



Figure S3: *In vitro* differentiation of Tet1 knockout ES cells to embryoid bodies (EBs) and neural progenitors (NPs)

(A&B) Tet1 knockout cells stain positive for alkaline phosphatase (A) and express Nanog (B) when cultured on gelatin. (C) Bright field images of EBs generated from mESCs of indicated genotypes. Note the presence fewer number of EBs and attached flattened EBs (arrowheads) in knockout samples. (D) Relative transcript levels of selected lineage specification markers in EBs of indicated genotypes as quantified by RTqPCR. Data are normalized to GAPDH. Error bars indicate SEM. (E) Tet1 knockout ES cells can differentiate to Nestin-positive neural progenitor cells *in vitro*. Related to Figure 3.