**Supplementary File 2. Primers used in this study.**

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| Name | Sequence |
| FRT\_Fw | AAGGACGCAGATGGCAACA |
| FRT\_Rv | TCCGATGAAGCCTCCGTTAT |
| PDC1\_Fw | GAAGGTATGAGATGGGCTGGTAA |
| PDC1\_Rv | CCTTGATACGAGCGTAACCATCA |
| 5FRT\_Fw | AGGCAATGGTGGCTCATGTT |
| 5FRT\_Rv | AAGTGCAAAGAATCACAAGAATGG |
| 3K\_Fw | CAGGGCCAAGGATGAAGAAG |
| 3K\_Rv | GTACCATAGGTGATACCTGCCTTT |
| 2.5K\_Fw | TGAACCTAATAGTGCCGAAGGA |
| 2.5K\_Rv | GGAGCCCAGAAATCCTGTGA |
| Leu Up 2000 | GTTCCACTTCCAGATGAGGC |
| Leu Lo 2000 | TTAGCAAATTGTGGCTTGA |
| ACT1\_Fw | TCCCAGGTATTGCCGAAAGA |
| ACT1\_RV | TCATGGAAGATGGAGCCAAAG |
| LYSFRTT\_Fw | CAACAATTAATGTGTTTGTTACCGGTGTCACAGGATTTCTGGGCTCCGAAGTTCCTATACTTTCTAGAGAATAGG |
| LYSFRTT\_Rv | CTTGGCCCTGACGTGGGCAAACACTTTGAAACTGTAGTTCTTTGGAGAACGAAGTTCCTATTCGGAAGTTCC |
| LYSFRTNT\_Fw | GAAAAACAACAATTAATGTGTTTGTTACCGGTGTCACAGGATTTCTGGGCTCCGAAGTTCCTATTCGGAAGTTCC |
| LYSFRTNT\_Rv | CTTGGCCCTGACGTGGGCAAACACTTTGAAACTGTAGTTCTTTGGAGAACAAGTTCCTATACTTTCTAGAGAATAGG |
| LYS2\_2953-72\_Fw | GATCTACATCCTTGCAGATTTGTTTTAGAGCTAG |
| LYS2\_2953-72\_Rv | CATGCTCTAAAACAACAAATCTGCAAGGATGTA |
| LYS2\_3700-3719\_Fw | GATCGCCAATTCATTTTCTTTGGGGTTTTAGAGCTAG |
| LYS2\_3700-3719\_Rv | CTAGCTCTAAAACCCCAAAGAAAATGAATTGGC |
| FLP\_BamHI\_Fw | ACGTGTCATAGGATCCGGTCGACATGCCACAATTTG |
| FLP\_Rv | CTAAAGGGAACAAAAGCTGGAGC |