

Table S1: Oligonucleotides used for site-directed mutagenesis.

#	Construct	Orientation	Oligonucleotide sequence (5'→3')
1	FNWW	forward	agtgccctccagttcaatatcttcaacgcctg
		reverse	caggcgttgaagatattgaaactggagggcact
2	HGWW	forward	gcagtgccctccagtcacgggatcttcaacgcctg
		reverse	caggcgttgaagatcccgtgactggagggcactgc
3	FGWY	forward	gtacatgatcgagtggataccaagtctggcgaactg
		reverse	cagtcgccagacttggataccactgatcatgtac
4	HGWY		construct FGWY with oligonucleotides of #2
5	FNWY		construct FGWY with oligonucleotides of #1
6	HNWY		construct FGWY with
		forward	ggagcagtgccctccagtcacaatatcttcaacgcctgcc
		reverse	ggcaggcgttgaagatattgtgactggagggcactgctcc