**Supplementary File 2**

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| **Primer Name** | **Sequence (5’ to 3’)** |
| EcoI\_8HisNLS\_XbaI | AATTCGCCGGCCACCACCACCACCACCACCACCACGGCGCCCTGCCCCCCCTGGAGCGCCTGACCCTGTAAT |
| XbaI\_8HisNLS\_EcoRI | ctagattacagggtcaggcgctccagggggggcagGGCGCCGTGGTGGTGGTGGTGGTGGTGGTGGCCGGCG |
| XbaI\_8HisNLS\_EcoRI | ctagattacagggtcaggcgctccagggggggcagGGCGCCGTGGTGGTGGTGGTGGTGGTGGTGGCCGGCG |
| Nde1\_AKAP79\_331 | CATGGCAGCCATATGCATCATCACCATCATCATAAAAGAATGGAGCCAATTG |
| Nde1\_AKAP79\_1 | CATGGCAGCCATATGCATCATCACCATCATCATATGAGCCACATCCAGATCC |
| AKAP79\_427\_EcoRI | ACAGAATTCTCACTGTAGAAGATTGTTTATTTTATTATCATCAGAG |
| hS98A\_F | GATTTAATAGACGAGTAGCAGTCTGTGCTGAGACC |
| hS98A\_R | GGTCTCAGCACAGACTGCTACTCGTCTATTAAATC |
| hS98E\_F | CTAGCAGATTTAATAGACGAGTAGAAGTCTGTGCTGAGACCTATAACCCTG |
| hS98E\_R | CAGGGTTATAGGTCTCAGCACAGACTTCTACTCGTCTATTAAATCTGCTAG |
| ΔPKA\_F | GAGGATAGAACTTCAGAACAATATGAAACAAAGAATGCTATTCAGTTGTCAATAGAAC |
| ΔPKA\_R | GTTCTATTGACAACTGAATAGCATTCTTTGTTTCATATTGTTCTGAAGTTCTATCCTC |
| Prkar2a\_F | TAGAATTCCACATGAGCCACATCCAGATCCCAC |
| Prkar2a\_R | TAGGATCCGAGCTACTGCCCGGGGTCCAATAGATC |
| Prkar2a\_shRNA\_resist\_F | GCGAGGCCCGCCGGCAAGAGTCAGACTCGTTCA |
| Prkar2a\_shRNA\_resist\_R | TGAACGAGTCTGACTCTTGCCGGCGGGCCTCGC |
| shRIIα\_F1 | GCCAGGAATCAGACTCGTTCATTCAAGAGATGAACGAGTCTGATTCCTGGCTTTTTTGT |
| shRIIα\_R1 | CTAGACAAAAAAGCCAGGAATCAGACTCGTTCATCTCTTGAATGAACGAGTCTGATTCCTGGC |
| shRIIα\_2F | GGAAGCCTGTAAAGACATTTTCAAGAGAAATGTCTTTACAGGCTTCCTTTTTTGT |
| shRIIα\_2R | CTAGACAAAAAAGGAAGCCTGTAAAGACATTTCTCTTGAAAATGTCTTTACAGGCTTCC |
| shRIIα\_3F | GGCAGTAGATGTGATGAATTTCAAGAGAATTCATCACATCTACTGCCTTTTTTGT |
| shRIIα\_3R | CTAGACAAAAAAGGCAGTAGATGTGATGAATTCTCTTGAAATTCATCACATCTACTGCC |
| shScram\_F | GCCACGTCATAGAGACACTGTTTCAAGAGAACAGTGTCTCTATGACGTGGCTTTTTTGT |
| shScram\_R | CTAGACAAAAAAGCCACGTCATAGAGACACTGTTCTCTTGAAACAGTGTCTCTATGACGTGGC |
| rS97A\_F | CCAGCAAATTTACTAGACGAGTAGCAGTCTGTGCAGAAAC |
| rS97A\_R | GTTTCTGCACAGACTGCTACTCGTCTAGTAAATTTGCTGG |
| rS97E\_F | CCGATTCCCAGCAAATTTACTAGACGAGTAGATGTCTGTGCAGAAACGTT |
| rS97E\_R | AACGTTTCTGCACAGACATCTACTCGTCTAGTAAATTTGCTGGGAATCGG |
| RIIα-IRES-EGFP\_F | GACGAGCTGTACAAGTAAACCGGTGCGGCCGCGACTCTAGATCATAATCAGCCATACCACATTTGTAGA |
| RIIα-IRES-EGFP\_R | TCTACAAATGTGGTATGGCTGATTATGATCTAGAGTCGCGGCCGCTGGCCATTTACTTGTACAGCTCGTC |
| FUGW\_NheI\_F | GGCTGCTGGGCTAGCCGGGGCTTTC |
| FUGW\_NheI\_R | GAAAGCCCCGGCTAGCCCAGCAGCC |