

**Online Resource 1.** Sequences of primers used for site directed mutagenesis and PCR reactions.

Primer name	Primer sequence (5'-3')
EcoPrPF	CCGGAATTCATGGCGAACCTTGGCTACTGGCTG
BamPrPR	CGCGGATCCTCATCCCACGATCAGGAAGATGAG
3F4-WT-F	CAGCAAACCAAAAACCAACCTCAAGCATGTGGCAGGGGCTGCGG
3F4-WT-R	CCGCAGCCCCTGCCACATGCTTGAGGTTGGTTTTTGGTTTGCTG
MycPrPF2	CAAAAGCTTATATCCGAAGAAGACCTTGACGGGAGAAGATCCAGCAGC
MycPrPR2	CTTCGGATATAAGCTTTTGTTCGGATCTTCTCCCGTCGTAATAG
D177NF	AACAACCTTCGTGCACAACCTGCGTCAATATCACC
D177NR	GGTGATATTGACGCAGTTGTGCACGAAGTTGTT
E199KF	CACCAAGACCGATGTGAAGATG
E199KR	CATCTTCACATCGGTCTTGGTG
V209IF	GAGCGCGTGATTGAGCAGATGTGC
V209IR	GCACATCTGCTCAATCACGCGCTC