

Table S4: Antibodies used in this study

Targeted epitope	Clonality	Manufacturer	Product code	Lot number
H3	Polyclonal	Abcam	ab1791	GR81366-1
H3K4me2	Monoclonal	Abcam	ab32356	GR39894-3
H3K4me3	Polyclonal	Active Motif	39159	1609004
H3K9me2	Polyclonal	Active Motif	39375	29108001
H3K9me3	Polyclonal	Millipore	07-442	JBC1865906
H3K27me1	Polyclonal	Millipore	07-448	DAM1661077
H3K27me2	Polyclonal	Millipore	07-452	JBC1870071
H3K27me3	Polyclonal	Millipore	07-449	JBC1873477
H3K36me3	Polyclonal	Abcam	ab9050	GR20245-2
H3K56ac	Polyclonal	Active Motif	39281	16908001