**Supporting Information**

## Table S1. Primers used to site-directed mutagenesis of BTL.

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| **Mutant** (1) | **Plasmid template** | **Primers** (2) |
| C65S/C296S/*A193C* | pT1BTL2mutCys (3) | Ala/cys 193-5 5´-GAAAGCGtgcGCTGTCGCCAGAla/cys 193-5 5´- CTGGCGACAGCgcaCGCTTTC |
| C65S C296S *L230C* | pT1BTL2mutCys  | Leu/Cys 230-5 5´-CATTATTTTGAACGGtgcAAACGLeu/Cys 230-3 5´-CGTTTgcaCCGTTCAAAATAATG |

(1) The mutant name shows the amino acid changes and its position in BTL.

(2) The nucleotide changes used to introduce the mutation are indicated in lower case

(3) Plasmid with BTL mutant lacking both of the two native Cys residues (Cys65 and Cys 296).