

S1 Table. Primers used to generate mutations in MinE

Primer name	Sequence (5'-3')
MinE_L3E_fwd	GGATCCGAATTCGCAGAACTCGATTTCTTTCT
MinE_L3E_rev	AGAAAGAAATCGAGTTCTGCGAATTCGGATCC
MinE_L4E_fwd	TCCGAATTCGCATTAGAAGATTTCTTTCTCTCG
MinE_L4E_rev	CGAGAGAAAGAAATCTTCTAATGCGAATTCGGA
MinE_F6E_fwd	TTCGCATTACTCGATGAATTTCTCTCGCGGAAG
MinE_F6E_rev	CTTCCGCGAGAGAAATTCATCGAGTAATGCGAA
MinE_F7E_fwd	GCATTACTCGATTTCGAACTCTCGCGGAAGAAA
MinE_F7E_rev	TTTCTTCCGCGAGAGTTGAAATCGAGTAATGC
MinE_Δ(2-12)_fwd_1	CGCGGATCCGAATTCAACACAGCCAACATTGCAAAAAGAA
MinE_Δ(2-12)_rev_1	AATGTTGGCTGTGTTGAATTCGGATCCGCGACCCATTG
MinE_Δ(2-12)_fwd_2	CCGCCTTTGAGTGAGCTGATACCGCTCGCCGCAGCCGAA
MinE_Δ(2-12)_rev_2	CTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAG
MinE_I24N_fwd	AAGAACGGCTGCAGAACATTGTTGCTGAACGC
MinE_I24N_rev	GCGTTCAGCAACAATGTTCTGCAGCCGTTCTT