**Supplementary Table S1. Oligonucleotides used in the process of creating and sequencing pAUA.**

|  |  |
| --- | --- |
| ***Oligonucleotide*** | ***Sequence (5’ to 3’)*** |
| Asc\_Nco\_Alu\_F | GGC GCG CCA TGC CAT GGC CCC TGT AAT TAA TTG TCA TTG TC |
| Asc\_Alu\_R | GGC GCG CCA TTT GAT AAT CTG GTA TGT TAT C |
| Bam\_Alu\_F | CGC GGA TCC CTG TAA TTA ATT GTC ATT GTC |
| Bam\_Asc\_Alu\_R | GAC GGA TCC GGC GCG CCA TTT GAT AAT CTG GTA TGT T |
| Nco\_Ura\_F | CAT GCC ATG GCG GCA TCA GAG CAG ATT GTA C |
| Nco\_Ura\_R | CTA GCC ATG GCT CCT TAC GCA TCT GTG CGG |
| Ura\_Nco\_Mutation | GGA TAT CTT GAC TGA TTT TTC GAT GGA GGG CAC AGT TAA GCC G |
| pCR2.1\_M13F | GTA AAA CGA CGG CCA G |
| pCR2.1\_M13R | CAG GAA ACA GCT ATG AC |
| URA\_Nco\_Seq2 | CAG TAG ATA GGG AGC CCT TG |
| URA\_Nco\_Seq3 | CCT TGG TGG TAC GAA CAT CC |
| pRS415\_MCS\_F | CGA CGG CCA GTG AGC GCG CG |
| pRS415\_MCS\_R | CAC AGG AAA CAG CTA TGA CC |