

Supplementary Table S1: Statistics of ChIP-Sequencing reads

Sample	mapped reads	Called peaks	Peaks FDR < 0.1	Peaks +/-5kb from TSS FDR < 0.1	Peaks +/-1.5kb from TSS FDR < 0.1
Input	15,040,211	reference			
HC20-Vector	15,119,997	3,549	7	2	1
HC20-WtER ctr	15,120,524	12,541	7,033	2,457	1,891
HC20-WtER OHT	15,118,730	43,946	43,947	14,593	10,887
HC20-VDER ctr	15,120,129	9,475	1,948	608	455
HC20-VDER OHT	15,114,488	24,180	24,174	7,979	5,977
10E2-Vector	13,314,598	7,572	5,992	1,766	1,288
10E2-WtER ctr	13,317,836	10,959	9,892	3,049	2,212
10E2-WtER OHT	13,312,133	16,330	16,331	5,117	3,718
10E2-VDER ctr	13,314,951	9,757	8,124	2,333	1,698
10E2-VDER OHT	13,312,529	11,856	11,855	3,489	2,474