

Block annotations

Block info


genomic range	chr2:211,317-296,410 <i>e!</i>
block size	85,094 bp
variant count	48 variants

Basic features


Conservation/deleteriousness		Linked genes	
phyloP	$\mu = 0.104$ [-2.209 – 5.667]	gene(s) hit or close-by	AC079779.4 <i>e!</i> , ACP1 <i>e!</i> , FAM150B <i>e!</i> , SH3YL1 <i>e!</i>
phastCons	$\mu = 0.120$ [0 – 1]	eQTL gene(s)	ACP1 <i>e!</i> , SH3YL1 <i>e!</i>
GERP++	$\mu = -0.328$ [-5.58 – 5.87]	potentially regulated gene(s)	ACP1 <i>e!</i> , SH3YL1 <i>e!</i>
CADD score	$\mu = 3.895$ [0.08 – 19.46]	disease gene(s)	-

Trait annotations

Variant association

trait	min(p-value)	source DB	source entry/link	variant(s)
3-(cystein-S-yl)acetaminophen*	4.62×10 ⁻⁵	Metabolomics GWAS Server	24816252 	14

Variant annotation

trait	type	source DB	source entry/link	Variant(s)
Acid phosphatase 1, soluble, a/b polymorphism of	benign	ClinVar	RCV000014681.1 <i>ClinVar</i>	1
ACID PHOSPHATASE 1, SOLUBLE, A/B POLYMORPHISM OF	OMIM curated	OMIM	MIM:171500 	1





Direct effect on transcript

Amino acid sequence alteration

gene	effect type	affected transcript	RefSeq id	protein	exchanged AA's	exchanged codons	SIFT prediction	PolyPhen prediction	variant(s)
ACP1 <i>e!</i>	missense variant	ENST00000272065 <i>e!</i>	NM_004300.3	ENSP00000272065	R/Q	cGa/cAa	?	?	1
ACP1 <i>e!</i>	missense variant	ENST00000453390 <i>e!</i>	?	ENSP00000411121	I/T	aTa/aCa	?	?	1
ACP1 <i>e!</i>	missense variant	ENST00000405233 <i>e!</i>	?	ENSP00000384307	I/T	aTa/aCa	?	?	1
ACP1 <i>e!</i>	missense variant	ENST00000407983 <i>e!</i>	NM_001040649.2	ENSP00000385404	I/T	aTa/aCa	?	?	1
ACP1 <i>e!</i>	missense variant	ENST00000272067 <i>e!</i>	NM_007099.3	ENSP00000272067	R/Q	cGa/cAa	?	?	1

Direct effect on regulation

cis-eQTL

gene	transcript	probe	tissue	min(statistic) (type)	source	variant(s)
SH3YL1 <i>e!</i>	?	ENSG00000035115 <i>e!</i>	pancreas	4.33×10 ⁻³⁰ (p-value)	GTEx Portal V6 	46
SH3YL1 <i>e!</i>	?	ENSG00000035115 <i>e!</i>	muscularis mucosae	2.30×10 ⁻¹¹ (p-value)	GTEx Portal V6 	46
ACP1 <i>e!</i>	?	ENSG00000143727 <i>e!</i>	muscularis mucosae	1.02×10 ⁻⁶ (p-value)	GTEx Portal V6 	41
SH3YL1 <i>e!</i>	?	ENSG00000035115 <i>e!</i>	lung	2.20×10 ⁻⁶ (p-value)	GTEx Portal V6 	41

SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	atrial appendage	5.26×10 ⁻¹² (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	tibial artery	3.69×10 ⁻⁶ (p-value)	GTEx Portal V6	31
ACP1 <i>e!</i> ?	ENSG00000143727 <i>e!</i>	tibial artery	1.67×10 ⁻⁶ (p-value)	GTEx Portal V6	19
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	blood	3.57×10 ⁻³⁰ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	thyroid	2.73×10 ⁻³⁷ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	skeletal muscle	2.13×10 ⁻¹³ (p-value)	GTEx Portal V6	46
ACP1 <i>e!</i> ?	ENSG00000143727 <i>e!</i>	skeletal muscle	5.67×10 ⁻⁶ (p-value)	GTEx Portal V6	2
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	transverse colon	3.79×10 ⁻⁹ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	unexposed skin	3.10×10 ⁻³⁶ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	sun exposed skin	3.04×10 ⁻⁵⁴ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	left ventricle	1.07×10 ⁻¹² (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	subcutaneous adipocytes	4.80×10 ⁻⁸ (p-value)	GTEx Portal V6	44
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	stomach	5.68×10 ⁻⁷ (p-value)	GTEx Portal V6	40
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	sigmoid colon	5.87×10 ⁻⁸ (p-value)	GTEx Portal V6	44
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	tibial nerve	8.72×10 ⁻¹⁷ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	esophagus mucosa	3.58×10 ⁻⁷⁵ (p-value)	GTEx Portal V6	46
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	ovary	7.94×10 ⁻⁷ (p-value)	GTEx Portal V6	37
SH3YL1 <i>e!</i> ENST00000479739 <i>e!</i>	ILMN_1712231 <i>e!</i>	b-cell	5.27×10 ⁻¹¹ (p-value)	Fairfax et al.	5
SH3YL1 <i>e!</i> ENST00000356150 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000463865 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000403712 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000403657 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000473104 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000405430 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000468321 <i>e!</i>					
SH3YL1 <i>e!</i> ENST00000626873 <i>e!</i>					
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	blood	8.90×10 ⁻³ (q-value)	SeeQTL DB (HapMap)	8
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	adrenal gland	1.45×10 ⁻⁶ (p-value)	GTEx Portal V6	27
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	terminal ileum	1.86×10 ⁻⁶ (p-value)	GTEx Portal V6	1
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	transformed fibroblasts	1.11×10 ⁻⁵ (p-value)	GTEx Portal V6	1
SH3YL1 <i>e!</i> ?	ENSG00000035115 <i>e!</i>	aorta	8.96×10 ⁻⁶ (p-value)	GTEx Portal V6	1

Putative effect on regulation

ENCODE promoter-associated DHS

SNiPA promoter id	variant(s)	associated gene(s)
ENCP00000024883 <i>e!</i>		
ENCP00000024888 <i>e!</i>		

ENCODE promoter-associated distal DHS (Enhancer)


SNiPA enhancer id	variant(s)	associated SNiPA promoter id	associated gene(s)
ENCE00000234638 <i>e!</i>	1	ENCP00000024888	SH3YL1 <i>e!</i>
		ENCP00000024889	ACP1 <i>e!</i>

Regulatory feature cluster

element id	variant(s)	tissue/cell	factors
ENSR00001538827 <i>e!</i> (promoter)	3	embryonic stem cell (H1ESC)	DNase1, H3K4me3, H3K9ac, USF1, H3K4me2, TAF1, Yy1, H3K27ac, TAF7, Egr1, PolII, H3K27me3
		HSMMtube	H3K79me2, H3K4me2, H3K4me3, H2AZ, DNase1
		blood (K562)	Egr1, H3K27ac, Max, H3K9ac, Cmyc, H3K79me2, HEY1, H2AZ, PolII, H3K4me2, H3K36me3, H3K27me3, DNase1, H3K4me3
		skin (NHDF-AD)	H3K4me3, DNase1, H3K9ac, H3K4me2
		muscle (HSMM)	DNase1, H3K36me3, H3K9ac, H2AZ, H3K79me2, H3K4me3, H3K27ac, H3K4me2
		liver (HepG2)	FOXA1, H3K9ac, H3K27ac, Cmyc, H3K4me3, H3K27me3, H3K4me2, Yy1, H4K20me1, PolII, H3K79me2, TAF1, H3K4me1, DNase1
		blood (GM12878)	H3K79me2, Yy1, DNase1, H2AZ, PolII, Cmyc, H3K4me3, H3K27ac, H3K36me3, H3K9ac, H3K4me2, ZEB1
		lung (IMR90)	H3K79me2, H3K27ac, H3K4me2, H4K5ac, H3K36me3, H3K4me3, H3K9ac, DNase1
		nervous (NH-A)	DNase1, H3K9ac, H3K4me2, H3K4me3, H3K27ac
		skin (NHEK)	CTCF, H3K27ac, H3K9ac, H3K4me2, H3K4me3, DNase1
		NHLF	DNase1, H3K4me3, H3K9ac, H3K27ac
		Osteobl	H3K4me2, H3K4me3, H3K27ac, H2AZ
		blood (DND-41)	H3K4me1, H3K4me2, H3K27ac, H3K9ac, H3K4me3, H3K36me3
		breast (HMEC)	H3K9ac, H3K4me2, H3K4me3, H3K27ac, DNase1
		cervix (HeLa-S3)	DNase1, Nrf1, H3K9ac, H3K4me2, H3K27ac, TAF1, H3K4me3, H3K79me2, PolII, H3K36me3
		monocytes (Monocytes-CD14+)	DNase1, H3K4me2, H3K27ac, H3K9ac, H3K27me3, H3K4me3
		endothelium (HUVEC)	H3K36me3, Cmyc, DNase1, PolII, H3K4me2, H3K4me3, Max
A549	H3K4me3, H3K4me2, H3K36me3, H3K27ac, DNase1, H3K9ac		
ENSR00000675428 <i>e!</i> (CTCF binding site)	1	embryonic stem cell (H1ESC)	Rad21, H3K36me3, CTCF
		Osteobl	H3K36me3
		blood (DND-41)	H3K36me3
		blood (K562)	H3K36me3
		muscle (HSMM)	H3K36me3
		cervix (HeLa-S3)	CTCF, H3K36me3
		monocytes (Monocytes-CD14+)	H3K36me3
		endothelium (HUVEC)	H3K36me3
		liver (HepG2)	H3K79me2, Rad21, CTCF, H3K36me3
		lung (IMR90)	H3K36me3
		blood (GM12878)	H3K36me3
		A549	H3K36me3
skin (NHEK)	CTCF		
ENSR00001649416 <i>e!</i> (CTCF binding site)	2	NHLF	DNase1
		embryonic stem cell (H1ESC)	DNase1, H3K27me3
		skin (NHDF-AD)	DNase1
		monocytes (Monocytes-CD14+)	H3K27me3
		endothelium (HUVEC)	H3K27me3
		liver (HepG2)	H3K36me3
		lung (IMR90)	DNase1
nervous (NH-A)	DNase1		
ENSR00000584027 <i>e!</i> (promoter flanking region)	2	NHLF	DNase1
		embryonic stem cell (H1ESC)	DNase1, H3K27me3
		blood (DND-41)	H3K36me3
		skin (NHDF-AD)	DNase1
		monocytes (Monocytes-CD14+)	H3K27me3
		endothelium (HUVEC)	H3K27me3
		liver (HepG2)	H3K36me3
		lung (IMR90)	DNase1
nervous (NH-A)	DNase1		

Variation in RISC binding site

gene	variant(s)	affected transcript(s)	targeting miRNA(s)
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ACP1 *e!* ENST00000272065 *e!* hsa-miR-9-5p 
 ENST00000272067 *e!*
 ENST00000405364 *e!*
 ENST00000413140 *e!*
 ENST00000442386 *e!*
 ENST00000453390 *e!*
 ENST00000463831 *e!*
 ENST00000480874 *e!*
 ENST00000484464 *e!*

Variation proximal to gene

gene	variant type	min(distance)	transcript	RefSeq id	protein	variant(s)
AC079779.4 <i>e!</i>	upstream gene variant	1096	ENST00000427831 <i>e!</i> ?	?		3
AC079779.4 <i>e!</i>	upstream gene variant	948	ENST00000450709 <i>e!</i> ?	?		3
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	251	ENST00000272065 <i>e!</i>	NM_004300.3	ENSP00000272065 <i>e!</i>	7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	2370	ENST00000463831 <i>e!</i> ?	?		6
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	272	ENST00000413140 <i>e!</i> ?	?	ENSP00000410331 <i>e!</i>	7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	248	ENST00000272067 <i>e!</i>	NM_007099.3	ENSP00000272067 <i>e!</i>	7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	295	ENST00000439645 <i>e!</i> ?	?	ENSP00000408596 <i>e!</i>	6
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	279	ENST00000442386 <i>e!</i> ?	?	ENSP00000389681 <i>e!</i>	7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	584	ENST00000484464 <i>e!</i> ?	?		7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	344	ENST00000453390 <i>e!</i> ?	?	ENSP00000411121 <i>e!</i>	7
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	279	ENST00000407983 <i>e!</i>	NM_001040649.2	ENSP00000385404 <i>e!</i>	6
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	298	ENST00000405364 <i>e!</i> ?	?	ENSP00000384184 <i>e!</i>	5
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	121	ENST00000484125 <i>e!</i> ?	?		6
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	315	ENST00000480874 <i>e!</i> ?	?		5
ACP1 <i>e!</i>	upstream gene variant, downstream gene variant	305	ENST00000405233 <i>e!</i> ?	?	ENSP00000384307 <i>e!</i>	6
FAM150B <i>e!</i>	downstream gene variant	468	ENST00000463919 <i>e!</i> ?	?		4
FAM150B <i>e!</i>	downstream gene variant, upstream gene variant	974	ENST00000452023 <i>e!</i> ?	?	ENSP00000389939 <i>e!</i>	4
FAM150B <i>e!</i>	downstream gene variant	2926	ENST00000405290 <i>e!</i> ?	?	ENSP00000385672 <i>e!</i>	1
FAM150B <i>e!</i>	downstream gene variant	2926	ENST00000619265 <i>e!</i> ?	?	ENSP00000478180 <i>e!</i>	1
FAM150B <i>e!</i>	downstream gene variant	2926	ENST00000401489 <i>e!</i> ?	?	ENSP00000385214 <i>e!</i>	1
FAM150B <i>e!</i>	downstream gene variant	2948	ENST00000344414 <i>e!</i> ?	?	ENSP00000339565 <i>e!</i>	1
FAM150B <i>e!</i>	downstream gene variant	2763	ENST00000401503 <i>e!</i> ?	?	ENSP00000385537 <i>e!</i>	1
FAM150B <i>e!</i>	downstream gene variant	2555	ENST00000403610 <i>e!</i>	NM_001002919.2	ENSP00000384604 <i>e!</i>	2
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	387	ENST00000468321 <i>e!</i> ?	?		7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	2557	ENST00000472861 <i>e!</i> ?	?		6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	195	ENST00000403712 <i>e!</i>	NM_001159597.2	ENSP00000384276 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	162	ENST00000356150 <i>e!</i>	NM_015677.3	ENSP00000348471 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	36	ENST00000471948 <i>e!</i> ?	?		11
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	588	ENST00000403657 <i>e!</i> ?	?	ENSP00000385668 <i>e!</i>	6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	1661	ENST00000602998 <i>e!</i> ?	?		2
SH3YL1 <i>e!</i>	upstream gene variant	2557	ENST00000402632 <i>e!</i> ?	?	ENSP00000384910 <i>e!</i>	4
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	2302	ENST00000477707 <i>e!</i> ?	?		6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	969	ENST00000462719 <i>e!</i> ?	?		6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	280	ENST00000403658 <i>e!</i>	NM_001282682.1	ENSP00000383928 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant	923	ENST00000481932 <i>e!</i> ?	?	ENSP00000474411 <i>e!</i>	5

SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	48	ENST00000405430 <i>e!</i> ?	ENSP00000384269 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	438	ENST00000431160 <i>e!</i> ?	ENSP00000399519 <i>e!</i>	8
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	590	ENST00000473104 <i>e!</i> ?	?	6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	25	ENST00000472012 <i>e!</i> ?	?	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	229	ENST00000463865 <i>e!</i> ?	?	6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	713	ENST00000415368 <i>e!</i> ?	ENSP00000410235 <i>e!</i>	5
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	411	ENST00000451005 <i>e!</i> ?	ENSP00000416312 <i>e!</i>	5
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	53	ENST00000488979 <i>e!</i> ?	?	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	1428	ENST00000454318 <i>e!</i> ?	ENSP00000415723 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	1382	ENST00000475027 <i>e!</i> ?	?	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	1174	ENST00000497051 <i>e!</i> ?	?	5
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	225	ENST00000488044 <i>e!</i> ?	?	10
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	167	ENST00000460974 <i>e!</i> ?	?	6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	69	ENST00000626873 <i>e!</i> NM_001282687.1	ENSP00000485824 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	1213	ENST00000605370 <i>e!</i> ?	?	6
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	394	ENST00000479739 <i>e!</i> ?	ENSP00000441266 <i>e!</i>	7
SH3YL1 <i>e!</i>	downstream gene variant, upstream gene variant	2133	ENST00000465733 <i>e!</i> ?	?	6

Putative effect on transcript

Synonymous coding variant

gene	affected transcript	RefSeq id	protein	AA's	exchanged codons	variant(s)
ACP1 <i>e!</i>	ENST00000439645 <i>e!</i>	?	ENSP00000408596 <i>e!</i>	D	gaT/gaC	1
ACP1 <i>e!</i>	ENST00000272067 <i>e!</i>	NM_007099.3	ENSP00000272067 <i>e!</i>	D	gaT/gaC	1
SH3YL1 <i>e!</i>	ENST00000626873 <i>e!</i>	NM_001282687.1	ENSP00000485824 <i>e!</i>	S	agC/agT	1
SH3YL1 <i>e!</i>	ENST00000356150 <i>e!</i>	NM_015677.3	ENSP00000348471 <i>e!</i>	S	agC/agT	1
SH3YL1 <i>e!</i>	ENST00000405430 <i>e!</i>	?	ENSP00000384269 <i>e!</i>	S	agC/agT	1

Non-coding exon variant (splice region)

gene	affected transcript	RefSeq id	variant(s)
SH3YL1 <i>e!</i>	ENST00000468321 <i>e!</i>	?	1
SH3YL1 <i>e!</i>	ENST00000463865 <i>e!</i>	?	1
SH3YL1 <i>e!</i>	ENST00000472012 <i>e!</i>	?	1

Intron variant

gene	affected transcript	RefSeq id	protein	variant(s)
AC079779.4 <i>e!</i>	ENST00000450709 <i>e!</i>	?	?	1
AC079779.4 <i>e!</i>	ENST00000427831 <i>e!</i>	?	?	5
ACP1 <i>e!</i>	ENST00000407983 <i>e!</i>	NM_001040649.2	ENSP00000385404 <i>e!</i>	5
ACP1 <i>e!</i>	ENST00000484125 <i>e!</i>	?	?	2
ACP1 <i>e!</i>	ENST00000484464 <i>e!</i>	?	?	7
ACP1 <i>e!</i>	ENST00000439645 <i>e!</i>	?	ENSP00000408596 <i>e!</i>	6
ACP1 <i>e!</i>	ENST00000272067 <i>e!</i>	NM_007099.3	ENSP00000272067 <i>e!</i>	7

ACP1 <i>e!</i>	ENST00000480874 <i>e!</i>	?	?	7
ACP1 <i>e!</i>	ENST00000442386 <i>e!</i>	?	ENSP00000389681 <i>e!</i>	7
ACP1 <i>e!</i>	ENST00000413140 <i>e!</i>	?	ENSP00000410331 <i>e!</i>	7
ACP1 <i>e!</i>	ENST00000453390 <i>e!</i>	?	ENSP00000411121 <i>e!</i>	6
ACP1 <i>e!</i>	ENST00000272065 <i>e!</i>	NM_004300.3	ENSP00000272065 <i>e!</i>	7
ACP1 <i>e!</i>	ENST00000405364 <i>e!</i>	?	ENSP00000384184 <i>e!</i>	7
ACP1 <i>e!</i>	ENST00000405233 <i>e!</i>	?	ENSP00000384307 <i>e!</i>	5
FAM150B <i>e!</i>	ENST00000463919 <i>e!</i>	?	?	1
FAM150B <i>e!</i>	ENST00000405290 <i>e!</i>	?	ENSP00000385672 <i>e!</i>	6
FAM150B <i>e!</i>	ENST00000619265 <i>e!</i>	?	ENSP00000478180 <i>e!</i>	6
FAM150B <i>e!</i>	ENST00000452023 <i>e!</i>	?	ENSP00000389939 <i>e!</i>	3
FAM150B <i>e!</i>	ENST00000344414 <i>e!</i>	?	ENSP00000339565 <i>e!</i>	6
FAM150B <i>e!</i>	ENST00000401503 <i>e!</i>	?	ENSP00000385537 <i>e!</i>	6
FAM150B <i>e!</i>	ENST00000401489 <i>e!</i>	?	ENSP00000385214 <i>e!</i>	6
FAM150B <i>e!</i>	ENST00000403610 <i>e!</i>	NM_001002919.2	ENSP00000384604 <i>e!</i>	6
SH3YL1 <i>e!</i>	ENST00000468321 <i>e!</i>	?	?	25
SH3YL1 <i>e!</i>	ENST00000626873 <i>e!</i>	NM_001282687.1	ENSP00000485824 <i>e!</i>	24
SH3YL1 <i>e!</i>	ENST00000356150 <i>e!</i>	NM_015677.3	ENSP00000348471 <i>e!</i>	24
SH3YL1 <i>e!</i>	ENST00000463865 <i>e!</i>	?	?	25
SH3YL1 <i>e!</i>	ENST00000479739 <i>e!</i>	?	ENSP00000441266 <i>e!</i>	21
SH3YL1 <i>e!</i>	ENST00000465733 <i>e!</i>	?	?	4
SH3YL1 <i>e!</i>	ENST00000403657 <i>e!</i>	?	ENSP00000385668 <i>e!</i>	22
SH3YL1 <i>e!</i>	ENST00000462719 <i>e!</i>	?	?	4
SH3YL1 <i>e!</i>	ENST00000488044 <i>e!</i>	?	?	14
SH3YL1 <i>e!</i>	ENST00000481932 <i>e!</i>	?	ENSP00000474411 <i>e!</i>	2
SH3YL1 <i>e!</i>	ENST00000451005 <i>e!</i>	?	ENSP00000416312 <i>e!</i>	18
SH3YL1 <i>e!</i>	ENST00000431160 <i>e!</i>	?	ENSP00000399519 <i>e!</i>	8
SH3YL1 <i>e!</i>	ENST00000460974 <i>e!</i>	?	?	1
SH3YL1 <i>e!</i>	ENST00000475027 <i>e!</i>	?	?	13
SH3YL1 <i>e!</i>	ENST00000405430 <i>e!</i>	?	ENSP00000384269 <i>e!</i>	24
SH3YL1 <i>e!</i>	ENST00000415368 <i>e!</i>	?	ENSP00000410235 <i>e!</i>	7
SH3YL1 <i>e!</i>	ENST00000473104 <i>e!</i>	?	?	23
SH3YL1 <i>e!</i>	ENST00000488979 <i>e!</i>	?	?	12
SH3YL1 <i>e!</i>	ENST00000402632 <i>e!</i>	?	ENSP00000384910 <i>e!</i>	13
SH3YL1 <i>e!</i>	ENST00000497051 <i>e!</i>	?	?	6
SH3YL1 <i>e!</i>	ENST00000454318 <i>e!</i>	?	ENSP00000415723 <i>e!</i>	13
SH3YL1 <i>e!</i>	ENST00000471948 <i>e!</i>	?	?	12
SH3YL1 <i>e!</i>	ENST00000472012 <i>e!</i>	?	?	7
SH3YL1 <i>e!</i>	ENST00000403658 <i>e!</i>	NM_001282682.1	ENSP00000383928 <i>e!</i>	25
SH3YL1 <i>e!</i>	ENST00000403712 <i>e!</i>	NM_001159597.2	ENSP00000384276 <i>e!</i>	24
SH3YL1 <i>e!</i>	ENST00000472861 <i>e!</i>	?	?	4

SH3YL1 *e!* ENST00000477707 *e!* ? ? 4

3'-UTR variant

gene	affected transcript	RefSeq id	protein	variant(s)
ACP1 <i>e!</i>	ENST00000442386 <i>e!</i>	?	ENSP00000389681 <i>e!</i>	2
ACP1 <i>e!</i>	ENST00000413140 <i>e!</i>	?	ENSP00000410331 <i>e!</i>	2
ACP1 <i>e!</i>	ENST00000453390 <i>e!</i>	?	ENSP00000411121 <i>e!</i>	1
ACP1 <i>e!</i>	ENST00000405364 <i>e!</i>	?	ENSP00000384184 <i>e!</i>	1
SH3YL1 <i>e!</i>	ENST00000626873 <i>e!</i>	NM_001282687.1	ENSP00000485824 <i>e!</i>	5
SH3YL1 <i>e!</i>	ENST00000356150 <i>e!</i>	NM_015677.3	ENSP00000348471 <i>e!</i>	5
SH3YL1 <i>e!</i>	ENST00000479739 <i>e!</i>	?	ENSP00000441266 <i>e!</i>	4
SH3YL1 <i>e!</i>	ENST00000403657 <i>e!</i>	?	ENSP00000385668 <i>e!</i>	5
SH3YL1 <i>e!</i>	ENST00000481932 <i>e!</i>	?	ENSP00000474411 <i>e!</i>	1
SH3YL1 <i>e!</i>	ENST00000405430 <i>e!</i>	?	ENSP00000384269 <i>e!</i>	5
SH3YL1 <i>e!</i>	ENST00000402632 <i>e!</i>	?	ENSP00000384910 <i>e!</i>	3
SH3YL1 <i>e!</i>	ENST00000403712 <i>e!</i>	NM_001159597.2	ENSP00000384276 <i>e!</i>	5

5'-UTR variant

gene	affected transcript	RefSeq id	protein	variant(s)
SH3YL1 <i>e!</i>	ENST00000356150 <i>e!</i>	NM_015677.3	ENSP00000348471 <i>e!</i>	1
SH3YL1 <i>e!</i>	ENST00000403712 <i>e!</i>	NM_001159597.2	ENSP00000384276 <i>e!</i>	1

Non-coding exon variant

gene	affected transcript	RefSeq id	variant(s)
ACP1 <i>e!</i>	ENST00000484125 <i>e!</i>	?	1
ACP1 <i>e!</i>	ENST00000484464 <i>e!</i>	?	2
ACP1 <i>e!</i>	ENST00000463831 <i>e!</i>	?	2
SH3YL1 <i>e!</i>	ENST00000468321 <i>e!</i>	?	4
SH3YL1 <i>e!</i>	ENST00000602998 <i>e!</i>	?	1
SH3YL1 <i>e!</i>	ENST00000463865 <i>e!</i>	?	5
SH3YL1 <i>e!</i>	ENST00000473104 <i>e!</i>	?	4
SH3YL1 <i>e!</i>	ENST00000471948 <i>e!</i>	?	3

