|  |  |  |  |
| --- | --- | --- | --- |
| **Supplementary Table 2. Sequences of RNA and DNA oligonucleotides** | | | |
| **Name** | **Sense strand/sense primer (5'-3')** | | **Antisense strand/antisense primer (5'-3')** |
| **siRNA duplexes** | | |  |
| siNCAPG#1 | GGAGUUCAUUCAUUACCUU dTdT | | AAGGUAAUGAAUGAACUCCdTdT |
| siNCAPG#2 | GCUGAAACAUUGCAGAAAU dTdT | | AUUUCUGCAAUGUUUCAGCdTdT |
| siE2F1#1 | AAGUCACGCUAUGAGACCUCATT | | UGAGGUCUCAUAGCGUGACUUTT |
| siE2F1#1 | AUAGCAUGAUUCAUACUCUTT | | AGAGUAUGAAUCAUGCUAUTT |
| NC | UUCUCCGAACGUGUCACGUdTdT | | ACGUGACACGUUCGGAGAAdTdT |
| shNCAPG | GGAGUUCAUUCAUUACCUU dTdT | | AAGGUAAUGAAUGAACUCC dTdT |
|  |  | |  |
|  |  | |  |
| **Primers for RT-PCR** | | |  |
| E2F1 | CACAGATCCCAGCCAGTCTC | | AGAAGTCCTCCCGCACATG |
| NCAPG qPCR | GAAGAGGAAGATGGTGGCCT | | TGTTTATGAGCAGGCACACT |
| NCAPG DNA | CCCTTTGGCTGGTTTGGATA | | GCTGGTTCACGTTTATAGACCA |
| DNA-βactin | CCACAACCCAACCAACCAG | | TCCCCAAATCGCCTTCCTTA |
| β-actin | GCACCCAGCACAATGAAGAT | | ACATCTGCTGGAAGGTGGAC |
|  | |  |  |
| **Primers for cloning(restriction enzyme sites underlined)** | | | |
| NCAPG | ATGGCGGCCGCATGGGAGCGGAAAGGAGGCTGCTGT | | ATGTCTAGACTAACTTAGATCTTCATTGAGAAAT |
|  | | | |
| **Primers for NCAPG promoter cloning (restriction enzyme sites underlined)** | | | |
| -2.0NCAPG-F | | ATGGGTACCGAGGTCAGGAGTTCGAGACCAGCCT | |
| -1.5NCAPG-F | | ATGGGTACCGGTGGCTTTAGTAATGTTCTATTTC | |
| -1.0NCAPG-F | | ATGGGTACCTATTGTAGGGTGGCATATTTTGGTC | |
| -0.5NCAPG-F | | ATGGGTACCGCCCTTCGGCCACAAGGGAGGTTGT | |
| -0.5-0.25NCAPG-F | | ATGGGTACCGTTGAACCTAGACGCATGCGCCCAA | |
| -0.5-0.25NCAPG-R | | ATGGCTAGCCTTGTCCAGCCGTTTTCACGGAGGG | |
| -0.25~0.2  NCAPG-F | | ATGGGTACCCCCTCCGTGAAAACGGCTGGACAAG | |
| -0.25~0.2  NCAPG-R | | ATGGCTAGCGGCTCTGGAACCCTGCCGGGACGAG | |
| point mutation A-F | | GAGCGCTGCCTCTGGCAACCGCCCGACGCAGGCTGTAGCCGA | |
| point mutation A-R | | TCGGCTACAGCCTGCGTCGGGCGGTTGCCAGAGGCAGCGCTC | |
| point mutation B-F | | AGGCTGTAGCCGAGCCGCCCGTCGACTCGTCCCGGCAG | |
| point mutation B-R | | CTGCCGGGACGAGTCGACGGGCGGCTCGGCTACAGCCT | |
| deletion mutation A-F | | GAGCGCTGCCTCTGGGCAGGCTGTAGCCGA | |
| deletion mutation A-R | | TCGGCTACAGCCTGCCCAGAGGCAGCGCTC | |
| deletion mutation B-F | | AGGCTGTAGCCGAGCGACTCGTCCCGGCAG | |
| deletion mutation B-R | | CTGCCGGGACGAGTCGCTCGGCTACAGCCT | |
| **Primers ChIP** | |  | |
|  | | TGTCATAGAAGACTACTCGGAG | |
|  | | GGCTCTGGAACCCTGCCG | |

NCAPG, Non-SMC Condensin I Complex Subunit G; E2F1, E2F Transcription Factor 1; ChIP, chromatin immunoprecipitation; qPCR, quantitative real-time; NC, negative control.