



Supplementary information, Figure S8 β -catenin-independent Wnt signaling increases *brachyury* expression.

ESCs were transiently transfected with HA- β -catenin or control plasmids, or treated with Wnt3a protein. Nuclear extracts of cells were subjected to Western blotting with anti- β -catenin and -HA antibody (A). Lamin A/C was used as protein markers for nuclear fraction. Western blot analysis shows the increase of nuclear β -catenin by Wnt3a treatment or transfection of plasmid expressing HA- β -catenin. Expression of *brachyury* and *axin2* was analyzed using quantitative real-time PCR (B). Data are presented as the mean \pm S.D. from three independent experiments.