



**Supplementary Figure 2 (a)** Relative levels of monoacetylated (upper panel) and trimethylated (lower panel) histone H4 of immortalized normal lymphocytes (iNL) and the cancer cell line Jurkat (white bars) compared with their respective doubling time (black bars). Error bars refer to standard deviations obtained by performing three replicates per sample. **(b)** Western blot comparing specific acetylation of lysine 16 of histone H4 in unsynchronized Jurkat cells and cells synchronized in G0/G1 and G2/M phases of the cell cycle. Total histone H4 is shown as control.