## Supplementary Table 26 - List of primers for amplifying the fragments of the “basic design” of the anthocyanin pathway and diagnosing integration

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| Primer number | Primer name | Sequence (5’ to 3’) |
| 13183 | ARS106 + Tag CJ Fw | TCGACCCATGTTTATCGCTAGCAGTCGCTTCAGCTAGATTCACAGAGTGGCCGTGACAATCAATGTTTTATCTACGTTGGAGTAA |
| 14460 | DC - pFBA1 - FW NEW | TGAGCCAGTGCATTCCATCGATGCAGATTCGCGTCCACGTAACGTATCGGAAGCATAGGCCTTTTCCCATGTTTCCAATG |
| 14612 | flank F - pPDC1 (Se) - FW | CATACGTTGAAACTACGGCAAAGGATTGGTCAGATCGCTTCATACAGGGAAAGTTCGGCAGATGAAGTGACGCGCGCCCGGA |
| 15168 | AB-tADH3-rv | TCAGCGTGTTGTAATGATGCGCCATGAATTAGAATGCGTGATGATGTGCAAAGTGCCGTCTCTCTTCGGCCCTTTTATCGTG |
| 15587 | AB-SkADH1p\_fwd | GACGGCACTTTGCACATCATCACGCATTCTAATTCATGGCGCATCATTACAACACGCTGAACTCCCAAATAATCAAGGG |
| 17908 | Chunk16AB\_pRPS3\_fw | CGTAAGAACCGACTAACGTCCCCATATTGATGTTTACCGCCGAAGTGGGATCGGCCATCTTCTGCTACTTTCCATTATCTGGTC |
| 17909 | F\_tIDH2\_rv | TGCCGAACTTTCCCTGTATGAAGCGATCTGACCAATCCTTTGCCGTAGTTTCAACGTATGTCCACTGAGGGACATTTTGAG |
| 17910 | DW\_tLAT1\_rv | ACCCACAGTCGTAGATGCGTTGTCAGAATTTCCAGGTGTGGCTACATCTTCCGTACTATGAAACTTTATGCGTTATATCCTATATCCCACTCC |
| 17911 | DW\_pSeGPM1\_fw | CATAGTACGGAAGATGTAGCCACACCTGGAAATTCTGACAACGCATCTACGACTGTGGGTTAAACCTGATCTTTCACCTCAGTAAC |
| 17912 | DX\_tCIT1\_rv | ACAGGTCCTCAGGGCGATATTAATGGGATTGATGTCTGCCCTCCACTGTACTGCATGTAGCTTGACGTAGTATATCGACTACAGGC |
| 17913 | DX\_pSeTPI1\_fw | CTACATGCAGTACAGTGGAGGGCAGACATCAATCCCATTAATATCGCCCTGAGGACCTGTGGATGTCGTTGTTCTTGTTACAC |
| 17914 | DY\_tSDH2\_rv | ACACAGTCTAAGGAGAGTCTGCAATCCCTTATGAGTCAGTCAACGCATGAGGATGATGACAAGCCAAAAGGCCCTTCAA |
| 17915 | DY\_pTEF1\_fw | GTCATCATCCTCATGCGTTGACTGACTCATAAGGGATTGCAGACTCTCCTTAGACTGTGTCCTTGCCAACAGGGAGTTC |
| 17916 | AM\_tMDH1\_rv | CAGTGACATGCCGCTCAGTACTCGTATCTTACATGACGTGGGCATGGGTTCCGCTCATATGTTTATTCATCATTATCATCATCATCATC |
| 17917 | AM\_tSDH4\_fw | ATATGAGCGGAACCCATGCCCACGTCATGTAAGATACGAGTACTGAGCGGCATGTCACTGAATTGAAAATCCGCGAGTG |
| 17918 | DC(i)\_tSDH3\_fw | GCCTATGCTTCCGATACGTTACGTGGACGCGAATCTGCATCGATGGAATGCACTGGCTCAGCAGAAATTATCTTGATATCTGT |
| 17919 | EA\_pSkTDH3\_rv | AAGTAGGTCAGAGTAGCACTGGCTATGATTCGCAATGCTTGGTGAATTGAGAGCTATCCTAACGGCGAATTTTTACTAACC |
| 17920 | EA\_tACO1\_fw | AGGATAGCTCTCAATTCACCAAGCATTGCGAATCATAGCCAGTGCTACTCTGACCTACTTGCTCAGCCTTATTACTTAATTT |
| 17921 | EB\_pSePGK1\_rv | AAGCCTCGGACTCGAAGCATGAATCATGTATCATAGGCGGCTCAGCCTTAGCCAATATGAGCTTCAATTCAAGATACACAG |
| 17922 | EB\_tFUM1\_fw | TCATATTGGCTAAGGCTGAGCCGCCTATGATACATGATTCATGCTTCGAGTCCGAGGCTTTGCGGGTAATACTAGGTCC |
| 17923 | EC\_pSeENO2\_rv | TGAAATTATTCTGTGCCGGGCAGCGAAATGGCAGTATGCTCAGTGACGTGAGTGCCATCTAACGCCAAGAAGATGCCG |
| 17924 | EC\_tDIC1\_fw | AGATGGCACTCACGTCACTGAGCATACTGCCATTTCGCTGCCCGGCACAGAATAATTTCAGCCCAGCAAAATTCGAAA |
| 17925 | CJ(i)\_pSePYK1\_rv | ATTGTCACGGCCACTCTGTGAATCTAGCTGAAGCGACTGCTAGCGATAAACATGGGTCGAAACGTGTAAATACCGGTTTTAGC |
| 17926 | DL\_ARS106\_rv | CGCAAATGTCCCATCGTATTTCAGAACCTTGTCACTCATGCGAGCAAGTGTGACAGCTATGCCGAAAAGGAGGTTTTCTTCTTATTC |
| Diagnostic primers | | |
| 18079 | Chunk 16AB fw | GCCTCGACATACTGTTCATC |
| 18080 | pRPS3 rv | CTTACATCAGCGCAGCAC |
| 18081 | ARS106 fw | GGGTCTGTCCAGCGAATAAG |
| 18082 | pFBA1 rv | TAACGTGGGCGAAGAAGAAG |
| 18083 | *CoAtF3H* fw | CGTCGATACCAGCCAAAGAG |
| 18084 | tACO1 rv | GTTCGGCTGGAGAAGTCAAG |
| 18085 | pSkADH1 fw | GCGGGTATGGTGAGGTAAC |
| 18086 | coAtC4H rv | GCTAACGGTAACGACTTCAG |
| 18087 | tCIT1 fw | AGACCCTCCAGCCTAAATCC |
| 18088 | pSeTPI1 rv | AACTGGATGCCGAAACAGAG |
| 18089 | tLAT11 fw | CAAACGGTGCGTCAACATC |
| 18090 | coRcTAL1 rv | TCTAGCTTCGGCCCAAGAC |