

1 **Supplementary Table 2 Twelve SNPs in strong LD with the tag SNP rs10519225**

Chr	Pos (hg38)	LD (r <sup>2</sup> )	LD (D')	Variant	Ref	Alt	AFR freq	AMR freq	ASN freq	EUR freq	Enhancer histone marks	DNase	Proteins bound	Motifs changed
15	49383111	0.97	0.98	rs12901929	T	C	0.05	0.25	0.16	0.38	6 tissues	CRVX		lrf,NF-AT,Pbx-1
<b>15</b>	<b>49383505</b>	<b>0.9</b>	<b>0.98</b>	<b>rs12905203</b>	<b>A</b>	<b>G</b>	<b>0.11</b>	<b>0.27</b>	<b>0.16</b>	<b>0.4</b>	<b>6 tissues</b>	<b>8 tissues</b>	<b>5 bound proteins</b>	<b>19 altered motifs</b>
15	49407114	0.99	1	rs36023246	A	G	0.05	0.25	0.16	0.38		LIV		CAC-binding-protein
15	49412544	0.88	1	rs12591300	G	A	0.05	0.25	0.16	0.35		MUS		Ets,GR
15	49427756	0.99	1	rs10519224	A	C	0.05	0.25	0.16	0.38		HRT,MUS		Foxc1
15	49428581	1	1	rs10519225	G	A	0.05	0.25	0.16	0.38		8 tissues		Arid5b,Pou2f2
15	49431258	0.99	1	rs11855798	G	C	0.05	0.25	0.16	0.38	4 tissues			7 altered motifs
15	49442915	0.93	-0.97	rs9920722	C	T	0.56	0.71	0.79	0.62	5 tissues			5 altered motifs
15	49443468	0.86	0.99	rs12916839	C	T	0.05	0.25	0.16	0.35	STRM			Cdx,Gfi1
15	49446345	0.97	0.99	rs17478694	C	G	0.05	0.25	0.16	0.37	FAT, STRM, SKIN			5 altered motifs
15	49448107	0.97	0.99	rs17478785	A	C	0.05	0.25	0.16	0.37	STRM, GI			p300
15	49450872	0.97	0.99	rs4389093	A	G	0.06	0.26	0.16	0.37	4 tissues	OVRY		

2 Chr., chromosome. Pos., chromosome position. Ref., reference allele. Alt., altered allele. **Freq., minor/alt allele frequencies.** The candidate functional

3 variant is in blue.

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