Supplemental Figure S10. Characterization of RASV12 transformed MEF expressing (WT RAS MEF) or not (Vdac1−/− RAS MEF) Vdac1. (A) Characterization of the growth of Wt and Vdac1−/− RAS MEF incubated in Nx or Hx for the indicated number of days. The mean ±SEM is representative of four independent experiments carried out in duplicate. A p<0.00001 shows significant difference from the normoxia for Vdac1−/− RAS MEF. (B) Representative phase contrast photographs of Wt and Vdac1−/− RAS MEF incubated in Nx for 72h. Scale bars represent X μm. (C) Relative migration of Wt and Vdac1−/− RAS MEF in Nx as evaluated in a xCELLigence system. The mean ±SEM is representative of two independent experiments carried out in quadruplicate. (D) The extracellular acidification rate (ECAR) in Nx of Wt and Vdac1−/− RAS MEF was evaluated with a Seahorse XF bioenergetic system. Glucose (Glu 10mM) and oligomycin (Oligo 1μM) were injected at the indicated times. (E) The oxygen consumption rate (OCR) in Nx for Wt and Vdac1−/− RAS MEF was measured in real time with a Seahorse XF. Glucose (Glu 10 mM), oligomycin (Oligo 1μM), carbonylcyanide p-trifluoromethoxyphenylhydrazone (FCCP 1 μM) and Rotenone/Antimycin A (Rot/ AA, 1μM/1μM) were injected at the indicated times. The mean ±SEM is representative of three independent experiments carried out in quadruplicate. (F) Radiosensitivity of Wt and Vdac1−/− RAS MEF cultured for 24h in Nx or Hx and treated with the indicated dose of radiation. Cell growth was then evaluated with a clonogenic cell survival assay. X-axis: dose of X-radiation (Gy). Y-axis: surviving fraction. The mean ±SEM is representative of two independent experiments carried out in duplicate. (G) Soft agar assay of Wt and Vdac1−/− RAS MEF. (H) Tumor weight of Wt (Wt RAS MEF) and Vdac1−/− RAS MEF-derived tumors (Vdac1−/− RAS MEF).