## Supplementary Table 13 - Diagnostic primers to check golden gate and Gibson assembly expression plasmids, for PCR and Sanger sequencing

|  |  |  |
| --- | --- | --- |
| Primer number | Primer name | Sequence (5’ to 3’) |
| 1047 | TAL1Fw1 | CTGTACACTAGGAAGCCCTGTT |
| 1858 | FK050 | CGGATGGATGTCTCAAAC |
| 2122 | BG26-DF | GCTGCAGTATTGTTCCTGAG |
| 2123 | BG26-DR | CCTGTTTGCCTTTCCTTACG |
| 2557 | FK117-MP1 | GTGGACGCTATGTTATGC |
| 2558 | FK118-MP2 | AGTCTCACCACCAAGATTC |
| 2559 | FK119-MP3 | CCAGGTCCAATCCCAATC |
| 2560 | FK120-MP4 | CAGTGTTCACCGTAAACAG |
| 2561 | FK121-MP5 | TCTGCTTTGTACGCTTCTG |
| 2562 | FK122-MP6 | CGTATTGGTCGTCGTCAG |
| 2564 | FK124-MP8 | GATGAAGAACGCTGTTCC |
| 4494 | RPE1 DG fw | TATCCAAGTCGAGCTGGGAAAG |
| 4495 | RPE1 DG rv | CCCATGAGTTAGGCACTTACG |
| 5598 | TKL1 DG fw | CGTTCCGTTCGCAATCTC |
| 5599 | TKL1 DG rv | GGTGTGATTCTCTCGAAGG |
| 5807 | DT2 | ATGTCTTCATCCAACGCC |
| 6023 | CHI knockout cassette rv | CAGTTCTCTTTGGCTAGTTTTTC |
| 8566 | FW\_zwf1\_outside | GGGTGGCGAATTCTTCAATG |
| 10335 | ConRE Rv | GGCTGTCTTGCTTAGTTGTG |
| 12220 | ABZ1\_SNO1\_THI4 REV | GTGTGGTTCATGGGTGCGTTAGTCATCGGTATGATCTGTACATG |
| 12612 | PAL1\_fw2 | CAGTTCTCTTTGGCTAGTTTTTC |
| 12614 | PAL1\_rv1 | TCGAATCTAACCGCTTCGAG |
| 12615 | PAL1\_rv2 | ACAAATCGCAACGAGGAACG |
| 13483 | ConL\_pGGK\_fw | TCTCCAGGACCATCTGAATC |
| 13668 | pGPM1 s.e dg fw | GAGGGCGGTTCTCATATTTC |
| 14788 | nadABhigh\_seq2\_fw | GCCGATAATTGCAGACGAAC |
| 17634 | TDH3p pGGKd017 fw | CTGGCCGATAATTGCAGACG |
| 17636 | CYC1t pGGKd017 rv | GATTTCCGTCTCATGCTCAG |
| 17819 | SeTPI1-At4CL3 GA fw | ACATACACTAAAAATGATCACTGCAGCTCTAC |
| 17820 | tSDH2-At4CL3 GA rv | TTTTTCTGATAGTTCAACAAAGCTTAGCTTTGAG |
| 17948 | coAtCHS3 dg fw | TATCGACGGTCACTTGAGAG |
| 17949 | coAtCHS3 dg rv | CGTGTCTAGTAGCTCTCATC |
| 17975 | coGhDFR dg rv1 | AAACCAGCAGCACCAGTAAC |
| 17976 | coGhDFR dg rv2 | CACAAGTCGTCCAAGTGAAC |
| 17977 | coGhDFR dg fw | AGTTGTGGAAGGCTGACTTG |
| 17978 | pSkTDH3 dg fw1 | CGGACATAACCTCAATGGAGTG |
| 17979 | coAtF3H dg rv1 | GTCTGGTTGTGGACACTTTG |
| 17980 | coAtF3H dg fw1 | ACGCTTGTGTTGACATGG |