

Fragment 45619-45835:

#7
 CTACACGAACAGAGCCGGAATACTGGCTAGGGCTGCAAAGTGCCGTGGATCTATGGGACG
 GATGTGCTTGTCTCGGCCTTATGACCGATCCCGACGTTTCACGGCACCTAGATAACCCTGC
 a t r t e p e y w l g l q s a v d l w d
 - v f l a p i s a l a a f h r p d i p r

#18
 CAGAGAATGACGAGGCGTTGCGTAGTCGTCTAGGACAGGTGAGGCCGTTAGCGGCATAGA
 GTCTCTTACTGCTCCGCAACGCATCAGCAGATCCTGTCCACTCCGGCAATCGCCGTAATCT
 a e n d e a l r s r l g q v r p l a a -
 l s h r p t a y d d l v p s a t l p m

#8 -35 *repBp* -10 *repBp* RepX
 AAGGGAAAACCCCGGAAACCAACTTGGCGGGCGGTTTACCGGGGTCTAAATTGGTGGCA
 TTCCCTTTTGGGGCCTTGGTTGAACCGCCCGCCAAATGGCCCCAGATTTAAACCACCGT
 —#2

CTTTCGGTGAGCTTGGCGGCAACCGAGGTGCCGGAGC
 GAAAGCCACTCGAACCGCCGTTGGCTCCACGGCCTCG

Figure S2. DNA sequence of the 3' end of the *repA* gene, *repX* ORF and *repBp*

The top strand encodes the C-terminus of RepA (in red), the bottom strand encodes 38 amino acids polypeptide RepX (in green). The rbs site of *repX*mRNA is underlined. Arms of the palindromic sequence are shadowed in blue, T-rich sequences on both sides of the palindrome are underlined also in blue. Putative *repBp* motifs are in bold. Primers used for cloning of various derivatives are shown.