



**Figure S3. Immunofluorescence analysis of H3K9ac and H3K4me3 levels in mitotic samples. (A)** A representative immunofluorescence picture of H3K4me3 and H3K9ac (green) and DAPI (blue) staining. The cell cycle stage was determined from the DAPI image. **(B)** Quantification of the green signal intensity in multiple (N>28) mitotic and interphase cells. Average and standard error are shown. The difference between interphase and mitotic cells for H3K9ac was highly significant (p-value < 10<sup>-23</sup>; two sided t-test).