

Primer	Sequence	Use
SmM28B_GTWf	GAGAACCTGTACTTCCAGTCTAACATGTGGCAAGAAAT ATCACAAAATTTG	Forward primer; SmGCPII into pD221
SmM28B_GTWr	GGGGACCACTTTGTACAAGAAAGCTGGGTATTATAAT GCTAATGAAAAATCAGTTAAAC	Reverse primer; SmGCPII into pD221
FhM28B_GTWf	GAGAACCTGTACTTCCAGTCTAACATGATGTCAACTGAC TG TTCAGATTGG	Forward primer; FhGCPII into pD221
FhM28B_GTWr	GGGGACCACTTTGTACAAGAAAGCTGGGTATTATATC ACACAAAACCCGTCAAC	Reverse primer; FhGCPII into pD221
SmM28B_E407M_F	GGATCCTGGGACGGTatGGAATTCTCTGTTTTG	mutagenesis
SmM28B_E407M_R	CAAAACAGAGAATTCCatACCGTCCCAGGATCC	mutagenesis
FhM28B_E413M_F	CCAGTTGGGATGGTatGGAGTTGTCATTGC	mutagenesis
FhM28B_E413M_R	GCAATGACAAC TCCatACCATCCCAACTGG	mutagenesis