

Mouse CyclinD2 promoter

HindIII

AAGCTTGAGGGGCATAACCTTTATCCCTGGTTTGGCGAGGTTGCAATTTTCTCAAATAAGCCTTT -481
TTCTGAACTCCCCGATTGGAAATAGGGACCAACCCTCCAACGTTAAAAGAGTTTATTCGGAAA

CCTTGTTCCCTCATTTAGGGGTCTACTTCTAAGTTATCTGAACTCATCCACATGGTAAATCTATCTACCTGAATCTTGAAT -401
GGAACAAGGAGTAAATCCCCAGATGAAGATTCAATAGACTTGAGTAGGTGTACCATTAGATAGATGGACTTAGAACTTA

AATGGGCTGTTTTTCTGATCACATTGCAAGCCTCCGAAGTTAGAGAGCACACACGTACACACCTTTATGCCCCCATGGT -321
TTACCCGACAAAAGACTAGTGTAACTGTCGGAGGCTTCAATCTCTCGTGTGTGCATGTGTGGGAAATACGGGGGTACCA

ATGCCACAGAATGTGAGAAAGGATAATCAATAGGAATCCATGGGGTTTGTGGGTTCCCTATCCGAGGCCCTAGCATG -241
TACGGATGTCTTACAGTCTTCCCTATTAGTTATCCTTAGGTACCCCAACACCCAAGGGGATAGGCTCCGGGGATCGTAC

CGGGGCTGGATGGGGAGAGGGCCTCGGAGAAGTAGGGAGAGGGGTTGGGGTGGGGAGCGGGATCGTGTGTTGAAGTTTG -161
GCCCCGACCTACCCCTCTCCCGAGCCTCTTCATCCCTCTCCCCAACCCCAACCCCTCGCCCCCTAGCACAAACTTCAAAC

GTCAGCCAGCTGCTGTGCTCCTTAATAACAAGAGGGAAGGGGGGGGAGAGGGAGGAAAGATTGAAAGGAGGGGAGG -81
CAGTCCGGTTCGACGACACGAGGAATTAATTGTTCTCCCTTCCCCCCCCCTCTCCCTCCCTTTCTAACTTTCTCCCTCC

GACGCTAGAGGAGGG**GAGGAA**AGGGGAGGAGGAACCTGAGAGGGGGAGGAGATCTAACTGCCCTTCCAGCTTGCGTCAC -1
CTGCGATCTCCTCCCTCCTTTCCCCCTCCTCCTGGACTCTCCCCCTCCTCTAGATTGACGGGAAGGTCGAACGCAGTG

Elf5-RE

TGCCCTGAGCGAGAGAGGAGAGCGAGCTGAGGAGAGCCGGGCAGTTCGGAGGGAAGGACCGGTGCGAGTCAGCGGCCCTT
ACGGACTCGCTCTCCTCTCGCTCGACTCCTCTCGGCCGTCAAGCCTCCCTTCTGACCAGCTCAGTCCGCCGGGAA

GAGGCTCCGCTCGCCACCTTC
CTCCGAGGCGAGCGGTGGAAG

Mouse Cyclin D2 upstream element

GGAGGCCATATCTGGCAGAGGGATGCAGGTACCAGAACCCGCCCTACCAGCAGCAATGATGGAAATCCTGCCTCATATA
CCTCCGGTATAGACCGTCTCCCTACGTCCATGGTCTTGGGGCGGGATGGTCGTTACTACCTTTAGGACGGAGTATAT

AATTCCTGCTGAAAGAGAGATTGGGTGTGGGTTGGGAGCTACAGATTAGAAAGGAAAGGATTACAGTAGTATTCAAACCTA
TTAAGACGACTTTCTCTTAACCCACACCCAACCTCGATGTCTAATCTTCTTTTCCCTAATGTCATCATAAGTTTGAT

Elf5-RE

AGTTTGAGCCCCGCCCCCAAATGAGTCCCCTTGACAACTCCAGCTTAAAAACCTCCTCTGCAGAATGGAGACTACCT
TCAAACTCGGGGCGGGGGTTTACTCAGGGGAACGTTTGGAGTCGAATTTTGGAGGAGACGTCTTACCTCTGATGGA

TCCTTTCCAGGTCCCCACCAAGTGAGCTGATGTTGTGGGTGCTGAGACAAGCTCTGTGTCTAACTCAGAGTCATTACTGG
AGGAAAGGTCAGGGGTGGTTCACCTCGACTACAACACCCACGACTCTGTTTCGAGACACAGATTGAGTCTCAGTAATGACC

CTTACATTACAATCCACACACTGCTGTTCTGAAGATGGCATTACTTGGGGGACAGCAGGAGACCCCCAAAACCTGAGAC
GAATGTAATGTTAGGTGTGTGACGACAAGACTTCTACCGTAATGAACCCCTGTCGTCCTCTGGGGGTTTGGACTCTG

CACTTCTCCCCAGCTCTGAGCCAGCAGGATGCTTGA**CATTCC**AGCTGCTGGCCTCCACTGAGGACTGGTTTACACAGC
GTGAAGGAGGGGTCGAGACTCGGTCTGCTTACGAACT**GTAAG**TCGACGACCGGAGGTGACTCTGACCAAATGTGTGC

Elf5-RE

AGATGTTATCTTCGGGTCTTTAATGGCACTCATTTAGGTTATTAACACCTTAGCTCTAATCAGATTAACCTCTGTTTGA
TCTACAATAGAAGCCCAGAAATTACCGTGAGTAAATCCAATAATTGTGGAATCGAGATTAGTCTAATTGGAGACAAACTT

Figure S3