

SNiPACard

Block annotations

Block info

genomic range	chr10:6,008,958-6,027,791 <i>e!</i>
block size	18,834 bp
variant count	15 variants

Basic features

Conservation/deleteriousness		Linked genes	
phyloP	$\mu = -0.162$ [-1.666 – 0.88]	gene(s) hit or close-by	IL15RA <i>e!</i>
phastCons	$\mu = 0.048$ [0 – 0.265]	eQTL gene(s)	IL15RA <i>e!</i>
GERP++	$\mu = -1.081$ [-4.45 – 0.737]	potentially regulated gene(s)	GDI2 <i>e!</i> , RP11-318E3.4 <i>e!</i>
CADD score	$\mu = 3.814$ [0.013 – 12.78]	disease gene(s)	-

Direct effect on regulation

cis-eQTL

gene	transcript	probe	tissue	min(statistic) (type)	source	variant(s)
IL15RA <i>e!</i>	?	ENSG00000134470 <i>e!</i>	transformed fibroblasts	9.34×10 ⁻⁸ (p-value)	GTE Portal V6 <i>!M</i>	15
IL15RA <i>e!</i>	?	ENSG00000134470 <i>e!</i>	blood	4.89×10 ⁻⁹ (p-value)	GTE Portal V6 <i>!M</i>	14

Putative effect on regulation

ENCODE promoter-associated distal DHS (Enhancer)

SNiPA enhancer id	variant(s)	associated SNiPA promoter id	associated gene(s)
ENCE00000065993 <i>e!</i>	1	ENCP00000007580	GDI2 <i>e!</i>
		ENCP00000007581	RP11-318E3.4 <i>e!</i>

Regulatory feature cluster

element id	variant(s)	tissue/cell	factors
ENSR00000350158 <i>e!</i> (promoter flanking region)	1	NHLF	DNase1
		HSMMtube	H3K27me3
		blood (K562)	DNase1
		blood (DND-41)	H3K27me3
		cervix (HeLa-S3)	H3K27ac, H3K4me1, H3K36me3, DNase1
		endothelium (HUVEC)	Cjun, DNase1
		liver (HepG2)	H3K27me3
		blood (GM12878)	H3K4me3, H3K79me2, H3K27ac, H3K4me2
		lung (IMR90)	H3K36me3
		nervous (NH-A)	DNase1

Variation proximal to gene

gene	variant type	min(distance)	transcript	RefSeq id	protein	variant(s)
IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000397248 <i>e!</i>	NM_001256765.1	ENSP00000380421 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	656	ENST00000532039 <i>e!</i>	?	ENSP00000432691 <i>e!</i>	4
IL15RA <i>e!</i>	upstream gene variant	3163	ENST00000447291 <i>e!</i>	?	ENSP00000405128 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2002	ENST00000379974 <i>e!</i>	?	?	2
IL15RA <i>e!</i>	upstream gene variant	2967	ENST00000453922 <i>e!</i>	?	ENSP00000405107 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	1994	ENST00000525219 <i>e!</i>	NM_001243539.1	ENSP00000431529 <i>e!</i>	2

IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000620345 <i>e!</i>	?	ENSP00000479839 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000622442 <i>e!</i>	?	ENSP00000480949 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2674	ENST00000379971 <i>e!</i>	?	ENSP00000369306 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2136	ENST00000534292 <i>e!</i>	?	?	2
IL15RA <i>e!</i>	upstream gene variant	1994	ENST00000379972 <i>e!</i>	?	?	2
IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000397251 <i>e!</i>	?	ENSP00000380423 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2659	ENST00000528354 <i>e!</i>	NM_172200.2	ENSP00000435454 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2689	ENST00000397255 <i>e!</i>	?	ENSP00000380426 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2346	ENST00000397246 <i>e!</i>	?	ENSP00000380420 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2591	ENST00000379977 <i>e!</i>	NM_002189.3	ENSP00000369312 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000618528 <i>e!</i>	?	ENSP00000479938 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2659	ENST00000429135 <i>e!</i>	?	ENSP00000395113 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2570	ENST00000620865 <i>e!</i>	?	ENSP00000478525 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2659	ENST00000397250 <i>e!</i>	?	ENSP00000380422 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2689	ENST00000530685 <i>e!</i>	?	ENSP00000435995 <i>e!</i>	2
IL15RA <i>e!</i>	upstream gene variant	2143	ENST00000532948 <i>e!</i>	?	?	2

Putative effect on transcript

Intron variant

gene	affected transcript	RefSeq id	protein	variant(s)
IL15RA <i>e!</i>	ENST00000622442 <i>e!</i>	?	ENSP00000480949 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000525219 <i>e!</i>	NM_001243539.1	ENSP00000431529 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000528354 <i>e!</i>	NM_172200.2	ENSP00000435454 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000534292 <i>e!</i>	?	?	12
IL15RA <i>e!</i>	ENST00000379971 <i>e!</i>	?	ENSP00000369306 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000397248 <i>e!</i>	NM_001256765.1	ENSP00000380421 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000379972 <i>e!</i>	?	?	12
IL15RA <i>e!</i>	ENST00000397250 <i>e!</i>	?	ENSP00000380422 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000620345 <i>e!</i>	?	ENSP00000479839 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000453922 <i>e!</i>	?	ENSP00000405107 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000618528 <i>e!</i>	?	ENSP00000479938 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000397255 <i>e!</i>	?	ENSP00000380426 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000397246 <i>e!</i>	?	ENSP00000380420 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000379977 <i>e!</i>	NM_002189.3	ENSP00000369312 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000530685 <i>e!</i>	?	ENSP00000435995 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000429135 <i>e!</i>	?	ENSP00000395113 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000397251 <i>e!</i>	?	ENSP00000380423 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000379974 <i>e!</i>	?	?	12
IL15RA <i>e!</i>	ENST00000620865 <i>e!</i>	?	ENSP00000478525 <i>e!</i>	12
IL15RA <i>e!</i>	ENST00000532948 <i>e!</i>	?	?	12



