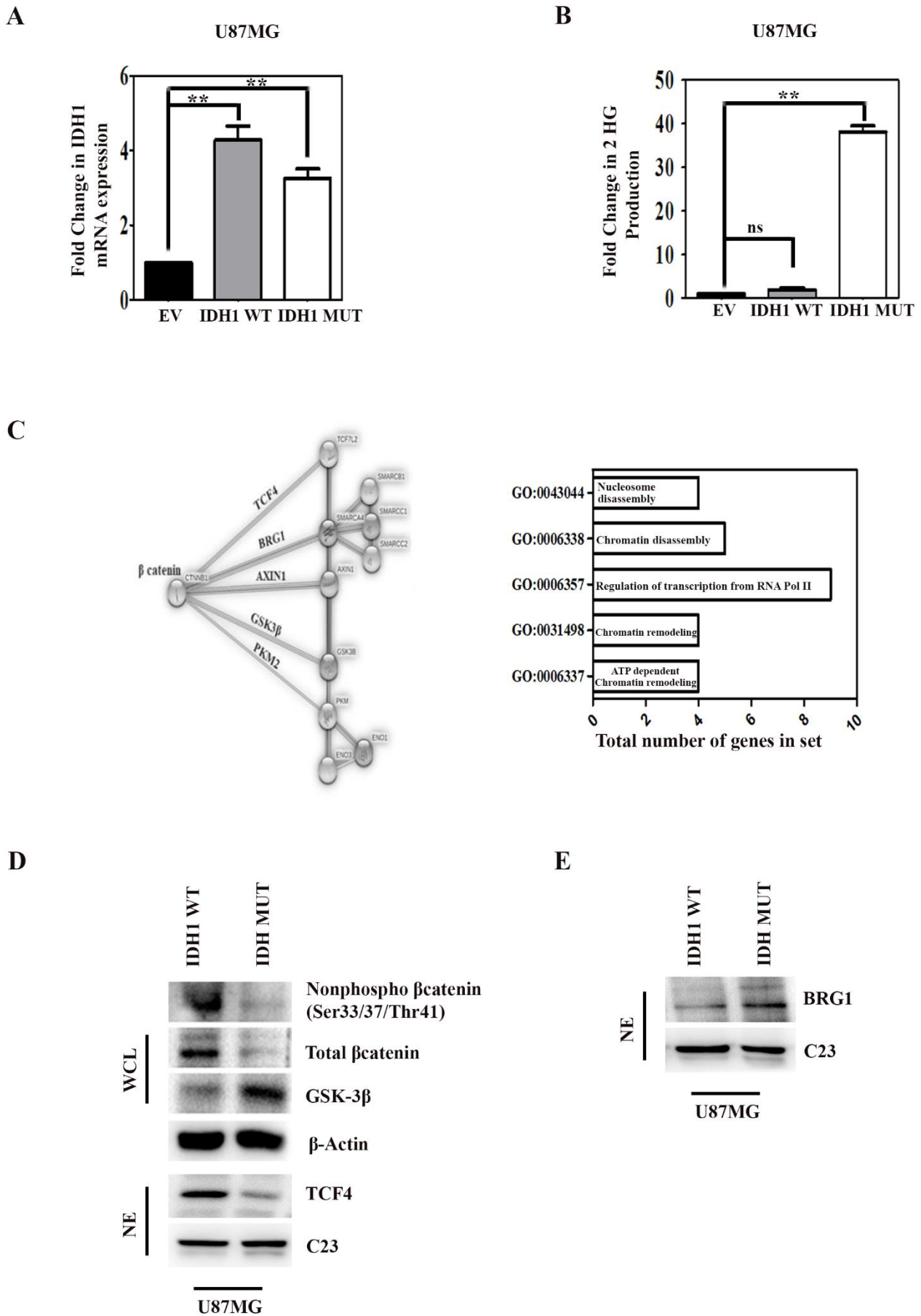


SUPPLEMENTRY FIGURE 1



Supplementary Figure 1. IDH1-MT has deregulated β -catenin network.

(A) Graph showing fold change in IDH1 mRNA expression in IDH1-WT and IDH1-MT with respect to empty vector. (B) The graph shows fold change in 2-HG production in expression in IDH1-WT and IDH1-MT with respect to empty vector. Values represent \pm SEM from three independent experiments. p-values were determined by 2-tailed, paired t-test using GraphPad Prism. (C) STRING analysis demonstrating the interactome of PKM2, β -catenin, TCF4, BRG1, GSK3 β and AXIN1. The network comprises of β -catenin and its interacting partners associated with chromatin remodeling and RNA polymerase II regulation. (D) Western blots demonstrating the status of non-phospho β -catenin, total β -catenin, GSK3 β and TCF4 levels in IDH1-WT and IDH1-MT glioma cells. (E) Western blot demonstrating the status of BRG1 levels in IDH1-WT and IDH1-MT glioma cells. Symbols: ** (p<0.01), ns (non-significant).