



**Figure S5, related to Figure 5. 53BP1 role in NHEJ in glioma cell lines.**

(A) Graph showing NHEJ analysis performed in U251 cells transduced with the Pem1-Ad2-EGFP and I-SceI expressing constructs. Data are presented as mean $\pm$ SD of 2 independent experiments, done in triplicate; t-test: \*\*p=0.0069. (B) Left panels: Representative ethidium bromide stained agarose gels showing HindIII digestion products on the recovered plasmids from the NHEJ assay in T98G cells. # indicate microhomology-mediated junctions (MMJ) events. Right panel: graph showing the percentage of MMJ in ctrl shRNA and 53bp1 shRNA T98G cells; Fisher's exact test: \*p=0.0171.