Locus 310 (rs11260013)

SNiPAcard

Block annotations

Block info

genomic range	chr19:7,758,154-7,759,715
block size	1,562 bp
variant count	12 variants

Basic features

Conservation/deleteriousness		Linked genes	
phyloP	μ = -0.585 [-2.035 – 0.325]	gene(s) hit or close-by	FCER2
phastCons	μ = 0.005 [0 – 0.02]	eQTL gene(s)	FCER2
GERP++	μ = -0.886 [-3.83 – 1.32]	potentially regulated gene(s)	CCL25
CADD score	μ = 2.513 [0.088 – 6.7]	disease gene(s)	–

Direct effect on regulation

cis-eQTL

gene	transcript	probe	tissue	min(statistic) (type)	source	variant(s)
FCER2	?	ENSG00000104921	blood	1.13×10^{-7} (p-value)	GTEx Portal V6	11
FCER2	ENST00000597921	ILMN_1662451	b-cell	3.36×10^{-5} (p-value)	Fairfax et al.	1
FCER2	ENST00000346664					
FCER2	ENST00000598803					
FCER2	ENST00000597934					
FCER2	ENST00000597312					
FCER2	ENST00000360067					

Putative effect on regulation

Transcription factor binding site variation

transcription factor	binding motif	motif position	highly informative position	score change	variant(s)
EBF1	MA0154.2	1	no	0.009	1

ENCODE promoter-associated distal DHS (Enhancer)

SNiPA enhancer id	variant(s)	associated SNiPA promoter id	associated gene(s)
ENCE00000223034	1	ENCP00000024014	CCL25

Regulatory feature cluster

element id	variant(s)	tissue/cell	factors
ENSR00000342882 (TF binding site)	2	embryonic stem cell (H1ESC)	H3K36me3, H3K27me3
		blood (GM12878)	Tr4, Yy1, PolII, DNase1, H3K79me2, H3K4me3, Pax5, H3K4me2, H3K36me3
		blood (K562)	H3K27me3
		A549	H3K27me3
ENSR00000342883 (TF binding site)	3	embryonic stem cell (H1ESC)	H3K27me3
		blood (GM12878)	H3K4me2, H3K36me3, EBF1, PolII, DNase1, H3K79me2, H3K4me3, H3K27ac
		A549	H3K27me3
		blood (K562)	H3K27me3
		skin (NHEK)	H3K27me3

Putative effect on transcript

Intron variant

gene	affected transcript	RefSeq id	protein	variant(s)
FCER2	ENST00000597921	?	ENSP00000471974	12
FCER2	ENST00000593418	?	ENSP00000472067	12
FCER2	ENST00000360067	NM_001207019.2	ENSP00000353178	12
FCER2	ENST00000346664	NM_002002.4, NM_001220500.1	ENSP00000264072	12
FCER2	ENST00000597934	?	?	12
FCER2	ENST00000598803	?	?	12
FCER2	ENST00000597312	?	?	12