



Additional file 1: Figure S1. Characterization of GSC-derived EVs. **A.** Size distribution of GSC-derived EVs analyzed by the Nanosight™ technology. **B.** WES full-length gel image of EV marker and β -actin expression in GSCs and GSC-derived EVs. Calnexin was used as a negative control. **C.** Measurement of EVs/cell released by irradiated GSCs (10Gy and 50Gy) relative to sham irradiated cells, used as control (0Gy, dashed line at value 1). Four GSC lines (i.e. GSC#1, #61, #83 and #163) isolated from different GBM patients are shown. Results are reported as mean \pm SD ($n = 3$). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$ vs sham irradiated cells (Student's t test). **D.** Size distribution of GSC-derived EVs (*left*, sham irradiated GSC-derived EVs; *right*, 50Gy-irradiated GSC-derived EVs).