

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Upregulation or downregulation (P-value <0.05, $|\text{Log2FC}| \geq 0.59$) of 1,419 and 1,757 genes, respectively, in PC3 cells with knockdown of ARID4B identified by RNA-Seq analysis. Statistical analysis: Wald Chi-Squared test.

File Name: Supplementary Data 2

Description: ChIP-Seq analysis with the anti-ARID4B antibody using PC3 cells identified 11,678 genes containing the ARID4B binding sites within 10 Kb of their gene margins.

File Name: Supplementary Data 3

Description: ARID4B directly regulated targets (1,555 genes) identified by both RNA-Seq (P-value <0.05, $|\text{Log2FC}| \geq 0.59$) and ChIP-Seq analyses using PC3 cells.