

Supplementary Table 2. Synthetic oligonucleotides used for site-specific mutagenesis.

Positions of nucleotide substitutions have been underlined.

Mutants	Primer sequence 5' - 3'
R39E-F	GAACGTCTCTACAAAGA <u>ATT</u> CGACACCTTCG
R39E-R	CGAAGGTGTCGAAT <u>TCT</u> TTTGTAGAGACGTTTC
R39K-F	GAACGTCTCTACAAAAA <u>ATT</u> CGACACCTTC
R39K-R	GAAGGTGTCGAAT <u>TTTTT</u> GTAGAGACGTTTC
R39M-F	CGTCTCTACAAAAT <u>GTT</u> CGACACCTTCG
R39M-R	CGAAGGTGTCGAACAT <u>TTT</u> GTAGAGACG