

( HaploReg, v4.1, <http://archive.broadinstitute.org/mammals/haploreg/haploreg.php>)

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					AFR	AMR	ASN	EUR	GERP	SiPhy	Promoter	Enhancer
chr	pos (hg38)	variant	Ref	Alt	freq	freq	freq	freq	cons	cons	histone	histone
											marks	marks
11	102722517	<a href="#">rs1940475</a>	T	C	0.72	0.54	0.59	0.53				BLD
11	102799764	<a href="#">rs1799750</a>	TC	T	0.55	0.44	0.33	0.49				6 tissues
11	102842889	<a href="#">rs679620</a>	T	C	0.71	0.64	0.67	0.54				
16	55477894	<a href="#">rs243865</a>	C	T	0.02	0.19	0.09	0.27			4 tissues	15 tissues
20	46007337	<a href="#">rs3918242</a>	C	T	0.12	0.09	0.17	0.17				BLD, THYM, SPLN
20	46009497	<a href="#">rs3918249</a>	T	C	0.56	0.31	0.72	0.39			4 tissues	BLD
20	46011586	<a href="#">rs17576</a>	A	G	0.35	0.28	0.72	0.39			17 tissues	4 tissues
20	46013092	<a href="#">rs3787268</a>	G	A	0.09	0.16	0.36	0.21			BLD, SKIN	BLD
20	46013767	<a href="#">rs2250889</a>	G	C	0.82	0.80	0.76	0.95			24 tissues	
20	46014472	<a href="#">rs17577</a>	G	A,C	0.17	0.10	0.18	0.18			21 tissues	SKIN

	Proteins	Motifs	NHGRI/EBI	GRASP QTL	Selected eQTL	GENCODE
DNAse	bound	changed	GWAS hits	hits	hits	genes
BLD,BLD		CIZ,Myc,NF-AT1		1 hit	2 hits	<i>MMP8</i>
5 tissues	CFOS,GATA2	21 altered motifs			8 hits	1.6kb 5' of <i>MMP1</i>
		p300			3 hits	<i>MMP3</i>
ESDR,IPSC, MUS		Myf		1 hit	1 hit	<i>MMP2</i>
IPSC		4 altered motifs		1 hit	6 hits	1.6kb 5' of <i>MMP9</i>
BLD,BLD		4 altered motifs			9 hits	<i>MMP9</i>
ESC		Pax-4			12 hits	<i>MMP9</i>
BLD,BLD		6 altered motifs			4 hits	<i>MMP9</i>
15 tissues	CTCF	NRSF				<i>MMP9</i>
22 tissues	4 bound proteins			1 hit	6 hits	<i>MMP9</i>

RefSeq	dbSNP
genes	func annot
<i>MMP8</i>	missense
<i>LOC100288077</i>	intronic
<i>MMP3</i>	missense
<i>1.3kb 5' of MMP2</i>	
<i>1.6kb 5' of MMP9</i>	
<i>MMP9</i>	intronic
<i>MMP9</i>	missense
<i>MMP9</i>	intronic
<i>MMP9</i>	missense
<i>MMP9</i>	missense