**File 1a**

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| --- | --- | --- |
| **Gene** | **Accession number** | **Target sequence (5’ – 3’)** |
| ABCF1 | NM\_001090.2 | TCCCGCCAAGCCATGTTAGAAAATGCATCTGACATCAAGCTGGAGAAGTTCAGCATCTCCGCTCATGGCAAGGAGCTGTTCGTCAATGCAGACCTGTACA |
| NRDE2 | NM\_017970.3 | TGGAGGTCCTATGTACAGATTCAGAATAAGTCCCACAGTGCCAGCAAAACCAGGAGATTTTTTGACACAATCACCAGGTCTGCCAAACCCTTGGAGCCTT |
| POLR2A | NM\_000937.2 | TTCCAAGAAGCCAAAGACTCCTTCGCTTACTGTCTTCCTGTTGGGCCAGTCCGCTCGAGATGCTGAGAGAGCCAAGGATATTCTGTGCCGTCTGGAGCAT |
| PUM1 | NM\_001020658.1 | CTGGGGAACATCAGATCATTCAGTTTCCCAGCCAATCATGGTGCAGAGAAGACCTGGTCAGAGTTTCCATGTGAACAGTGAGGTCAATTCTGTACTGTCC |
| SF3A1 | NM\_005877.4 | GATGATGAGGTGTACGCACCAGGTCTGGATATTGAGAGCAGCTTGAAGCAGTTGGCTGAGCGGCGTACTGACATCTTCGGTGTAGAGGAAACAGCCATTG |
| KCNMA1 | NM\_001014797.2 | CCGTGCGACAGCCGGGGCCAACGCATGTGGTGGGCTTTCCTGGCCTCCTCCATGGTGACTTTCTTCGGGGGCCTCTTCATCATCTTGCTCTGGCGGACGC |
| KCNMA1-DEC | XM\_024447988.2 | AAACAGAATGCAACAAGGATGAATAGAATGGGCCAAGAAAAGAAATGGTTTACAGATGAACCGGATAATGCCTATCCCAGAAACATTCAAATCAAGCCCA |

**File 1b**

|  |  |  |  |
| --- | --- | --- | --- |
| **Primer name** | **Sequence (5’ – 3’)** | **Species** | **Amplicon size** |
| BKCa-DEC for | CAAACAGAATGCAACAAGGATG | Human / mouse | 124 bp |
| BKCa-DEC rev | GTTAGCCATGTGGGTACTC | Human / mouse |
| BKCa for | CGCCTCTTCATGGTCTTC | Human / mouse | 134 bp |
| BKCa rev | ATGTGCTTTCTTCCACTAAC | Human / mouse |
| h b-tubulin for | GGCCAGATCTTTAGACCAGAC | Human | 120 bp |
| h b-tubulin rev | CACATCCAGGACAGAATCAAC | Human |
| m b-tubulin for | AGTGTGGCAACCAGATC | Mouse | 114 bp |
| m b-tubulin rev | AGTAAACGCTGATCCTCTC | Mouse |

**File 1c**

|  |  |  |
| --- | --- | --- |
| **siRNA name** | **Sequence (5’ – 3’)** | **Targeted Species** |
| siScrbl | UUCUCCGAACGUGUCACGU-dTdT | Human / mouse |
| siBK | UAGGAAACCGCAAGAAAUA-dTdT | Human / mouse |
| siBK-DEC | CCAGAUCAACCAAUAUAAA-dTdT | Human / mouse |