**Supplementary Material**

**Table S1**. Coding nucleotide 5’→3’ sequences of the primers used to construct the different mutants studied in this work, with nucleotide changes or insertions underlined. These and the corresponding complementary ones were used to obtain each mutation.

|  |  |
| --- | --- |
| HtA mutant | Nucleotide sequence |
| K115E | 5’- ATGACGCACAGCGAGGTCGACAAGAAT -3’ |
| K118E | 5’- ACAGCAAGGTCGACGAGAATAACCAGG-3’ |
| K123E | 5’- AATAACCAGGGCGAGGAGTTCTTTGAG -3’ |
| Δ(8-15) | 5’-GTCACCTGCCGGGGTGGTCCTTTCAAGGTAGACGTG -3’ |