

**Table S8**

Hotspot location (hg19)	Number of <i>trans</i> -eQTLs	Number of <i>trans</i> -eGenes associated with index eQTL	Traits associated in GWAS with index eQTL	Gene Ontology Enrichment
3:56849749:56865776	2	12684	Platelet count Mean platelet volume	RESPONSE_TO_WOUNDING; PLATELET_DEGRANULATION
7: 50423963:50562361	19	76	Childhood acute lymphoblastic leukemia	CELLULAR_RESPONSE_TO_STRESS; PHOSPHATE_CONTAINING_COMPOUND_METAB TABOLIC_PROCESS
12: 54712308:54736470	2	14	Mean platelet volume	PLATELET_AGGREGATION; HOMOTYPIC_CELL_CELL_ADHESION
12:111884608:112610714	9	13	LDL cholesterol; Blood pressure; Asthma	GTPASE_ACTIVITY; GUANYL_NUCLEOTIDE_BINDING; IMMUNE_RESPONSE
16:57061189:57061189	2	10	HDL cholesterol	ANTIGEN_PROCESSING_AND_PRESENTATION
17: 33796260:33944055	4	51	Mean platelet volume	PLATELET_DEGRANULATION;