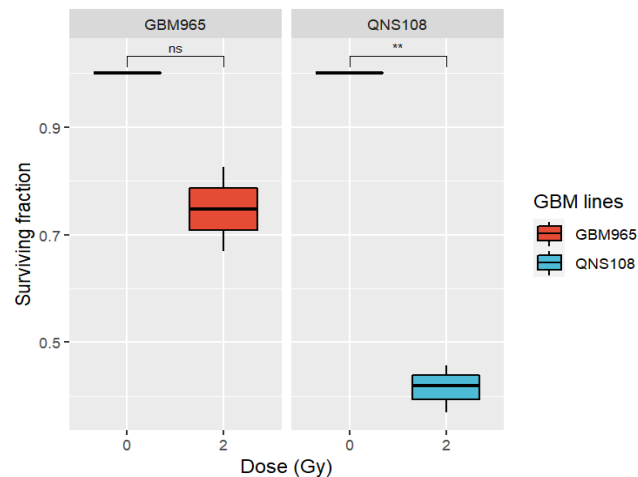
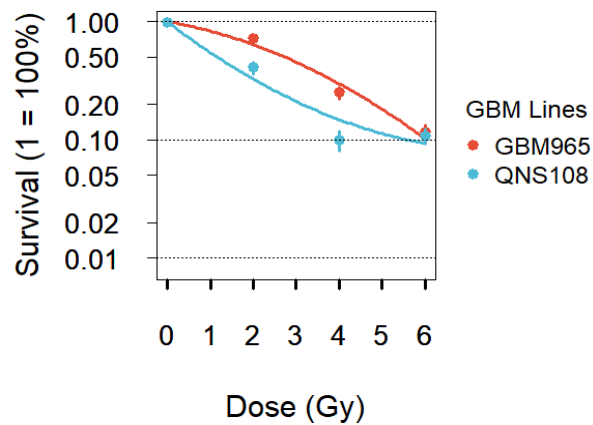


## SUPPLEMENTARY METHODS

### 1. Radiosensitivity curves for QNS965 and QNS108

#### Intrinsic radiosensitivity of GBM lines

Radiosensitivity curves for radioresistant GBM lines were built as described previously.<sup>1</sup> Briefly, GBM cells seeded on sextuplicates on ultra-low attachment 96 well plates received a single dose of 0, 2, 4, or 6 Gy (275.1 cGy/min) with an X-rad 1600 (Precision X-Ray). Plating efficiency was determined after 3 weeks considering the number of spheres with more than 100  $\mu\text{m}$  of diameter. Surviving fractions at each dose were then fitted to the linear quadratic model with R studio<sup>2</sup> using the CFAssay R package.<sup>3</sup> Surviving fractions at 2 Gy (SF2) were used to determine sensitivity to radiation, GBM cell lines with SF2 > 40% were considered radioresistant.



#### References:

1. Gómez-Millán, J. et al. The importance of bystander effects in radiation therapy in melanoma skin-cancer cells and umbilical-cord stromal stem cells. *Radiotherapy and oncology: journal of the European Society for Therapeutic Radiology and Oncology* 102, 450–458 (2012).
2. RStudio Team. RStudio: Integrated development environment for r. (RStudio, PBC., 2020).
3. Braselmann, H. CFAssay: Statistical analysis for the colony formation assay. (2020).