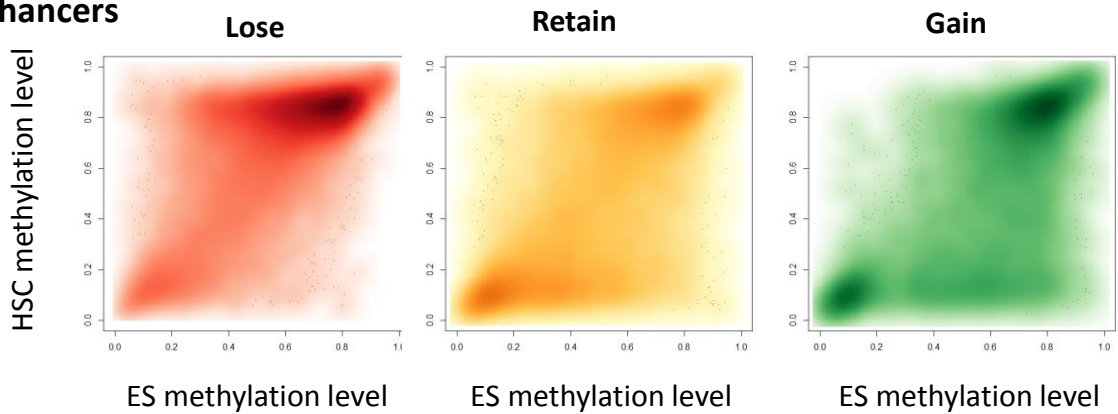


**A****Non-promoter methylation sites (n=179,910)**

From	To	H3K4me1			Fraction of H3K4me1 sites (%)		
		Lose	Retain	Gain	Lose	Retain	Gain
ES	HSC	49031	20380	10314	61.5	25.6	12.9
ES	T (CD4 <sup>+</sup> )	49455	19956	11375	61.2	24.7	14.1
HSC	T (CD4 <sup>+</sup> )	11802	18892	12439	27.4	43.8	28.8
HSC	T (CD8 <sup>+</sup> )	11422	19272	13735	25.7	43.4	30.9
HSC	B (CD19 <sup>+</sup> )	14155	16539	6780	37.8	44.1	18.1
T (CD4 <sup>+</sup> )	B (CD19 <sup>+</sup> )	15754	15577	7742	40.3	39.9	19.8
T (CD4 <sup>+</sup> )	T (CD8 <sup>+</sup> )	3331	28000	5007	9.2	77.1	13.8

**B****Enhancers****C****Promoters**