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| **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 |
| -0.25~0.2NCAPG-F | ATGGGTACCCCCTCCGTGAAAACGGCTGGACAAG |
| -0.25~0.2NCAPG-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.