**Supplementary Table 1.** Oligonucleotides used in this study to generate mutant forms of *Tb*PIP39

|  |  |
| --- | --- |
| Oligonucleotid name | Sequence |
| Primer1  PIP39 D57A | 5'-acttgtgctggacatcgccgagacacttattcaca-3' |
| Primer2  PIP39 D57A antisense | 5'-tgtgaataagtgtctcggcgatgtccagcacaagt-3' |
| Primer3  PIP39 t63A v64A | 5’- acgagacacttattcacgcagcgggcatgcgcaacg -3' |
| Primer4  PIP39 t63A v64A antisense | 5’- cgttgcgcatgcccgctgcgtgaataagtgtctcgt -3' |
| Primer5  PIP39synthBamHI Fwd pGEX | 5’-cgttgcgcatgcccgctgcgtgaataagtgtctcgt -3' |
| Primer6  PIP39synthXhoI Rev pGEX | 5’-atactcgagctaaagacgacttggtgtgtgac -3' |