

1	REP fragment	DR	Left End	130
1-610781-6	AAAGGGCCGGCCTGCTGGCCATTCTCACCAGTCGTTACCGTTGCCGCCG	CTACCGTATTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
6-5756681-	AAGAGGCCGGCCTGCTGGCCAATCTCCACCTGCCGTTACGCGTTGCCGCCA	CCACCGTATTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
2-1846955-	GCAGAAATGGCAAACGCGGTTGCGCTTGTGGATGAGGTTGCCGTTGCATGTG	CCGCGCTCTTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
5-5218778-	GCCTTGTTCGCCGTGGGGTATGTGTTGAGCTGACGGTGGGTGGTTGCCTGTT	CTGGCCTCTTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
4-3971673-	AATACGGTAGCCGCGACAATGGTGAACGCGCAGGTGGACATTGGCTAGTAGGC	CCGGCTCTTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
7'-6039251	ATGAAAAAGGCGACCTTCTTCAGAGGGTCGCCTTTTTTGTGCCGCTGAT	CTGGCCTCTTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
3-2435133-	GTAGGCGCGGATTATCTGCGAACACTGGCAGAGCCGGTGCCAAACTCCGCG	GTGCCTGCTTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT
Consensus	gg...g.....c.....g.....g.tgcc.g..	c.g.C...TTCGCGGGTAAACCGCT	TGTATGGTAGGACTTGAAGGGAGGAGGAGGGCCATAA	CTCGCTTCTGACTGT

131	Left End	260
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1-610781-6	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
6-5756681-	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
2-1846955-	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
5-5218778-	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
4-3971673-	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
7'-6039251	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
3-2435133-	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA
Consensus	TCGCGCAGTACAGACCGTAGGAGAAAATCACCCCTCCTCCTTTCAACACCCAAGCGCCGATAAGGAATGCCTCGCGAGCAAGCGACAATAGAAGCAAGCCTGCGCCAGGGTGTGCCCTTCAAGTCACACTA

261	Left End	orf	390
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1-610781-6	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
6-5756681-	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
2-1846955-	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
5-5218778-	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
4-3971673-	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
7'-6039251	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
3-2435133-	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA
Consensus	CGCTACAAGGAGCAGCTATTCTATGGCAATGTCCGCAATCCCAATCGAAGCTGGCGTGGACACCTCCAAAGATGAACTGGTGATTCAAGCCGCTCCGAATACCAAATCCTTCGCCATCCCTAACACTCCGA

392	orf	520
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1-610781-6	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCACTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG
6-5756681-	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCACTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG
2-1846955-	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCACTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG
5-5218778-	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCACTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG
4-3971673-	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCACTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG

7'-6039251	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCAGTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG	
3-2435133-	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCAGTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG	
Consensus	AAGCAATCAAAGCCTGGCTCAAGACGCTGCCCAAAGGCTCAGCGCTGGCCATCGAAGCGACCAGTACCTATCACATGGAATGGCGGAGCAAGCCCATGCTGCGGGCTTCGCGGTATACGTTATCGATGG	
521 orf 650		
1-610781-6	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
6-5756681-	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
2-1846955-	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
5-5218778-	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
4-3971673-	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
7'-6039251	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
3-2435133-	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
Consensus	GCTGAGGCTGAGTAAGTACCGGAAAAGTGTGTCTATACGGGCAAAAACAGATGCCCATGATGCCGCTTTGCTCGCCCGCTTCCTGAGCAACGAGCGGGGCTCTTTGAAGGCTTGGACTCCGCCACCAGCC	
651 orf 780		
1-610781-6	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
6-5756681-	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
2-1846955-	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
5-5218778-	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
4-3971673-	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
7'-6039251	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
3-2435133-	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
Consensus	GGGCATCGTGAGATCCAGGTGCTGCTGCGCCGCCGCGCCAAACTTGTAGCAGTGCGCGGCATGCTGCGGATGAGCTTGTGCGGCGACAAATTGTTTGCCTCAGAACTCAAACGTGTTGAGGAAGTGCTCG	
781 orf 910		
1-610781-6	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
6-5756681-	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
2-1846955-	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
5-5218778-	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
4-3971673-	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
7'-6039251	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
3-2435133-	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
Consensus	AACGCATAGAGCTTTCGCTGGAAAAACAGCTGCGTGCGGTGATCAAGAAGGCGGGGCTTCCGATCAGATGCGCCGTGTTTACAGAGGCTTCCGGGTGTTGGTTTCTTAACGGCTGCCGGCCTGGTGATGTC	
911 orf 1040		
1-610781-6	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
6-5756681-	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
2-1846955-	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
5-5218778-	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
4-3971673-	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
7'-6039251	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
3-2435133-	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	
Consensus	CTTCATGCGCGGCGAGTTCAAGAACAGCGACGCCCTTTGTGCTTATCTAGGCATGGATGTAACGGTTTCCCAATCCGGTAAATGGGCAGGCAGAGGGAAGTTGAGCAAGCGCGGAGACTCGGAGGTC	

	1041	orf	1170
1-610781-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
6-5756681-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
2-1846955-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
5-5218778-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
4-3971673-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
7'-6039251-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
3-2435133-6	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
Consensus	AGACTCCTGTACAACGCCTCGATGAGCGGCAGTCGAACCGCGACCTGGAAGCAGTATTACGCCCATCACCAAGCCCGGGGAAGAAAACCACTCAAGCCTTGGTGATCCTTGCACGTCGCTTGGCTCGGC		
	1171	orf	Right End 1300
1-610781-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
6-5756681-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
2-1846955-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
5-5218778-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
4-3971673-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
7'-6039251-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
3-2435133-6	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
Consensus	TGGCCTTCGGCCTGATGAGGCATCAGGCCGACTGGAAGCCCGAGATATATACCGGAGGTGCCAAGCCGCGCCAGCTGAGGCTGGGGCTGCAACGCAGCCCGCCCAAACTGACGGGCAGTATCCAATGCTGG		
	1301	Right End	DR REP frag. 1430
1-610781-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACAGTCGGCACAGTCGGTGATCGGGCGCAGGC		
6-5756681-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACCCCAATCCTGTGGGAGCGGCCTTGTGTCGCG		
2-1846955-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACAGGCTTGCGAATCCCTGTAGGAGCGGGTTC		
5-5218778-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACATCGCAACAGGTGTTTGACGAAGTTGCATG		
4-3971673-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACAGGGCTTGTGGTTTCCCTTTGAGAGCGCCG		
7'-6039251-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACATGGGATTTCTTTTGTGGGAGCGGGTTTAC		
3-2435133-6	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACGGGCGCATCCAGGCTGGTCAATCTGTTCTGT		
Consensus	GGAGAAATTCTCTGGCACGCTGACTCGTACCTCGAGGTTGCTGAGAGAGGCCGATGGCGTTTTTACTGAAAATTTGCCTCCGGCCATAGAATCTCTACa..g.....g.....g.g.....		