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| **No.** | **Primer Name** | **Sequence (5’ to 3’)** |
| 1 | mACP-HA2-TEOE f | ACGATTTTTTCTCGAGATGAGAAGAAATATTATTCAAAAAATTCTGTTCAATAATA |
| 2 | mACP-HA2-TEOE r | CGTATGGGTACCTAGGTGTTTTTTTTATATTTAATTGAATTATATAATCTATAACT |
| 3 | Rieske-HA2-TEOE f | CATTTCGAATAAACACGATTTTTTCTCGAGATGAATAATATTAAATATGTGGAACTTTTTTAC |
| 4 | Rieske-HA2-TEOE r | GTAATCTGGAACATCGTATGGGTACCTAGGTCCAATTTTTATCGTATTTTCATCAACAAATTC |
| 5 | Cyt c1-GFP-TEOE f | ACGATTTTTTCTCGAGATGGCTGGTGGGGGAG |
| 6 | Cyt c1-GFP-TEOE r | CTGCACCTGGCCTAGGTAAATATTTGATTTTTCCAAAGTCAATTCTTCTAGTTG |
| 7 | Nfs1-HA2-pET28a f | GTTTAACTTTAAGAAGGAGATATACCATGGCCAAATTTCTTCAAATAATAAAACATCTCAAATTACAAAACAAAAAGAACGCAC |
| 8 | Nfs1-HA2-pET28a r | GATCTCAGTGGTGGTGGTGGTGGTGCTCGAGTGTCCATATAAACTTTGGAATGTCGTCATTCGAGGG |
| 9 | mACP-HA2-pET28a f | AGGAGATATACCATGGCCAGAAGAAATATTATTCAAAAAATTCTGTTCAATAATAAAAATATAACACTATGTAATACG |
| 10 | mACP-HA2-pET28a r | GGTGGTGGTGCTCGAGTTACGCGTAATCAGGTACATCGTATGGATAAGCGTAATC |
| 11 | TrmACP-HA2-pET28a f | AACTTTAAGAAGGAGATATACCATGGCCTTGAGCGCTCAAAAAAATAGTGCCTTTTTTTC |
| 12 | TrmACP-HA2-pET28a r | ATCTCAGTGGTGGTGGTGGTGGTGCTCGAGTTACGCGTAATCAGGTACATCGTATGGATAAGC |
| 13 | Isd11-His6-pET21d f | GTTAATATTATACAATATACCTAGGATGAATGGGAATC |
| 14 | Isd11-His6-pET21d r | CAGTGAAAAGTTCTTCTCCTTTACTCGTACGTTTGTTAACTAAAGG |
| 15 | mACP­\_gRNA\_sense | TAAGTATATAATATTTGGTATTGTTATATTAAATTGTTTTAGAGCTAGAA |
| 16 | mACP­\_gRNA\_antisense  | TTCTAGCTCTAAAACAATTTAATATAACAATACCAAATATTATATACTTA  |
| 17 | Phe-Ala mACP-HA2 f | GGATAATCGAGCCTGGGATGCTCTTGATACCGTTGAATTTTTAATAGATATTG |
| 18 | Phe-Ala mACP-HA2 r | CAATATCTATTAAAAATTCAACGGTATCAAGAGCATCCCAGGCTCGATTATCC |
| 19 | LYR-AAA Isd11 f | GTTAATATTATACAATATACCTAGGATGAATGGGAATCAAATAAAACAACTTAAGAAGGCTGCCGCGCATATATTGAATGAAGC |
| 20 | LYR-AAA Isd11 r | GAAGCTTCATTCAATATATGCGCGGCAGCCTTCTTAAG |
| 21 | mACP 5’UTR f | CCATACATATTTGTGTATGTATGTATGTATTTATTTATTATGTATTCAAATTATGC |
| 22 | mACP 3’UTR r | TTCTTCTCATCTTAAGCTATTTTATATTTATAATATAAATGAGCTCTTCAAAAGTAG  |
| 23 | 3’ Aptamer tag r | CCCAGGCCTCTAGTTTAC |
| 24 | L12A Isd11 f | GTTTAACTTTAAGAAGGAGATATACCATGGCCAATGGGAATCAAATAAAACAACTTAAGAAGGCTTATCGTCATATATTGAATGAAGCTTC |
| 25 | Y13A Isd11 f | GTTTAACTTTAAGAAGGAGATATACCATGGCCAATGGGAATCAAATAAAACAACTTAAGAAGTTAGCCCGTCATATATTGAATGAAGCTTC |
| 26 | R14A Isd11 f | GTTTAACTTTAAGAAGGAGATATACCATGGCCAATGGGAATCAAATAAAACAACTTAAGAAGTTATATGCACATATATTGAATGAAGCTTC |
| 27 | aACP\_F | ACGATTTTTTCTCGAGATGAAGATCTTATTACTTTGTATAATTTTTC |
| 28 | aACP\_R | CGTATGGGTACCTAGGTTGCTTATTATTTTTTTCTATATAATCTATAGCATCTTGA |
| 29 | Proc\_aACP\_F | AGGAGATATACCATGGCCTTAAATAGAAAAAATGATTACAATTTGATAAAAAATAAAAACCCATCTAGCTC |
| 30 | Proc\_aACP\_R | GGTGGTGGTGCTCGAGTTACGCGTAATCAGGTACATCGTATGGATAAGCGTAATC |

**Supplementary File 1.** PCR primers used for cloning and genotyping.