

Human WNT Signaling Targets PCR Array

Development & Differentiation:

Growth Factors: ANGPTL4, BMP4, CTGF, FGF20, FGF4, FGF9, GDF5 (CDMP-1), GDNF, IGF1, IGF2, IL6, JAG1, TGFB3, VEGFA.

Transcription Factors: CDKN2A (p16INK4), EGR1, NANOG, POU5F1 (OCT4), PPARD, RUNX2, SIX1, SOX2, SOX9, T (Brachyury).

Other Genes: ANTXR1, CCND1, CCND2, CDH1 (E-cadherin), CDON, DAB2, DLK1, EFNB1, EGFR, FN1, FST, GJA1, ID2, MET, MMP9 (Gelatinase B), NRCAM, NRP1, NTRK2, PDGFRA, SMO, TWIST1.

Calcium Binding and Signaling: BGLAP, CACNA2D3, CCND1, CUBN, EGFR, LRP1, MMP2 (Gelatinase A), MMP7 (Matrilysin), MMP9 (Gelatinase B), PTGS2 (COX-2), WNT3A, WNT5A, WNT9A.

Adhesion: ABCB1 (MDR-1), BGLAP, CD44, CDH1 (E-cadherin), CTGF, EGFR, FGF4, NRCAM, SOX9.

Migration: CD44, CTGF, EFNB1, EGFR, FGF7, FN1, GDNF, IGF1, IL6, IRS1, JAG1, MMP9 (Gelatinase B), NRCAM, NRP1, PDGFRA, PPAP2B, PPARD, SIX1, SMO, TWIST1, VEGFA.

Cell Cycle: AHR, BIRC5, CCND1, CCND2, CDKN2A (p16INK4), EGFR, FOSL1 (FRA-1), ID2, IGF1, IGF2, MYC, PTGS2 (COX-2), SOX2.

Proteolysis: DPP10, MMP2 (Gelatinase A), MMP7 (Matrilysin), MMP9 (Gelatinase B), PLAUR (uPAR).

Signal Transduction:

WNT Signaling: AXIN2, BTRC (b-TrCP), DKK1, FGF9, FZD7, LEF1, LRP1, PPAP2B, SFRP2, TLE1, WISP1, WISP2, WNT3A, WNT5A, WNT9A.

TGF β Signaling: BMP4, FST, GDF5 (CDMP-1), ID2, TGFB3.

Hedgehog Signaling: SMO, PTCH1.

Notch Signaling: JAG1.

Transcription Factors:

WNT Signaling: LEF1, TCF7, TCF7L1, TCF7L2.

Others: AHR, CDKN2A (p16INK4), CEBPD, EGR1, ETS2, FOSL1 (FRA-1), KLF5 (GC Box BP), MYC, NANOG, PITX2, POU5F1 (OCT4), PPARD, RUNX2, SIX1, SOX2, SOX9, T (Brachyury), TCF4.