

Supplementary table S4 Regulatory effects of the ten BC-associated SNPs of the *M* ( HaploReg, v4.1, <http://archive.broadinstitute.org/mammals/haploreg/haploreg.php>)

Query SNP: **rs1940475** and variants with  $r^2 \geq 0.8$

chr	pos (hg38)	(r <sup>2</sup> )	(D')	LD		Ref	Alt	AFR		AMR		ASN		EUR		GERP		SiPhy		Promoter histone marks
				LD	LD			freq	cons	cons										
11	102721214	0.85	1	<a href="#">rs2186602</a>		T	C	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102722311	0.85	1	<a href="#">rs948218</a>		T	A	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102722322	1	1	<a href="#">rs1940474</a>		G	T	0.65	0.54	0.59	0.59	0.53	0.53	0.53						
11	102722517	1	1	<a href="#">rs1940475</a>		T	C	0.72	0.54	0.59	0.59	0.53	0.53	0.53						
11	102723248	0.85	1	<a href="#">rs7123658</a>		A	T	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102723645	0.85	1	<a href="#">rs6590983</a>		A	C	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102724404	1	1	<a href="#">rs1939012</a>		T	C	0.76	0.54	0.59	0.59	0.53	0.53	0.53						
11	102724761	0.85	1	<a href="#">rs3765620</a>		G	A	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102725749	0.84	1	<a href="#">rs11225395</a>		A	G	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102726340	0.84	1	<a href="#">rs33952053</a>		TG	T	0.82	0.59	0.60	0.60	0.57	0.57	0.57						
11	102727079	0.84	1	<a href="#">rs1939013</a>		T	C	0.83	0.59	0.60	0.60	0.57	0.57	0.57						
11	102727181	0.84	1	<a href="#">rs1939014</a>		A	T	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102727628	0.84	1	<a href="#">rs3758857</a>		T	C	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102727726	0.84	1	<a href="#">rs3758858</a>		G	A	0.81	0.59	0.60	0.60	0.57	0.57	0.57					BLD, MUS	
11	102727749	0.99	1	<a href="#">rs3758859</a>		C	A	0.65	0.54	0.59	0.59	0.53	0.53	0.53					BLD, MUS	
11	102727924	0.84	1	<a href="#">rs6590985</a>		T	C	0.81	0.59	0.60	0.60	0.57	0.57	0.57					BLD, MUS	
11	102728128	0.84	1	<a href="#">rs6590986</a>		C	T	0.81	0.59	0.60	0.60	0.57	0.57	0.57						
11	102729275	0.84	1	<a href="#">rs10750653</a>		A	G	0.82	0.59	0.60	0.60	0.57	0.57	0.57						

Query SNP: **rs1799750** and variants with  $r^2 \geq 0.8$

chr	pos (hg38)	(r <sup>2</sup> )	(D')	LD		Ref	Alt	AFR		AMR		ASN		EUR		GERP		SiPhy		Promoter histone marks
				LD	LD			freq	cons	cons										
11	102799764	1	1	<a href="#">rs1799750</a>		TC	T	0.55	0.44	0.33	0.49									

Query SNP: **rs679620** and variants with  $r^2 \geq 0.8$

chr	pos (hg38)	(r <sup>2</sup> )	(D')	LD		Ref	Alt	AFR		AMR		ASN		EUR		GERP		SiPhy		Promoter histone marks
				LD	LD			freq	cons	cons										
11	102807707	0.82	-0.92	<a href="#">rs526215</a>		C	T	0.04	0.34	0.15	0.45							ESC, IPSC, LNG		

11	102808321	0.81	-0.92	<a href="#">rs1144396</a>	C	A	0.51	0.37	0.33	0.45										
11	102808927	0.82	-0.92	<a href="#">rs565082</a>	T	C	0.41	0.37	0.33	0.45										
11	102811772	0.81	-0.91	<a href="#">rs502174</a>	A	C	0.42	0.37	0.32	0.45										
11	102816687	0.83	-0.93	<a href="#">rs10791596</a>	T	C	0.41	0.36	0.33	0.45										
11	102819770	0.89	-0.96	<a href="#">rs2097248</a>	C	T	0.41	0.37	0.33	0.47										
11	102819867	0.84	-0.92	<a href="#">rs200587503</a>	T	TG	0.42	0.36	0.33	0.46										
11	102820431	0.9	-0.96	<a href="#">rs756544</a>	G	C	0.34	0.37	0.33	0.46										
11	102820659	0.91	-0.97	<a href="#">rs12804136</a>	G	A	0.41	0.37	0.33	0.47										
11	102820751	0.9	-0.97	<a href="#">rs11225434</a>	T	C	0.39	0.37	0.33	0.47										
11	102821493	0.91	-0.97	<a href="#">rs7117013</a>	A	G	0.43	0.38	0.33	0.47										
11	102822132	0.91	-0.97	<a href="#">rs10895364</a>	C	T	0.43	0.39	0.33	0.47										
11	102822879	0.92	-0.98	<a href="#">rs12801529</a>	T	A	0.40	0.38	0.33	0.47										
11	102823462	0.92	-0.98	<a href="#">rs10895365</a>	C	T	0.39	0.37	0.33	0.47										
11	102825487	0.89	-0.96	<a href="#">rs6590993</a>	G	T	0.39	0.37	0.33	0.47										
11	102825901	0.92	-0.98	<a href="#">rs6590994</a>	C	T	0.34	0.37	0.33	0.47										
11	102826358	0.96	-0.98	<a href="#">rs10895366</a>	G	A	0.03	0.34	0.15	0.46										
11	102826390	0.96	-0.98	<a href="#">rs7126392</a>	G	A	0.38	0.36	0.32	0.46										
11	102826825	0.94	-0.97	<a href="#">rs2212637</a>	C	T	0.41	0.37	0.33	0.46										
11	102827605	0.96	-0.98	<a href="#">rs12792871</a>	C	G	0.03	0.35	0.15	0.46										
11	102827993	0.95	-0.98	<a href="#">rs7926920</a>	G	A	0.40	0.37	0.33	0.46										
11	102828729	0.92	-0.96	<a href="#">rs7946057</a>	A	T	0.40	0.37	0.33	0.46										
11	102830290	0.98	-1	<a href="#">rs1010698</a>	G	T	0.40	0.37	0.33	0.46										
11	102831127	0.98	-1	<a href="#">rs2155013</a>	T	C	0.40	0.37	0.33	0.46									FAT, GI	
11	102831532	0.98	-1	<a href="#">rs4754884</a>	G	A	0.40	0.37	0.33	0.46									22 tissues	
11	102832897	0.99	1	<a href="#">rs635746</a>	A	G	0.58	0.62	0.67	0.54									GI	
11	102833340	0.99	1	<a href="#">rs633962</a>	C	T	0.56	0.62	0.68	0.54									GI	
11	102833449	0.99	1	<a href="#">rs666734</a>	G	C	0.58	0.62	0.67	0.54									GI	
11	102834166	0.99	1	<a href="#">rs595840</a>	A	G	0.71	0.64	0.67	0.54									GI	
11	102836608	0.99	1	<a href="#">rs639752</a>	C	A	0.56	0.62	0.67	0.54										
11	102837183	0.98	0.99	<a href="#">rs575027</a>	A	G	0.58	0.62	0.67	0.54										
11	102838694	0.98	0.99	<a href="#">rs520540</a>	A	G	0.58	0.62	0.68	0.54										
11	102840607	1	1	<a href="#">rs591058</a>	T	C	0.69	0.63	0.67	0.54										
11	102842734	1	1	<a href="#">rs602128</a>	A	G	0.57	0.62	0.67	0.54										
11	102842889	1	1	<a href="#">rs679620</a>	T	C	0.71	0.64	0.67	0.54										

11	102843046	1	1	<a href="#">rs678815</a>	G	C	0.69	0.63	0.67	0.54	
11	102843985	0.99	0.99	<a href="#">rs617819</a>	C	G	0.71	0.64	0.67	0.54	
11	102844950	0.99	0.99	<a href="#">rs632478</a>	T	G	0.69	0.63	0.67	0.54	
11	102845590	0.99	0.99	<a href="#">rs645419</a>	A	G	0.69	0.63	0.67	0.54	
11	102846249	0.95	0.99	<a href="#">rs573521</a>	A	G	0.68	0.63	0.66	0.53	CRVX

Query SNP: rs243865 and variants with  $r^2 \geq 0.8$

		LD	LD			AFR	AMR	ASN	EUR	GERP	SiPhy	Promoter histone marks	
chr	pos (hg38)	(r <sup>2</sup> )	(D')	variant	Ref	Alt	freq	freq	freq	freq	cons	cons	
16	55477625	0.99		1 <a href="#">rs243866</a>	G	A	0.01	0.19	0.09	0.28			5 tissues
16	55477894		1	1 <a href="#">rs243865</a>	C	T	0.02	0.19	0.09	0.27			4 tissues
16	55478410	0.99		1 <a href="#">rs243864</a>	T	G	0.02	0.19	0.09	0.28			5 tissues
16	55479711	0.92		1 <a href="#">rs243862</a>	C	T	0.02	0.18	0.09	0.26			24 tissues

Query SNP: rs3918242 and variants with  $r^2 \geq 0.8$

20	46020003	0.82	1	<a href="#">rs66553311</a>	C	G	0.50	0.27	0.41	0.20	
20	46021679	0.89	0.98	<a href="#">rs10432735</a>	A	T	0.18	0.11	0.18	0.19	

Query SNP: rs3918249 and variants with  $r^2 \geq 0.8$

Query SNP: **rs17576** and variants with  $r^2 \geq 0.8$

20	46006977	0.98	0.99	<a href="#">rs3918240</a>	C	T	0.34	0.28	0.72	0.39				
20	46009497	0.99	0.99	<a href="#">rs3918249</a>	T	C	0.56	0.31	0.72	0.39				4 tissues
20	46010142	0.84	0.93	<a href="#">rs3918251</a>	A	G	0.52	0.30	0.64	0.40				4 tissues
20	46011586	1	1	<a href="#">rs17576</a>	A	G	0.35	0.28	0.72	0.39				17 tissues
20	46014194	0.83	-0.98	<a href="#">rs13969</a>	A	C	0.38	0.49	0.24	0.57				23 tissues

Query SNP: [rs3787268](#) and variants with  $r^2 \geq 0.8$

chr	pos (hg38)	$(r^2)$	(D')	LD		variant	Ref	Alt	AFR	AMR	ASN	EUR	GERP	SiPhy	Promoter histone marks
				LD	LD				freq	freq	freq	freq	cons	cons	
20	45991015	0.87	0.94	<a href="#">rs35610751</a>		C	G		0.10	0.17	0.35	0.21			
20	45991065	0.86	0.94	<a href="#">rs6073980</a>		G	A		0.13	0.17	0.35	0.22			
20	46001252	0.89	0.98	<a href="#">rs6073983</a>		A	T		0.09	0.16	0.36	0.22			FAT, BLD
20	46006183	0.98	0.99	<a href="#">rs3761157</a>		C	T		0.09	0.16	0.36	0.21			
20	46013092	1	1	<a href="#">rs3787268</a>		G	A		0.09	0.16	0.36	0.21			BLD, SKIN
20	46015131	1	1	<a href="#">rs3918262</a>		A	G		0.09	0.16	0.36	0.21			LIV
20	46022571	0.95	0.98	<a href="#">rs6073989</a>		G	T		0.09	0.16	0.36	0.21			24 tissues
20	46023675	0.95	0.98	<a href="#">rs16991010</a>		A	C		0.09	0.16	0.36	0.21			
20	46024480	0.95	0.98	<a href="#">rs6130998</a>		C	T		0.09	0.16	0.37	0.21			
20	46026853	0.95	0.98	<a href="#">rs6130999</a>		G	A		0.09	0.16	0.37	0.21			
20	46027473	0.95	0.98	<a href="#">rs6073991</a>		A	G		0.09	0.16	0.37	0.21			
20	46031067	0.91	0.97	<a href="#">rs13039389</a>		G	C		0.08	0.16	0.37	0.22			ESDR, IPSC, BRN
20	46032717	0.94	0.98	<a href="#">rs6131001</a>		C	T		0.08	0.16	0.37	0.21			BRN

Query SNP: [rs2250889](#) and variants with  $r^2 \geq 0.8$

chr	pos (hg38)	$(r^2)$	(D')	LD		variant	Ref	Alt	AFR	AMR	ASN	EUR	GERP	SiPhy	Promoter histone marks
				LD	LD				freq	freq	freq	freq	cons	cons	
20	46013767	1	1	<a href="#">rs2250889</a>		G	C		0.82	0.80	0.76	0.95			24 tissues
20	46024910	0.92	0.97	<a href="#">rs6094239</a>		G	A		0.82	0.80	0.77	0.95			

Query SNP: [rs17577](#) and variants with  $r^2 \geq 0.8$



## *MMP* gene and SNPs in high LD ( $r^2 \geq 0.80$ )

Enhancer histone marks	DNAse	Proteins	Motifs	GRASP		Selected eQTL	GENCODE	RefSeq
				NHGRI/EBI	QTL			
BLD			changed 5 altered motifs	GWAS hits	hits	3 hits	MMP8	MMP8
BLD			TCF4			3 hits	MMP8	MMP8
BLD			Fox,Foxi1,Foxj2			2 hits	MMP8	MMP8
BLD	BLD,BLD		CIZ,Myc,NF-AT1	1 hit		2 hits	MMP8	MMP8
BLD			27 altered motifs			3 hits	MMP8	MMP8
BLD			HNF1	1 hit		2 hits	MMP8	MMP8
BLD, SKIN	SKIN		Foxp1,Sox		1 hit	3 hits	MMP8	MMP8
10 tissues	SKIN		Pax-4			3 hits	MMP8	794bp 5' of MMP8
BLD, SKIN			Foxa				MMP8	1.4kb 5' of MMP8
BLD, SPLN	KID		4 altered motifs			3 hits	28bp 5' of MMP8	2.1kb 5' of MMP8
BLD, SPLN			EWSR1-FLI1,Pax-5,STAT			3 hits	130bp 5' of MMP8	2.2kb 5' of MMP8
7 tissues	BLD		4 altered motifs			3 hits	577bp 5' of MMP8	2.7kb 5' of MMP8
7 tissues	SKIN, BLD		HNF4,Ncx			3 hits	675bp 5' of MMP8	2.8kb 5' of MMP8
7 tissues	SKIN, BLD		GR,NRSF			2 hits	698bp 5' of MMP8	2.8kb 5' of MMP8
6 tissues	8 tissues		19 altered motifs			3 hits	873bp 5' of MMP8	3kb 5' of MMP8
6 tissues	20 tissues	4 bound proteins	DMRT3,Maf			3 hits	1.1kb 5' of MMP8	3.2kb 5' of MMP8
	ESDR					2 hits	2.2kb 5' of MMP8	4.3kb 5' of MMP8

Enhancer histone marks	DNAse	Proteins	Motifs	GRASP		Selected eQTL	GENCODE	RefSeq
				NHGRI/EBI	QTL			
6 tissues	5 tissues	CFOS,GATA2	21 altered motifs	GWAS hits	hits	8 hits	1.6kb 5' of MMP1	LOC100288077

Enhancer histone marks	DNAse	Proteins	Motifs	GRASP		Selected eQTL	GENCODE	RefSeq
				NHGRI/EBI	QTL			
ESC, IPSC			changed	GWAS hits	hits	3 hits	9.5kb 5' of MMP1	LOC100288077



LNG,SKIN,S KIN	Hoxd10,Pou 3f2	3 hits	MMP3	MMP3
FAT, SKIN	Mef2	3 hits	181bp 5' of MMP3	373bp 5' of MMP3
	ZEB1	3 hits	1.1kb 5' of MMP3	1.3kb 5' of MMP3
	Hsf,STAT 8 altered motifs	3 hits	1.8kb 5' of MMP3	2kb 5' of MMP3
BRST, SKIN	ZNF263	1 hit	3 hits	2.4kb 5' of MMP3    2.6kb 5' of MMP3



Enhancer histone marks	Proteins	Motifs	NHGRI/EBI	GRASP QTL	Selected eQTL	GENCODE	RefSeq
	DNase	bound	changed	GWAS hits	hits	hits	genes
18 tissues	MUS,MUS,S KIN	5 altered motifs		1 hit	1 hit	MMP2	1.5kb 5' of MMP2
15 tissues	ESDR,IPSC, MUS	Myf		1 hit	1 hit	MMP2	1.3kb 5' of MMP2
14 tissues	4 tissues	5 altered motifs		1 hit	1 hit	MMP2	757bp 5' of MMP2
	19 tissues	14 altered motifs				MMP2	MMP2

Enhancer histone marks	Proteins	Motifs	NHGRI/EBI	GRASP QTL	Selected eQTL	GENCODE	RefSeq
	DNase	bound	changed	GWAS hits	hits	hits	genes
		8 altered motifs			6 hits	14kb 5' of ZNF335	14kb 5' of ZNF335
		9 altered motifs			5 hits	14kb 5' of ZNF335	14kb 5' of ZNF335
10 tissues	CRVX	MAFK	8 altered motifs		4 hits	10 hits	14kb 5' of MMP9    14kb 5' of MMP9
BLD, THYM	ESDR				2 hits	6 hits	6.9kb 5' of MMP9    6.9kb 5' of MMP9
6 tissues	ESDR,BLD		Pax-5		1 hit	9 hits	5.2kb 5' of MMP9    5.2kb 5' of MMP9
BLD, THYM, SPLN			24 altered motifs		1 hit	9 hits	1.8kb 5' of MMP9    1.8kb 5' of MMP9
BLD, THYM, SPLN	IPSC		4 altered motifs		1 hit	6 hits	1.6kb 5' of MMP9    1.6kb 5' of MMP9
	7 tissues				2 hits	9 hits	MMP9    MMP9
BLD	33 tissues	6 bound proteins	NF- $\gamma$		1 hit	9 hits	MMP9    MMP9
SKIN	22 tissues	4 bound proteins			1 hit	6 hits	MMP9    MMP9
BLD	BLD, BRST		Foxo,GR 4 altered motifs		6 hits	9 hits	MMP9    MMP9
			5 altered motifs		1 hit	6 hits	MMP9    MMP9
			8 altered motifs		1 hit	9 hits	RP11-465L10.10    138bp 3' of MMP9
						6 hits	RP11-465L10.10    392bp 3' of MMP9

		HNF4,Zbtb3 Pax-4,ZNF219,Zfp281		7 hits	RP11-465L10.10	1.7kb 5' of SLC12A5
21 tissues	7 bound proteins		1 hit	5 hits	RP11-465L10.10	9bp 5' of SLC12A5

Enhancer histone marks		Proteins	Motifs	GRASP NHGRI/EBI	Selected QTL eQTL	GENCODE	RefSeq
	DNAse	bound	changed	GWAS hits	hits	hits	genes
7 tissues	4 tissues		4 altered motifs SP1,STAT,Zfp281	2 hits	20 hits	16kb 5' of ZNF335	16kb 5' of ZNF335
15 tissues	20 tissues		4 altered motifs		9 hits	3.9kb 5' of MMP9	3.9kb 5' of MMP9
14 tissues	19 tissues				9 hits	3.7kb 5' of MMP9	3.7kb 5' of MMP9
11 tissues	ESC,BLD		AP-1 11 altered motifs	2 hits	10 hits	3kb 5' of MMP9	3kb 5' of MMP9
6 tissues	BLD				11 hits	2.6kb 5' of MMP9	2.6kb 5' of MMP9
6 tissues	4 tissues				9 hits	2.6kb 5' of MMP9	2.6kb 5' of MMP9
4 tissues	BLD,BLD,BLD				11 hits	2.4kb 5' of MMP9	2.4kb 5' of MMP9
BLD, THYM, SPLN	BLD		6 altered motifs 4 altered motifs		11 hits	1.9kb 5' of MMP9	1.9kb 5' of MMP9
BLD	BLD,BLD		5 altered motifs		9 hits	MMP9	MMP9
	BLD,LIV				8 hits	MMP9	MMP9
4 tissues	ESC		Pax-4 4 altered motifs		12 hits	MMP9	MMP9
SKIN	24 tissues	7 bound proteins			7 hits	MMP9	MMP9

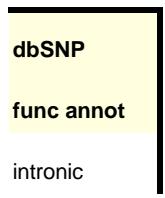
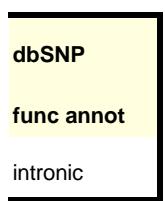
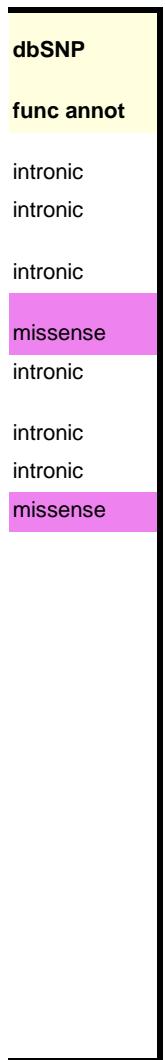
Enhancer histone marks		Proteins	Motifs	GRASP NHGRI/EBI	Selected QTL eQTL	GENCODE	RefSeq
	DNAse	bound	changed	GWAS hits	hits	hits	genes
7 tissues	4 tissues		4 altered motifs SP1,STAT,Zfp281	2 hits	20 hits	16kb 5' of ZNF335	16kb 5' of ZNF335
15 tissues	20 tissues		4 altered motifs		9 hits	3.9kb 5' of MMP9	3.9kb 5' of MMP9
14 tissues	19 tissues				9 hits	3.7kb 5' of MMP9	3.7kb 5' of MMP9
11 tissues	ESC,BLD		AP-1 11 altered motifs	2 hits	10 hits	3kb 5' of MMP9	3kb 5' of MMP9
6 tissues	BLD				11 hits	2.6kb 5' of MMP9	2.6kb 5' of MMP9
6 tissues	4 tissues				9 hits	2.6kb 5' of MMP9	2.6kb 5' of MMP9
4 tissues	BLD,BLD,BLD				11 hits	2.4kb 5' of MMP9	2.4kb 5' of MMP9

BLD, THYM, SPLN	BLD		6 altered motifs		11 hits	1.9kb 5' of MMP9	1.9kb 5' of MMP9
BLD	BLD,BLD		4 altered motifs		9 hits	MMP9	MMP9
		BLD,LIV	5 altered motifs		8 hits	MMP9	MMP9
4 tissues	ESC		Pax-4		12 hits	MMP9	MMP9
SKIN	24 tissues	7 bound proteins	4 altered motifs		7 hits	MMP9	MMP9

Enhancer histone marks	Proteins	Motifs	GRASP		Selected		RefSeq
			NHGRI/EBI	QTL	eQTL	GENCODE	
Enhancer histone marks	DNAse	bound	changed	GWAS hits	hits	hits	genes
			Nkx3		2 hits	18kb 5' of MMP9	18kb 5' of MMP9
			BDP1,LUN-1		2 hits	18kb 5' of MMP9	18kb 5' of MMP9
9 tissues	BLD,BRN		Arid5b		4 hits	7.7kb 5' of MMP9	7.7kb 5' of MMP9
6 tissues	4 tissues		9 altered motifs		3 hits	2.7kb 5' of MMP9	2.7kb 5' of MMP9
BLD	BLD,BLD		6 altered motifs		4 hits	MMP9	MMP9
BLD	BLD,LIV	9 bound proteins	9 altered motifs		3 hits	MMP9	MMP9
			5 altered motifs		3 hits	RP11-465L10.7	SLC12A5
			Mrg		3 hits	RP11-465L10.7	SLC12A5
			CDP		3 hits	RP11-465L10.7	SLC12A5
			NRSF	EBF,SZF1-1	2 hits	RP11-465L10.7	SLC12A5
			NRSF,ZNF1				
49 tissues	43,BCL3		SZF1-1,T3R	2 hits	3 hits	RP11-465L10.7	SLC12A5
			BAF155,TFII A		2 hits	SLC12A5	SLC12A5
			4 altered motifs		2 hits	SLC12A5	SLC12A5

Enhancer histone marks	Proteins	Motifs	GRASP		Selected		RefSeq
			NHGRI/EBI	QTL	eQTL	GENCODE	
Enhancer histone marks	DNAse	bound	changed	GWAS hits	hits	hits	genes
15 tissues	CTCF	NRSF				MMP9	MMP9
		7 altered motifs				RP11-465L10.7	SLC12A5

Enhancer histone marks	DNase	Proteins bound	Motifs changed	NHGRI/EBI GWAS hits	GRASP QTL	Selected eQTL	GENCODE genes	RefSeq genes
					hits	hits	genes	genes
			8 altered motifs 9 altered motifs 8 altered motifs		6 hits 5 hits	14kb 5' of ZNF335 14kb 5' of ZNF335	14kb 5' of ZNF335	14kb 5' of ZNF335
10 tissues	CRVX	MAFK			4 hits	10 hits	14kb 5' of MMP9	14kb 5' of MMP9
BLD, THYM	ESDR				2 hits	6 hits	6.9kb 5' of MMP9	6.9kb 5' of MMP9
6 tissues	ESDR,BLD		Pax-5		1 hit	9 hits	5.2kb 5' of MMP9	5.2kb 5' of MMP9
BLD, THYM, SPLN			24 altered motifs		1 hit	9 hits	1.8kb 5' of MMP9	1.8kb 5' of MMP9
BLD, THYM, SPLN	IPSC		4 altered motifs		1 hit 2 hits	6 hits 9 hits	1.6kb 5' of MMP9 MMP9	1.6kb 5' of MMP9 MMP9
	7 tissues							
BLD	33 tissues	6 bound proteins	NF- $\gamma$		1 hit	9 hits	MMP9	MMP9
SKIN	22 tissues	4 bound proteins			1 hit	6 hits	MMP9	MMP9
BLD	BLD,BRST		Foxo,GR 4 altered motifs 5 altered motifs 8 altered motifs		6 hits 1 hit	9 hits	MMP9 RP11-465L10.10	MMP9 138bp 3' of MMP9
			HNF4,Zbtb3 Pax-4,ZNF219,Zfp281			6 hits 7 hits	RP11-465L10.10	392bp 3' of MMP9 1.7kb 5' of SLC12A5
	21 tissues	7 bound proteins			1 hit	5 hits	RP11-465L10.10	9bp 5' of SLC12A5



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