## Supplementary Table 11 - Primers to make golden gate part plasmids and expression plasmids with Gibson assembly

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| Primer number | Primer name | Sequence (5’ to 3’) |
| 9413 | PGK1 se prom fw Ytoolkit | AAGCATCGTCTCATCGGTCTCAAACGGCTTCAATTCAAGATACACAGATATAC |
| 9414 | PGK1 se prom rev Ytoolkit | TTATGCCGTCTCAGGTCTCACATATGTTTTATATTTGTTGCAAAAAGTAG |
| 9743 | ENO1 se prom fw Ytoolkit | AAGCATCGTCTCATCGGTCTCAAACGCCAAGAAGATGCCGGCTAC |
| 9744 | ENO1 se prom rev Ytoolkit | TTATGCCGTCTCAGGTCTCACATATATTATTGTTTGATATAGTATTAGTTGCTTGGT |
| 10610 | PYK1 se prom fw Ytoolkit | AAGCATCGTCTCATCGGTCTCAAACGTGTAAATACCGGTTTTAGCC |
| 10611 | PYK1 se prom rv Ytoolkit | TTATGCCGTCTCAGGTCTCACATATGTGATGATGTTTTATTTGTTTTG |
| 16292 | GG\_pRPL25\_fw | GCATCGTCTCATCGGTCTCAAACGAGGTATGTTAGTGCTAAAAGCAAAATG |
| 16293 | GG\_pRPL25\_rv | ATGCCGTCTCAGGTCTCACATATTTATCTTATTGATCTTCTTTGTTTAGCCTTTTC |
| 16294 | GG\_pRPP0\_fw | GCATCGTCTCATCGGTCTCAAACGTTCAACAATTCGTTATATATATGGTAGGCT |
| 16295 | GG\_pRPP0\_rv | ATGCCGTCTCAGGTCTCACATATTCAAACTTATTATACGTATTTATTAGACTGTT |
| 16296 | GG\_pRPL10\_fw | GCATCGTCTCATCGGTCTCAAACGTCACTTGTCTGTGTGTTTAACTGCC |
| 16297 | GG\_pRPL10\_rv | ATGCCGTCTCAGGTCTCACATACTTGAATTAGTTATTTGATATACTGTACTT |
| 16298 | GG\_pRPL8A\_fw | GCATCGTCTCATCGGTCTCAAACGACATAAATAATTTCTATTAACAATGTAATTTC |
| 16299 | GG\_pRPL8A\_rv | ATGCCGTCTCAGGTCTCACATATTCGAATTAGTTGTTTTGATGTG |
| 16300 | GG\_pRPL3\_fw | GCATCGTCTCATCGGTCTCAAACGAGAGTCTTGGAGATTTTCGACCTG |
| 16301 | GG\_pRPL3\_rv | ATGCCGTCTCAGGTCTCACATAGATTGATTGTTGTAGTAACTGTGTTGTTC |
| 12377 | Backbone pGGKd017 FW | AAATCTGCTCGTCAGTGGTG |
| 12378 | Backbone pGGKd017 REV | ATTGCGACGAATTGCCACG |
| 17811 | pGGKd012-pRPS3 GA fw | CGACAACGTGGCAATTCGTCGCAATTCTGCTACTTTCCATTATCTGG |
| 17812 | coAtCPR1-pRPS3 GA rv | AGCAGAAGTCATTTTTGTAGTTTGTTTGCTGTTTTATTTTC |
| 17813 | pRPS3-coAtCPR1 GA fw | ACAAACTACAAAAATGACTTCTGCTTTGTACGC |
| 17814 | tIDH2-coAtCPR1 GA rv | AAGAATAGGACTTTTACCAAACGTCTCTCAAGTATC |
| 17815 | *ATCPR1*-tIDH2 GA fw | GACGTTTGGTAAAAGTCCTATTCTTTTCCCTCTC |
| 17816 | pGGKd012-tIDH2 GA rv | GTGAGCACCACTGACGAGCAGATTTTCCACTGAGGGACATTTTG |
| 17817 | pGGKd012-pSeTPI1 GA fw | CGACAACGTGGCAATTCGTCGCAATGGATGTCGTTGTTCTTGTTAC |
| 17818 | At4CL3-pSeTPI1 GA rv | TGCAGTGATCATTTTTAGTGTATGTGTATGTGTGTTTG |
| 17819 | SeTPI1-At4CL3 GA fw | ACATACACTAAAAATGATCACTGCAGCTCTAC |
| 17820 | tSDH2-At4CL3 GA rv | TTTTTCTGATAGTTCAACAAAGCTTAGCTTTGAG |
| 17821 | At4CL3-tSDH2 GA fw | AAGCTTTGTTGAACTATCAGAAAAACAGCTAGCC |
| 17822 | pGGkd012-tSDH2 GA rv | GTGAGCACCACTGACGAGCAGATTTAAGCCAAAAGGCCCTTCAAAAAC |
| 17823 | coAtC4H YTKpart fw | GCATCGTCTCATCGGTCTCATATGGACTTGTTGTTGTTGGAAAAGTC |
| 17824 | coAtC4H YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTTAACAGTTTCTTGGCTTCATAACG |
| 17827 | coAtCHS3 YTKpart fw | GCATCGTCTCATCGGTCTCATATGGTTATGGCTGGTGCTTCTTC |
| 17828 | coAtCHS3 YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTTACAATGGAACAGAGTGCAAAAC |
| 17829 | AtCHI1 YTKpart fw | GCATCGTCTCATCGGTCTCATATGATGTCTTCATCCAACGCCTGCG |
| 17830 | AtCHI1 YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTCAGTTCTCTTTGGCTAGTTTTTCCTC |
| 17834 | CHS4 internal BsaI removal RV | CACGTCTCACCTTAAACCCAACAACTTAGTCAA |
| 17835 | CHS4 internal BsaI removal FW | TTCGTCTCTAAGGCCATCTGTTAAGAGATTGATGATGTA |
| 17870 | coAtF3H YTKpart fw | GCATCGTCTCATCGGTCTCATATGGCTCCAGGTACTTTGAC |
| 17871 | coAtF3H YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTTAAGCGAAGATTTGGTCAACTG |
| 17872 | coGhDFR YTKpart fw | GCATCGTCTCATCGGTCTCATATGGAAGAAGACTCTCCAGCTACTGTTTG |
| 17873 | coGhDFR YTKpart rv | ATGCCGTCTCAGGTCTCAGGATCTATTGACCTTCCTTAGAACAACACAAC |
| 17874 | *coAtANS* YTKpart fw | GCATCGTCTCATCGGTCTCATATGGTTGCTGTTGAAAGAGTTGAATC |
| 17875 | *coAtANS* YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTTAGTCGTTCTTTTCAGAAACCAATTC |
| 17876 | coAt3GT YTKpart fw | GCATCGTCTCATCGGTCTCATATGACTAAGCCATCTGACCCAACTAGAG |
| 17877 | coAt3GT YTKpart rv | ATGCCGTCTCAGGTCTCAGGATTTAGATGATGTTAACAACAGCGTCCAAC |