

Supplementary Table: PCR primers and shRNA oligonucleotides used

| Primer name | Sequence 5'→3' |
|----------------------|--|
| 5'NAKSaII | TCCCCGCGGAAG AAGTTTTTCGACTCCCGG |
| 3'NAKRI | GGA ATTCCAGGAGAATTGCCTGAACCCGG |
| K74A forward | GATGAAATGTGCCTTGCA CGCATGTTTGTCAAT |
| DPF forward | CTTCTAAGCGTGTCTGCTGCTGCCATTCCTCTTCAAGTAC |
| 3'NAK631 | GGAATTCTCACCCAGCACGTTGGGTTTTGGG |
| shAAK1 forward | GATCCCCGTGCTCATTCTGATGGACTTTCAAGAGAAGTCCATCAGAATGAGCACTTTTTGGAAA |
| shAAK1 reverse | AGCTTTTCAAAAAGTGCTCATTCTGATGGACTCTTCAAAGTCCATCAGAATGAGCACGGG |
| shNumb forward | GATCCCCGCAAAGCTTCAGGAGAATTCAAGAGATTCTCCTGAAGCTTTGCCGTTTTGGAAA |
| shNumb reverse | AGCTTTTCAAAAACGGCAAAGCTTCAGGAGAATCTCTTGAATTCTCCTGAAGCTTTGCCGGGG |
| shscrambled- forward | GATCCCCGATTCTCAGGGTATGTCTTTCAAGAGAAGACATACCCTGAGGAATCTTTTTGGAAA |
| shscrambled- reverse | AGCTTTTCAAAAAGATTCTCAGGGTATGTCTTCTTCAAAGACATACCCTGAGGAATCGGG |
| shmutated forward | GATCCCCGTGCTCATATTAATGGACTTTCAAGAGAAGTCCATTAATATGAGCACTTTTTGGAAA |
| shmutated reverse | AGCTTTTCAAAAAGTGCTCATATTAATGGACTTCTTCAAAGTCCATTAATATGAGCACGGG |