

Table S1: Oligonucleotides used for the site-directed mutagenesis

Primers	Nucleotide sequences (5'→3')	NukT derivatives constructed using the primers
nukTQ6A-F	TGTCTATTAGCGTGTTATTCAATGATT	Q6A
nukTQ6A-R	GTCTTGGTCACTATTTGCTAATG	Q6A
nukTC12A-F	GCACTATTAGCGTGTTATTCAATG	C12A
nukTC12A-R	GTCTTGGTCACTATTTGTAATGC	C12A
nukTH90A-F	G TTCATTGGGATT TAAATGCATTTGTC	H90A
nukTH90A-R	AATTATTGGTTTCTTTATTTTACTTATTACTCGG	H90A
nukTN106D-F	GGAAAAGTAAAAATTTCAAAGAGATGTTT	N106D
nukTN106D-R	TATCTCTGGGTCGACTATTTCTATAT	N106D
nukTK503R-F	TTAAATGTTCTGTTAGGTCTCTATAC	K503R
nukTK503R-R	CATAGTACTTCTACCTGATCC	K503R
nukTD615N-F	AGTTTGGACAATTACAATCGTATAAATATA	D615N
nukTD615N-R	GCTAAAAGCTTCATTCCAAAAAATTAATTT	D615N
nukTH649R-F	TACTCATAAGTAGACATCTAGATGTTTTAT	H649R
nukTH649R-R	CTATAGTTTTATCGCTATATTGACTATTTT	H649R