

261		REP frag.	DR	Left End	390
1-32440-34	CACCTTCTCCCGCAGGCGGGGCGAAGGAGACTCGCGGCAAGCGCCAGGGCAAT	CCCCCTCTCC	CCGCTCGCG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
5-2292773-	CGCTAACATTGGCATTGGACTAGCGGTACCCGCCCCCTCATCCGCTGCCGGCA	CTTTCTCCCG	CAGGCGGG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
4'-764961-	TCCGATAGGATTAAAGGAAACATGCAGTAGATTGCCCTCATCCGCCTGCCGG	ACCTTCTCC	CCGCAAGCG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
3-169636-1	CCGCCTCTTGCCGGCTGTGCTGGCCCCCTCTCCTCGGGTTTAAACCGAGGACTAG	CCCTCTCCCG	CAGGCGGG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
7-2583816-	TCATGCGGCCATGCTCCTCAGCGTCTGCCCCCTCACCTTTTGCCCTCACCCCTA	ACCTTCTCC	CCGCACGCG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
8-2860199-	CAACTGAACTCTGCATTACCCGCCCGTTTCGAGGGAGCGAGCGGGCGCGGCATAT	CCCTTCTCC	CGCTTTCGG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
9'-1557191	ATACGCTTGC	CGCGCGGATT	TGCCCCCTCACCCCTA	CCCCCTCTCC	CGCCTTCGG
2'-158601-	AGACCGGAAATTCGCCCTGCCCCCTCACCCCTA	ACCTTCTCC	CGCTTCGG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
6'-2567032	GTCCGGGCGGCAAGGGGCGGCCGCTCATCCGCCTGCCTGC	ACCTTCTCC	CGCAAGCG	CAGGGCTGTCCGGGGAAAGTTC	CGGGTGAATCGAAATGTTCG
Consensus	g.c...c.....Cccc...cc... .CC.tctCCgcg..gc				
391	Left End	orf			520
1-32440-34	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
5-2292773-	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
4'-764961-	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
3-169636-1	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
7-2583816-	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
8-2860199-	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
9'-1557191	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
2'-158601-	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
6'-2567032	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
Consensus	AGACGGCGTTTTTCCGTCTATTTTCTGGTTGTCGAGACTCAGAAAAGGAGACGGAGCA	TGCGGTTACCCCTAGCATTTT	CGCCAGCTGCTGAAAGCGATTGAT	CGCCGACGCTTTCAGGCGATTGTGG	
521	orf				650
1-32440-34	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
5-2292773-	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
4'-764961-	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
3-169636-1	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
7-2583816-	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
8-2860199-	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
9'-1557191	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
2'-158601-	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
6'-2567032	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				
Consensus	ATCGTCATGCCGGGGATGCCTACGACAAGTGCTTTACCAGCTGGGATCATCTGGTGGCACTGATCTATGCCAGTTGAGCGCCACGACCAGCCTGCGCGGGTTGGAGGCGAGCTTCAACGCCAACAGTCA				

	651	orf	780
1-32440-34	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
5-2292773-	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
4'-764961-	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
3-169636-1	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
7-2583816-	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
8-2860199-	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
9'-1557191	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
2'-158601-	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
6'-2567032	GCATCATTACCATCTCGGCAGTGGC-----TCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
Consensus	GCATCATTACCATCTCGGCAGTGGCCGGCTGATGCGCTCGACGCTGTCGGACGCCAACCGCCGCCGCCGGTCGCCGTCTTCGCCGAGACCTTCGCGCTTCTGGCCGGTCAGCTCGACCGGCAGACGCGC		
	781	orf	910
1-32440-34	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
5-2292773-	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
4'-764961-	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
3-169636-1	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
7-2583816-	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
8-2860199-	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
9'-1557191	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATCCCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATTCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
2'-158601-	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
6'-2567032	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
Consensus	CGGGAGGGCACCAAGATGCTGCGGCTGATCGATTGACCCCGATACCGCTGGGTAAGCTGTACGATTGGGCCAAGTCGAACGGCCGCATCCGCGGCATGAAGCTGCATGTCGTCTATGATCCCAAGGCCG		
	911	orf	1040
1-32440-34	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
5-2292773-	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
4'-764961-	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
3-169636-1	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
7-2583816-	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
8-2860199-	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
9'-1557191	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
2'-158601-	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
6'-2567032	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		
Consensus	ATTGTCCAGGCATCCTCGACATCACCGACGCCAACGTCAACGACGCCCAGATCGGCCGCACGATCACCATCGAAAAGGGCGCAACCTATGTCTTCGACAAGGGCTACTGCCATTACGGCTGGTGGACGGC		

	1041	orf	1170
1-32440-34	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
5-2292773-	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
4'-764961-	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
3-169636-1	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
7-2583816-	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
8-2860199-	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
9'-1557191	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGATCGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
2'-158601-	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
6'-2567032	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		
Consensus	GATCGCCGAAGCCGGCGCCAGTTTCGTCAACCGGCCGAAGACCAACATGGGACTGGCTTTGGTCGCTGAACGCCCGTTGAGCAACCTCAAGGCGATGGCTTCCTGGTCTCGAAGACAGCCAGGTCAGC		

	1071	orf	1300
1-32440-34	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
5-2292773-	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
4'-764961-	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
3-169636-1	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
7-2583816-	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
8-2860199-	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
9'-1557191	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGACAGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
2'-158601-	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
6'-2567032	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		
Consensus	CTCGCCAGCAAGGGCGATTCCAAGCTGCCGATCGGCTTGCGCCGGGTAATCGTCAAGCGCCAGGACGGCGATACGATCACGCTTCTGACCAACGACCTCGAGCGCTCCGCCGTCGAGATCGGCCAGTCTCT		

	1301	orf	1430
1-32440-34	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
5-2292773-	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
4'-764961-	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
3-169636-1	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
7-2583816-	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
8-2860199-	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
9'-1557191	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATTTTCGCGCGATGATCGCCTATGCACT		
2'-158601-	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
6'-2567032	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		
Consensus	ATAAGGATCGTGGCAGATCGAGCTTCTGTTCCGCTGGATCAAACAGCACCTCAAGATCCGCAAGTTCCCTCGGCAACAACGACAACGCCATCCGCCTGCAGATCTTCGCGCGATGATCGCCTATGCACT		

	1431	orf			1560
1-32440-34	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
5-2292773-	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
4'-764961-	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
3-169636-1	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
7-2583816-	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
8-2860199-	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
9'-1557191	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
2'-158601-	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
6'-2567032	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
Consensus	GTTGCGCATCGCCGCCCGCCTCGCCCGCGTCCCTCTACCGATCCTGCGCTTCACCGACCTCGTCACCCAGTGCCGTGTTCCAGCGCAAAAGCATCGCCGAAATCCACAAGCCGCCGCAGGTCAATCCAAGC				
	1561	orf	Right End	DR	REP frag.
1-32440-34	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCTCGCGGGGAGAGGC				
5-2292773-	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCTCGCGGGGCGAAGC				
4'-764961-	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCAAGCGGGGCGAAGC				
3-169636-1	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCTTGCAGGGGAGAGGC				
7-2583816-	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGAGGCAGGGGAGAGGC				
8-2860199-	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCTTGCAGGGGAGAAGC				
9'-1557191	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATACATGAATTTTCCCGGACAGCCCTGCCGCTGCGGGGAGAGGC				
2'-158601-	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCAAGCGGGGAGAGGC				
6'-2567032	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGAGGCAGGGGAGAGGC				
Consensus	CGACCAAAACCCCGGACCATCCCAAACCAATGGTCTTCCGCTATGCATGAATTTTCCCGGACAGCCCTGCCGCAAGCGGGGAGAGGC				

.ac..g...c.....c...tc.....c..