**Table S1. Oligonucleotides used in this study.**

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| --- | --- |
| Primer | Sequence a |
| upFLKf | GCTCTAGATTTAAATGTTCTCCGTAAGGATAAGCATC |
| upFLKr | GCTCTAGAGTGGTGGACTGGTGAGGACT |
| lolAANMTdf | CGCCCGGGATGCACAAGGTCCAGATACATG |
| lolAANMTdr | CGCTCGAGTTATTGCTACTCTATTACCTCCT |
| aamAd1 | GCTGAGGAAGATGCGCTGAT |
| aamAup1 | CAGCGTTTAGCTGAGCACC |
| Mexpf | CGACTAGTATGACGGTGAATAGCAGCG |
| Mexpr | CTATTCCACCTTGCCCATC |
| Nexpf | CGACTAGTATGTCGAACATGAGAGCTACG |
| Nexpr | GCACGCGTCATCCAACGAGCTCCGTG |
| hphf | TCTCGTGATTCTTTCCATC |
| hphr | CGGATCGGACGATTGCGT |
| lolNMkops | ATGTAGCCCGGTGCACAGA |
| LinkerA | GATATCACGCGTCTCGAGACTAGT |
| LinkerB | ACTAGTCTCGAGACGCGTGATATC |
| MexpYNfBglII | CGAGATCTTTATGACGGTGAATAGCAGCG |
| MexpYNrBglII | CCGAGATCTCTTCCACCTTGCCCATCTTC |
| lolNampr | ACCATCTCCAAAGCGTGCAGG |

a Underlined segments indicate restriction-endonuclease cleavage sites incorporated in the primers to facilitate cloning.