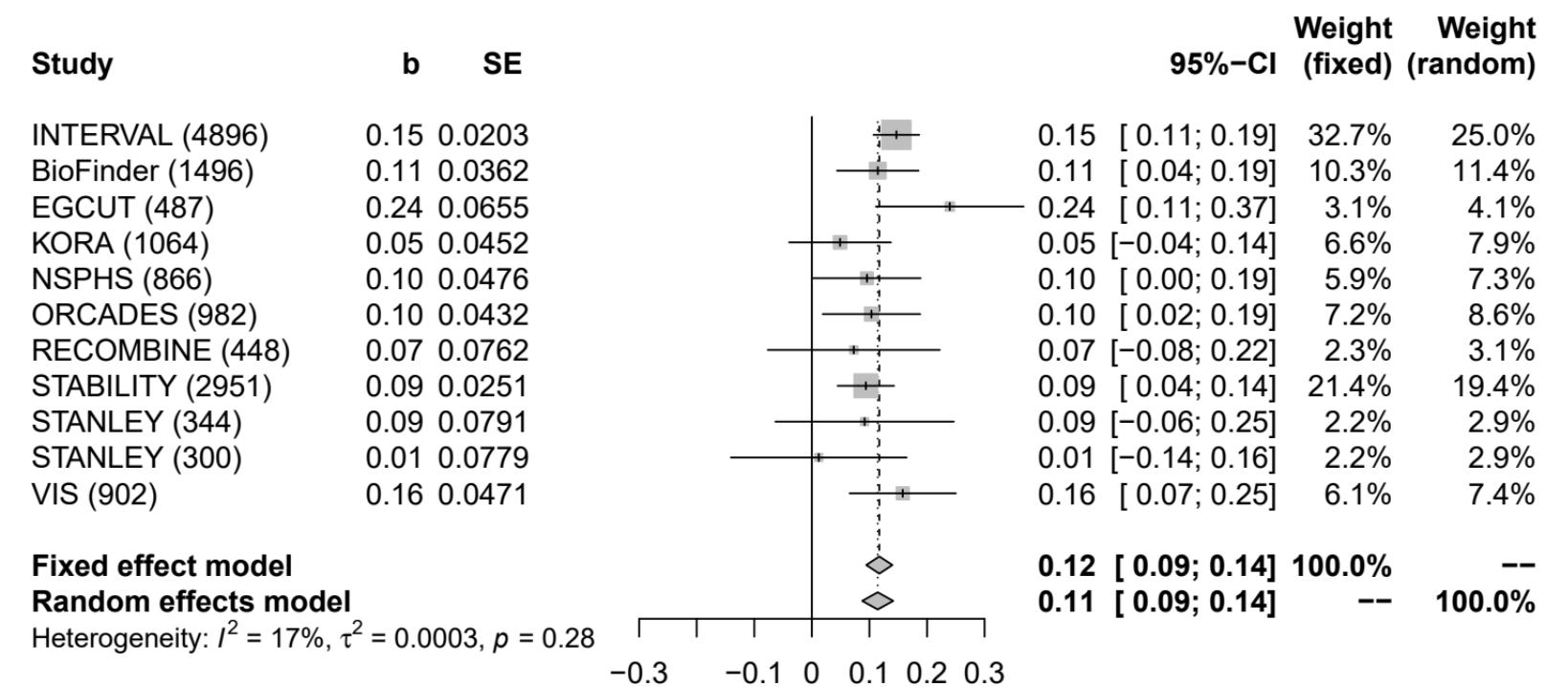
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.79$



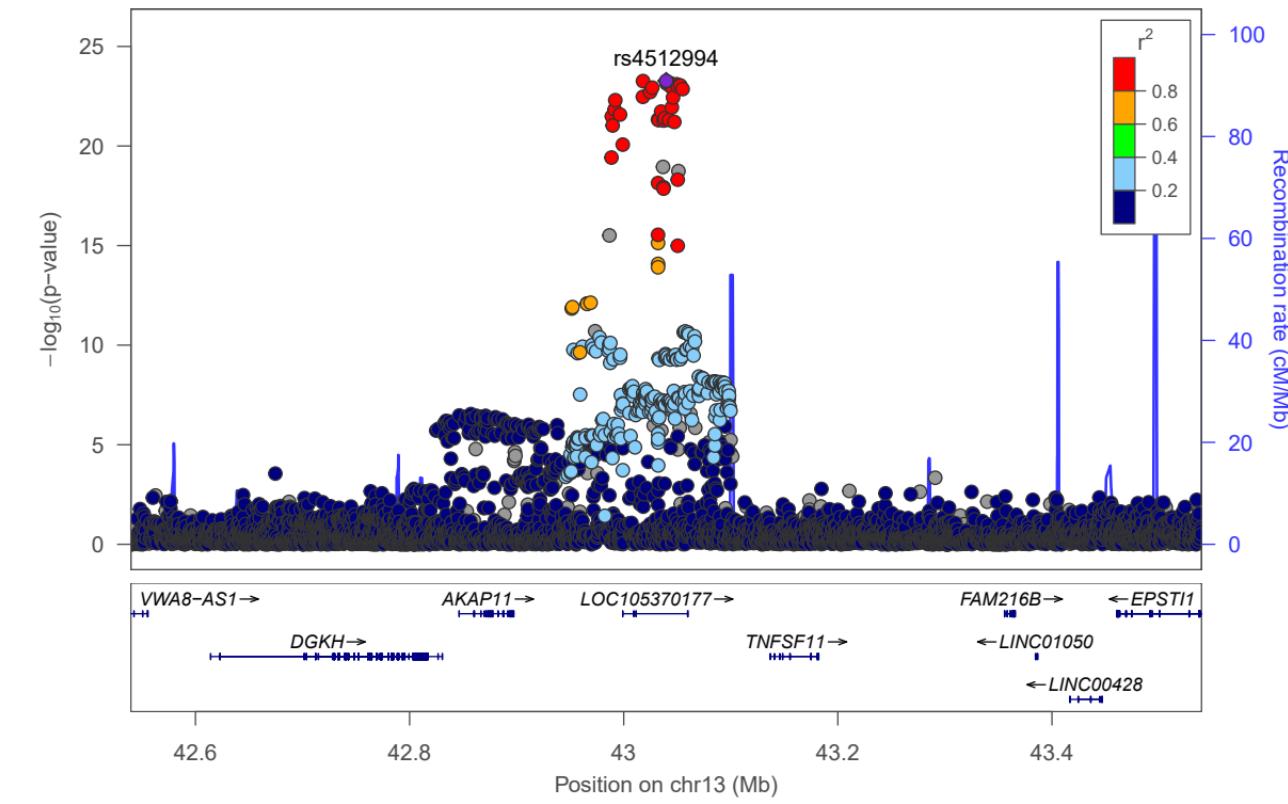
TRAIL (TNFSF10)-rs5030044



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



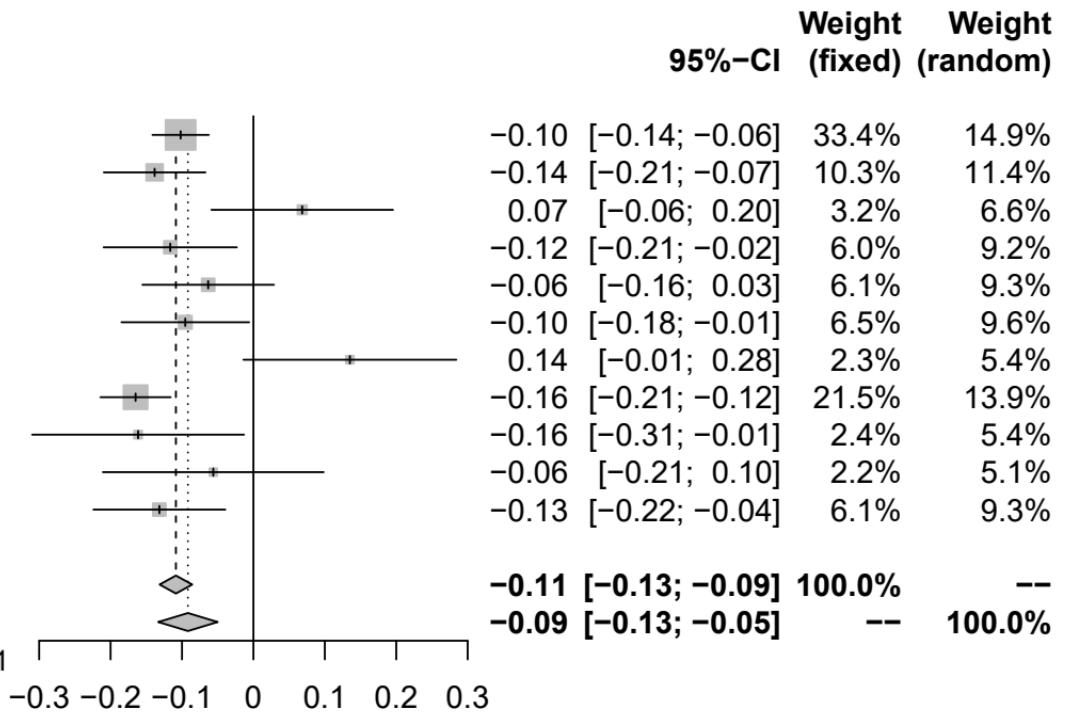
TRANCE (TNFSF11)-rs4512994



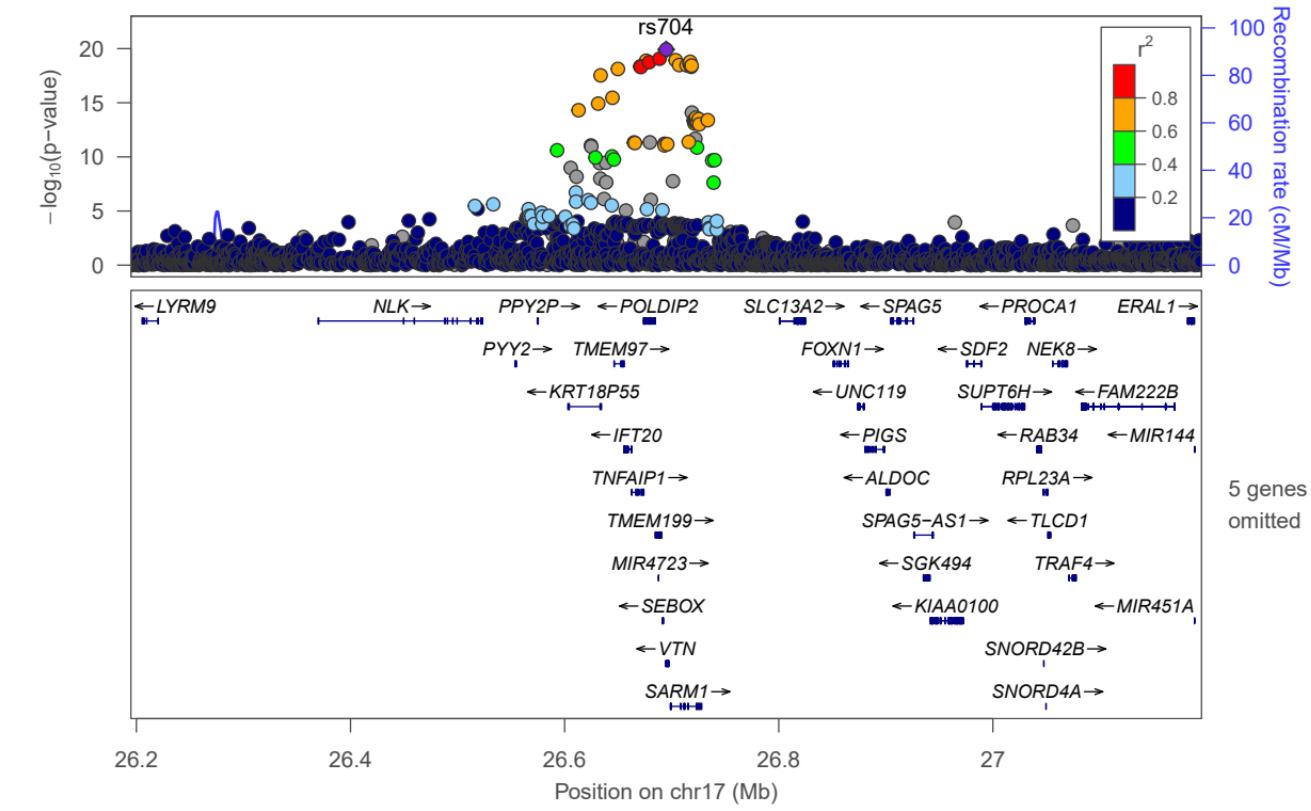
Study

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

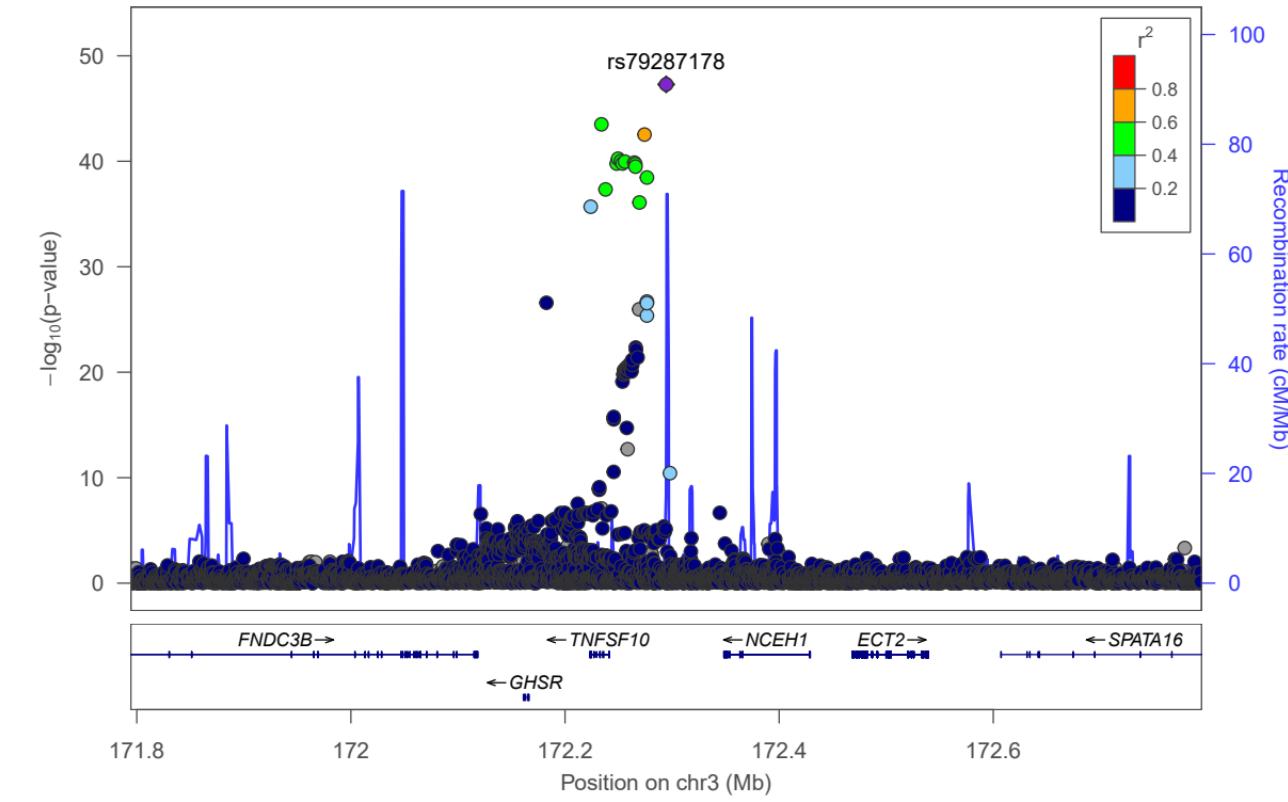
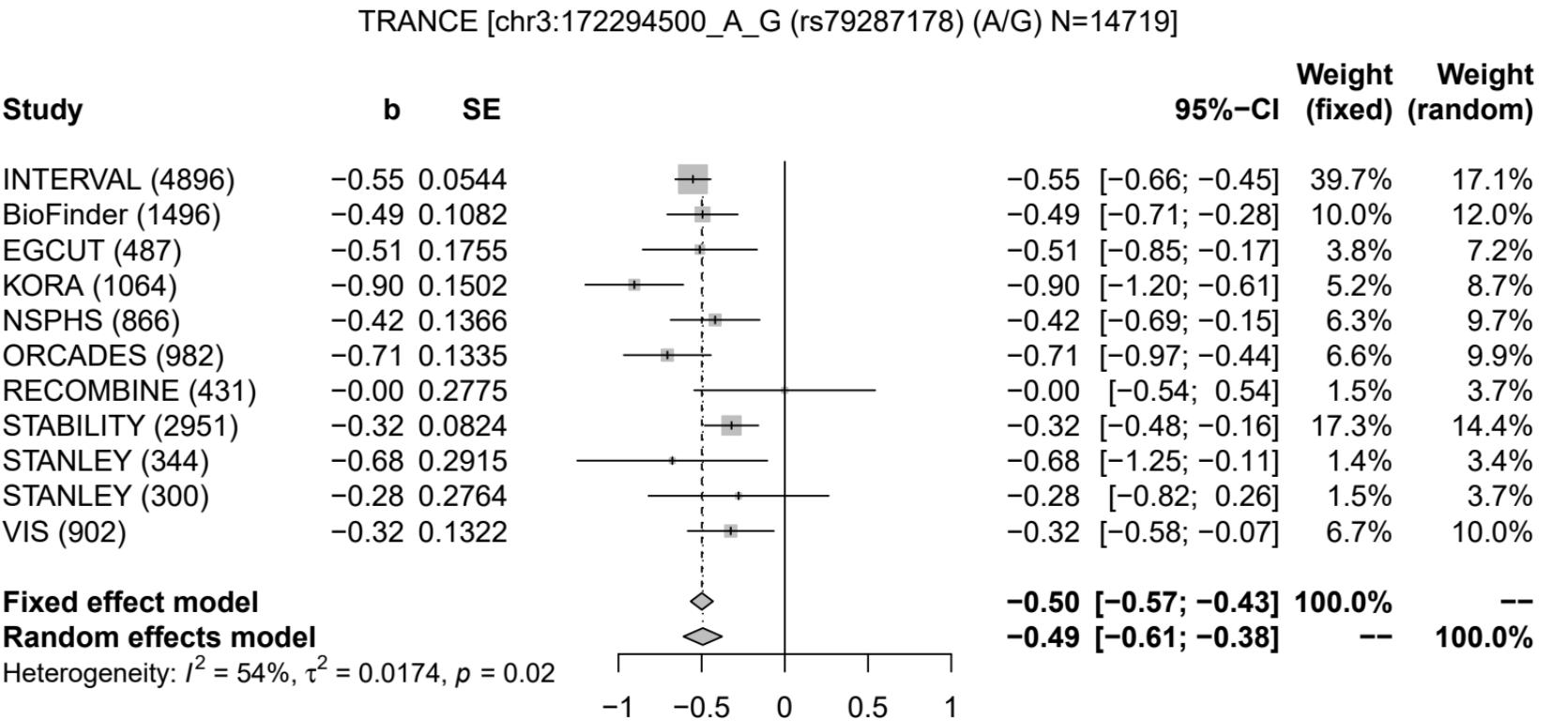
	b	SE				
INTERVAL (4896)	-0.10	0.0202				
BioFinder (1496)	-0.14	0.0363				
EGCUT (487)	0.07	0.0649				
KORA (1064)	-0.12	0.0476				
NSPHS (866)	-0.06	0.0470				
ORCADES (982)	-0.10	0.0456				
RECOMBINE (448)	0.14	0.0761				
STABILITY (2951)	-0.16	0.0251				
STANLEY (344)	-0.16	0.0757				
STANLEY (300)	-0.06	0.0789				
VIS (902)	-0.13	0.0471				
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



TRANCE (TNFSF11)-rs79287178



TRANCE (TNFSF11)-rs11713634

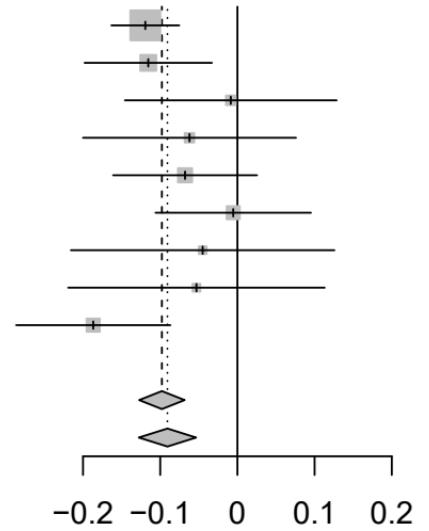
TRANCE [chr3:194061578_A_G (rs11713634) (A/G) N=11337]

Study

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

b SE

-0.12	0.0224
-0.12	0.0421
-0.01	0.0700
-0.06	0.0704
-0.07	0.0476
-0.01	0.0514
-0.04	0.0871
-0.05	0.0848
-0.19	0.0510

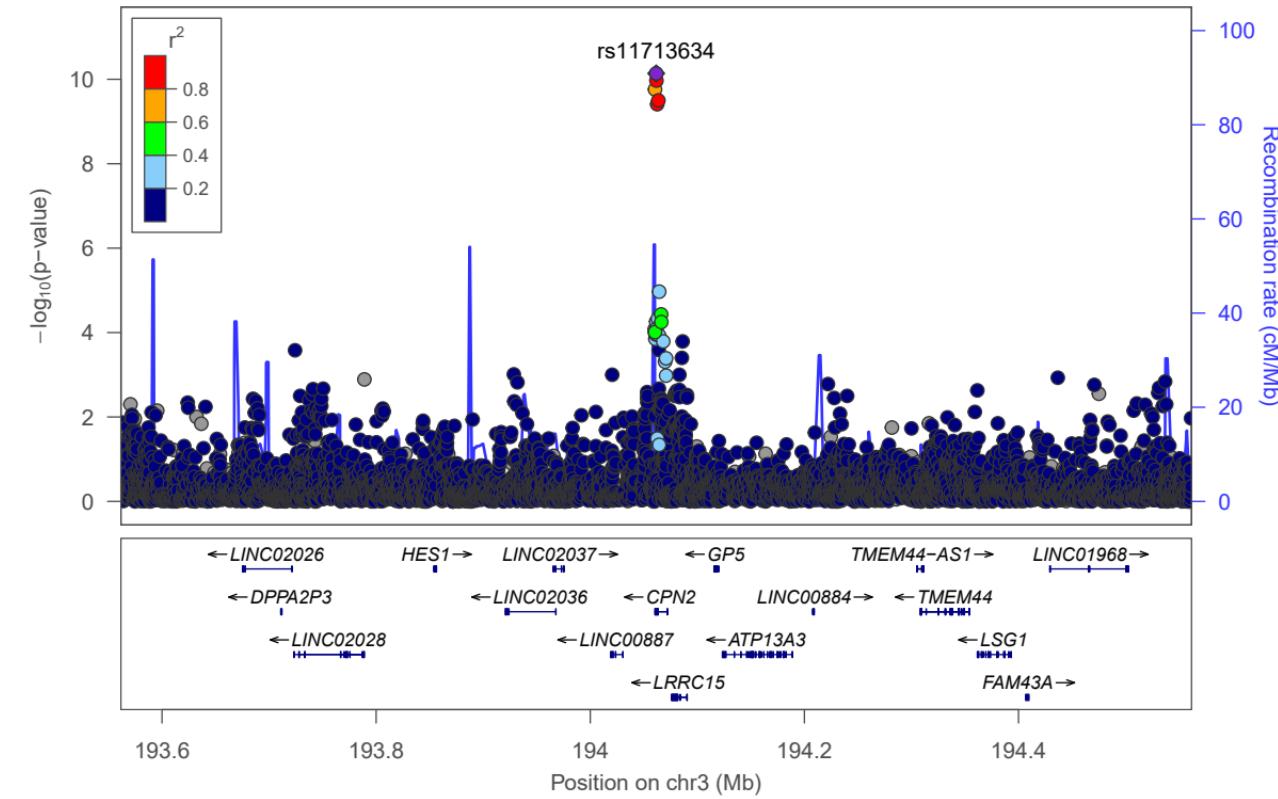


		95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.16; -0.08]	44.8%	30.0%
		-0.12 [-0.20; -0.03]	12.7%	14.6%
		-0.01 [-0.15; 0.13]	4.6%	6.4%
		-0.06 [-0.20; 0.08]	4.5%	6.3%
		-0.07 [-0.16; 0.03]	10.0%	12.1%
		-0.01 [-0.11; 0.10]	8.5%	10.8%
		-0.04 [-0.22; 0.13]	3.0%	4.3%
		-0.05 [-0.22; 0.11]	3.1%	4.5%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

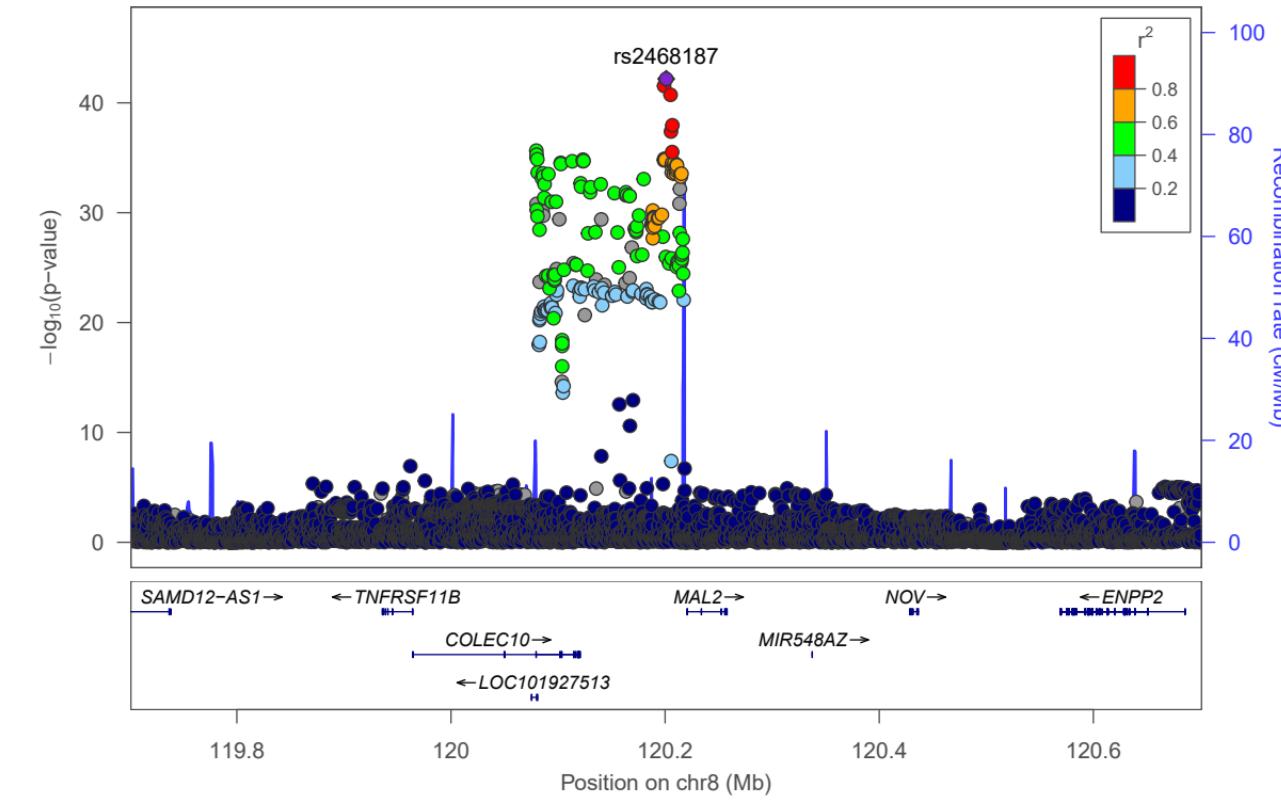
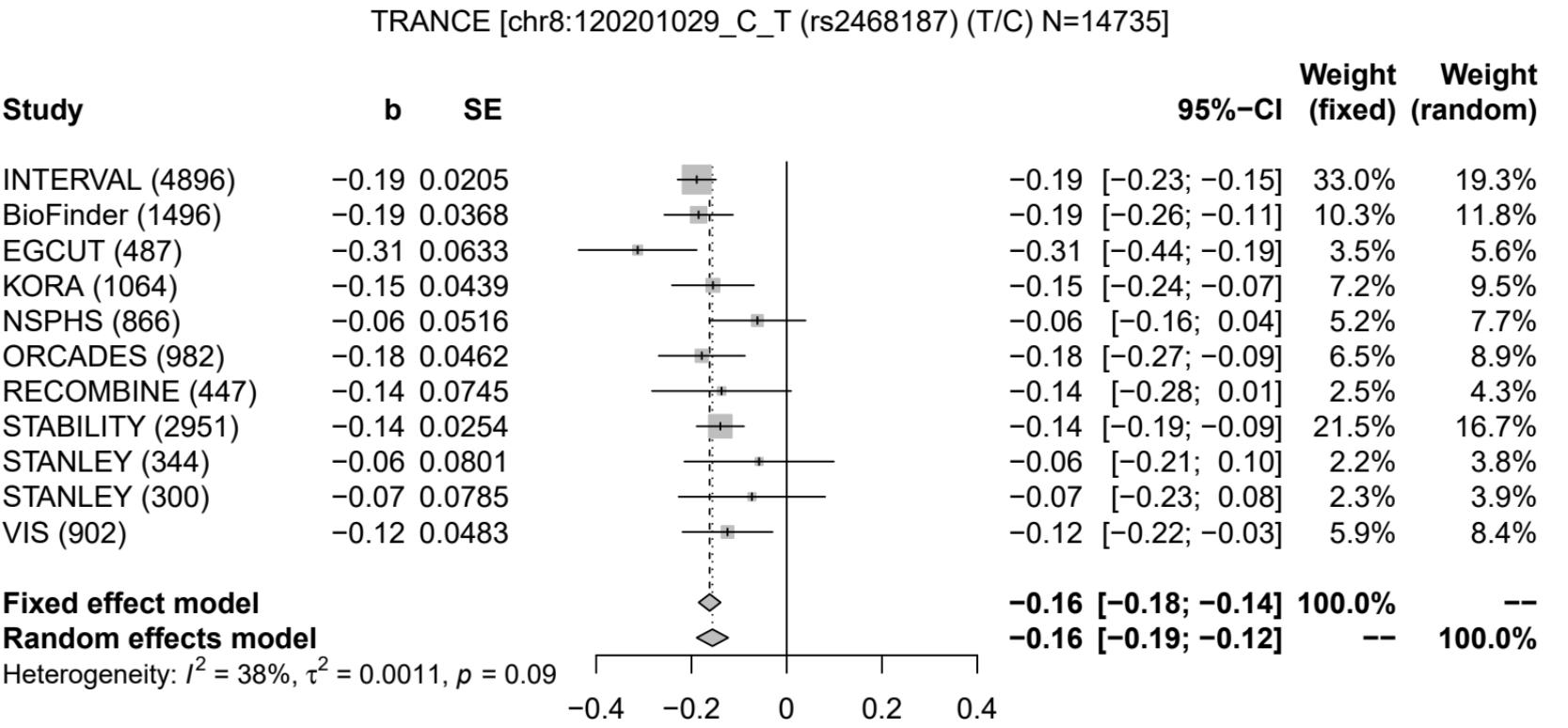
Fixed effect model

Random effects model

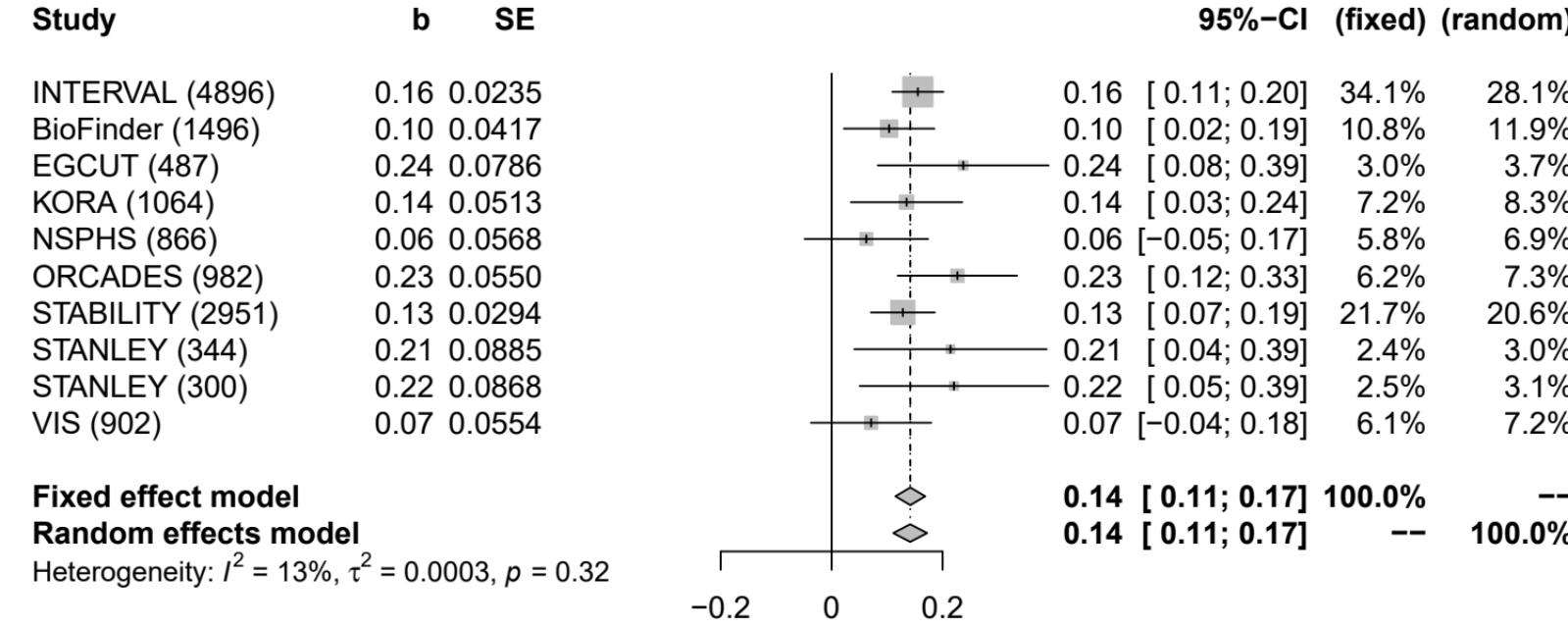
Heterogeneity: $I^2 = 22\%$, $\tau^2 = 0.0007$, $p = 0.24$



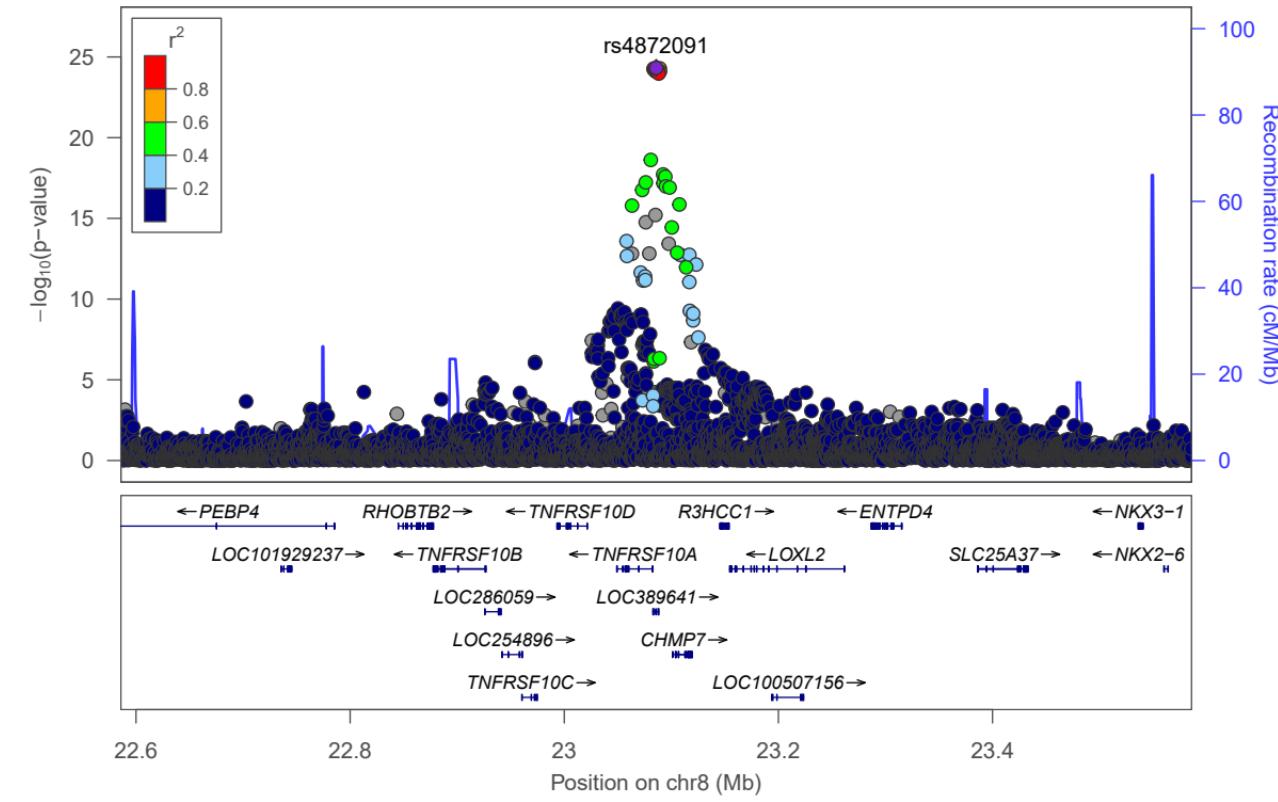
TRANCE (TNFSF11)-rs2468187



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



TRANCE (TNFSF11)-rs4872091



TWEAK (TNFSF12)-rs34790908

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

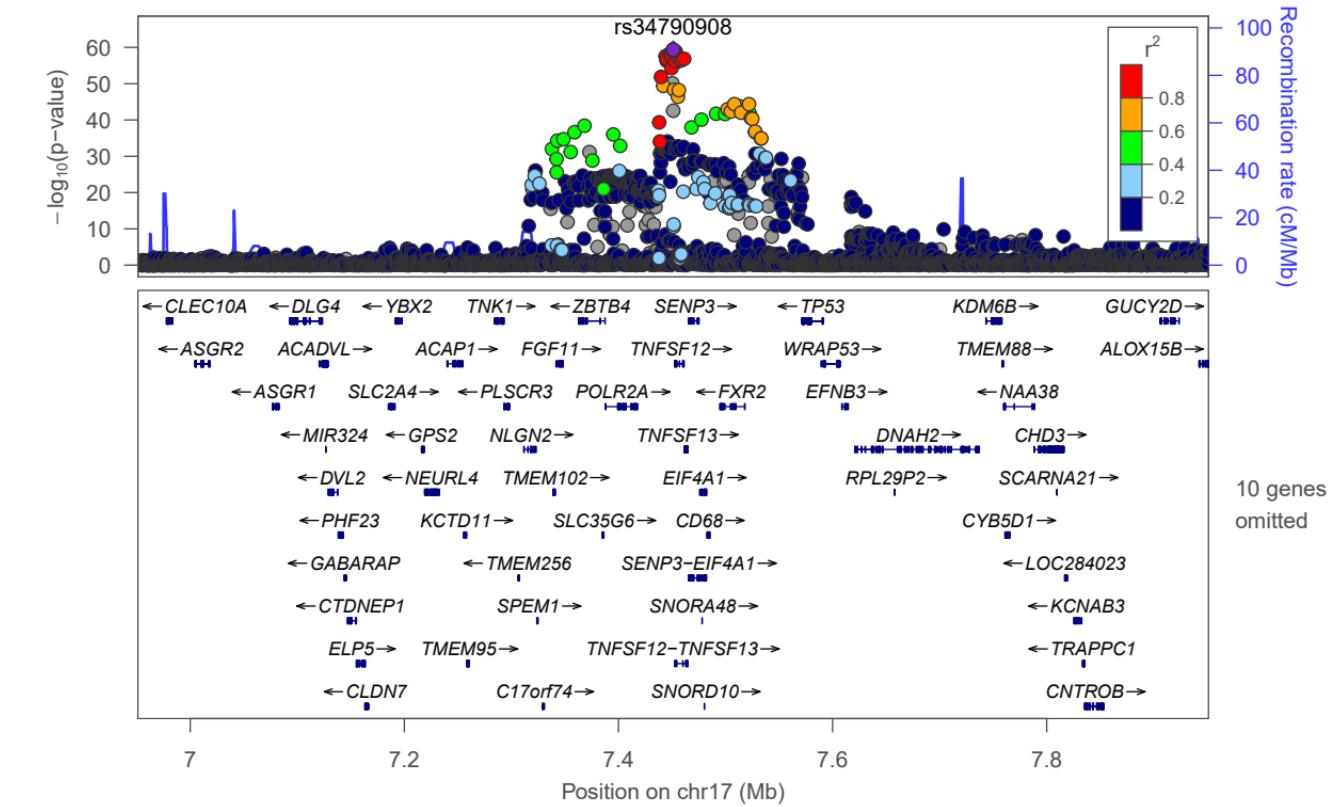
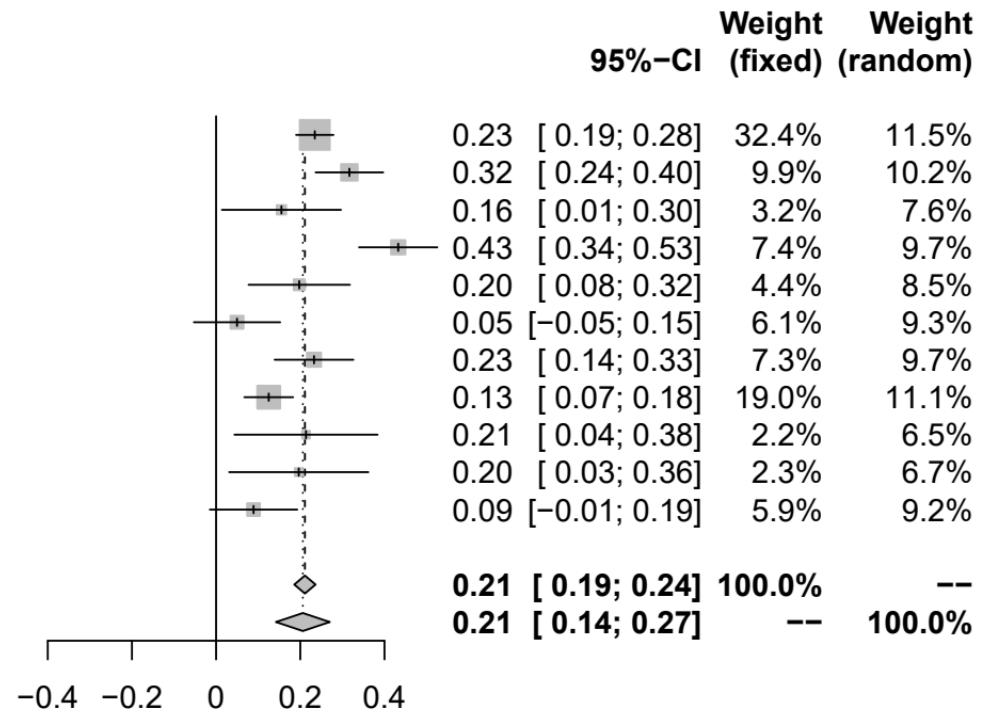
Study

	b	SE
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

Random effects model

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



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

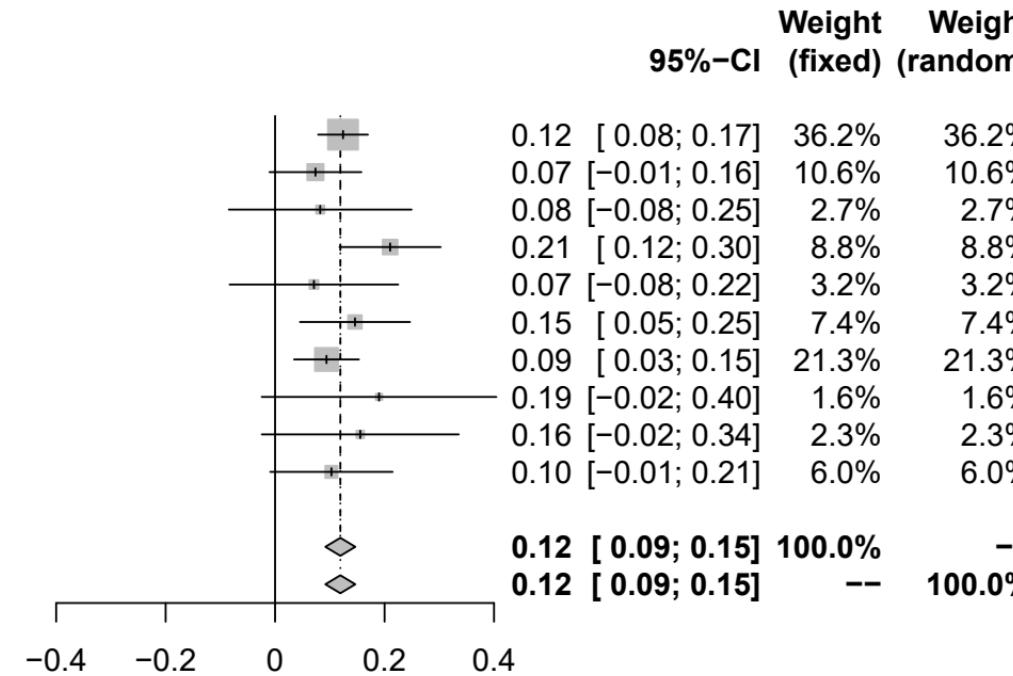
Study

	b	SE
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

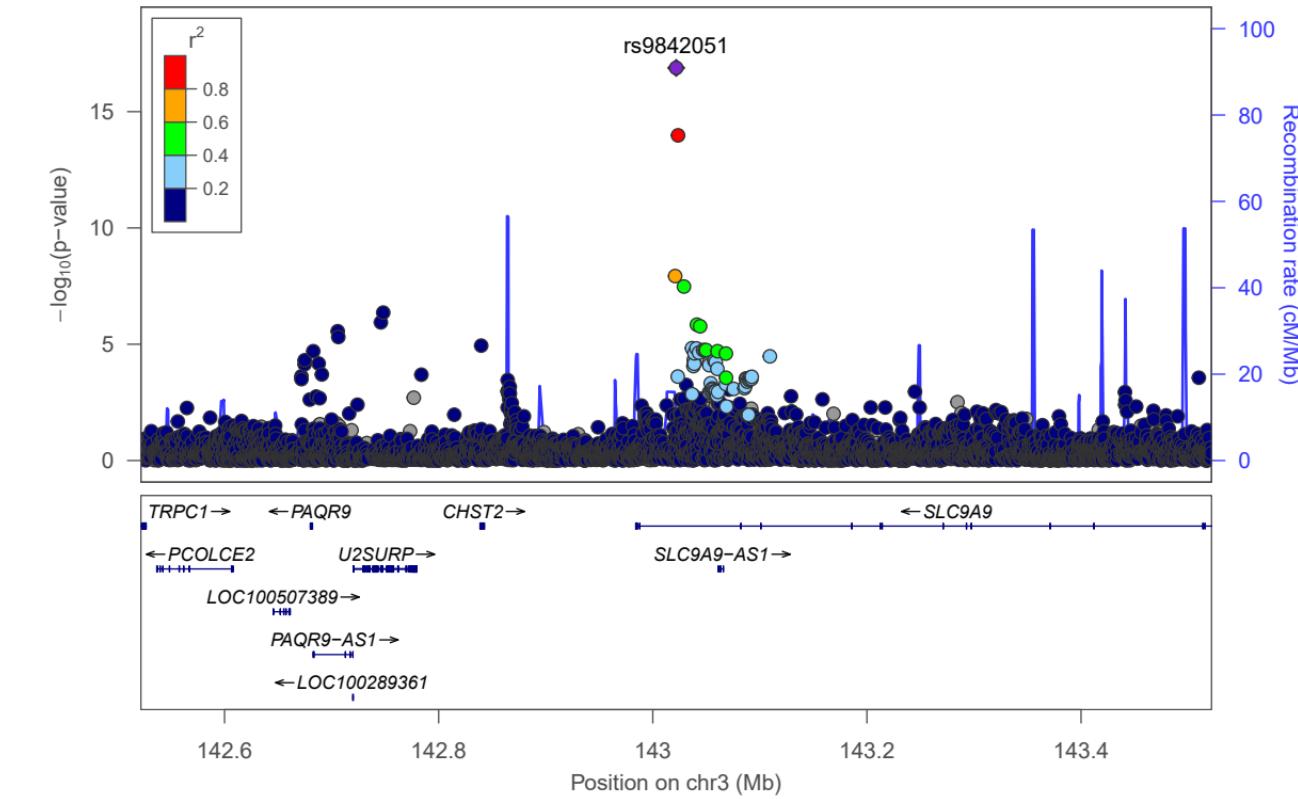
Fixed effect model

Random effects model

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



TWEAK (TNFSF12)-rs9842051



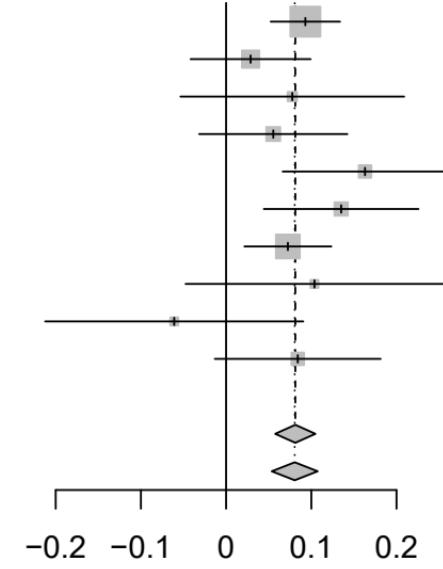
TWEAK [chr3:98429219_C_G (rs73133996) (C/G) N=14288]

Study

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

b SE

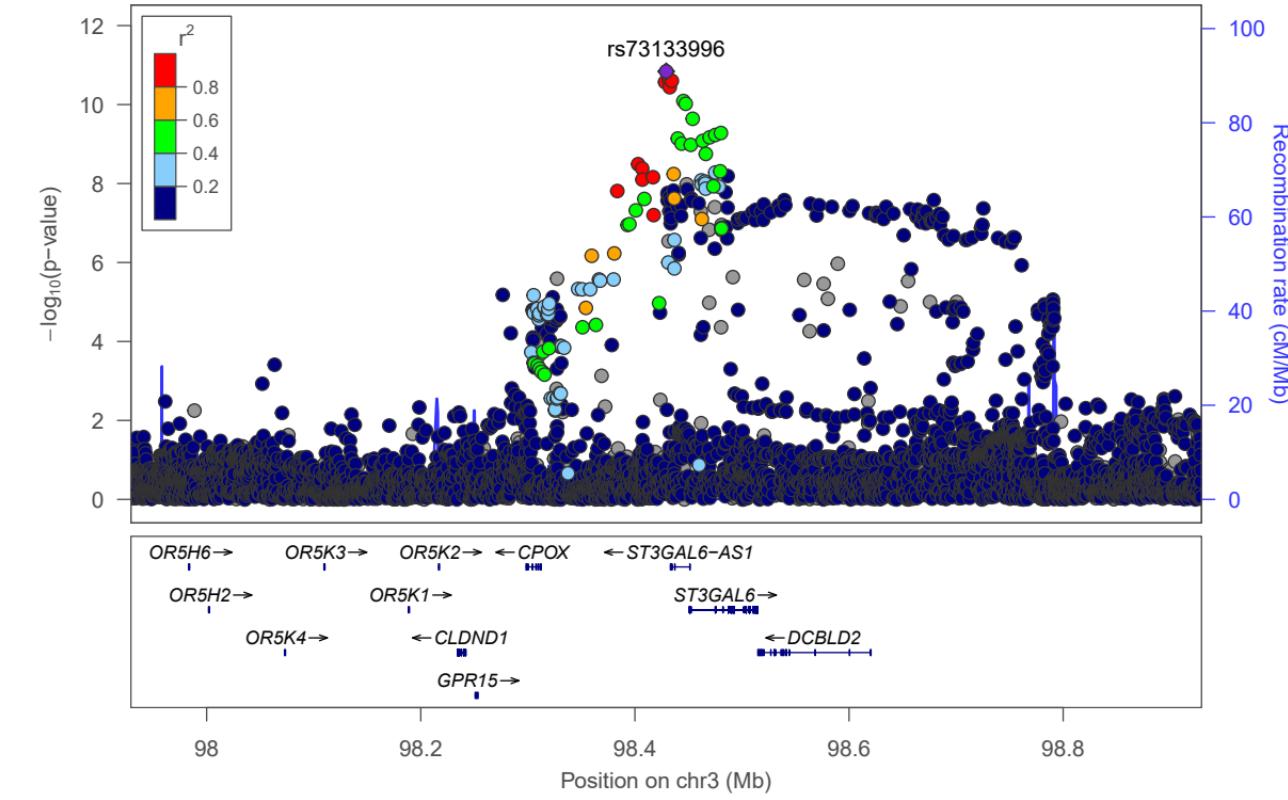
0.09 0.0208
0.03 0.0360
0.08 0.0670
0.06 0.0444
0.16 0.0493
0.14 0.0463
0.07 0.0261
0.10 0.0772
-0.06 0.0773
0.08 0.0497



		95%-CI	Weight (fixed)	Weight (random)
		0.09 [0.05; 0.13]	33.6%	27.3%
		0.03 [-0.04; 0.10]	11.2%	12.2%
		0.08 [-0.05; 0.21]	3.2%	4.0%
		0.06 [-0.03; 0.14]	7.3%	8.5%
		0.16 [0.07; 0.26]	5.9%	7.0%
		0.14 [0.04; 0.23]	6.7%	7.9%
		0.07 [0.02; 0.12]	21.3%	20.1%
		0.10 [-0.05; 0.26]	2.4%	3.0%
		-0.06 [-0.21; 0.09]	2.4%	3.0%
		0.08 [-0.01; 0.18]	5.9%	6.9%
	Fixed effect model	0.08 [0.06; 0.10]	100.0%	--
	Random effects model	0.08 [0.05; 0.11]	--	100.0%

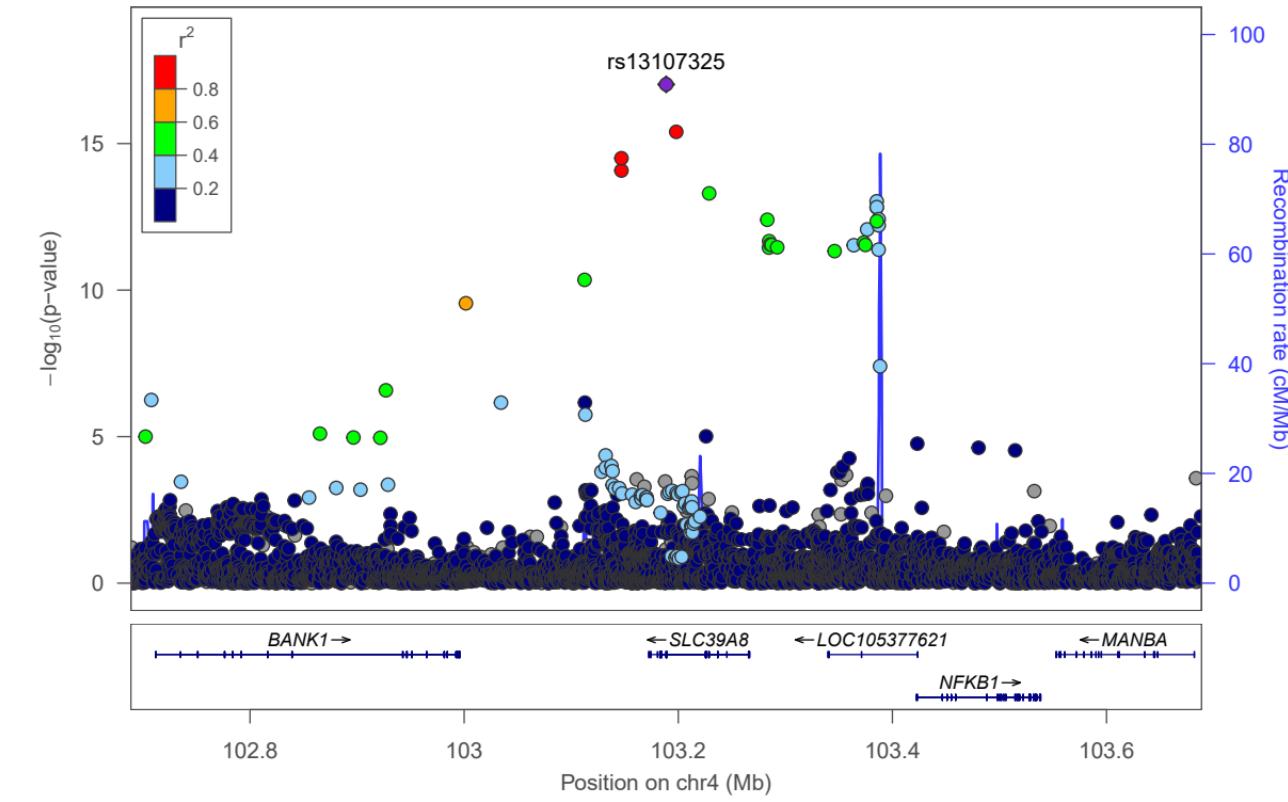
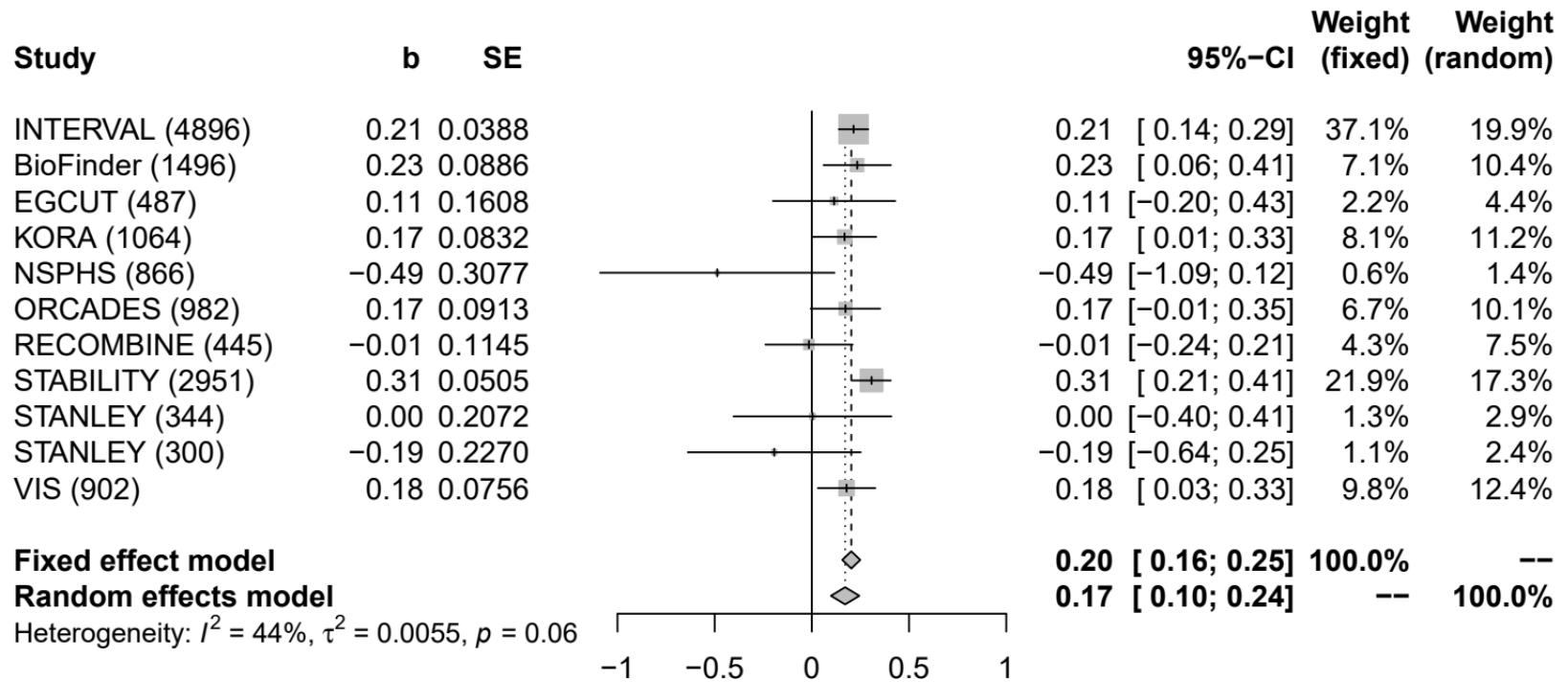
Heterogeneity: $I^2 = 14\%$, $\tau^2 = 0.0003$, $p = 0.31$

TWEAK (TNFSF12)-rs73133996



TWEAK (TNFSF12)-rs13107325

TWEAK [chr4:103188709_C_T (rs13107325) (T/C) N=14733]



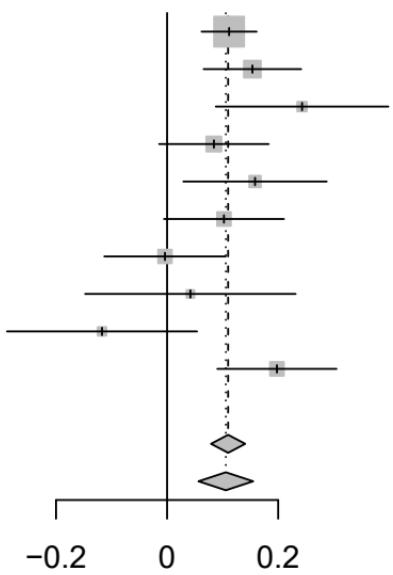
TWEAK (TNFSF12)-rs579459

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

Study

Study	b	SE
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

b **SE**

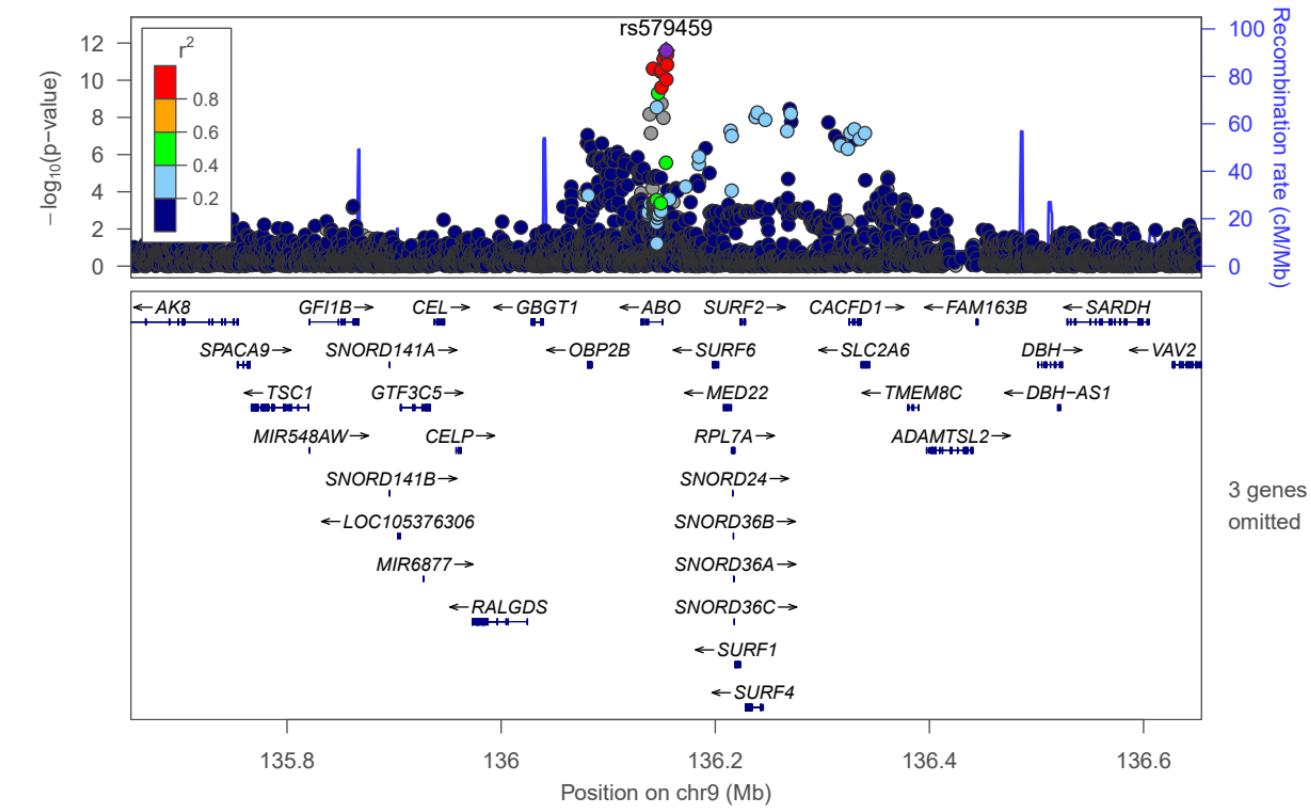


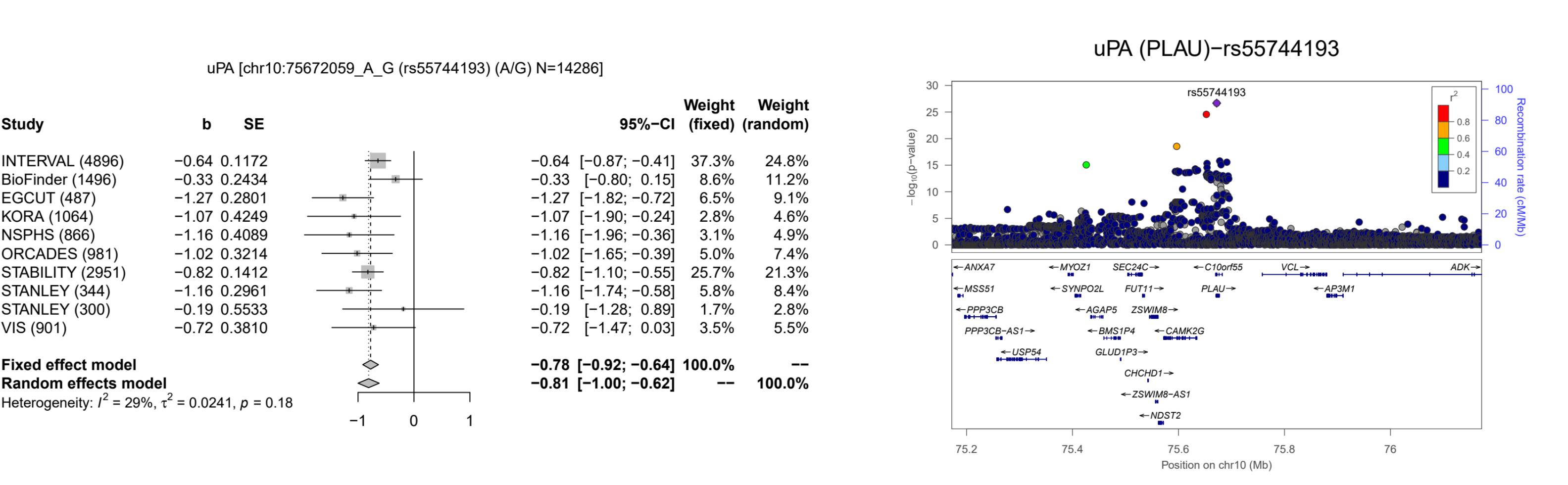
		95%-CI	Weight (fixed)	Weight (random)
		0.11 [0.06; 0.16]	38.4%	17.6%
		0.15 [0.07; 0.24]	12.2%	12.7%
		0.24 [0.09; 0.40]	3.9%	6.8%
		0.08 [-0.01; 0.18]	9.7%	11.5%
		0.16 [0.03; 0.29]	5.7%	8.7%
		0.10 [-0.01; 0.21]	8.1%	10.5%
		-0.00 [-0.11; 0.11]	7.9%	10.4%
		0.04 [-0.15; 0.23]	2.6%	5.1%
		-0.12 [-0.29; 0.05]	3.2%	6.0%
		0.20 [0.09; 0.31]	8.2%	10.6%
		0.11 [0.08; 0.14]	100.0%	--
		0.11 [0.06; 0.15]	--	100.0%

Fixed effect model

Random effects model

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



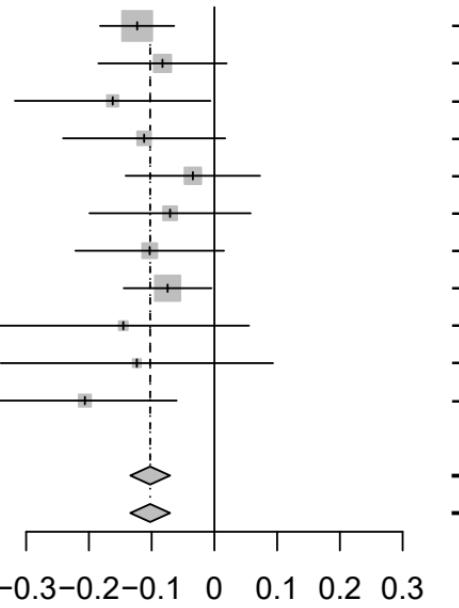


Study

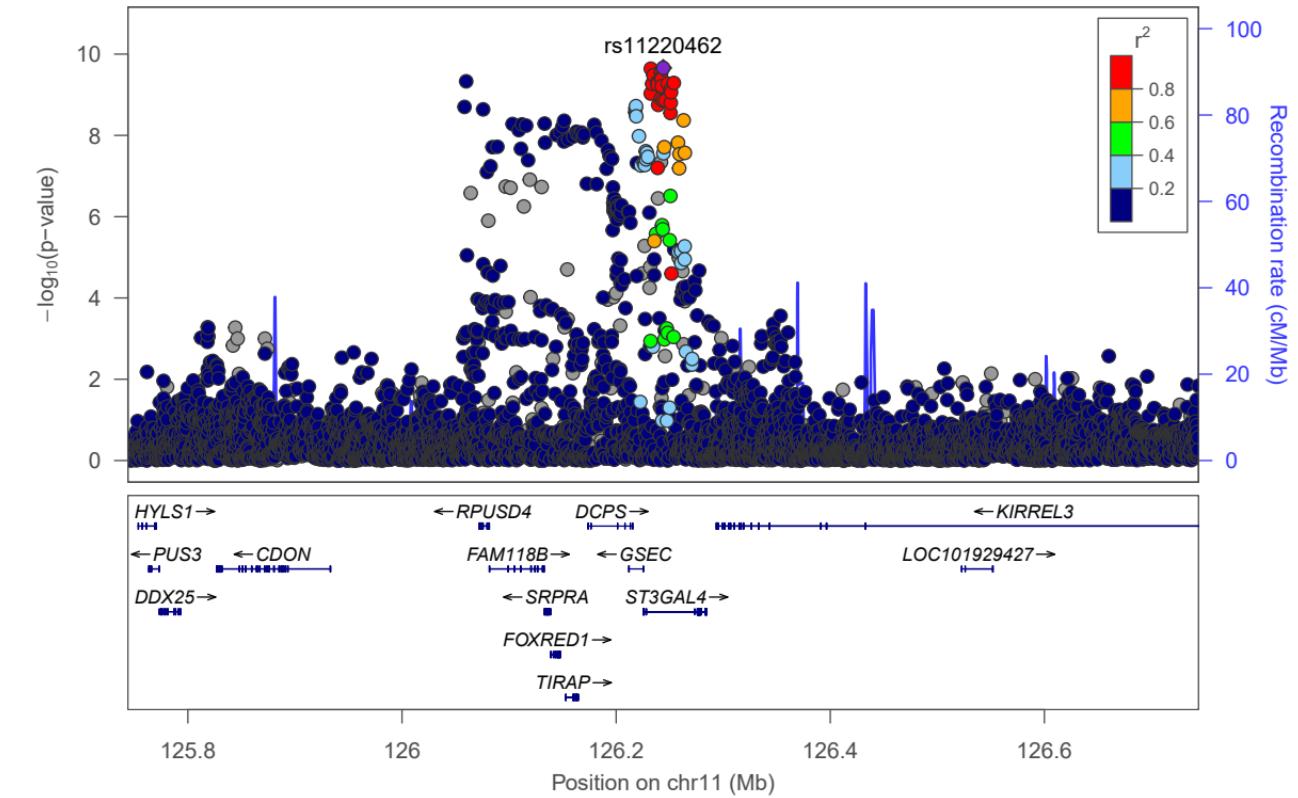
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (445)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

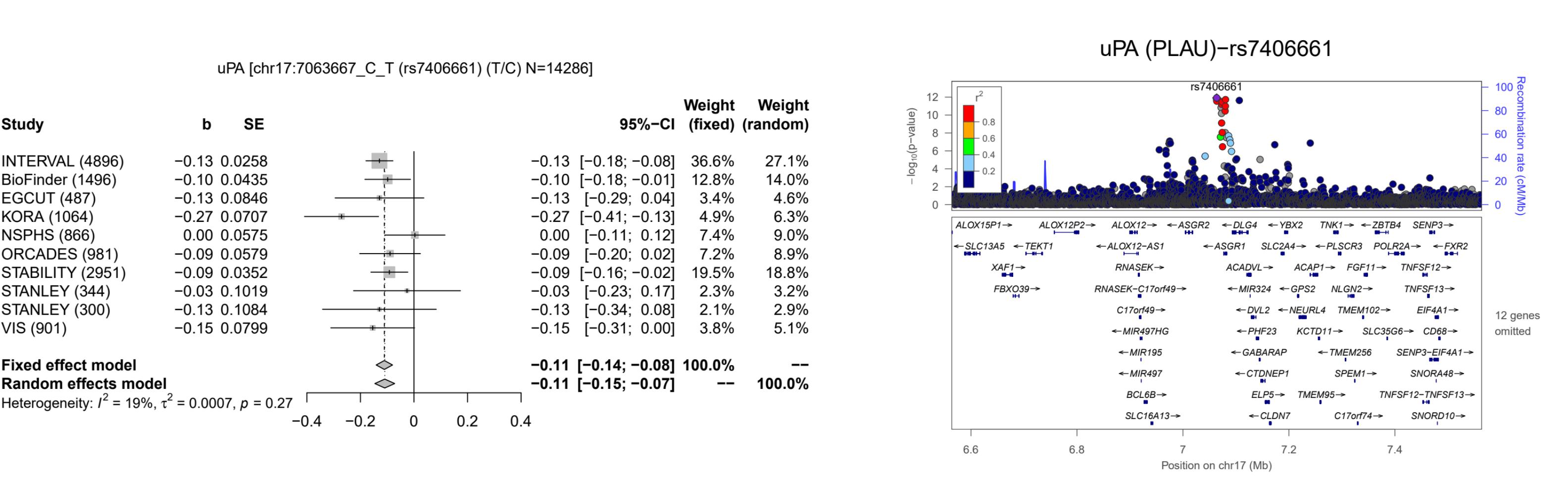
uPA [chr11:126243952_A_G (rs11220462) (A/G) N=14731]**b****SE**

-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



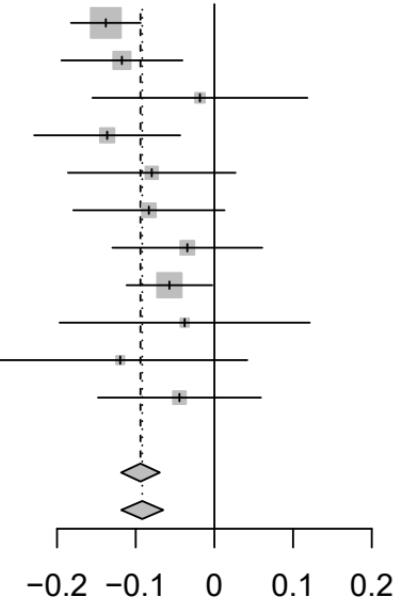
		95%-CI	Weight (fixed)	Weight (random)
		-0.12 [-0.18; -0.06]	28.7%	28.7%
		-0.08 [-0.18; 0.02]	9.6%	9.6%
		-0.16 [-0.32; -0.01]	4.1%	4.1%
		-0.11 [-0.24; 0.02]	6.0%	6.0%
		-0.03 [-0.14; 0.07]	8.7%	8.7%
		-0.07 [-0.20; 0.06]	6.1%	6.1%
		-0.10 [-0.22; 0.02]	7.1%	7.1%
		-0.07 [-0.14; 0.00]	20.5%	20.5%
		-0.15 [-0.35; 0.06]	2.5%	2.5%
		-0.12 [-0.34; 0.09]	2.1%	2.1%
		-0.21 [-0.35; -0.06]	4.7%	4.7%
		-0.10 [-0.13; -0.07]	100.0%	--
		-0.10 [-0.13; -0.07]	--	100.0%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.84$ **uPA (PLAU)-rs11220462**

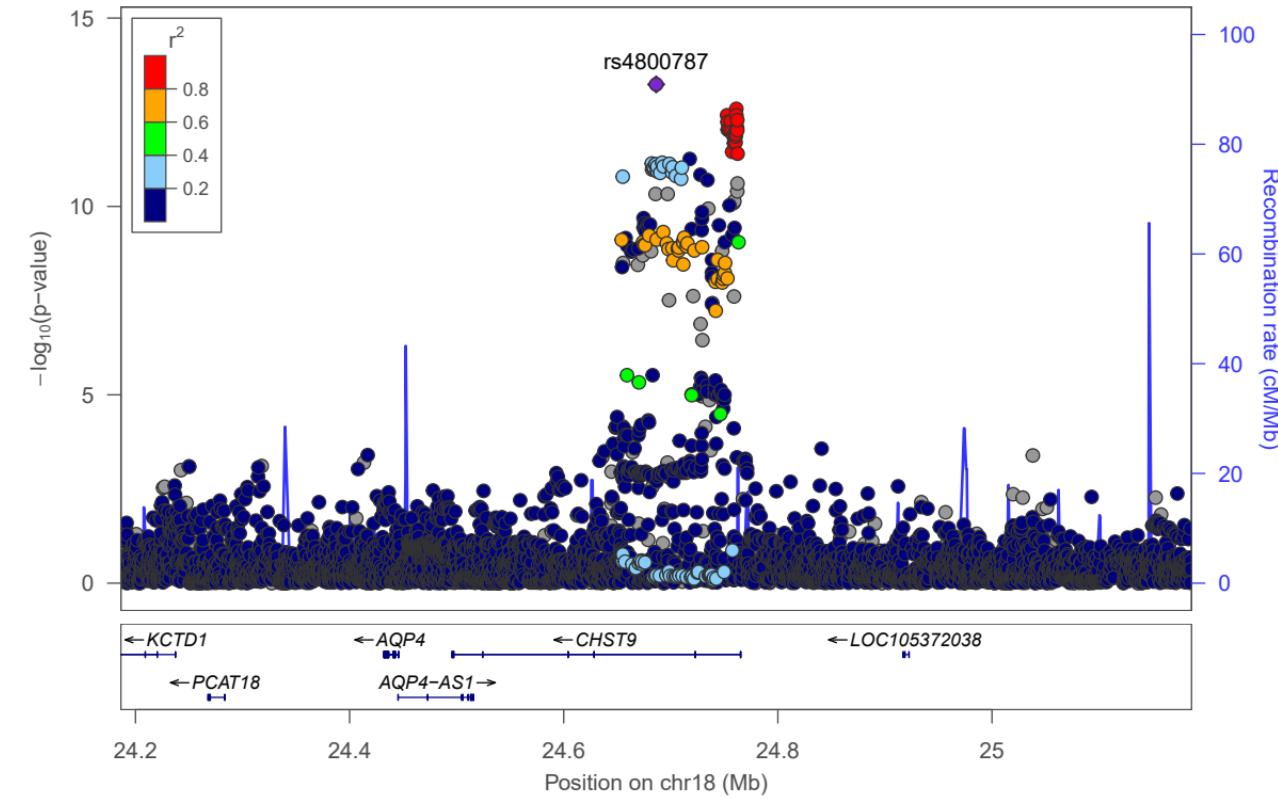


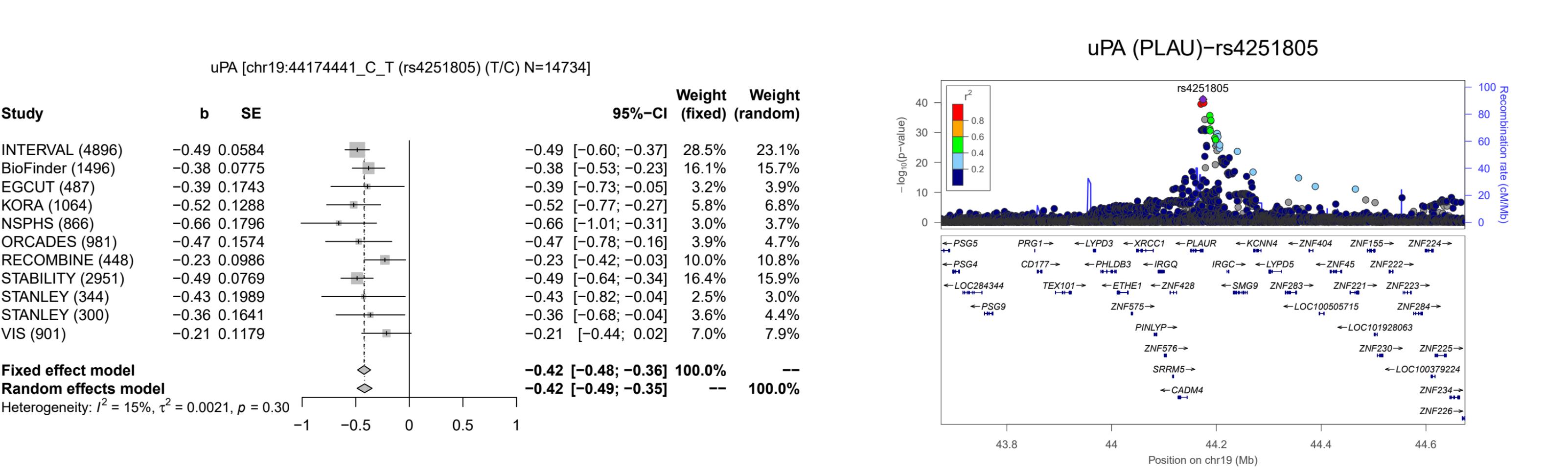
Study

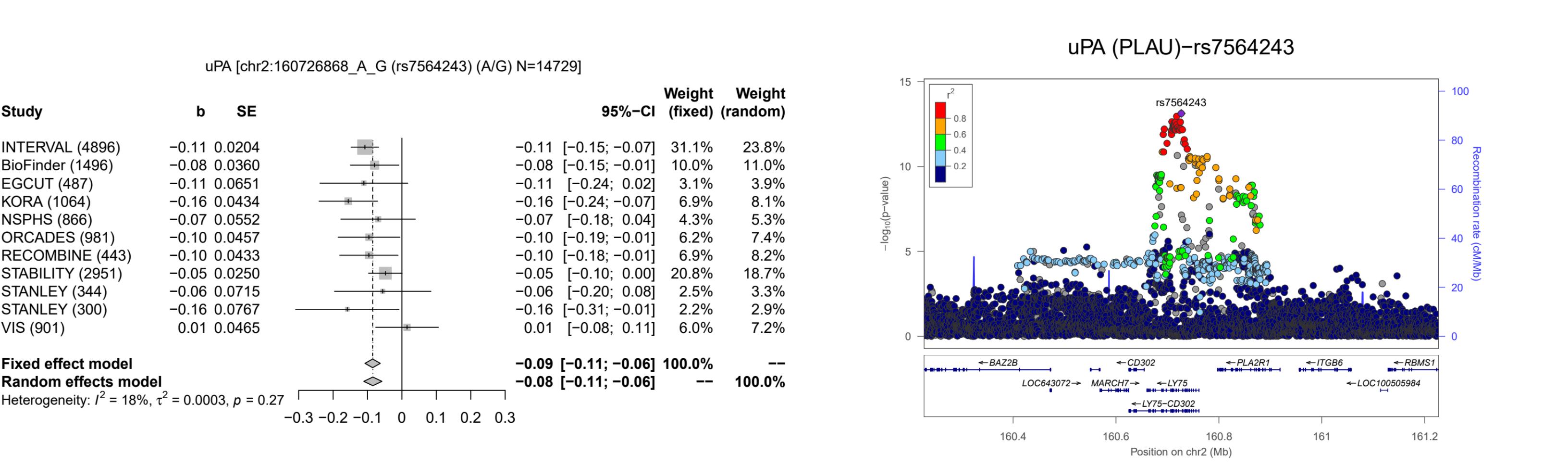
INTERVAL (4896)
BioFinder (1496)
EGCUT (487)
KORA (1064)
NSPHS (866)
ORCADES (981)
RECOMBINE (444)
STABILITY (2951)
STANLEY (344)
STANLEY (300)
VIS (901)

uPA [chr18:24686365_C_T (rs4800787) (T/C) N=14730]**b****SE**

	95%-CI	Weight (fixed)	Weight (random)
	-0.14 [-0.18; -0.09]	30.6%	26.7%
	-0.12 [-0.19; -0.04]	10.2%	10.7%
	-0.02 [-0.16; 0.12]	3.2%	3.7%
	-0.14 [-0.23; -0.04]	7.0%	7.6%
	-0.08 [-0.19; 0.03]	5.3%	5.9%
	-0.08 [-0.18; 0.01]	6.5%	7.1%
	-0.03 [-0.13; 0.06]	6.6%	7.3%
	-0.06 [-0.11; 0.00]	20.3%	19.4%
	-0.04 [-0.20; 0.12]	2.4%	2.7%
	-0.12 [-0.28; 0.04]	2.3%	2.6%
	-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%

Fixed effect model**Random effects model**Heterogeneity: $I^2 = 9\%$, $\tau^2 = 0.0002$, $p = 0.36$ **uPA (PLAU)-rs4800787**





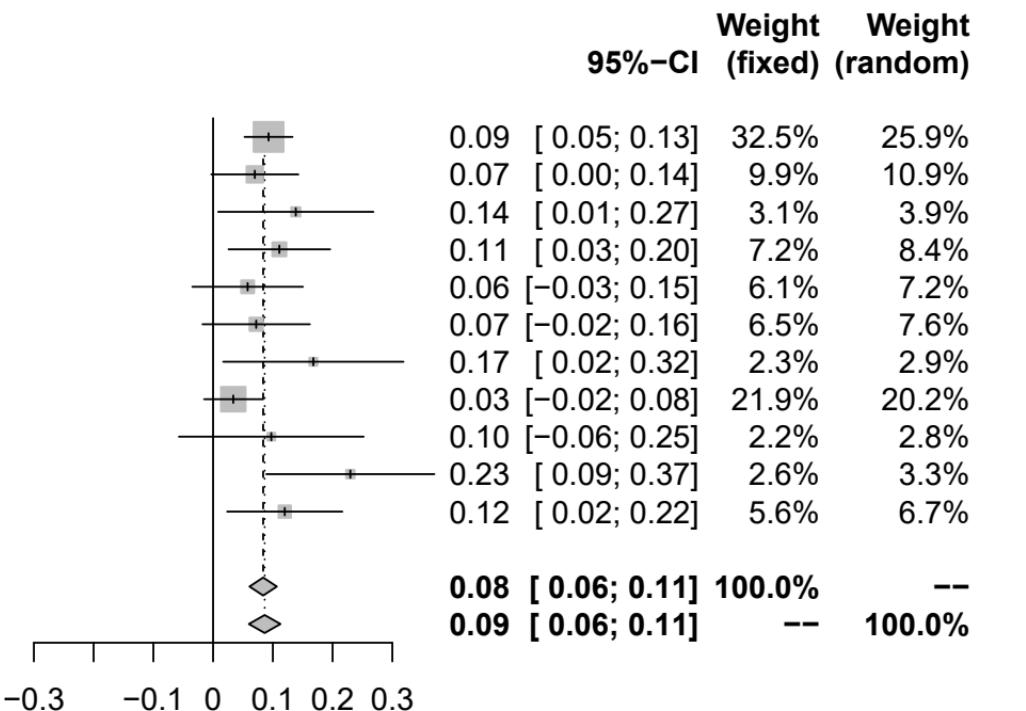
VEGF_A [chr10:65071215_A_C (rs10822155) (A/C) N=14744]

Study	b	SE
INTERVAL (4896)	0.09	0.0205
BioFinder (1496)	0.07	0.0372
EGCUT (487)	0.14	0.0663
KORA (1064)	0.11	0.0434
NSPHS (874)	0.06	0.0472
ORCADES (982)	0.07	0.0459
RECOMBINE (448)	0.17	0.0770
STABILITY (2951)	0.03	0.0249
STANLEY (344)	0.10	0.0789
STANLEY (300)	0.23	0.0718
VIS (902)	0.12	0.0492

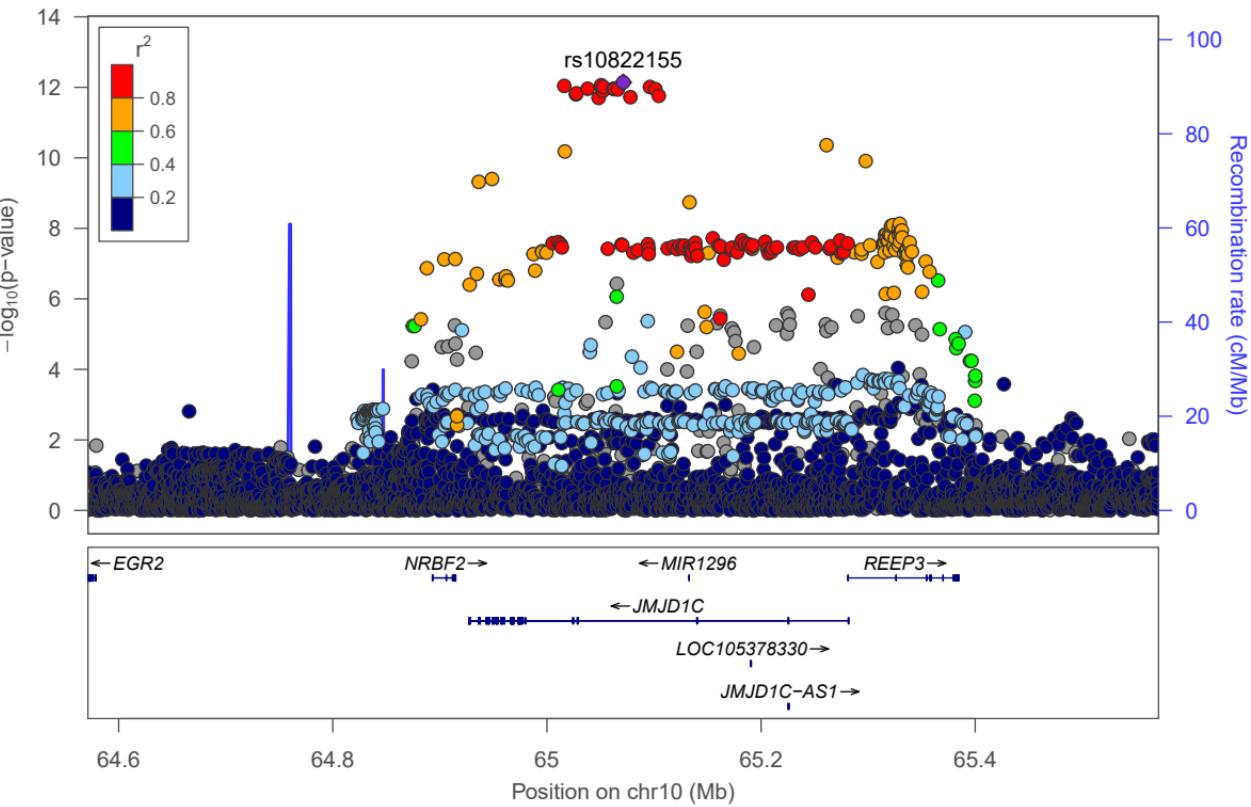
Fixed effect model

Random effects model

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



VEGF_A (VEGFA)-rs10822155



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]

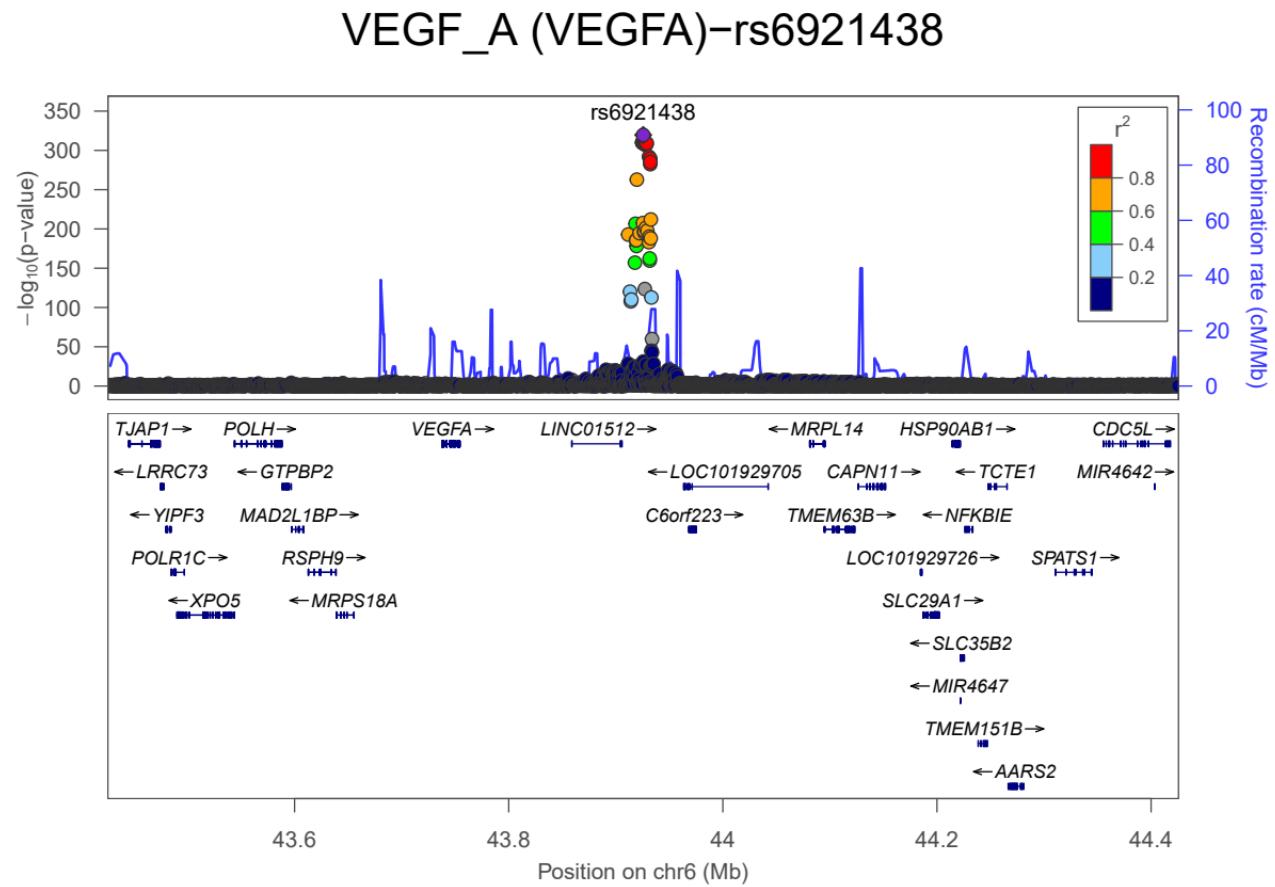
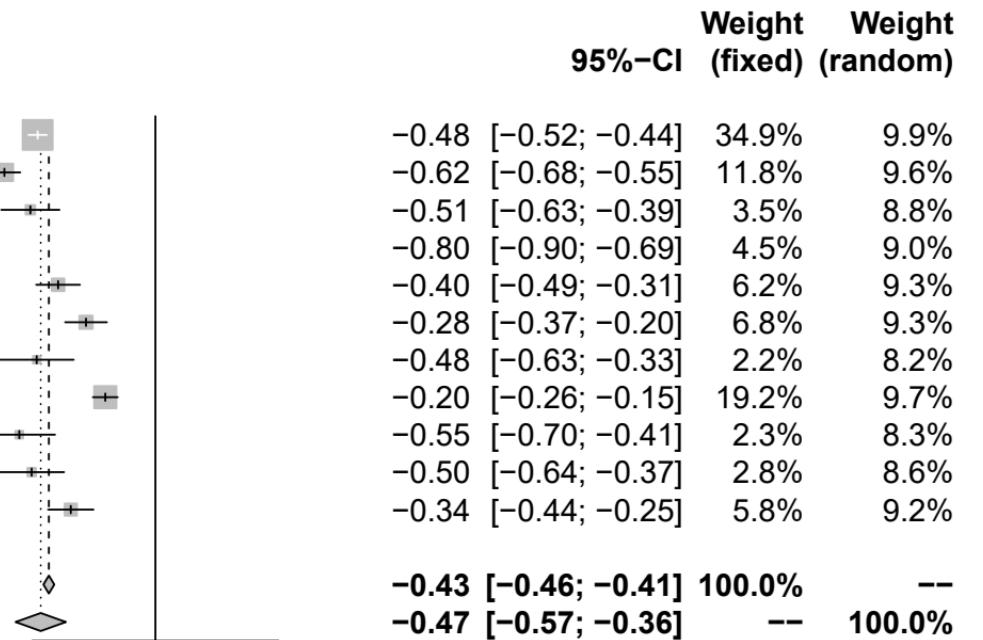
b **SE**

-0.48 0.0192
-0.62 0.0331
-0.51 0.0606
-0.80 0.0536
-0.40 0.0456
-0.28 0.0434
-0.48 0.0769
-0.20 0.0259
-0.55 0.0744
-0.50 0.0675
-0.34 0.0472

Fixed effect model

Random effects model

Heterogeneity: $I^2 = 95\%$, $\tau^2 = 0.0274$, $p < 0.01$



VEGF_A [chr8:106581528_A_T (rs6993770) (A/T) N=14296]

Study

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

b **SE**

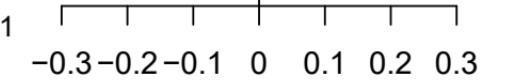
0.21 0.0226
0.03 0.0425
-0.04 0.0750
0.15 0.0504
0.12 0.0583
0.01 0.0511
0.07 0.0275
0.15 0.0972
0.15 0.0825
0.10 0.0616

			Weight	Weight
			95%-CI	(fixed) (random)
		0.21	[0.17; 0.26]	35.1% 14.2%
		0.03	[-0.05; 0.12]	9.9% 11.7%
		-0.04	[-0.19; 0.10]	3.2% 7.7%
		0.15	[0.05; 0.25]	7.0% 10.6%
		0.12	[0.01; 0.24]	5.2% 9.6%
		0.01	[-0.09; 0.11]	6.8% 10.5%
		0.07	[0.02; 0.13]	23.6% 13.6%
		0.15	[-0.04; 0.34]	1.9% 5.8%
		0.15	[-0.01; 0.31]	2.6% 7.0%
		0.10	[-0.02; 0.22]	4.7% 9.2%
		0.12	[0.10; 0.15]	100.0%
		0.10	[0.04; 0.16]	--
				100.0%

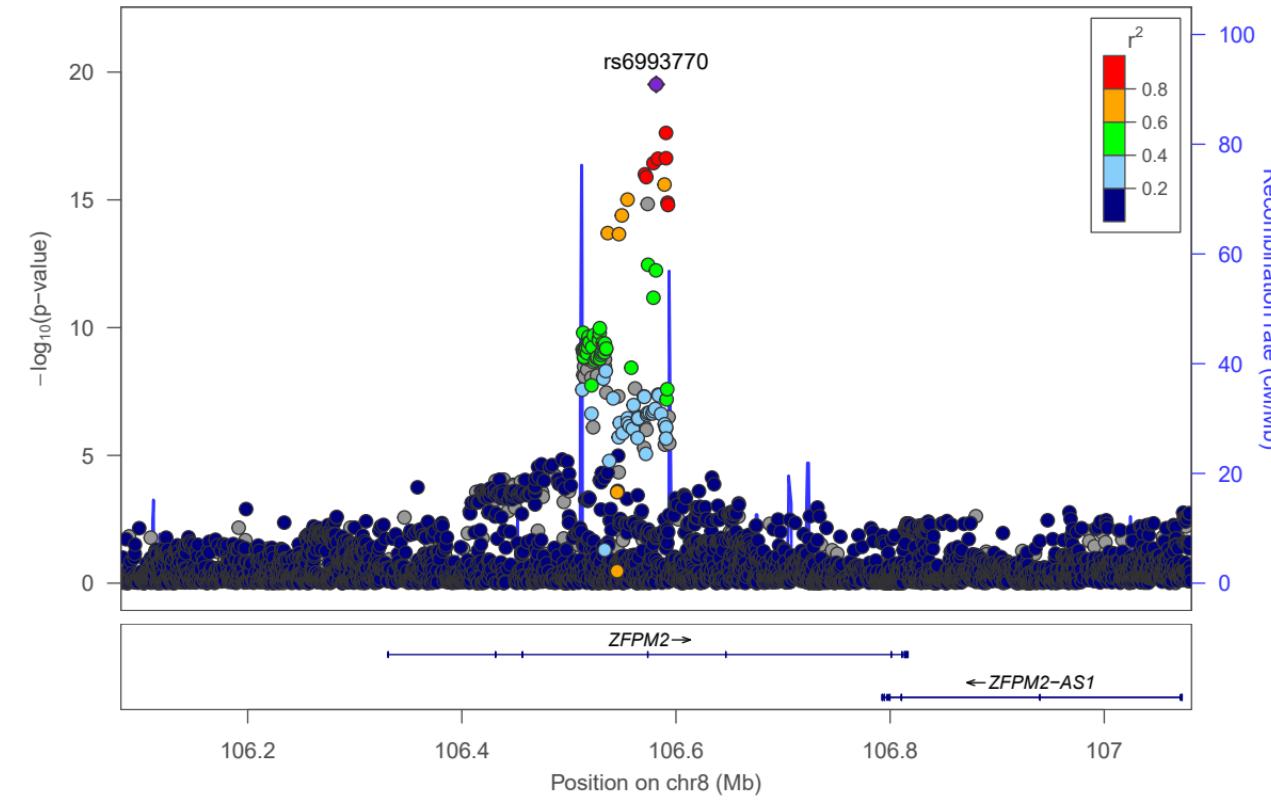
Fixed effect model

Random effects model

Heterogeneity: $I^2 = 73\%$, $\tau^2 = 0.0056$, $p < 0.01$



VEGF_A (VEGFA)-rs6993770



VEGF_A (VEGFA)-rs6475938

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

