

Table S1. List of primers

Primer	Primer sequence	Function
HDK1575	GTCTGACATGCAGAGCCAACCAGAC	Forward primer for TbAQP2
HDK1576	GGATCCTTAGTGTGGAAGAAA	Reverse primer for TbAQP2
HDK1773	CAAAAGAAATACCACTTTTCGCTACAAGATCTATGCTCGGGTTTGACTCA	Forward primer for TbAT1
HDK1774	CATAATCCGGTACATCATAACGGATAGGATCCCTTGGGAAGCCCCTCATG	Reverse primer for TbAT1
HDK1775	CAAAAGAAATACCACTTTTCGCTACAAGATCTATGAGCAGCACAGACATG	Forward primer for TbMFST
HDK1776	CATAATCCGGTACATCATAACGGATAGGATCCAGTTCGTGATTTTCGCTTTGTC	Reverse primer for TbMFST
HDK1573 ^a	TTTCGCTACAagatctATGAAAGTTATATCGTAC	Mutagenesis of pHDK273 plasmid
HDK1574	GTGGTATTTCTTTTGGTAAATCG	Mutagenesis of pHDK273 plasmid
MBP119	CATCCTCAAACACTTACTCCG	Forward primer for pMB-DP-012 plasmid
MBP120	GCTTGTGCTGATACCTGGAG	Reverse primer for pMB-DP-012 plasmid

^a lower case bases indicate the site of the intended mutation