

1	REP fragments	DR	Left End	orf A	130
IS8-1	TGA AAAAC TTCCG CAC GCAGTTGAG GT T TCGTTCTCTACGCTC CAG		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
IS8-2	CACGATAGTTT ACGCTTTAG CTCAGACACCTG -TCGTTCC TCACGCT CTG		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
IS8-3	TCTTCGCGAACAGTTCGCTCCCACAGGG CCATGTGTGCCCGT AAA		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
IS8-4	CGCTCAGCGT CAT ACGCAAC TCTGAAAGAG - CCCGAAAAGCTTGG TTT		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
IS8-5	CGCGTCCTCT TCGCGAC - TCAGAGCGTCGAGAGCTGCATTCCACG CGG		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
Consensus	cgGaaaccTaCgacacaaCtcagaaggggcGgTgcaTcaCgctcag		TGGACTGCCCCCAAGAAGTTGGACACCAATCCGACCTAATGGGGGTGTTCAA ATGGCCAAGTATT CAGAGCAATTCAAGCT		
	131	orf A			260
IS8-1	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
IS8-2	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
IS8-3	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
IS8-4	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
IS8-5	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
Consensus	CACCGTCGTCAAAGCCTATCTTGCAGGCAACATAGGCTTT CGCAAGGTGTCCAGCCAGTTCTCGATCGATTCCAGCCTGCTTCGACGCTGGGTCGCCAATTACAAGAGCCATGGGCACACAGGCCATCGT				
	261	orf A			390
IS8-1	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
IS8-2	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
IS8-3	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
IS8-4	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
IS8-5	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
Consensus	AAGCCTGGTCTTCGGTACAGCGAAGCCTTCAAACGCTCAGTGCTGGAGCACAAGCGCGAGCACGGGCTGTCCCTTCGCCAGACCGCAGCGCATTTTGGTATTGGTGATCCTGGCCAAATAGTCATTTGGG				
	391	orf A			520
IS8-1	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
IS8-2	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
IS8-3	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
IS8-4	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
IS8-5	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
Consensus	AACAGCAGCATTACAGTAACGATCTAGCCCCCTACGTTCCCAAGAGAAGAAAGTCTGTTGCCATGCCCAAGAAGCCTTATCCACCGCACCAGTAATCGACGACGATACGCAGAAGACGCGTGACCAGTT				
	521	orf A			650
IS8-1	AATGGCCGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
IS8-2	AATGGCCGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
IS8-3	AATGGCCGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
IS8-4	AATGGCAGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
IS8-5	AATGGCCGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
Consensus	AATGGCCGAGCTCGAATACCTGCGCATGGAGAACGCTTACCTAAAAAAGTTGGAAGAGTTGAAGGAGCAGCAACGACGGCAAAAGAAAAAGCCCTGATCGTCAAACAAC				
	651	Intergenic region			780
IS8-1	GCGCCTTCTGACGCTGGCGGGG TTGGCGCGCAGTACGTTCTACTATCAGGTT CAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTATCAGGAGAGAGG GTCT		orf B		

IS8-2	GCGCCCTTCTGACGCTGGCGGGCTTGGCGCGCAGTACGTTCTACTATCAGGTTTCAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTTATCACGAGGAGAGAGGTCT
IS8-3	GCGCCCTTCTGACGCTGGCGGGCTTGGCGCGCAGTACGTTCTACTATCAGGTTTCAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTTATCACGAGGAGAGAGGTCT
IS8-4	GCGCCCTTCTGACGCTGGCGGGCTTGGCGCGCAGTACGTTCTACTATCAGGTTTCAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTTATCACGAGGAGAGAGGTCT
IS8-5	GCGCCCTTCTGACGCTGGCGGGCTTGGCGCGCAGTACGTTCTACTATCAGGTTTCAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTTATCACGAGGAGAGAGGTCT
Consensus	GCGCCCTTCTGACGCTGGCGGGCTTGGCGCGCAGTACGTTCTACTATCAGGTTTCAGGTGCAATCCAGACCCGATCCAGATGCTGCTCTAAAGCAGGAGGTAGAGCGGATTTATCACGAGGAGAGAGGTCT

	781	orf B	910
IS8-1	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		
IS8-2	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		
IS8-3	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		
IS8-4	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		
IS8-5	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		
Consensus	TTATGGGGCTCGGCGCATCACAGCGGTTATCCGCAACTCAGGCACGCTGGTCAACAAGAAGGTTGTGGAGAGATTGATGGCTGAACTGGGTCTGCGCTCCGTTGTTTCGACCAAAAAAATACCGTTCCTAT		

	911	orf B	1040
IS8-1	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		
IS8-2	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		
IS8-3	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		
IS8-4	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		
IS8-5	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		
Consensus	AAGGGCACCGTCGGAAAAATTGCACCGAATTTGCTGGAGCGCAATTTACGGCGCAACGCCCGAACCAGAAATGGGTGACCGATGTGACCGAGTTTAAAGTGGCCAATCGAAAGCTGTATCTCTCGCCTG		

	1041	orf B	1170
IS8-1	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		
IS8-2	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		
IS8-3	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		
IS8-4	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		
IS8-5	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		
Consensus	TGATGGACCTGTACAACGGTGAGATCGTGGCGTACGAATTGTCTACCAGGCCGTGCTTTGAGCTGGTCACCAAGTATGCTGGACAAGGCGTTGCAGCAGTTGCAAGACGAGCCGAAGCTTGTGATGCACTC		

	1171	orf B	1300
IS8-1	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGCAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		
IS8-2	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGCAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		
IS8-3	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGCAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		
IS8-4	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGTAAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		
IS8-5	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGCAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		
Consensus	GGATCAAGGCTGGCAGTATCAACACGCGCAGTACCGTCAGAAACTGGCGGCAAGGGTGTGAAGCAAAGCATGTCTCGTAAGGGAATTGCCCTGGACAACGCTGCGATGGAAAGCTTTTTTGGTACGCTT		

	1301	orf B	1430
IS8-1	AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAT		
IS8-2	AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAT		
IS8-3	AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAT		
IS8-4	AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAT		
IS8-5	AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAT		

Consensus AAGTCCGAGTTTTTCTACTTGAAACGATTTGAAAGCATAGAAGAGCTGACGGCAGGTCTGGAGGAGTACATCCGCTACTACAACCATGACCGCATTAAAGCTGAAGCTAGGCGGCCTGAGCCCCGTAAAAAT

	1431	orf B	Right End	DR	REP fragments	1555
IS8-1	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	CAGCGTAGGAATGCCGTGGGTGACGCTCTGCGTCA	CAAATCTGCGT	CGCGCCGATACTCAAGACCGGACGC
IS8-2	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	CTGCGTGGGAATGCCTTGCGTGACGCTCCGCGTCA	CAGGTTT	GCGCAGCGTCGCCCGATAGTGCAAGGCGAT
IS8-3	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	AAATGTGGGAGTGACCGGGGCGGCATCCGCATTG	CTCACGAAGAGGCC	CGCTGCAGCCGCTTGATGTATCAG
IS8-4	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	TTTGTGGGAGTGGACTTGTCCGCGAT--GGGTTGCC	AAGCGGCC	TAAACAGACGACTTTGGTTGCGCCT
IS8-5	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	CGG	GGGGCGTA-GGGAACC	ATAGCCCTGACTATCGTGCTGAAATTCTGTGTCGATATGCTGATCTCAACTAT
Consensus	ACAGGACTCAGGCGGCAAGCTAA	AACTGTCCA	ACTTCCGGGGGGCAGTCCA	cagcGTGGGAaTGccctgGgtggCGcTccGcgTcgCaaagcagcgCtgcGcCGcaccgtGatcgaccat.		