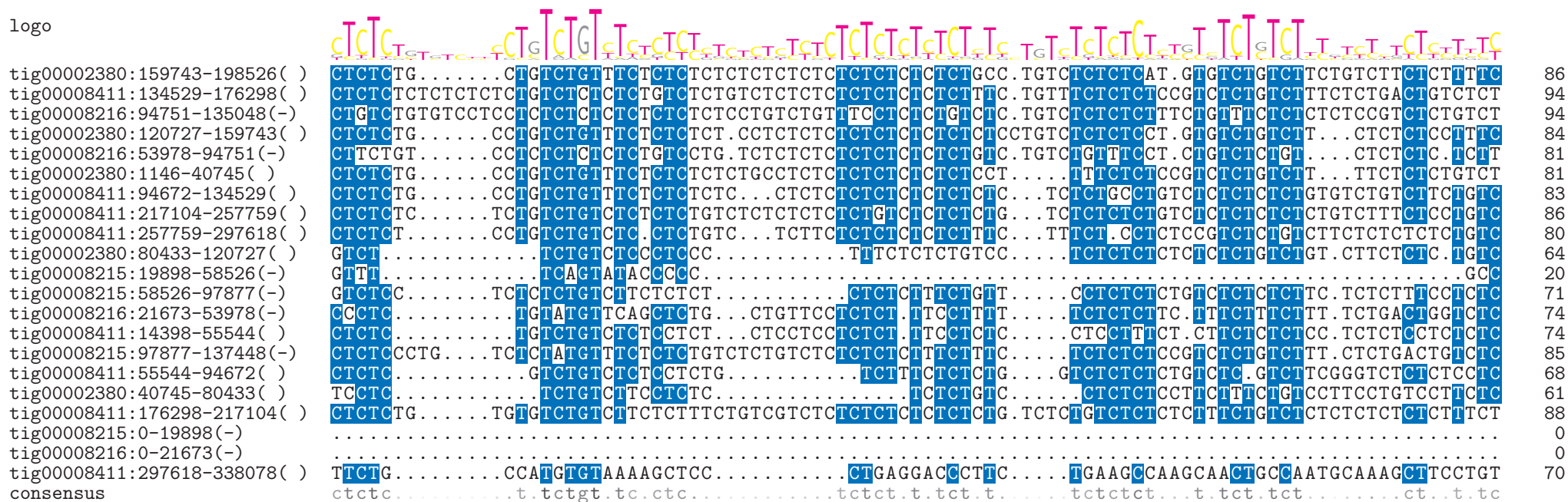
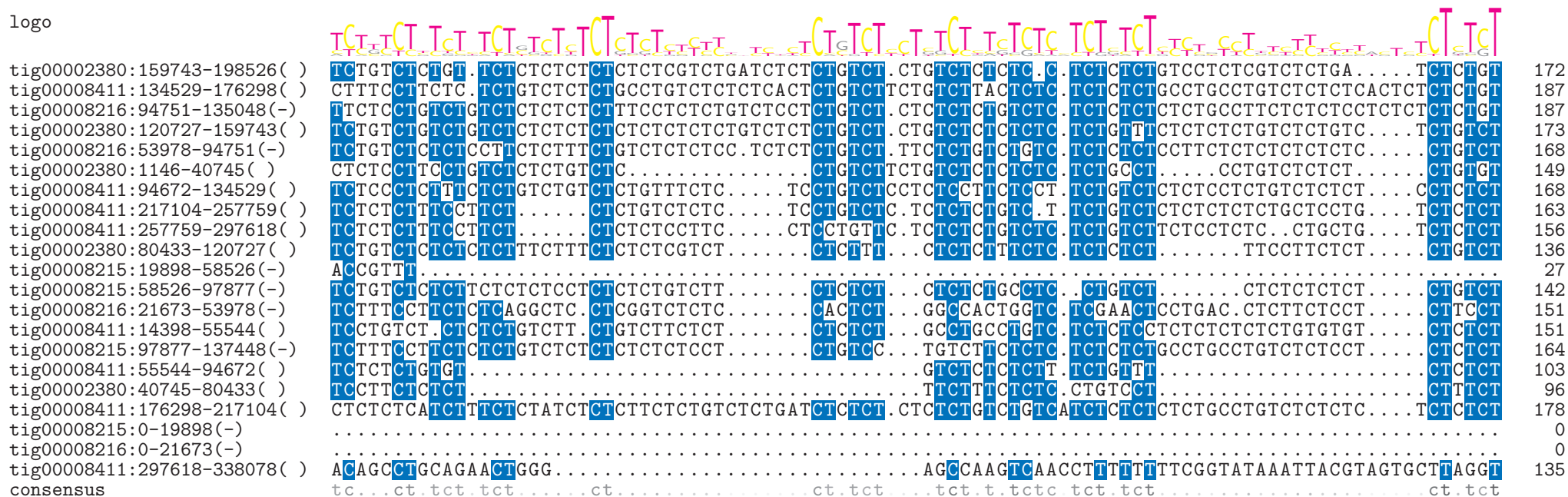


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tig00008411:134529-176298( )	GTGTCTCTCTCTTTTCTGTCTCTCT.C.TGTCTCTCTGTCT..CGTCTCTGTCTTTTCTCTGTCTGTCTCTTTTGTCTGTCTGTCTTTT.GTCTTTCCCTT	277
tig00008216:94751-135048(-)	CTCTCTCTCTCTTTTCTGTCTCTCT.C.TGTCTCTGTCT...CGTCTCTGTCTTTTCTCTGTCTGTCTCTCT.....CTGTCTCTTT.GTCTTTCCCTT	267
tig00002380:120727-159743( )	CTCTCTCCTTCTCTCTGTCTCTCTCTCC.TGTCTCTCTCTGT.CTCTCTCTCTCTCC...TGCTCTCTCTCTCTGTCTCTCTCTCTCTCTCTCTGTCTCTGTCT	262
tig00008216:53978-94751(-)	CTCTCTGTCT...TCTGTCTCTCTCT...TCTGTCTCTGT.CCTTTCTCTGTCT...TGCTGTCTGTCTGTCTGTCTGTCTCTTTTGTCTTTTCTT	250
tig00002380:1146-40745( )	GTTCTCTCTCT...TCTGTCTCTCT...GTCTCTCTGTCT..CGTCTCTGTCTTTTCTCTGTCTGTCTCTTTTGTCTGTCTGTCTTTT.GTCTTTCCCTT	234
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tig00008411:217104-257759( )	CTCTGTGTG..TCTCTCTCTGTTC.TCTCTGTCTCTGTCTCCGTCTCTGTCTTTTCTCTGTCTGTCTCTTTTGTCTGTCTGTCTTTT.GTCTTTCCCTT	254
tig00008411:257759-297618( )	CTCTGTGTGT.CCTCTCTTCTTCTC..TTTCTCTGTCTGTCTCCGTCTGTCT..TTTCTCTGTCTCTC...TTGTCTGTCTGTCTTTT.TCCTT.....	238
tig00002380:80433-120727( )	CTCTCTGCCGTGTCCTCTCCTCTGTCTT.CTGTCTTCTCTCTCTTGCCTGCTGTCTCT.....CTCTCTCTCTGTGTGT.CTCTCTCTTT	219
tig00008215:19898-58526(-)		27
tig00008215:58526-97877(-)	CTCTCTTTTCTGTTTCTCTCTGTCT..CTCTCGTCTCTGTCTTTTCTCTGTCTGTCTCT.....TTGTCTGTCTGTCTTTT.GTCTTTCCCTT	224
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tig00008411:176298-217104( )	CTGTGTGTCTCTCTCTCTTTCTGTCTTTCTCTCTGTCTCTGTCTCCGTCTCTGTCTTTTCTCTGTCTGTCTCTTTTGTCTGTCTGTCTTTT.GTCTTTCCCTT	272
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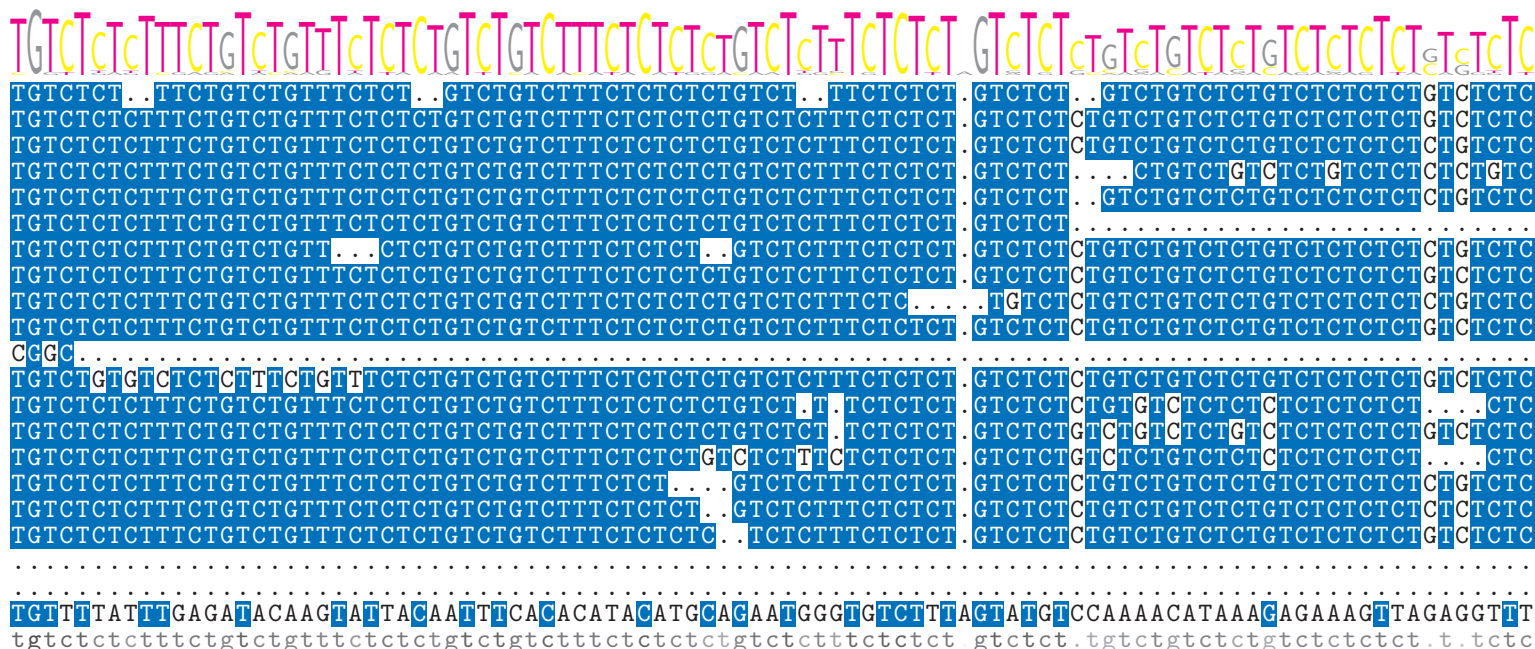
Sequence logo showing nucleotide conservation across 19 sequences. The y-axis represents the log-odds of a nucleotide being at a position, with a scale from 0 to 429. The x-axis shows positions from 1 to 30. The logo is color-coded: C (blue), T (red), G (green), and A (yellow). The sequences are listed on the left, and the corresponding nucleotide counts are on the right.

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tig00008411:217104-257759( )	T	C	G	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T
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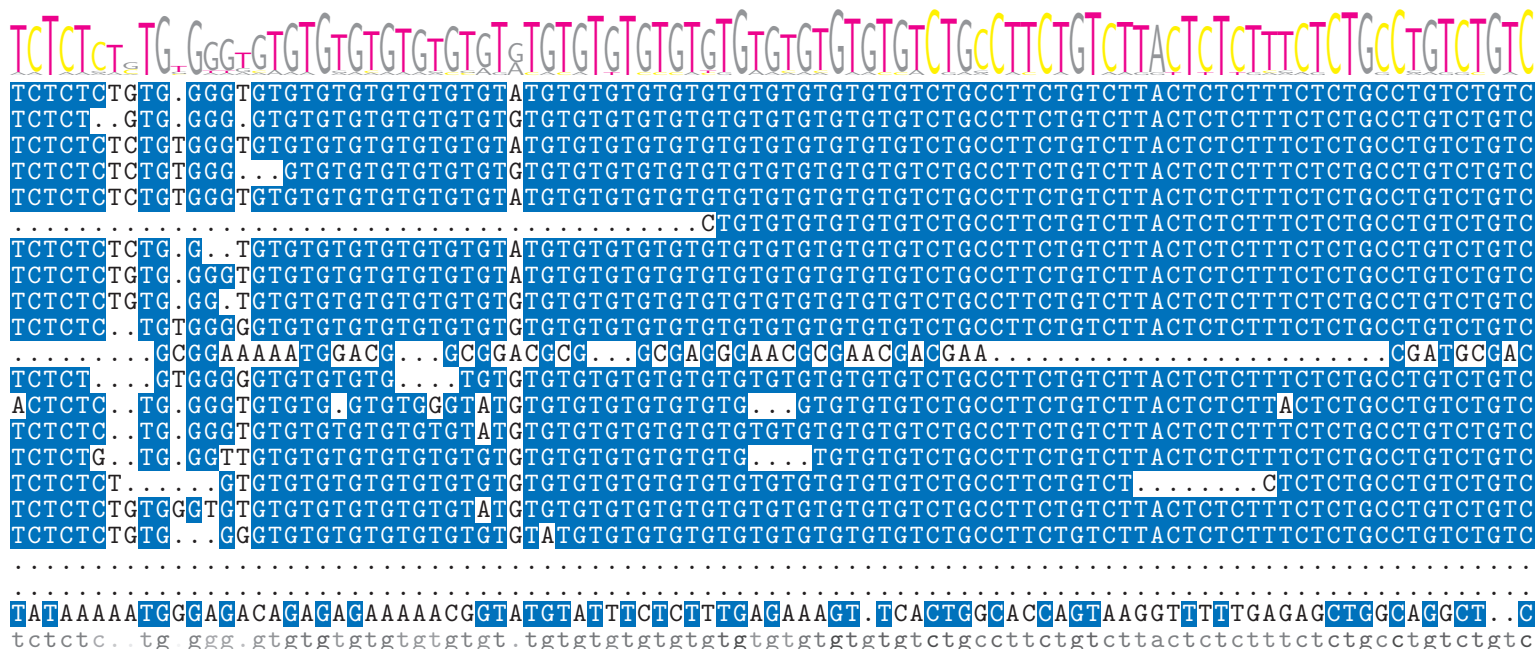
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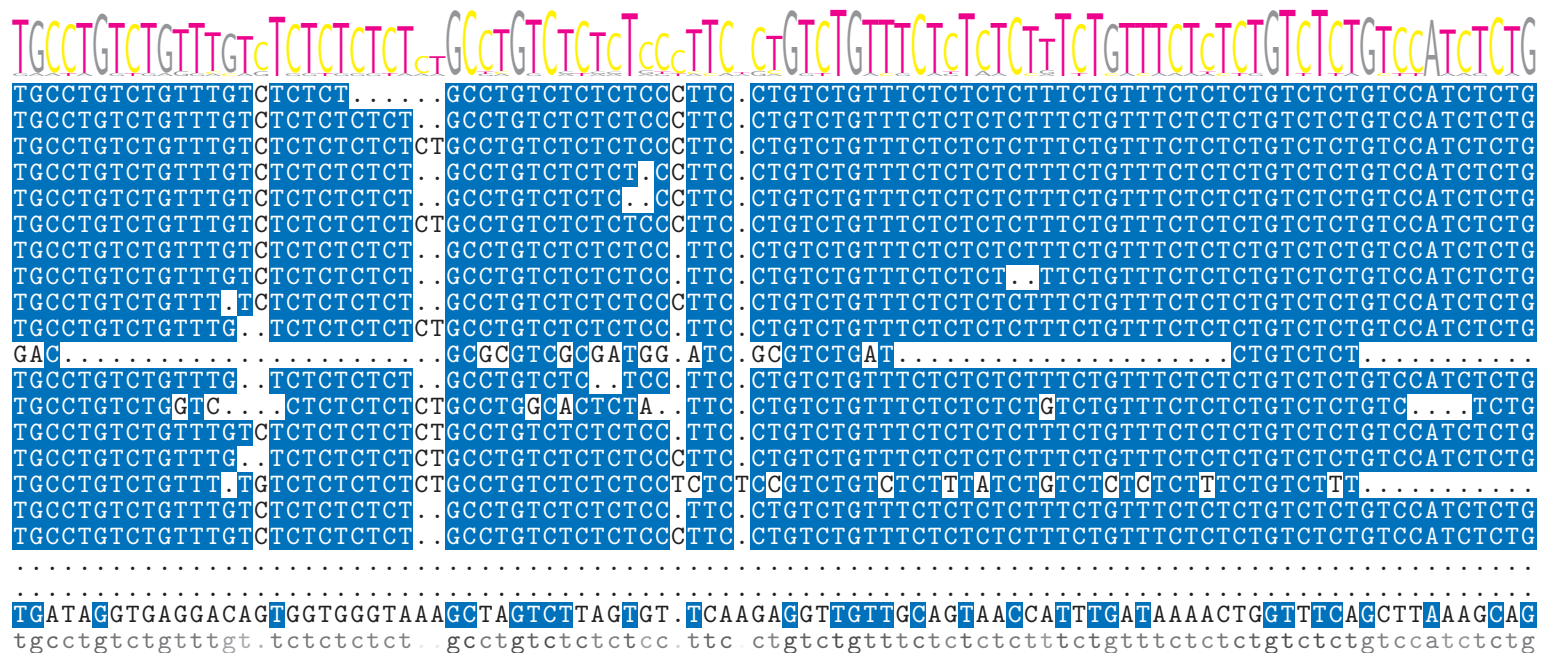
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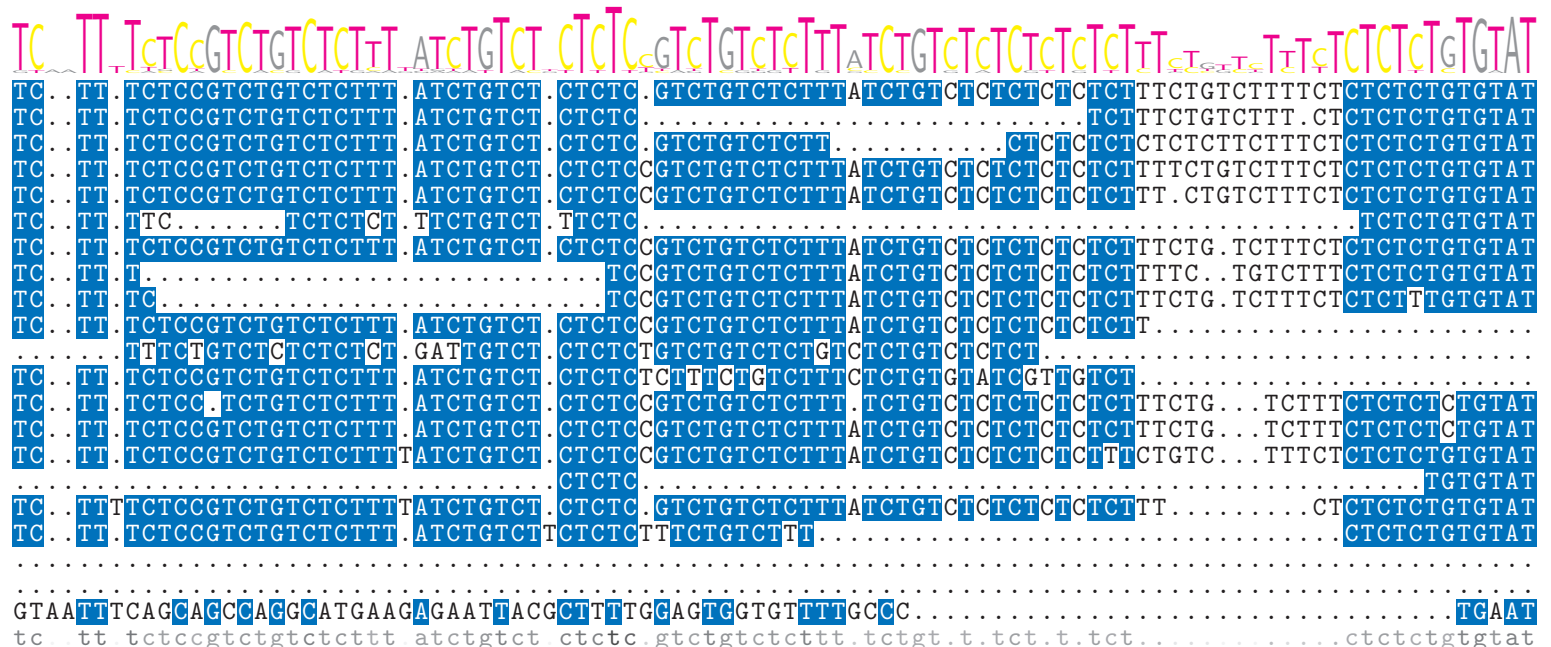
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tig00008216:0-21673(-)		.....	0	
tig00008411:297618-338078( )	AAATAAAA...CTGACAGTAATCCAGGAGAGAAACATACCTTGGCAAATTCGAAGA...TATTCTAATTTTATTTAACAATTTTAAAA..TT			1178
consensus	gaataaagatccaatcctaaaa	tctgggg.tggccttctccctcgactgtctcgaaaa.tcgtagctctgttccc.taggatgcg.ggaagagttt		

tig00002380:159743-198526( )  
tig00008411:134529-176298( )  
tig00008216:94751-135048(-)  
tig00002380:120727-159743( )  
tig00008216:53978-94751(-)  
tig00002380:1146-40745( )  
tig00008411:94672-134529( )  
tig00008411:217104-257759( )  
tig00008411:257759-297618( )  
tig00002380:80433-120727( )  
tig00008215:19898-58526(-)  
tig00008215:58526-97877(-)  
tig00008216:21673-53978(-)  
tig00008411:14398-55544( )  
tig00008215:97877-137448(-)  
tig00008411:55544-94672( )  
tig00002380:40745-80433( )  
tig00008411:176298-217104( )  
tig00008215:0-19898(-)  
tig00008216:0-21673(-)  
tig00008411:297618-338078( )  
consensus

Sequence	Position
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TCTCAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1336
TCTCAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1334
.CTCAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1340
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.CTCAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1144
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T...CAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1305
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.CTCAATGTGCATCTGCCCCGTGTCTTAAGTGATCTGTGACCGAGGCCCTGTCCGTCTGTCTCAAA	1186
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tig00002380:159743-198526( )  
tig00008411:134529-176298( )  
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tig00008411:14398-55544( )  
tig00008215:97877-137448(-)  
tig00008411:55544-94672( )  
tig00002380:40745-80433( )  
tig00008411:176298-217104( )  
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tig00008216:0-21673(-)  
tig00008411:297618-338078( )  
consensus

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tig00002380:159743-198526( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1499
tig00008411:134529-176298( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1523
tig00008216:94751-135048(-)	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1518
tig00002380:120727-159743( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1515
tig00008216:53978-94751(-)	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1479
tig00002380:1146-40745( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1274
tig00008411:94672-134529( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1501
tig00008411:217104-257759( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1479
tig00008411:257759-297618( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1438
tig00002380:80433-120727( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1393
tig00008215:19898-58526(-)	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	900
tig00008215:58526-97877(-)	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1413
tig00008216:21673-53978(-)	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1442
tig00008411:14398-55544( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1449
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tig00008411:55544-94672( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1297
tig00002380:40745-80433( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1364
tig00008411:176298-217104( )	GAGAACTTTCTGCC	AGGATCCTGTGTGAC	AAA	GTGCCTCTG	TGGGAGCTGGGATCCTCGGGACCATGCTTGCTAGC	TGGATGAGTCT	1509
tig00008215:0-19898(-)							0
tig00008216:0-21673(-)							0
tig00008411:297618-338078( )	GATTAACTTTGTGAACCTTCAATTCAAGAAAGAAATAAGGAATTCAGGGAATAGAGA						1436
consensus	gagaacttttcctgccc	aggatcctgtgtgac	aaa	gtgcctctg	tgggagctgggatcctcgggaccatgcttgctagcg	tggatgagtct	

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tig00002380:120727-159743( )	CTGGAAGGCCTTTCGGGACTCC	ATAAAGCTGACCTGTCCAA	CGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1606
tig00008216:53978-94751(-)	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1565	
tig00002380:1146-40745( )			AGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1314
tig00008411:94672-134529( )	CTGGAAGGCCTTTCGGGACTCC	ATAAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1589	
tig00008411:217104-257759( )	CTGGAAGGCCTTTCGGGACTCC	GCAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1569	
tig00008411:257759-297618( )	CTGGAAGGCCTTTCGGGACTCC	GCAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1529	
tig00002380:80433-120727( )	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1486	
tig00008215:19898-58526(-)	CTGGAAGGCCTTTCGGGACTCC	GCAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	988	
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tig00008216:21673-53978(-)	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCAC	GAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1533
tig00008411:14398-55544( )	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCAC	GAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1542
tig00008215:97877-137448(-)	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1591	
tig00008411:55544-94672( )	CTGGAAGGCCTTTCGGGACTCC	GCAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1386	
tig00002380:40745-80433( )	CTGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCAC	GAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1454
tig00008411:176298-217104( )	CTGGAAGGCCTTTCGGGACTCC	GCAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1599	
tig00008215:0-19898(-)						0
tig00008216:0-21673(-)						0
tig00008411:297618-338078( )	GTCGGGAAGGCCTTTCGGGACTCC	ATAAGCTGACCTGTCCCACCGAGGTCAAATGGATACCTCTGCATTGGCC	GAGGCCTCCGAAG	TACATC	1518	
consensus	ctg.a..gg.c...cgggactcc	aaagctgacctgtcccaccgaggtcaaattggatacctctgcattggccc	gaggcctccgaag	tacatc		

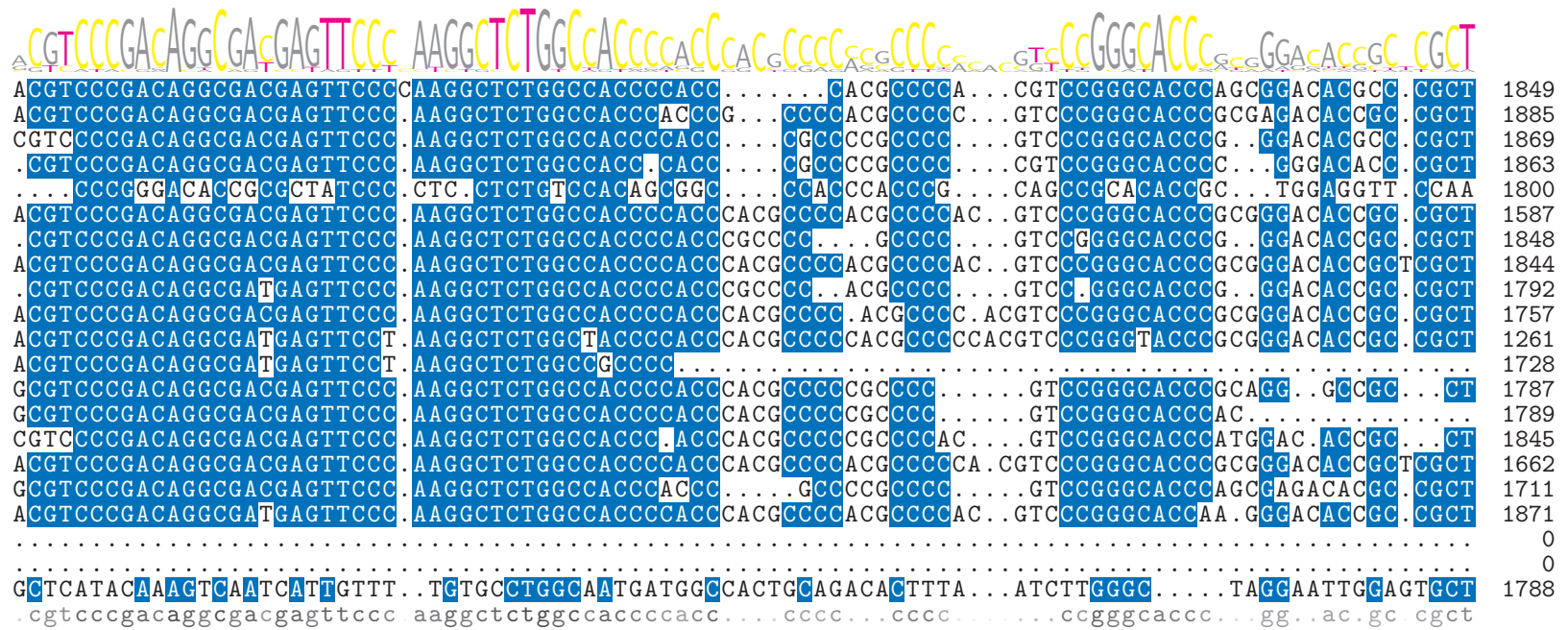
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tig00002380:159743-198526( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	GG	1674
tig00008411:134529-176298( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1705
tig00008216:94751-135048(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1698
tig00002380:120727-159743( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1694
tig00008216:53978-94751(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1647
tig00002380:1146-40745( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1403
tig00008411:94672-134529( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1677
tig00008411:217104-257759( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1659
tig00008411:257759-297618( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1618
tig00002380:80433-120727( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1575
tig00008215:19898-58526(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1076
tig00008215:58526-97877(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1592
tig00008216:21673-53978(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1617
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tig00008215:97877-137448(-)	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1676
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tig00008411:176298-217104( )	ACCGTCACCAACCGTCACCGTC	AGCATCCTTGTGAGC	CTGCCAAGGCCCCGC	CTCCGGG	AGACT	...	CTTGGGAGCCCGGCCTTCGT	CGG	1688
tig00008215:0-19898(-)	.....	.....	.....	.....	.....	.....	.....	.....	0
tig00008216:0-21673(-)	.....	.....	.....	.....	.....	.....	.....	.....	0
tig00008411:297618-338078( )	TCTGCAACTCACC	TTTCCACTGGGATCTGTGCAATC	CAGATTAAAGGAGAGCACTCTGTTTCTCCAAAGCCTTGGAGCTAGCACAAAAGTGG						1611
consensus	accgtcaccaaccgtcacccgtc	agcatccttgtgagc	ctgcc.aaggccccgc	ctccggg.agact	...	...	cttgggagcccgcccttcgtcgg		

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tig00002380:159743-198526( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	AG	1765
tig00008411:134529-176298( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCC	TAAGGTCCCCACTGAGC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GA	1798
tig00008216:94751-135048(-)	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAGC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	AG	1786
tig00002380:120727-159743( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	AG	1783
tig00008216:53978-94751(-)	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAGAGACGAGTTCCCA	.....	AGGCTCTGG	CCACCCACCCGCCCCGT	CCGGGCA	.....	1723
tig00002380:1146-40745( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCC	TAAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1496
tig00008411:94672-134529( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	AG	1766
tig00008411:217104-257759( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1752
tig00008411:257759-297618( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	AG	1709
tig00002380:80433-120727( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCCT	CAAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1666
tig00008215:19898-58526(-)	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1168
tig00008215:58526-97877(-)	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1686
tig00008216:21673-53978(-)	CGTAAAGTCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAG	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1704
tig00008411:14398-55544( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAGC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GA	1716
tig00008215:97877-137448(-)	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGA	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1760
tig00008411:55544-94672( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1569
tig00002380:40745-80433( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCC	CAAGGTCCCCACTGAGC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GA	1628
tig00008411:176298-217104( )	CTAAAGTCCAAAGGGATGGTGACTTCCACCCAC	AAGGTCCCCACTGAAC	GGCGAAGATGTGG	GCGTAGGTCAGAGAGGG	ACCAGGAGG	GAG	1781
tig00008215:0-19898(-)	.....	.....	.....	.....	.....	.....	0
tig00008216:0-21673(-)	.....	.....	.....	.....	.....	.....	0
tig00008411:297618-338078( )	CTGAGATATGGGGAAGAGGAAAGAC	ACTCAGAAAAGCTGCAG	GCATTTCCAGACCTGGGAC	TGAGAGAAAGATGCCCTTTTTAATCTGG			1703
consensus	ctaaagtccaaagggatggtgacttccaccca	aaggtccccactga.c	ggcgaagatgtgg	gcgtaggtcagagagggg	accaggag.g	...	

tig00002380:159743-198526( )  
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