



**Figure S4, related to Figure 4.** Cell cycle analysis in 53BP1 silenced GBM cell lines after exposure to IR. (A) Cell cycle analysis of T98G and U87MG cells transduced with ctrl shRNA or 53bp1 shRNA\_A at 0 hr (red line), 3 hr (blue line), 24 hr (green line), 48 hr (orange line), after 10Gy of IR exposure. (B) Left panel: table of the percentage of pH3 positive cells and percentage of cells in G2/M phases of the cell-cycle, at the indicated time point after 10Gy of IR. Data are presented as mean±SD of a representative of 2 independent experiments, each performed in triplicate. Right panel: graph showing the mitotic ratio (%pH3+ cells/% G2/M cells) of the data presented in left panel; t-test: \*\*p<0.005, \*p< 0.01. (C) Cell cycle analysis and BrdU staining in U251 cells exposed to 10Gy of IR and incubated 1hr with BrdU before being harvested.