



Supplemental Figure S7. Glucose and glutamine metabolism. (A) Wt and *Vdac1*^{-/-} MEF were cultured for two days in Nx or Hx in the presence of 2-deoxy-D-glucose (2DG– 1μM) or without glucose (- Gluc). The cell number was measured on a Beckman Coulter apparatus (squares). The percentage of cell mortality was measured by trypan blue exclusion (black dots). The mean ±SEM is representative of two independent experiments carried out in duplicate. (B) The glutamate concentration in the media of Wt and *Vdac1*^{-/-} MEF cultured in normoxia (Nx) or hypoxia 1% O₂ (Hx) was measured at day 7 using a YSI 2700 apparatus. *Vdac1*^{-/-} MEF convert little or no glutamine into glutamate compared to Wt MEF.