

Human Cell Cycle PCR Array

G1 Phase and G1/S Transition: ANAPC2, CCND1, CCNE1, CDC25A, CDC34, CDK4, CDK6, CDKN1B (p27KIP1), CDKN3, CUL1, CUL2, CUL3, E2F1, SKP2.

S Phase and DNA Replication: ABL1, CDC6, MCM2, MCM3, MCM4, MCM5, WEE1.

G2 Phase and G2/M Transition: ANAPC2, BCCIP, BIRC5, CCNA2, CCNB1, CCNG1, CCNH, CCNT1, CDC25A, CDK5R1, CDK5RAP1, CDK7, CDKN3, CKS1B, CKS2, GTSE1, KPNA2, MNAT1, SERTAD1.

M Phase: AURKB, CCNB2, CCNF, CDC25C, CDC6, CDK1 (CDC2), CDC16, CDC20, MRE11A, RAD51, STMN1.

Cell Cycle Checkpoint and Cell Cycle Arrest: ATM, ATR, BRCA1, BRCA2, CASP3, CCNA2, CCNG2, CDC25A, CDC25C, CDC34, CDK1 (CDC2), CDK2, CDKN1A (p21CIP1/WAF1), CDKN1B (p27KIP1), CDKN2A (p16INK4), CDKN2B (p15INK4B), CDKN3, CHEK1, CHEK2 (RAD53), CUL1, CUL2, CUL3, GADD45A, HUS1, KNTC1, MAD2L1, MAD2L2, MDM2, NBN (NBS1), RAD1, RAD17, RAD9A, RB1, RBBP8, TP53, WEE1.

Regulation of Cell Cycle: ABL1, ANAPC2, ATR, AURKA, BCCIP, BCL2, BRCA2, CCNB1, CCNB2, CCNC, CCND1, CCND2, CCND3, CCNE1, CCNF, CCNH, CCNT1, CDC16, CDC20, CDC25C, CDC6, CDK1 (CDC2), CDK2, CDK4, CDK5R1, CDK6, CDK7, CDK8, CDKN1A (p21CIP1/WAF1), CDKN1B (p27KIP1), CKS1B, E2F1, E2F4, GADD45A, KNTC1, MKI67, RAD9A, RB1, SKP2, TFDP1, TFDP2, WEE1.

Negative Regulation of Cell Cycle: ATM, BRCA1, CASP3, CDKN2B (p15INK4B), RBL1, RBL2, TP53.