**Supplementary file 2: List of Primers**

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| **Name** | **Primer sequences** |
| *DIP2* KO pFA6 FP | AGTTCTGTGTAAAAGCGTGTGGCATTGAGTTACTCCAATGCGGA TCCCCGGGTTAATTAA |
| *DIP2* KO pFA6 RP | TCCAATAGTCATGACAAATTTACTGTACTTGGATGTGTTAGAATT CGAGCTCGTTTAAAC |
| *DIP2* KO 5'UTR CHK FP | TATCTTCCCAATGTCAAAGC |
| pFA6a KO CHK RP | GAATTCGAGCTCGTTTAAAC |
| *ScDIP2-* D523A-FP | CCCATGTTAACGTTATTGGCTTTTGGTGGTATCTTTATATCTATAA GAGATCA |
| *ScDIP2*- D523A-RP | CTTATAGATATAAAGATACCACCAAAAGCCAATAACGTTAACATG GGAGAATA |
| *ScDIP2*- L687A-FP | CAAATACCTACTTTATGAGAACCAAGGCTATGGGGTTTGTTCATA ACGGAAAGAT |
| *ScDIP2*- L687A-RP | CCGTTATGAACAAACCCCATAGCCTTGGTTCTCATAAAGTAGGTA TTTGCAGGAC |
| *ScPKC1* C1a-C1b FP | ATGCTTAATTAAATGCATGGCCACCACTTTGTAC |
| *ScPKC1* C1a-C1b RP | AGTCCTCGAGCGACATGCCACAGAAATCGG |

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| *PAH1* 5'UTR CHK | FCCTAACACTGAGCGTTCTTG |
| *PAH1* KO pFA6 FP | FGGGAAGAAATTACTGAAGATAGACACATCGGTCGATTATGCGG ATCCCCGGGTTAATTAA |
| *PAH1* KO pFA6 RP | ATGGATCGTTATAAATAATATTCGGCTACAAGAATCTTTAGAATTC GAGCTCGTTTAAAC |
| *LRO1* 5'UTR CHK  | CACCTGCTTGTACAAACTCC |
| *LRO1* KO pFA6 FP | TTCTCTACCAACGAATTCGGCGACAATCGAGTAAAAAATGCGGATCCCCG GGTTAATTAA |
| *LRO1* KO pFA6 RP | ATAATACACGGATGGATAGTGAGTCAATGTCGGTCATTTAGAATTCGAGCT CGTTTAAAC |
| pETite C1 98EGB nFP | TTTAACTATAAGAAGGAGATATACATATGGTCCATCAGGTGAATG GG |
| pETite C1 98EGB nRP | TTGGAAGTACAGGTTTTCGCTAGCGTTGATGCCGCACGTG |
| pETite C1 deltaGB nFP | TTTAACTATAAGAAGGAGATATACATATGACCATGGGGGCCCAC |
| pETite C1 deltaGB nRP | TTGGAAGTACAGGTTTTCGCTAGCCCTTGCGCCGGCAC |