

Table- S1

List of primers:

HA- epitope tagging Fwd: 5'-TACTTCCAATCCAATTTAGCGCCTCGTCTTCCTTCG-3' Rev: 5'-TCCTCCACTTCCAATTTAGCCCCCTCGTTGTGCGCCCCGT-3'
TgOTUD3A-CRISPR KO primer Fwd: 5'-CAATGCCGCTCTGTGCGAACAAGCTTCGCCAGGCTGTA-3' Rev: 5'-GACTCTCCGCCCGCTCCCCGGAATTCATCCTGCAAGTGCA-3'
TgOTUD3A-CRISPR complementation primer CRISPR01 Fwd: 5'-GTTCAATTGTCGTTTTAGAGCTAGAAATAGCAAG-3' CRISPR01 Rev: 5'-TGAGGTGTGCAACTTGACATCCCCATTTAC -3' CRISPR02 Fwd: 5'-TCTTCTGAGAGTTTTAGAGCTAGAAATAGCAAG-3' CRISPR02 Rev: 5'-CTATGGTAACAACCTTGACATCCCCATTTAC -3'
DHFR Cassette with TgOTUD3A –CRISPR site flanking seq Fwd: 5'-CAATGCCGCTCTGTGCGAACAAGCTTCGCCAGGCTGTA-3' Rev: 5'-GACTCTCCGCCCGCTCCCCGGAATTCATCCTGCAAGTGCA-3'
TgOTUD3A-CRISPR (DHFR integration check primer) Fwd1: 5'- CACAGAGTGGACCGAAGGA-3' Rev1: 5'- TGCAACTGTCTCAGGCATTG-3' Rev2: 5'- ACGAATCCAGATGGAGATGG-3'
TgOTUD3A-CRISPR (KO gDNA sequencing primer) Seq Pr: 5'-CACAGAGTGGACCGAAGGA-3'
Competition Assay primer Wt-HA Fwd: 5'-GATACGAACTGGTATCTGCGATAC-3' Wt-HA Rev: 5'-CCTAGGGAATTCCCGTCCT-3' OTUD3A KO Fwd: 5'-CCGTCACCTCAGAATTCATCC-3' OTUD3A KO Rev: 5'-TTTCACACAGTCTCACCTCGC-3'
Real-time (TgOTU expression) analysis primer TgSAG1qrtFwd: 5'-ACACGGCAGGCATCAAAC-3' TgSAG1qrtRev: 5'-ACAACCTTGACAGGACCAAGAGTG-3' TgOTUD5qrtFwd: 5'-CACTGCTGAATGGGGAGG-3' TgOTUD5qrtRev: 5'-GGCACCACTGAGTTGTAGTGC-3' TgOTUD1BqrtFwd: 5'-AGGTTATCCCTTGGCAGAAGA-3' TgOTUD1BqrtRev: 5'-GGTATGATAACCTGGACTGCATG-3' TgOTU7qrtFwd: 5'-TTGCTATGAGCCATGCACTC-3' TgOTU7qrtRev: 5'-CTGGAAACCCCAAACAAGC-3' TgOTUD1CqrtFwd: 5'-GAAGACTTCTCTGGAGACGAATG-3' TgOTUD1CqrtRev: 5'-TCTGGGCAGTTGACTCAGAG-3' TgOTU8qrtFwd: 5'-GGCTTGGTTCTACACCGGT-3' TgOTU8qrtRev: 5'-TCGGAGAATGTATCTCCCAAG-3' TgOTUBqrtFwd: 5'-CGACTTCGCTGAAGAACTGT-3' TgOTUBqrtRev: 5'-TCCTCCACCGTTGCGTAC-3'