

**Additional file 14: Table S10**

<b>Histone marks</b>	<b>Co-expression</b>	<b>Anti-expression</b>
H3K4ac	0.31110	6.25e-08**
H4K12ac	0.70430	2.38e-06**
H3K9ac	0.57980	8.45e-06**
H3K27ac	0.31110	7.09e-05**
H3K4me3	0.64190	0.04474*
H4K16ac	0.3466	0.00022**
H3K27me3	0.35710	0.00029**
H3K9me1	0.16860	1.76e-05**
H3K9me3	0.23170	0.01226*
H3K4me2	0.00158**	0.00450**
H3K36me3	7.27e-05**	9.99e-16**
H3K23ac	2.75e-05**	0.03771*
<b>Nucleosome occupancy</b>	0.00767**	3.97e-06**

**Note:** \* $p < 0.05$  representing significant change.

\*\* $p < 0.01$  representing extremely significant change.