

Human Prostate Cancer PCR Array

Differentially Methylated Promoters: APC, AR, CAV1, CCNA1, CDH1 (E-cadherin), CDKN2A, DKK3, DLC1, EDNRB, GPX3, GSTP1, MGMT (AGT), MSX1, PDLIM4 (RIL), PTGS2 (COX2), RARB, RASSF1, SFRP1, SLC5A8, TIMP2, TNFRSF10D, ZNF185.

Up-Regulated in Prostate Cancer: ARNTL, CAMSAP1, DDX11, ECT2, ETV1, HAL, IGFBP5, KLK3, MTO1, PDPK1, RBM39, SOCS3, SOX4, SUPT7L.

Down-Regulated in Prostate Cancer: CCND2, CLN3, GCA, IGF1, LGALS4, LOXL1, PPP2R1B, SFRP1, SLC5A8, TFPI2, USP5.

Metastatic Potential: CREB1, KLHL13, MAX, NDRG3, PES1, SEPT7, SCAF11 (SFRS2IP).

Androgen Signaling: AR, CAV1, CCND1, DAXX, EGFR, FOXO1, GNRH1, IGF1, IL6, NFKB1, NRIP1, PTEN, SHBG, TGFB11, TIMP2, TIMP3, VEGFA.

PI3K/AKT Signaling: AKT1, AR, BCL2, CCND1, CCND2, CDH1 (E-cadherin), CDKN2A (p16INK4), EGFR, FOXO1, GNRH1, IGF1, IL6, MAPK1 (ERK2), NFKB1, PDPK1, PTEN, TIMP2, TIMP3, TNFRSF10D, TP53, VEGFA.

PTEN Signaling: AKT1, EGFR, GNRH1, IGF1, IL6, MAPK1 (ERK2), PDPK1, PTEN, TIMP2, TIMP3, TP53, VEGFA.

Apoptosis: BCL2, CASP3, CDKN2A (p16INK1), EGFR, ETV1, GNRH1, IGF1, IL6, MAPK1, NFKB1, PTEN, TIMP2, TIMP3, TP53, VEGFA.

Cell Cycle: APC, BCL2, CASP3, CAV2, CCNA1, CCND1, CCND2, CDKN2A (p16INK4), EGFR, IGF1, PPP2R1B, PTEN, PTGS1, PTGS2 (COX2), TP53.

Transcription Factors: AR, ARNTL, CDKN2A (p16INK4), CREB1, DAXX, EGR3, ERG, ETV1, FOXO1, MAX, MSX1, NFKB1, NKX3-1, NRIP1, RARB, RBM39, SOX4, SREBF1, SUPT7L, TP53.

Fatty Acid Metabolism: ACACA, CAMKK1, FASN, HMGCR, IGF1, PRKAB1, SREBF1, STK11 (LKB1).

Others: MKI67, TMPRSS2.