

Table S1. Oligonucleotides for construction of expression plasmids and mutagenesis

Cyclin D1 upstream sense primer:	5' AC <u>AGATCT</u> AT GGAACACCAG CTCCTGTG 3'
Cyclin D1 downstream antisense primer:	5' AAG <u>TCGACG</u> ATGTCCACGTCCCGCACGTC 3'
Cyclin D1 ^{K112E} antisense primer:	5' CATCTCAGAG GCCACGAACA 3'
Cyclin D1 ^{K112E} sense primer:	5' GTGGCCTCTG AGATGAAGGA GACC 3'
Cyclin D1 ^{K114E} antisense primer:	5' CTCCTCCATCTTAGAGGCCA 3'
Cyclin D1 ^{K114E} sense primer:	5' TAAGATGGAGGAGACCATCC 3'
Cyclin D1 ^{K112, 114E} antisense primer:	5' CATCTCAGAG GCCACGAACA 3'
Cyclin D1 ^{K112, 114E} sense primer:	5' GTGGCCTCTGAGATGGAGGAGACCATCCCC CT 3'
Cyclin D1 ^{T286A} antisense primer:	5' TCGGTGGGTGCGCAAGCCAGGT 3'
Cyclin D1 ^{T286A} sense primer:	5' ACCTGGCTTGCGCACCCACC 3'
Cyclin D1 ^{^cyclin box} antisense primer:	5' TGAGCTTGTT GGACGGCAGG ACCTCCTTCT 3'
Cyclin D1 ^{^cyclin box} sense primer:	5' TCCTGCCGTC CAACAAGCTC AAGTGGAACC TG 3'
Cyclin D1 cyclin box antisense primer:	5' AAG <u>TCGACC</u> ACCAGGAGCAGCTCCATT 3'
Cyclin D1 cyclin box sense primer:	5' AAG <u>AATTC</u> AT GCGGAAGATC GTCGCCACCT 3'
Cyclin B1 ^{^90} upstream sense primer:	5' ATA <u>AGATCT</u> CCAGTGCCAGTGTCTGAGCCA 3'
Cyclin B1 ^{^90} downstream antisense :	5' TG <u>AGTCGAC</u> TTACACCTTTGCCACAGCCTT 3'
Cyclin D2 upstream sense primer:	5' ATT <u>GAATTC</u> ATGGAGCTGCTGTGCCACGAG 3'
Cyclin D2 downstream antisense primer:	5' ATT <u>GTCGAC</u> CAGGTCGATATCCCGCACGT 3'
Cyclin D3 upstream sense primer:	5' ATT <u>GAATTC</u> A TGGAGCTGCT GTGTTGCGAAG 3'
Cyclin D3 downstream antisense primer:	5' ATT <u>GTCGAC</u> CAGGTGTATGGCTGTGACATC 3'

CDK4 upstream sense primer:	5' GCAGA <u>AATTC</u> ATGGCTACCTCTCGATATGAG 3'
CDK4 downstream antisense primer:	5' AAGTCGACCT CCGGATTACC TTCATCCTTA 3'
CDK4_BamH I antisense primer:	5' GCAGGATCCC TCCGGATTAC CTTCA 3'
CDK4 ^{D158N} sense primer:	5' AAGTTAGCCAGCTTGACTGT 3'
CDK4 ^{D158N} antisense primer:	5' AAGCTGGCTAACTTTGGCCT 3'
CDK4-3A sense sequence:	5' ACGCGGCCGC TGCTCCCCAC AGTGGCC 3'
CDK4-3A antisense sequence:	5' GAGCAGCGGC CGCGTACACT GTCCCAT 3'
CDK4 ^{K22A} sense sequence:	5' GTGTACGCGG CCCGTGATCC CC 3'
CDK4 ^{K22A} antisense sequence:	5' ATGGGACAGT GTACGCGGCC CG 3'
CDK6 upstream sense primer:	5' GCAGA <u>AATTC</u> ATGGCTACCTCTCGATATGAG 3'
CDK6 downstream antisense primer:	5' TATGTCGACGGCTGTATTCAGCTCCGAGGTG 3'
p16 ^{INK4} upstream sense primer:	5' ATTGA <u>AATTC</u> A TGGAGCCGGC GGCAGGGGAGC 3'
p16 ^{INK4} downstream sense primer:	5' ATTGTCGACA TCGGGGATGT CTGAGGGAC 3'
p21 ^{CIP1} upstream sense primer:	5' GAGA <u>AATTC</u> ATGTCAGAACCGGCTGGGGAT 3'
p21 ^{CIP1} downstream antisense primer:	5' AAGTCGACGGGCTTCCTCTTGGAGAAGAT 3'
p27 ^{KIP1} upstream sense primer:	5' GGA <u>AATTC</u> ATGTCAAACGTGCGAGTGTCTA 3'
p27 ^{KIP1} downstream antisense primer:	5' AAGTCGACCGTTTGACGTCTTCTGAGGCCA 3'