

Supplementary table S1

Table 1S: Primers used to generate R548K, R548Q, R548A, Q552N and Q552A mutants

name of primer	DNA sequence <sup>a</sup>
R548K-F	5'-cgacaccacgatg <b>agg</b> acggcaccagt-3'
R548K-R	5'-actggtggccgtc <b>ctt</b> catcgtggtgtcg-3'
R548Q-F	5'-gacaccacgatg <b>caag</b> acggcaccagt-3'
R548Q-R	5'-actggtggccgtc <b>ctt</b> catcgtggtgtc-3'
R548A-F	5'-cgacaccacgatg <b>gcc</b> gacggcaccagt-3'
R548A-R	5'-actggtggccgtc <b>ggc</b> catcgtggtgtcg-3'
Q552N-F	5'-gcgcgacggccaca <b>aact</b> cgtgctcgca-3'
Q552N-R	5'-ttgcgagcagc <b>gagt</b> tgggccgtcggc-3'
Q552A-F	5'-gcgcgacggccac <b>gcg</b> tcctgctcgca-3'
Q552A-R	5'-tgcgagcagc <b>gacgc</b> tgggccgtcggc-3'

<sup>a</sup>Bold indicates the mutated nucleotides.