

## List of oligonucleotides used in the study

Supplementary Table 1: The primers for FLAG-tagged FoxM1 mutant plasmids construction.

| Mutants | Primers                                                                          |
|---------|----------------------------------------------------------------------------------|
| R6A     | Forward: 5'-CACCATTGGCAATGAGCGGTTC-3';<br>Reverse: 5'-AGGTCTTTGCGGATGTCCACGT-3'; |
| R7A     | Forward: 5'-CACATCCTGGAAGGCAGCAA-3';<br>Reverse: 5'-CCCCCAAAGTGGTGGTATCC-3';     |
| R13A    | Forward: 5'-CACCATTGGCAATGAGCGGTTC-3';<br>Reverse: 5'-AGGTCTTTGCGGATGTCCACGT-3'; |
| R14A    | Forward: 5'-CACCATTGGCAATGAGCGGTTC-3';<br>Reverse: 5'-AGGTCTTTGCGGATGTCCACGT-3'; |
| R15A    | Forward: 5'-CACATCCTGGAAGGCAGCAA-3';<br>Reverse: 5'-CCCCCAAAGTGGTGGTATCC-3';     |

Supplementary Table 2: The primers for TFAM promoter cloning.

| Name          | Primers                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------|
| pGL3-TFAM-luc | Forward: 5'-CCGCTCGAGGCTGCAGTAAGTCTTCATGT-3';<br>Reverse: 5'-CCCAAGCTTGCAGAGCTTAATTCCGTGTGT-3'; |

Supplementary Table 3: sh-RNA and siRNA target sequences.

| Name             | Sequence                                                                      |
|------------------|-------------------------------------------------------------------------------|
| sh-EGFP          | 5'-TACAACAGCCACAA CGTCTAT-3'                                                  |
| sh-FoxM1         | 5'-GCCAATCGTTCTCTGACAGAA-3'                                                   |
| Negative control | Sense:: 5'-UUCUCCGAACGUGUCACGUTT-3'<br>Antisense: 5'-ACGUGACACGUUCGGAGAATT-3' |
| TFAM-homo-270    | Sense:: 5'-GGCAAGUUGUCCAAAGAAATT-3'<br>Antisense: 5'-UUUCUUUGGACAACUUGCCTT-3' |
| TFAM-homo-750    | Sense:: 5'-GGACGAAACUCGUUAUCAUTT-3'<br>Antisense: 5'-AUGAUAACGAGUUUCGUCCTT-3' |
| TFAM-homo-611    | Sense:: 5'-CAGCUUAUAACGUUUAUGUTT-3'<br>Antisense: 5'-ACAUAAACGUUAUAAGCUGTT-3' |

Supplementary Table 4: The primers for RT-PCR

| Name      | Primers                                |
|-----------|----------------------------------------|
| FoxM1b    | Forward: 5'-TGGACCAGGTGTTTAAGCAGC-3';  |
|           | Reverse: 5'-GGGAGTTCGGTTTTGATGGTC-3';  |
| c-Myc     | Forward: 5'-TCAAGAGGCGAACACACAAC-3';   |
|           | Reverse: 5'-GGCCTTTTCATTGTTTTCCA-3';   |
| Cyclin D1 | Forward: 5'-GCTGCGAAGTGGAAACCATC-3';   |
|           | Reverse: 5'-CCTCCTTCTGCACACATTGAA-3';  |
| GAPDH     | Forward: 5'-CTCCTCCACCTTTGACGCT-3';    |
|           | Reverse: 5'-GGGTCTCTCTCTTCCTCTTGTG-3'; |