

S1 Table. Oligonucleotide sequences used for UbNic WT cloning and those used for site-directed mutagenesis.

Variant	Primer sequence
UbNic _{WT}	5' - TTGGGGCGCTAGCATGGGCGCAAGCGAGGCGGG - 3' 3' - ATCCCGCCTCGAGTCACCGGGGCGCCGCCTCGGC - 5'
H75E	5' - ACCCGGAGCAGACGCGAGA <u>GA</u> ATTCCAGGCCTACGGAGG - 3' 3' - TGGGCCTCGTCTGCGCT <u>CTT</u> AAGGACCGGATGCCTCC - 5'
H75S	5' - ACCCGGAGCAGACGCGA <u>AGT</u> TTCCAGGCCTACGGAGG - 3' 3' - TGGGCCTCGTCTGCGCT <u>TCA</u> AAGGTCCGGATGCCTCC - 5'
W83F	5' - CAGGCCTACGGAGGCCTG <u>TTT</u> CCTCCTCACTGCGTGCAA - 3' 3' - GTCCGGATGCCTCCGGAC <u>AA</u> AGGAGGAGTGACGCACGTT - 5'
A151C	5' - GTACGTCGGCGGGGTG <u>TGC</u> ACTGATTACTGCGTGC - 3' 3' - CATGCAGCCGCCCCAC <u>ACG</u> TGACTAATGACGCACG - 5'