

**Table S1: Peak numbers for histone modifications in this study**

<b>Histone epitope</b>	<b>Numbers of peaks per chromosome</b>							<b>Total</b>
	<b>1H</b>	<b>2H</b>	<b>3H</b>	<b>4H</b>	<b>5H</b>	<b>6H</b>	<b>7H</b>	
<b>H3K4me2</b>	3171	4696	4375	3385	4233	3469	4246	27575
<b>H3K4me3</b>	6625	9398	8808	6507	8788	7057	9140	56323
<b>H3K9me2</b>	1756	3098	2688	2931	2479	2257	2588	17797
<b>H3K9me3</b>	1278	2228	1973	2090	1986	1815	1970	13340
<b>H3K27me1</b>	1863	3132	2706	3045	2549	2433	2612	18340
<b>H3K27me2</b>	1300	2165	1911	2075	1870	1719	1947	12987
<b>H3K27me3</b>	2791	4147	3703	2792	4181	3053	4148	24815
<b>H3K36me3</b>	3647	5575	5391	4508	5225	4270	5032	33648
<b>H3K56ac</b>	6622	9408	8926	6678	9303	7442	10135	58514
<b>H3</b>	775	1404	1212	1291	1101	972	1133	7888
<b>Total</b>	29828	45251	41693	35302	41715	34487	42951	271227