

Table 1. Primers used in this study

| <u>Primers for qRT-PCR</u> | | |
|---|-----|---|
| tapasin | fw | 5'-ACACTGCGAGATGAGCCGCTTC-3' |
| | rev | 5'-TGAGGACGGTCAGCACCCTGT-3' |
| TAP1 | fw | 5'-TGCCTAAGAAGCTGGGAAAA-3' |
| | rev | 5'-GTAAGCCAAGGCCTCCTTCT-3' |
| TAP2 | fw | 5'-CGGTGCTAAAGGAGATCCAG-3' |
| | rev | 5'-CCATCACCCCTCCGTATGACT-3' |
| LMP2 | fw | 5'-TCTTCTGTGCCCTCTCAGGT-3' |
| | rev | 5'-TGGTCCCAGCCAGCTACTAT-3' |
| <u>Primers for APM promoter cloning</u> | | |
| tapasin | fw | 5'-GCATCCTAGAGTCACAGAGC-3' |
| | rev | 5'-GGTGCTACGATCTCTCCTAC-3' |
| TAP1/LMP2 | fw | 5'-AAAAAGCTTCATCTCAGCAGAGCGGGG-3' |
| | rev | 5'-AAAAAGCTT CATCGAGCGTGAGCTGTCC-3' |
| <u>Mutagenesis primers for tapasin promoter</u> | | |
| NF-κB(-82) | fw | 5'-CCCTTGCCATGAGAATCCCAAATTGAGTTGTCATGAAAG-3' |
| | rev | 5'-CTTTCATGACAACCTCAATTTGGGATTCTCATGGCAAGGGT-3' |
| p300(-309) | fw | 5'-GGTCTGGGAACGCGGGATCCTGGTTTTAAGGGAGGTGG-3' |
| | rev | 5'-CCACCTCCCTTAAAACCAGGATCCCGCGTTCCAGACC-3' |
| E2F(-146) | fw | 5'-CGGCAACTCTGTTTGGATCCTGTGGGCGGCGTT-3' |
| | rev | 5'-GGAACGCCGCCACAGGATCCAAACAGAGTTGCCG-3' |
| E2F(-229) | fw | 5'-GGGCTCAAAGTTGGATCCGTCCAGTGAGCCAAGGGGGTGGG-3' |
| | rev | 5'-CCACCCCCTTGGCTCACTGGACGGATCCACTTTGAGCCC-3' |
| SP1(-206) | fw | 5'-CCAGTGAGCCAAGGGGAAAGGTGCAGGGCGAGG-3' |
| | rev | 5'-CCTCGCCCTGCACCTTTCCCCTTGGCTCACTGG-3' |
| p300(-191) | fw | 5'-GGGTGCAGGGCGAGGATCCGCTGGAGAGCTACAG-3' |
| | rev | 5'-CTGTAGCTCTCCAGCGGATCCTCGCCCTGCACCC-3' |
| NF-κB(-82) | fw | 5'-ACCTGACCAGATCGGCGCCTTTCAGTTCCTCACCCCAGC-3' |
| | rev | 5'-GCTGGGGTGAGGAATCGGAAAGGCGCCGATCTGGTCAGGT-3' |
| <u>Mutagenesis primers for TAP1 promoter</u> | | |
| E2F(-103) | fw | 5'-CGTTCTACCAGCATTTGGATCCCAGAGCAAACCTGAGCAGG-3' |
| | rev | 5'-CCTGCTCAGGTTTGTCTGGGATCCAAATGCTGGTAGAACG-3' |
| E2F(-453) | fw | 5'-CCCGGGACTCCATGGGCACGCCCTCGGACC-3' |
| | rev | 5'-GGTCCGAGGGCGTGCCATGGAGTCCCGGG-3' |
| <u>Mutagenesis primers for TAP2 promoter</u> | | |
| P300(-1257) | fw | 5'-GGAGGGACCTGAGGTCTCTCCCTCCTCCATTTTCC-3' |
| | rev | 5'-GGAAAATGGAGGAGGGAGAGACCTCAGGTCCCTCC-3' |
| P300(-649) | fw | 5'-CCCGAGAGTTAGCAGGGGTCTCGCCATTCCCAAACC-3' |
| | rev | 5'-GGTTTGGGAATGGGCGAGACCCCTGCTAACTCTCGGG-3' |
| P300(-318) | fw | 5'-GGGTCTTCTGCCGCTTGGTCTCTGCCCCGTGTCC-3' |
| | rev | 5'-GGACACGGGGCAGAGACCAAGCGGCAGAAGACCC-3' |
| E2F(-86) | fw | 5'-GGCTCAGGGTGGATTTGGATCCGGAGGCTCGTAACCAGGG-3' |
| | rev | 5'-CCCTTGGCATGAGTCCCCGGATCCAAATCCACCCTGAGCC-3' |

| <u>Primers for RNA Pol II ChIP assays</u> | | |
|--|-----|---------------------------------|
| tapasin | fw | 5'-AGGAATAGACACACTGGGAAGG-3' |
| | rev | 5'-AGCAGTGTGGCAGGTTTCTTAG-3' |
| TAP1 | fw | 5'-CGTCTCTACCTGGTTCTGGTTC-3' |
| | rev | 5'-CTTCCCGGGACTACTTTACTCT-3' |
| LMP2 | fw | 5'-TCCACAGTGAACGTAGGGTATC-3' |
| | rev | 5'-ACCTTCTCTCAGGTGCTTCATC-3' |
| TAP2 | fw | 5'-CAGTGAAGTGAAAGCGAAAGC-3' |
| | rev | 5'-TGCTAACTCTCGGGTTCTATCC-3' |
| <u>Primers for p300 ChIP assays</u> | | |
| tapasin | fw | 5'-CTCTGTTTGCTGGGACCTG-3' |
| | rev | 5'-TAGCTCTCCAGCCACTCCTC-3' |
| TAP2 | fw | 5'-AAACCCTTGGCGTCATCAT-3' |
| | rev | 5'-CGGTAGCCTTAGATGGCTTG-3' |
| LMP2 | fw | 5'-CCCTGAGTGAGGACAAGCTC-3' |
| | rev | 5'-GTCTGGGCAAAGTTCTCAGG-3' |
| <u>Primers for E2F1 ChIP assays</u> | | |
| tapasin | fw | 5'-GAGAGCTACAGACAGGGTTTCG-3' |
| | rev | 5'-TGGTGCTACGATCTCTCCTACC-3' |
| TAP1 | fw | 5'-GAACCAACAGGGAGAAGATTCC-3' |
| | rev | 5'-TTCTAGTCAGCTCCACCAGCTC-3' |
| TAP2 | fw | 5'-CATGGCTTTACTTGGGTTGC-3' |
| | rev | 5'-CTCCCACCAGAGCTCTTAGC-3' |
| LMP2 | fw | 5'-TCCACAGTGAACGTAGGGTATC-3' |
| | rev | 5'-ACCTTCTCTCAGGTGCTTCATC-3' |
| <u>Oligonucleotides for electro mobility shift assay</u> | | |
| p300(-309) | fw | 5'-GAACGCGGGAGTGTGGTTT-3' |
| | rev | 5'-AAAACCACACTCCCGCGTTC-3' |
| E2F(-146) | fw | 5'-ACTCTGTTGGCCCCTGTGG-3' |
| | rev | 5'-CCACAGGGGCCAAACAGAGT-3' |
| E2F(-229) | fw | 5'-CTCAAAGTTGGCGCAGTCCG-3' |
| | rev | 5'-CGGACTGCGCCAAC TTTGAG-3' |
| <u>siRNA sequences</u> | | |
| E2F1 | | 5'-CCUGGAGCAAGAAGCAGUAUUGCCA-3' |

fw: forward primer; rev : reverse primer; siRNA: short interfering RNA