

Table S1. Oligonucleotides used in this work

Name	Sequence (5'→3')
p414-Cas9-48-XhoI-F	AAGCGTCAAGGAACTGCTGGG
p414-Cas9-55-EcoRI-F	CCGAAGATAATGAGCAGAAGCA
E1341H+A1345L-F	GAAAGCGGTACACCTCTACAAAACACGTCCTGGACCTCACACTGATTC
E1341H+A1345L-R	ATTGACTGATGAATCAGTGTGAGGTCCAGGACGTGTTTTGTAGAGGTGTACC
E1341D-F	GAAAGCGGTACACCTCTACAAAAGATGTCCTG
E1341D-R	GTGGCGTCCAGGACATCTTTTGTAGAGGTGTACC
E1341H-F	GAAAGCGGTACACCTCTACAAAACACGTCCTG
E1341H-R	GTGGCGTCCAGGACGTGTTTTGTAGAGGTGTACC
A1345L-F	CTCTACAAAAGAGGTCCTGGATCTCACACTGATTC
A1345L-R	ATTGACTGATGAATCAGTGTGAGATCCAGG
A1345P-F	CTCTACAAAAGAGGTCCTGGATCCCACACTGATTC
A1345P-R	ATTGACTGATGAATCAGTGTGGGATCCAGG