

Supplementary Figures

Supplementary Fig.1: Full size Western blots used in this study. (A) Figure 1B, The protein level of Wnt16 in DSCs and ESCs detected by immunoblots; (B) Figure 2B, DSC-CM upregulated the expression of MMP2 in trophoblasts. (C) Figure 3B , Wnt16 upregulated the expression of MMP2 in trophoblasts. (D) Figure 3F, Wnt16 was responsible for the promotion of invasiveness of trophoblasts. (E) Figure 4A , XAV939 and mk2206 attenuated the upregulation of Wnt16 on MMP2 and Bcl-2 in trophoblasts. (F) Figure 4C, The protein levels of p-Akt and β -catenin in trophoblasts enhanced as Wnt16 increased. (G) Figure 4D, Mk2206 decreased the stability of that from β -catenin, while XAV939 made no effect on Wnt16-upregulated p-Akt. (H) Figure 4E, Wnt16 cannot upregulate the expression of MMP2 and Bcl-2 in siCTNNB1-trophoblasts. (I) Figure 5A, DSCs of URSA expressed a decreased level of Wnt16 compared with DSCs of NP. (J) Figure 5B, The level of β -catenin and p-Akt were detected to be much lower in the villi from URSA than NP. (K) Figure 5C, URSA-DSC-CM downregulated the MMP2, Bcl-2 and β -catenin in trophoblasts.