

Groups of traits	Tree centred on pathway	Sample size null distribution (# artificial data sets)	MPPI threshold at 5% FDR	log ₁₀ (BF) threshold at 5% FDR	Significant SNPs called at 5% FDR
APOA1⁺	HDL	4,099,410 (3x5)	0.1077	3.192	2
APOB⁺	LDL	4,099,410 (3x5)	0.0577	2.923	4
HDL⁺	HDL	4,099,410 (3x5)	0.0822	3.088	4
LDL⁺	LDL	4,099,410 (3x5)	0.0632	2.965	1
TG⁺	HDL/LDL	4,099,410 (3x5)	0.0291	2.612	5
HDL-APOA1⁺⁺	HDL	4,919,292 (3x6)	0.0042	1.762	6
LDL-APOB⁺⁺	LDL	4,919,292 (3x6)	0.0076	2.019	7
TG-APOA1⁺⁺	HDL	4,919,292 (3x6)	0.0868	3.114	8
TG-APOB⁺⁺	LDL	4,919,292 (3x6)	0.0025	1.541	11
TG-HDL⁺⁺	HDL	4,919,292 (3x6)	0.0026	1.550	10
TG-LDL⁺⁺	LDL	4,919,292 (3x6)	0.0160	2.348	7
TG-HDL-APOA1⁺⁺⁺	HDL	2,459,646 (3x3)	0.0059	1.960	9
TG-HDL-LDL⁺⁺⁺	-	2,459,646 (3x3)	0.0182	2.404	9
TG-LDL-APOB⁺⁺⁺	LDL	2,459,646 (3x3)	0.0151	2.322	8