

S4 Table Primers and constructs used in the work

Strain	Gene ID	Construct	Primer-Forward
TbALDH3 RNAi	Tb927.6.3050	pRPaiSL TbALDH3	5'-GTACGGATCCTCTAGACCAGTGATGCAGGAGGAAAT-3'
TbALDH3-6Myc	Tb927.6.3050	pNAT-TbALDH3-6Myc	5'-GATCTCTAGAATGCCAGCAGGTGTTCCGGAG-3'
TbALDH3	Tb927.6.3050	pET27bTbALDH3	5'-GCGCCCATGGCACCAGCAGGTGTTCCGGAGAATACC-3'
TbALDH3C256S	Tb927.6.3050	pET27bTbALDH3	5'-TCAACGCAGGTCAAACATCTATAGCGCCTGATTACGTTG-3'