Study	Data-type	p_1, p_2	p_{12}	Notes
44	eQTL-methQTL	${ m empirical}^1$	${ m empirical^2}$	
27	${\rm GWASeQTL}$	default	default	MS lead SNPs with eQTL signals; independent
				snps in each region
43	GWAS-molQTL	default	default	
36	GWAS-eQTL	default	default	
25	GWAS-methQTL	default	default	
40	${ m GWAS-GWAS^3}$	default	default	tested in 50kb windows around each of 6472 snps
				in HLA region
24	GWAS-chromQTL	default	${ m empirical^4}$	
20	GWAS-eQTL	default	default	post-TWAS;
28	$\rm GWASeQTL^5$	default	default	45 reQTL samples only
29	GWAS-eQTL	default	default	
32	GWAS-methQTL	default	default	
26	GWAS-eQTL			
33	GWAS-eQTL			
35	eQTL-pQTL			
41	${\rm GWASeQTL}$	gwas-pw 50	${\rm gwas\text{-}pw}^{50}$	implemented in coloc2 https://github.com/
				Stahl-Lab-MSSM/coloc2
23	GWAS-eQTL			
31	${\rm GWASeQTL}$	not stated	not stated	
39	${\rm GWASeQTL}$	not stated	not stated	used to confirm primary SMR analysis
38	${\rm GWASeQTL}$	default	default	
21	${\rm GWASeQTL}$	default	default	
22	GWAS-chromQTL	not stated	not stated	

 $Continued\ on\ next\ page$

Table S1: Applied studies which used coloc in 2018

¹set by #indep signals/#tests
2considered range of p12 and compared prior mean of H4 to posterior mean of H4
3pediatric vs adult disease

⁴The default prior on sharing $(P = 1 \times 10^5)$ was used for all primary analyses, with priors $P = 1 \times 10^{-4}$ and $P = 1 \times 10^3$ evaluated separately with all other parameters unchanged.

 $^{^{5}}$ response eQTL

Study	Data-type	p_1, p_2	p_{12}	Notes
37	GWAS-pQTL	default	default	
42	$eQTL\!\!-\!\!pQTL$	estimated 6	p12/(p12+p1)=0.75	used data to inform p1, p2. used conditioning and
				prior beliefs to inform p12
30	${\rm GWASeQTL}$	not stated	not stated	
34	${\rm GWASeQTL}$	default	default	

Table S1: Applied studies which used coloc in 2018. eQTL = expression QTL; mQTL = methylation QTL; pQTL = protein QTL; chromQTL = chromatin mark QTL; molQTL = selection of molecular QTLs

 $^{^6\#\}mathrm{eqtl}$ or $\#\mathrm{pqtl}$ snps/number tested