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| **Primer** | **Sequence** |
| **AAT16\_BamHI\_For** | AAAGGATCCGCGAGCTTTCCG |
| **AAT16\_XhoI\_Rev** | AAACTCGAGTAACTTCGACATCACCTT |
| **AAT16S99G\_For** | GATTGTACAGGTGAAGGGGTGTTA |
| **AAT16S99G\_Rev** | TAACACCCCTTCACCTGTACAATCC |
| **AAT16L178F\_For** | GGTTAGTGCAGTTTCTTACCACC |
| **AATL16178F\_Rev** | GGTGGTAAGAAACTGCACTAACCC |
| **FATB1\_XhoI\_For** | AAACTCGAGTTTGTTTAACTTTAA |
| **FATB1\_NcoI\_Rev** | TTTCCATGGTTAGGTTTTACCGGTGC |
| **Gibson primers** |  |
| **HygR\_For** | GAGTAAACTTGGTCTGACAGTTATTCCTTTGCCCTCGGAC  |
| **HygR\_Rev** | GTGAGTTCAGGCTTTTTACCCATACTCTTCCTTTTCAATATT |
| **pBESTBackbone\_F** | AGTTCAGGCTTTTTACCCATACTCTTCCTTTTTCAATATTATTGAAG |
| **pBESTBackbone\_R** | GTCCGAGGGCAAAGGAATAACTG TCAGACCAAGTTTACT |
| **HygP15A\_For** | TGAGCGCAACGCAATTAATGACCGATGCCCTGGAGAG |
| **HygP15A\_Rev** | ATGCTTCAATAATATTGAAAAAGGAAGAGTATGGGTAAAAAGCTCT |
| **pET21\_Backbone\_F** | AGTTCAGGCTTTTTACCCAATACTCTTCCTTTTTCAATATTATTGA |
| **pET21\_Backbone\_R** | AGGCTCTCAAGGGCATCGGTCATTAATTGCGTTGCGCTC |
| **qRT-PCR primers** |  |
| **AAT16\_For** | AGCTTTCCGCCTTCGTTAGT |
| **AAT16\_Rev** | TCGACAGTTTGCGCTTGTAG |
| **Ter\_For** | GTCATGGGTGGAGAGGACTG |
| **Ter\_Rev** | TGCTTGGGTTCTCCTTGTTC |
| **rrsa\_For** | CTCAACCTGGGAACTGCATC |
| **rrsa\_Rev** | ACCTGAGCGTCAGTCTTCGT |