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tig00002380:159743-198526( )  CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008411:134529-176298( )  CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAACGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008216:94751-135048(-)   .GGT..CGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTTTAGTG   85
tig00002380:120727-159743( )  CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008216:53978-94751(-)    CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTTTCCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTTTAGTG   89
tig00002380:1146-40745( )     .GGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   86
tig00008411:94672-134529( )   .GGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCG...TCCTAAGGGTCGATTT.AGTG   83
tig00008411:217104-257759( )  .TGTCACGTGTGGCGTCCGTGCTTCTC....CTATTT.CCCGATA..AGCTCCTGGACTTCAACATAAGCGGTGTCCTAAGGGTCGATTT.AGTG   86
tig00008411:257759-297618( )  .GGTC.CGTGTGGCGTCCGTGCTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   85
tig00002380:80433-120727( )   .GGTCGTGTG....GTCATTGCTTCTC....CTATTTC..GATAG.AACTCCTCAA....ACCAGCAGCGGCGTCCT..GGGTCGATTT.AGTG   75
tig00008215:19898-58526(-)    CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTTCCC.GATA..AGCTCCTCGACTTCAACATAAACGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008215:58526-97877(-)    CGGTC.CGTGTGGCGTCCGTACTTCTC....CTATTTCCCGATA..AGCTCCTCGACTTCAACATAAGCGG..TCCTAAGGGTCGATTT.AGTG   85
tig00008216:21673-53978(-)    C..GGTCGTG..GCGTCCG.GCTTCTC....CA..TTTCCCGATA..A..TCCTCGACTTC..CATAA..........................   51
tig00008411:14398-55544( )    CTCGGTCGTGTGGCGTCCGTACTTCTC....CTATTTTCCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.T...   85
tig00008215:97877-137448(-)   CGGTCACGTGTGGCGTCCGTACTTCTC....CTA.TTTCCCGATA..AGCTCCTCGACTTCAACATAAACGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008411:55544-94672( )    CGGTCACGTGTGGCGTCCGTACTTCTC....CTATTT.CCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00002380:40745-80433( )    CGGT.GCGTGTGGCGTCCGTACTTCTC....CTATTTTCCCGATA..AGCTCCTCGACTTCAACATAAGCGGCGTCCTAAGGGTCGATTT.AGTG   87
tig00008411:176298-217104( )  CGGTC.CGTGTGGCGTCCGTACTTCTC....TATTTTCCCGATA..AGCTCCTCGACTTCAACATAAGCG...TCCTAAGGGTCGATTTTAGTG   84
tig00008215:0-19898(-)        ....................................................................................................    0
tig00008216:0-21673(-)        ....................................................................................................    0
tig00008411:297618-338078( )  .GGCAACCTCAAATGTCATGGGTTCACAGGGTAAATGTTAAGGTAATAGCTAAACAA.TTGAGAGTAAGGACATCTATAGTAAGTGAAAAAATT   93
consensus                     .ggtc.cgtgtggcgtccgtacttctc   .ctattt.cccgata  agctcctcgacttcaacataagcggcgtcctaagggtcgattt.agtg

logo        TCATGcCTcTTtcAcggcCACCAcGAAGATGAAAgCAAAgATCGGCTAAATac.gCGTGTTCTCATCTAGAAgTGGG  AACTTACAGATGA

tig00002380:159743-198526( )  TCATGCCTCTTTCACCGCCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATAC..CGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  175
tig00008411:134529-176298( )  TCATGCCT....CACCGCCACCACCGAAGATGAAAGCAA.GATCGGCTAAATACG.CGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  172
tig00008216:94751-135048(-)   TCATGCCTCTTTCACCGCCACCAC.GAAGATGAAAGATCGGCTAAATACCGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  175
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tig00002380:1146-40745( )     TCATGCCTCTTTCACCGCCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATACAGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  176
tig00008411:94672-134529( )   TCATGCCTCTTTCACCGCCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATACAGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  173
tig00008411:217104-257759( )  TCATGCCTCTTTCAC.GCCACCAC.GAAGATGAAAGCAAAAATCTGCTAA.....GCGTGTTCTCA.....AATGGGG....AACTTACAGATGA  165
tig00008411:257759-297618( )  TCATGCCTCTTTCAC.GCCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATACCGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  174
tig00002380:80433-120727( )   TCATGCCTCTTTCACG..CACCAC..GAGATGAA.GCAAAGAT.GGCTAAATACGGCGTGTTCTCATCTAGAAGTGGG....A.ACTACAGATGA  159
tig00008215:19898-58526(-)    TCATGCCTCTTTCACCGCCACCACCGAAGATGAAAGCAAAGATCGGCTAAATACG.CGTGTTCTCATCTAGAAGTGGG....A.CTTACAGATGA  176
tig00008215:58526-97877(-)    TCATGCCTCTTTCAC...CACCACCGAAGATGAAAGCAAAGAT.GGCTAAATACCGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  172
tig00008216:21673-53978(-)    .....................................................................................................   51
tig00008411:14398-55544( )    TAGTGTCATGCCTCTT....TCACCGAAGATGAAAGCAAAGATCGGCTAAAATACGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  172
tig00008215:97877-137448(-)   TCATGCCTCTTCACCG....CCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATACCGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  174
tig00008411:55544-94672( )    TCATGCCTCTTTCACCGCCACCAC.GAAGATGAAAGCAAAGATCGGCTAAATACAGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  177
tig00002380:40745-80433( )    TCATGCCTCTTTCAC..CGCCACCGAAGATGAAAGCAAAGATCGGCTAAATACAGCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  175
tig00008411:176298-217104( )  TCATGCCTCTTT..TCACCACCACCGAAGATGAAAGCAAAGATCGGCTAAATAC.GCGTGTTCTCATCTAGAAGTGGG....AACTTACAGATGA  172
tig00008215:0-19898(-)        .....................................................................................................    0
tig00008216:0-21673(-)        .....................................................................................................    0
tig00008411:297618-338078( )  CAAGATGTAATACAGAGT..CCAG.TATGACAGACTTGAGAAACTTTCAAAAACTAGGAAAAGAAAACCAAAAGTCATTCTTGCCGTGTCTCTGA  185
consensus                     tcatgcctctttcac...caccac.gaagatgaaagcaaagatcggctaaatac.gcgtgttctcatctagaagtggg   aacttacagatga
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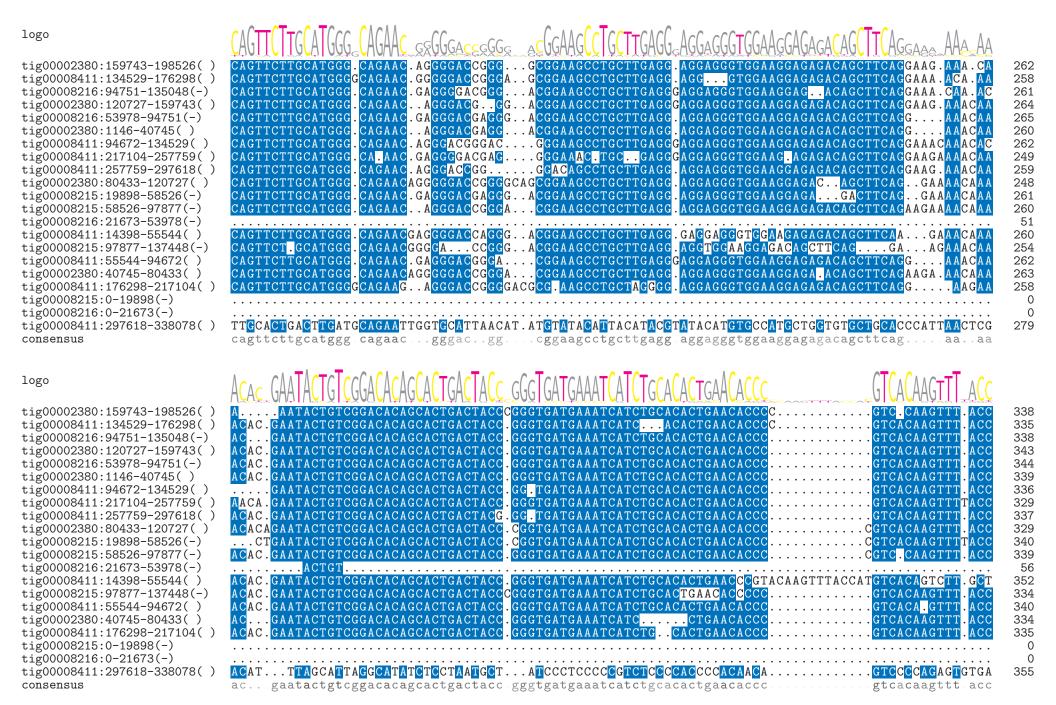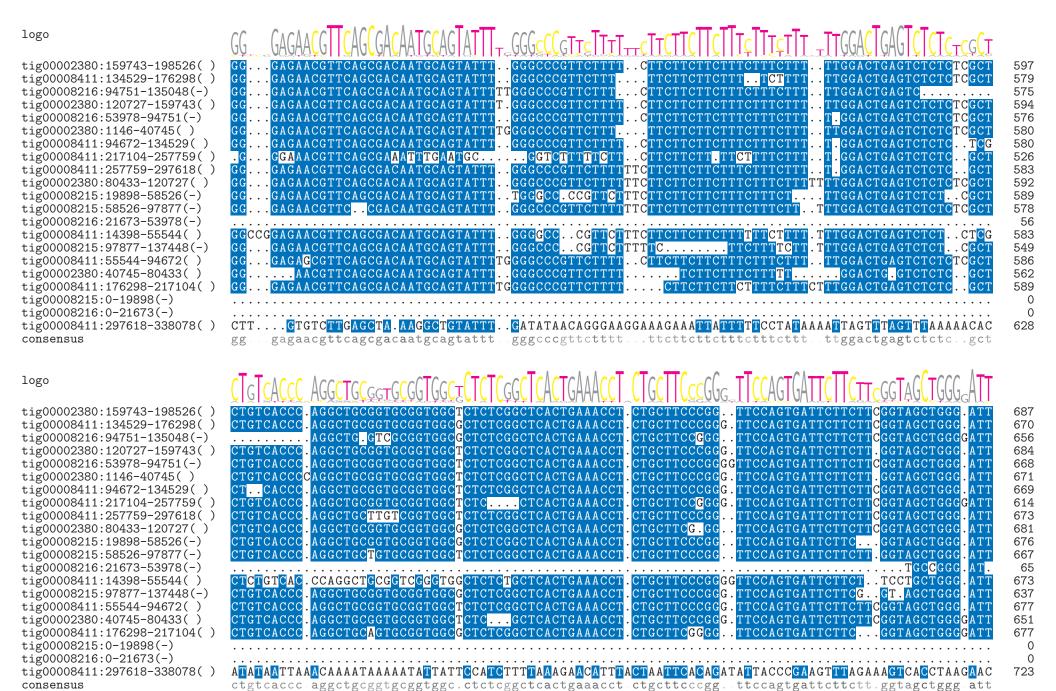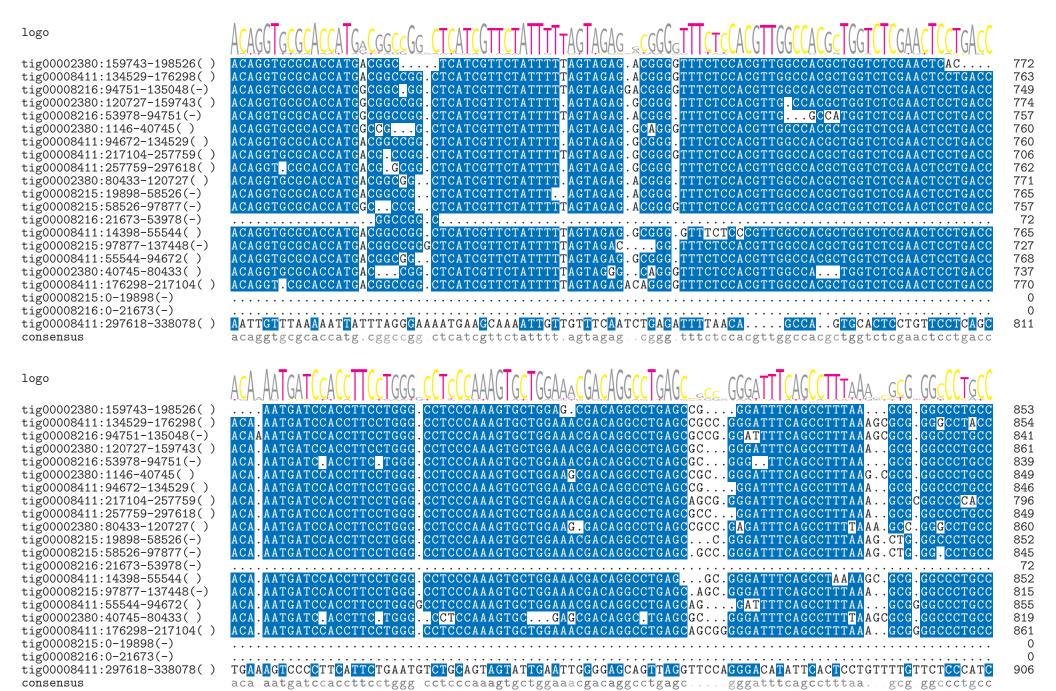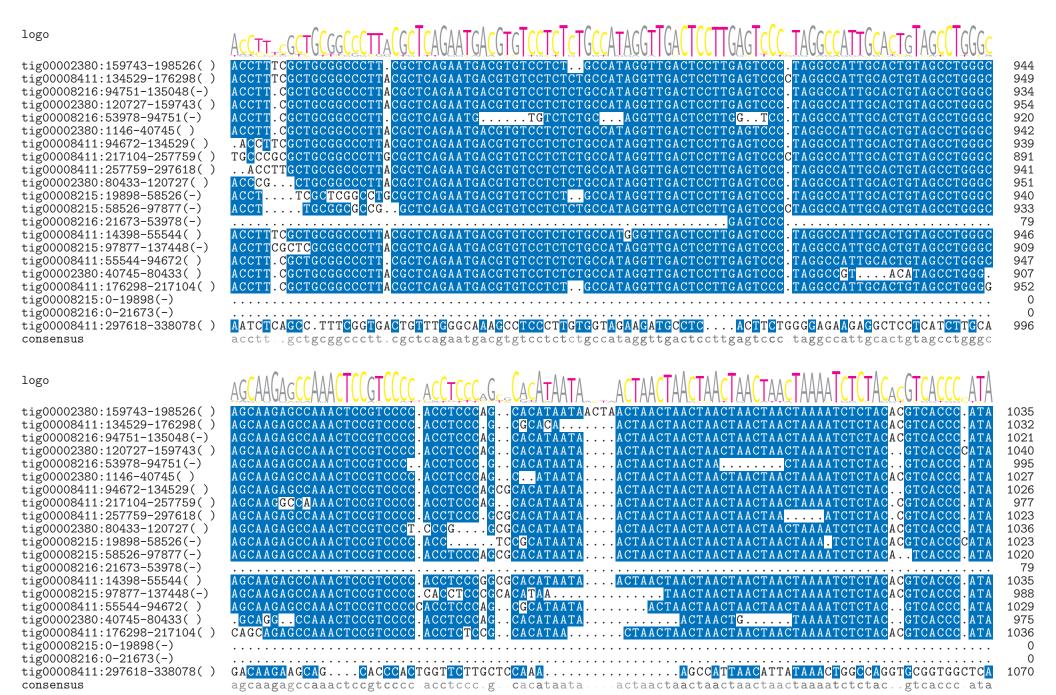
logo

Sequence	Alignment	End
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tig00008411:134529-176298( )	CAGTTCTTGCATGGGGCAGAAC.GGGGGACCGGGA..GCGGAAGCCTGCTTGAGG.AGG...GTGGAAGGAGAGACAGCTTCAGGAAA.ACA.AA	258
tig00008216:94751-135048(-)	CAGTTCTTGCATGGG.CAGAAC.GAGGGGACGGG...ACGGAAGCCTGCTTGAGGGAGGAGGGTGGAAGGAG..ACAGCTTCAGGAAA.CAA.AC	261
tig00002380:120727-159743( )	CAGTTCTTGCATGGG.CAGAAC..AGGGACG..GG...ACGGAAGCCTGCTTGAGGGAGGAGGGTGGAAGGAGAGACAGCTTCAGGAAG.AAACAA	264
tig00008216:53978-94751(-)	CAGTTCTTGCATGGG.CAGAAC.GAGGGACGAGGG.ACGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGAGACAGCTTCAGG....AAACAA	265
tig00002380:1146-40745( )	CAGTTCTTGCATGGG.CAGAAC..AGGGACG..GA...ACGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGAGACAGCTTCAGG....AAACAA	260
tig00008411:94672-134529( )	CAGTTCTTGCATGGG.CAGAAC.AGGGACGGGAC....GGGGAAGCCTGCTTGAGGGAGGAGGGTGGAAGGAGAGACAGCTTCAGGAAACAAACAC	262
tig00008411:217104-257759( )	CAGTTCTTGCATGGG.CAGAAC.CA.AAC.GAGGGGACGAG...GGGAAAC.TGC.GAGGGAGGAGGGTGGAAG.AGAGACAGCTTCAGGAAGA.AAACAA	249
tig00008411:257759-297618( )	CAGTTCTTGCATGGG.CAGAAC.AGGGACCGG....GGACAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGAGACAGCTTCAGGAAG.AAACAA	259
tig00002380:80433-120727( )	CAGTTCTTGCATGGG.CAGAACAGGGGGACCGGGCAGCGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGAC..AGCTTCAG..GAAAACAAA	248
tig00008215:19898-58526(-)	CAGTTCTTGCATGGG.CAGAAC.GAGGGACGAGGG.ACGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGA..GACTTCAG..GAAAACAAA	261
tig00008215:58526-97877(-)	CAGTTCTTGCATGGG.CAGAAC.AGGGACCGGGA..CGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGAGACAGCTTCAGAAGAAAACAAA	260
tig00008216:21673-53978(-)	....	51
tig00008411:14398-55544( )	CAGTTCTTGCATGGG.CAGAACGAGGGGACCAGGG.ACGGAAGCCTGCTTGAGG.GAGGAGGGTGGAAGAGAGACAGCTTCAA...GAAACAAA	260
tig00008215:97877-137448(-)	CAGTTCT.GCATGGG.CAGAACGGGGA...CCGGG.ACGGAAGCCTGCTTGAGG.AGGTGGAAGGAGACACTTCAG....GA...AGAAACAA	254
tig00008411:55544-94672( )	CAGTTCTTGCATGGG.CAGAAC.GAGGGACGGGA....CGGAAGCCTGCTTGAGGGAGGAGGGTGGAAGGAGAGACAGCTTCAGG....AAACAA	262
tig00002380:40745-80433( )	CAGTTCTTGCATGGG.CAGAACAGGGGGACCGGGA..CGGAAGCCTGCTTGAGG.AGGAGGGTGGAAGGAGA.ACAGCTTCAGAAGA.AACAAA	263
tig00008411:176298-217104( )	CAGTTCTTGCATGGGGCAGAAG..AGGGACCGGGGACGCG.AAGCCTGCTAGGG.AGGAGGGTGGAAGGAGAGACAGCTTCAGG.....AAGAA	258
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	TTGCACTGACTTGATGCAGAATTGGTGCATTAACAT.ATGTATACATTACATACGTATACATGTGCCATGCTGGTGTGCTGCACCCATTAACTCG	279
consensus	cagttcttgcatggg cagaac ...gggac..gg ....cggaagcctgcttgagg aggaggtggaaggagagacagcttcag.....aa..aa	

logo

Sequence	Alignment	End
tig00002380:159743-198526( )	A.....AATACTGTCGGACACAGCACTGACTACCCGGGTGATGAAATCATCTGCACACTGAACACCCC..........GTC.CAAGTTT.ACC	338
tig00008411:134529-176298( )	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATC...ACACTGAACACCCC..........GTCACAAGTTT.ACC	335
tig00008216:94751-135048(-)	AC..GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCC..........GTCACAAGTTT.ACC	338
tig00002380:120727-159743( )	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCC..........GTCACAAGTTT.ACC	343
tig00008216:53978-94751(-)	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCCC..........GTCACAAGTTT.ACC	344
tig00002380:1146-40745( )	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCCC..........GTCACAAGTTT.ACC	339
tig00008411:94672-134529( )	GAATACTGTCGGACACAGCACTGACTACC.GG.TGATGAAATCATCTGCACTGAACACCC..........GTCACAAGTTT.ACC	336
tig00008411:217104-257759( )	AACA.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCC..........GTCACAAGTTTTACC	329
tig00008411:257759-297618( )	ACAC.GAATACTGTCGGACACAGCACTGACTACG.GG.TGATGAAATCATCTGCACTGAACACCC..........GTCACAAGTTT.ACC	337
tig00002380:80433-120727( )	ACACAGAATACTGTCGGACACAGCACTGACTACC.CGGTGATGAAATCATCTGCACTGAACACCC.........CGTCACAAGTTT.ACC	329
tig00008215:19898-58526(-)	...CTGAATACTGTCGGACACAGCACTGACTACC.CGGTGATGAAATCATCTGCACTGAACACCC.........CGTCACAAGTTTTACC	340
tig00008215:58526-97877(-)	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCC.........CGTC.CAAGTTT.ACC	339
tig00008216:21673-53978(-)	..........ACTGT..................................	56
tig00008411:14398-55544( )	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACACTGAACCGTACAAGTTTACCATGTCACAGTCTT.GCT	352
tig00008215:97877-137448(-)	ACAC.GAATACTGTCGGACACAGCACTGACTACCCGGGTGATGAAATCATCTGCACTGAACACCCC..........GTCACAAGTTT.ACC	334
tig00008411:55544-94672( )	AC..GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTGCACTGAACACCC..........GTCACA.GTTT.ACC	340
tig00002380:40745-80433( )	AC..GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATC.....CTGAACACCC..........GTCACAAGTTT.ACC	334
tig00008411:176298-217104( )	ACAC.GAATACTGTCGGACACAGCACTGACTACC.GGGTGATGAAATCATCTG..CACTGAACCCC..........GTCACAAGTTT.ACC	335
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	ACAT...TTAGCATTAGGCATATCTCCTAATGCT...ATCCCTCCCCCGTCTCCCCACCCCACAACA..........GTCCCCAGAGTGTGA	355
consensus	ac.. gaatactgtcggacacagcactgactacc gggtgatgaaatcatctgcacactgaacaccc gtcacaagttt acc	

tig00002380:159743-198526( )	TATGTCACAGTCT.TGCTCATGTA......GCGACAAATAAAGTTCGGGGAGAAGAGAGAGAGAGAGAGAGACAGAAGAGGGAGAGAGGGAGA	425
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tig00008216:94751-135048(-)	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAAGTTCGGGAGAAGAGAGGAGAGAGAGAGAGACAGAAGAGAAGAGAGGG......	426
tig00002380:120727-159743( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAA.GTTCGGGAGAAGAGA.GAGAGAGAGAGAAGAGGGAAGAGAGAA......	429
tig00008216:53978-94751(-)	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAA.GTTCGGGGAGAAGAGA.GAGAGAGAGAGAAGAGAGAAGAGAGA......	429
tig00002380:1146-40745( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAAGTTCGGGGAGAAGAG.GAGAGAGAGAGAGGGAAGAAGAGAGGA......	425
tig00008411:94672-134529( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAA.GTTCAGAGGGGAGAGAGAGAGAGGGAGAAGAGAGGA........	423
tig00008411:217104-257759( )	TATGTCACAGTCT.TGCTCATGTAA...TTGACGACAAAATAA.A...AGTTGAGGG...............GAAA.......	382
tig00008411:257759-297618( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAACGACAAATAAA.GTTCGGGAGAAAGAG.GAGAGAGAGAGAGATAGAAAAGGAAGAGGGAA......	423
tig00002380:80433-120727( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAACGACAAATAAT.TCAGGGAGAAAGGAGAGAGAGAGAGGGAGAAGGGGGGAGAGAGA......	416
tig00008215:19898-58526(-)	TATGTCACAGTCT.TGCTCATGTATGCTTGAACGACAAATAAAGTTCGGGAGAAGAGAGGGAGAGAGGGAAGAGGAGAA......	428
tig00008215:58526-97877(-)	TATGTCACAGTCT.TGCTCATGTATGCTTGAACGACAAATAAAGTTCGGGGAGAAGAGAGGAGAGAGAGAGAG.GAAGGGGAAGAGAGA......	426
tig00008216:21673-53978(-)	....CATGTGGCAGCGA.CAAATAAAGTTCGGGGAGAAAGAGAGGAGAGAAGAGAGAGAAGAGGGAGAGAGGGAGAG............AGAGAGA	56
tig00008411:14398-55544( )	CATGTGGCAGCGA.CAAATAAAGTTCGGGGAGAAAGAGAGGAGAGAAGAGAGAGAAGAGGGAGAGAGGGAGAG............AGAGAGA	431
tig00008215:97877-137448(-)	TATGTCACAGTCT.TGCTCATGTATGCTTGAACGACAAATAAAGTTCAGGGGGAGAGAGAGAGA.....AG............AGAGAGA	408
tig00008411:55544-94672( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAA.GTTCAGGGAGAAGAGAGAGAGAGAGAGACAGAGAGAGAGGGGAGAG......	427
tig00002380:40745-80433( )	TATGTCACAGTCT.TGCTCATGTATGCTTGAGCGACAAATAAAGTTCAGGGAGAAAGA.GAGAGAGAGAGAAGACAAGGGAGAAGAGG......	421
tig00008411:176298-217104( )	TATGTCACAGTCT.TGCT...GTATGCTTGAACGACAAATAAA.GTTCAGGGAAAGAGAGGAGAGAGAGAGACAGAAAGAGGAAGAGAGA......	420
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	TGTTCCCCTTCCTGTGTCCGTGTGTTCTCATTGTTTAATTCCCACCTATGAGTGAGAACATGCGGTGTTTGGTTTTTGTCCTTGGGATAG.....	445
consensus	tatgtcacagtct.tgctcatgtatgcttga.cgacaaataaa..t...g...aa.....gagagagagag...........................	

tig00002380:159743-198526( )	GAGAGAGAGAGA.GAGAGAGAGAGAGAG.......AGAAAGAAGTAAACCAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	511
tig00008411:134529-176298( )	.....AAGAGAGA.GAGAGAGAGAGAGAG.......AAAGAGAAGTAA...AACCACCACCTCCTTGACCTGAGTCAGGGGGTTTCTGGCCTTT	497
tig00008216:94751-135048(-)	.....AGAGAAGA.GAGAGAAGAAAGAA.......GAGAAGAAATAA.....AACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCC..T	497
tig00002380:120727-159743( )	.....GAGAGAGA.GAGAGA.AGAGAG.......AGAAGAGAATAAACCAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	507
tig00008216:53978-94751(-)	.....GAGAGAAG.AAGAAAGA.AGAGA.......AACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	491
tig00002380:1146-40745( )	.....GAGAGAGA.GAGAGAGAGAGAA.......ATAAA.........ACCAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	494
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tig00008411:217104-257759( )	.....GAGAGAGA.GAAGA.AGAAGAGAA.......AGAAG.....AGATAAA..ATTTTTCCCTCCTTCAGAGTCAGGG.TTTCTAGC....	449
tig00008411:257759-297618( )	.....GAGAGAGA.AGAAGAAGAAGAAGG.......AGAAAG..TAAACAAC.CACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	498
tig00002380:80433-120727( )	.....GAGAGAGA.GAGAAGAGAGAGAGAGAGAAAGAGAAGTAAAACAACCACCACCTCCTTGACCTGAGTCAGGG..TTTCTGGCCTTT	502
tig00008215:19898-58526(-)	.....GGGAGAGA.GAGAGAAGAGAGAAG.......AAGAGAAGTAAACCAACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	506
tig00008215:58526-97877(-)	.....GAGAGAGA.GAGAGAGAAAAGAAA.......CAACCACCACCTCCTTGACCTGAGTCAGGGG.TTTCTGGCCTTT	492
tig00008216:21673-53978(-)	....	56
tig00008411:14398-55544( )	.....AAGAAG.A.GAAGAGAGAAAGAAA.......GTAGAGCCACCACCCTCCTCCTGACCTGAG..TCAGGGGTTTCT	495
tig00008215:97877-137448(-)	.....GAGAGA.A.GAGAAAGAAGTAAAC.......CAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	472
tig00008411:55544-94672( )	.....AGAGAGA.GAGAGAGAAGAGAGAG.......AAATAAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	498
tig00002380:40745-80433( )	.....AGAGAGA.GAAGAAGAGAGAAGA.......GAAGAATAACCACCACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	491
tig00008411:176298-217104( )	.....GAGAGAGA.GAAGAGAGAAGAAGAA.GAGAGAGAAAGAAATAAAACAAC..CACCTCCTTGACCTGAGTCAGGG.TTTCTGGCCTTT	504
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	TTGACTGAGAATGATGAATTAAAATAAAAATGCATGCACTTTCAAATGTACTTAGTGCAACATATTGAACTTAAATTCCAGTTTTCCTGGAATTA	540
consensus	.....gagagaga.ga.......a.a.a..............aac.accacctccttgacctgagtcaggg.tttctggclttt	

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                                GG   GAGAACGTTCAGCGACAATGCAGTATTT  GGGCCCGTTCTTTT   CTTCTTCTTCTTTCTTTCTTT  TTGGACTGAGTCTCTCTCGCT
tig00002380:159743-198526( )    GG...GAGAACGTTCAGCGACAATGCAGTATTT..GGGCCCGTTCTTTT.C TTCTTCTTCTTTCTTTCTTT..TTGGACTGAGTCTCTCTCGCT   597
tig00008411:134529-176298( )    GG...GAGAACGTTCAGCGACAATGCAGTATTT..GGGCCCGTTCTTT...TTCTTCTTCTTT..TCTTTT..TTGGACTGAGTCTCTCTCGCT   579
tig00008216:94751-135048(-)     GG...GAGAACGTTCAGCGACAATGCAGTATTTTTGGGCCCGTTCTTT...CTTCTTCTTCTTTCTTTCTTT..TTGGACTGAGTC.........   575
tig00002380:120727-159743( )    GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTT.C TTCTTCTTCTTTCTTTCTTT..TTGGACTGAGTCTCTCTCGCT   594
tig00008216:53978-94751(-)      GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTT.C TTCTTCTTCTTTCTTTCTTT..T.GGACTGAGTCTCTCTCGCT   576
tig00002380:1146-40745( )       GG...GAGAACGTTCAGCGACAATGCAGTATTTTGGGCCCGTTCTTTT..TTCTTCTTCTTTCTTTCTTT..TTGGACTGAGTCTCTCTCGCT   580
tig00008411:94672-134529( )     GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTC..CTTCTTCTTTCTTTCTTT..T.GGACTGAGTCTCTC..TCG    580
tig00008411:217104-257759( )    .G...GGAACGTTCAGCGACAATTTGAATGC....GGTCTTTTCTT..CTTCTTCTT.TTCT.TTTT..T.GGACTGAGTCTCTC..GCT    526
tig00008411:257759-297618( )    GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTTTTCTTCTTCTTTCTTTCTTT..T.GGACTGAGTCTCTCTCGCT   583
tig00002380:80433-120727( )     GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTTTTCTTCTTCTTTCTTTCTTTTTTGGACTGAGTCTCTCTCGCT    592
tig00008215:19898-58526(-)      GG...GAGAACGTTCAGCGACAATGCAGTATTT.TGGGCC.CCGTTCTTTCTTCTTCTTTCTTTCT....TTGGACTGAGTCTCT..CGCT   589
tig00008215:58526-97877(-)      GG.GAGAACGTTC..CGACAATGCAGTATTT.GGGCCCGTTCTTTTTTCTTCTTCTTTCTTTCTT..TTGGACTGAGTCTCTCTCGCT      578
tig00008216:21673-53978(-)      ..........................................................                                    56
tig00008411:14398-55544( )      GGCCGGAGAACGTTCAGCGACAATGCAGTATTT.GGGGCC..CGTTCTTCTTCTTCTTTTTTCTTTT.TTGGACTGAGTCTCT..CTCG     583
tig00008215:97877-137448(-)     GG...GAGAACGTTCAGCGACAATGCAGTATTT.GGGCCC..CGTTCTTTTICTTCTTTCTT.TTGGACTGAGTCTCT..CGCT           549
tig00008411:55544-94672( )      GG...GAGAGCGTTCAGCGACAATGCAGTATTTTGGGGCCCGTTCTTTT..CTTCTTCTTTCTTTCTTT..TTGGACTGAGTCTCTCTCGCT   586
tig00002380:40745-80433( )      GG.....AACGTTCAGCGACAATGCAGTATTT.GGGCCCGTTCTTTT...TCTTCTTTCTTTTT......GGACTG.GTCTCTC..GCT      562
tig00008411:176298-217104( )    GG...GAGAACGTTCAGCGACAATGCAGTATTTTGGGCCCGTTCTTTT....CTTCTTCTTCTTTTCTTTCTTGGACTGAGTCTCTC..GCT   589
tig00008215:0-19898(-)          ........................................................................................      0
tig00008216:0-21673(-)          ........................................................................................      0
tig00008411:297618-338078( )    CTT....GTGTCTTGAGCTA.AAGGCTGTATTT.GATATAACAGGGAAGGAAAGAAATTATTTTTCCTATAAAATTAGTTTAGTTTAAAAACAC  628
consensus                       gg...gagaacgttcagcgacaatgcagtatttt...gggcccgttctttt...ttcttcttctttctttcttt..ttggactgagtctctc...gct
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                                CTGTCACCC AGGCTGCGGTGCGGTGGC CTCTCGGCTCACTGAAACCT CTGCTTCCCGG TTCCAGTGATTCTTCTT GGTAGCTGGG ATT
tig00002380:159743-198526( )    CTGTCACCC.AGGCTGCGGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   687
tig00008411:134529-176298( )    CTGTCACCC.AGGCTGCGGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCCCGGG.TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   670
tig00008216:94751-135048(-)     ..........AGGCTG.GTCGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCCGGG..TTCCAGTGATTCTTCTTCGGTAGCTGGGGATT   656
tig00002380:120727-159743( )    CTGTCACCC.AGGCTGCGGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTT.GGTAGCTGGG.ATT   684
tig00008216:53978-94751(-)      CTGTCACCC.AGGCTGCGGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCCCGGGGTTCCAGTGATTCTTCTT.GGTAGCTGGG.ATT   668
tig00002380:1146-40745( )       CTGTCACCCCAGGCTGCGGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTT.GGTAGCTGGG.ATT   671
tig00008411:94672-134529( )     CT..CACCC.AGGCTGCGGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   669
tig00008411:217104-257759( )    CTGTCACCC.AGGCTGCGGTGCGGTGGCTCTC....CTCACTGAAACCT.CTGCTTCCGGGG.TTCCAGTGATTCTTCTTCGGTAGCTGGGGATT   614
tig00008411:257759-297618( )    CTGTCACCC.AGGCTGCTTGTCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   673
tig00002380:80433-120727( )     CTGTCACCC.AGGCTGCGGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCG.GG..TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   681
tig00008215:19898-58526(-)      CTGTCACCC.AGGCTGCGGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTC...GGTAGCTGGG.ATT   676
tig00008215:58526-97877(-)      CTGTCACCC.AGGCTGCTGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTT.GGTAGCTGGG.ATT   667
tig00008216:21673-53978(-)      ...........................................................................TGCCGGG.AT.           65
tig00008411:14398-55544( )      CTCTGTCAC.CCAGGCTGCGGTCGGGTGGCTCTCTCTGCTCACTGAAACCT.CTGCTTCCCGGGGTTCCAGTGATTCTTCT..TCCTGCTGGG.ATT  673
tig00008215:97877-137448(-)     CTGTCACCC.AGGCTGCGGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCCCGGG.TTCCAGTGATTCTTCG..GT.AGCTGGG.ATT   637
tig00008411:55544-94672( )      CTGTCACCC.AGGCTGCGGTGCGGTGGCTCTCTCGGCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTTCGGTAGCTGGG.ATT   677
tig00002380:40745-80433( )      CTGTCACCC.AGGCTGCGGTGCGGTGGCTCTC...GCTCACTGAAACCT.CTGCTTCCCGG..TTCCAGTGATTCTTCTTCGGTAGCTGGGGATT   651
tig00008411:176298-217104( )    CTGTCACCC.AGGCTGCAGTGCGGTGGCGCTCTCGGCTCACTGAAACCT.CTGCTTCGGGG..TTCCAGTGATTCTT....GGTAGCTGGGGATT   677
tig00008215:0-19898(-)          ..........................................................................................      0
tig00008216:0-21673(-)          ..........................................................................................      0
tig00008411:297618-338078( )    ATATAATTAAACAAAATAAAAATATTATTCCATCTTTTAAAGAACATTTACTAATTCACAGATATTACCCGAAGTTTAGAAAGTCACCTAAGAAC   723
consensus                       ctgtcaccc.aggctgcggtgcggtggc.ctctcggctcactgaaacct.ctgcttcccgg..ttccagtgattcttctt.ggtagctggg att
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ACAGGTGCGCACCATGACGGCCGG CTCATCGTTCTATTTTTAGTAGAG CGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC

tig00002380:159743-198526( )	ACAGGTGCGCACCATGACGGC....TCATCGTTCTATTTTTAGTAGAG.ACGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCAC....	772
tig00008411:134529-176298( )	ACAGGTGCGCACCATGACGGCCGG.CTCATCGTTCTATTTTTAGTAGAG.ACGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	763
tig00008216:94751-135048(-)	ACAGGTGCGCACCATGGCGGC.GG.CTCATCGTTCTATTTTTAGTAGAGGACGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	749
tig00002380:120727-159743( )	ACAGGTGCGCACCATGGCGGCCGG.CTCATCGTTCTATTTT.AGTAGAG.GCGGG.TTTCTCCACGTTG.CCACGCTGGTCTCGAACTCCTGACC	774
tig00008216:53978-94751(-)	ACAGGTGCGCACCATGGCGGCCGG.CTCATCGTTCTATTTTTAGTAGAG.ACGGG.TTTCTCCACGTTG...GCCATGGTCTCGAACTCCTGACC	757
tig00002380:1146-40745( )	ACAGGTGCGCACCATGGCCG...G.CTCATCGTTCTATTTT.AGTAGAG.GCAGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	760
tig00008411:94672-134529( )	ACAGGTGCGCACCATGACGGCCGG.CTCATCGTTCTATTTT.AGTAGAG.GCGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	760
tig00008411:217104-257759( )	ACAGGTGCGCACCATGACG.GCGG.CTCATCGTTCTATTTT.AGTAGAG.GCGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	706
tig00008411:257759-297618( )	ACAGGT.CGCACCATGACG.GCGG.CTCATCGTTCTATTTT.AGTAGAG.GCGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	762
tig00002380:80433-120727( )	ACAGGTGCGCACCATGACGGCGG..CTCATCGTTCTATTTT.AGTAGAG.ACGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	771
tig00008215:19898-58526(-)	ACAGGTGCGCACCATGACGGCCG..CTCATCGTTCTATTT..AGTAGAG.ACGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	765
tig00008215:58526-97877(-)	ACAGGTGCGCACCATGGC..CCG..CTCATCGTTCTATTTTTAGTAGAG.ACGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	757
tig00008216:21673-53978(-)	.........................GGCCGG.C...	72
tig00008411:14398-55544( )	ACAGGTGCGCACCATGACGGCCGG.CTCATCGTTCTATTTTTAGTAGAG.GCGGG.GTTCTCC.CGTTGGCCACGCTGGTCTCGAACTCCTGACC	765
tig00008215:97877-137448(-)	ACAGGTGCGCACCATGACGGCCGGGCTCATCGTTCTATTTTTAGTAGAC.....GG..TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	727
tig00008411:55544-94672( )	ACAGGTGCGCACCATGACGGCGG..CTCATCGTTCTATTTTTAGTAGAG.GCGGG.TTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	768
tig00002380:40745-80433( )	ACAGGTGCGCACCATGAC...CGG.CTCATCGTTCTATTTTTAGTAGGG..CAGGGTTTCTCCACGTTGGCCA...TGGTCTCGAACTCCTGACC	737
tig00008411:176298-217104( )	ACAGGT.CGCACCATGACGGCCGG.CTCATCGTTCTATTTTTAGTAGAGACAGGGGTTTCTCCACGTTGGCCACGCTGGTCTCGAACTCCTGACC	770
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	AATTGTTTAAAAATTATTTAGGGAAAATGAAGCAAAATTGTTGTTTCAATCTGAGATTTTAACA.....GCCA..GTGCACTCCTGTTCCTCAGC	811
consensus	acaggtgcgcaccatg.cggccgg ctcatcgttctatttt.agtagag .cggg.tttctccacgttggccacgctggtctcgaactcctgacc	

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ACAAATGATCCACCTTCCTGGG CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGC CCC GGGATTTCAGCCTTTAAA GCG GGCCCTGCC

tig00002380:159743-198526( )	....AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAG.CGACAGGCCTGAGCCG....GGATTTCAGCCTTTAA...GCG.GGCCCTGCC	853
tig00008411:134529-176298( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCCGCC.GGGATTTCAGCCTTTAAAGCGCG.GGGCCTACC	854
tig00008216:94751-135048(-)	ACAAATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCGCCG.GGATTTTCAGCCTTTAAAGCGCG.GGCCCTGCC	841
tig00002380:120727-159743( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCGC...GGGATTTCAGCCTTTAA...GCG.GGCCCTGCC	861
tig00008216:53978-94751(-)	ACA.AATGATC.ACCTTC.TGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCGC...GGG..TTCAGCCTTTAA...GCG.GGCCCTGCC	839
tig00002380:1146-40745( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAGCGACAGGCCTGAGCCGC...GGGATTTCAGCCTTTAAG.CGCG.GGCCCTGCC	849
tig00008411:94672-134529( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCCG...GGATTTCAGCCTTTAAA.GCG.GGCCCTGCC	846
tig00008411:217104-257759( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCAGCG.GGGATTTCAGCCTTTAAA..GCGCGGCCCCACC	796
tig00008411:257759-297618( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCGCC...GGGATTTCAGCCTTTAAA..GCG.GGCCCTGCC	849
tig00002380:80433-120727( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAG.GACAGGCCTGAGCCGCC.GAGATTTCAGCCTTTTAAA.GCC.GGGCCTGCC	860
tig00008215:19898-58526(-)	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGC...C.GGGATTTCAGCCTTTAAAG.CTG.GGCCCTGCC	852
tig00008215:58526-97877(-)	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGC.GCC.GGGATTTCAGCCTTTAAAG.CTG.GG.CCTGCC	845
tig00008216:21673-53978(-)	....	72
tig00008411:14398-55544( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAG...GC.GGGATTTCAGCCTAAAAGC.GCG.GGCCCTGCC	852
tig00008215:97877-137448(-)	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGC.AGC.GGGATTTCAGCCTTTAA.A.GCG.GGCCCTGCC	815
tig00008411:55544-94672( )	ACA.AATGATCCACCTTCCTGGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCAG....GATTTCAGCCTTTAA...GCGGGGCCCTGCC	855
tig00002380:40745-80433( )	ACA.AATGATC.ACCTTC.TGGG..CCTCCAAAGTGC...GAGCGACAGGC.TGAGCGC...GGGATTTCAGCCTTTAAGCGCG.GGCCCTGCC	819
tig00008411:176298-217104( )	ACA.AATGATCCACCTTCCTGGG.CCTCCCAAAGTGCTGGAAACGACAGGCCTGAGCAGCGGGGGATTTCAGCCTTTAAA..GCGGGGCCCTGCC	861
tig00008215:0-19898(-)	....	0
tig00008216:0-21673(-)	....	0
tig00008411:297618-338078( )	TGAAAGTCCCCTTCATTCTGAATGTCTGCAGTAGTATTGAATTGCGGGAGCAGTTAGGTTCCAGGGACATATTCACTCCTGTTTTGTTCTCCCATC	906
consensus	aca aatgatccaccttcctggg cctcccaaagtgctggaaacgacaggcctgagc... gggatttcagcctttaa. gcg ggccctgcc	

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logo    AcCTT..cGCTGCGGcCCTTA.CGCTcAGAATGAcGtGTcCTCTcTGccATAGGTTGAcTCCTTGAGTcCc.TAGGccATtGcactgTAGccTGGGc

tig00002380:159743-198526( )  ACCTTTCGCTGCGGCCCTT.CGCTCAGAATGACGTGTCCTCT..GCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  944
tig00008411:134529-176298( )  ACCTTTCGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCCCTAGGCCATTGCACTGTAGCCTGGGC  949
tig00008216:94751-135048(-)   ACCTT.CGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  934
tig00002380:120727-159743( )  ACCTT.CGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  954
tig00008216:53978-94751(-)    ACCTT.CGCTGCGGCCCTT.CGCTCAGAATG......TGTCTCTGC...AGGTTGACTCCTTG..TCC.TAGGCCATTGCACTGTAGCCTGGGC  920
tig00002380:1146-40745( )     .ACCTTCGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  942
tig00008411:94672-134529( )   TGCCGGCTGCGGCCCTTGCGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCCCTAGGCCATTGCACTGTAGCCTGGGC  939
tig00008411:217104-257759( )  ..ACCTTGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCCCTAGGCCATTGCACTGTAGCCTGGGC  891
tig00008411:257759-297618( )  ..ACCTTGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  941
tig00002380:80433-120727( )   ACCCG.CTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  951
tig00008215:19898-58526(-)    ACCT....TCGCTCGGCCTGCGCTCAGAATGACGTGTCCTCT..GCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  940
tig00008215:58526-97877(-)    ACCT....TGCGGCGCCG..GCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCCCTAGGCCATTGCACTGTAGCCTGGGC  933
tig00008216:21673-53978(-)    ...................................................................GAGTCCC..................  79
tig00008411:14398-55544( )    ACCTTTCGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATGGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  946
tig00008215:97877-137448(-)   ACCTTCGCTCGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  909
tig00008411:55544-94672( )    ACCTT.CGCTGCGGCCCTT.CGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGC  947
tig00002380:40745-80433( )    ACCTT.CGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCC.TAGGCCGT....ACATAGCCTGGG.  907
tig00008411:176298-217104( )  ACCTT.CGCTGCGGCCCTTACGCTCAGAATGACGTGTCCTCT..GCCATAGGTTGACTCCTTGAGTCCC.TAGGCCATTGCACTGTAGCCTGGGG  952
tig00008215:0-19898(-)        ...........................................................................................  0
tig00008216:0-21673(-)        ...........................................................................................  0
tig00008411:297618-338078( )  AATCTCAGCC.TTTCGGTGACTGTTTGGGCAAAGCCTCCCTTGTGGTAGAAGATGCCTC....ACTTCTGGGGAGAAGAGGCTCCTCATCTTGCA  996
consensus  acctt..gctgcggcccttacgctcagaatgacgtgtcctctctgccataggttgactccttgagtccc.taggccattgcactgtagcctgggc
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logo    AGCAAGAGCCAAACTCCGTCCCC.ACCTCCC.G.CAcATAATA...ACTAACTAACTAACTAACTAAACTAAAATCTCTACACGTCACCC.ATA

tig00002380:159743-198526( )  AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAG...CACATAATAACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1035
tig00008411:134529-176298( )  AGCAAGAGCCAAACTCCGTCCCC.ACCTCCC.G.CGCACA......ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1032
tig00008216:94751-135048(-)   AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAG...CACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1021
tig00002380:120727-159743( )  AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAG...CACATAATA..ACTAACTAACTAACTAACTAAAATCTCTACACGTCACCCATA  1040
tig00008216:53978-94751(-)    AGCAAGAGCCAAACTCCGTCCCC.ACCTCCC.G...CACATAATA..ACTAACTAACTAA........CTAAATCTCTAC..GTCACCCATA  995
tig00002380:1146-40745( )     AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAG..C...ATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1027
tig00008411:94672-134529( )   AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAGCGCACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTAC..GTCACCC.ATA  1026
tig00008411:217104-257759( )  AGCAAGGCCAAAACTCCGTCCCC.ACCTCCCAG...CACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTAC.CGTCACCC.ATA  977
tig00008411:257759-297618( )  AGCAAGAGCCAAACTCCGTCCCC.ACCTCCC.GCGCACATAATA..ACTAACTAACTAACTAACTAA....ATCTCTAC.CGTCACCC.ATA  1023
tig00002380:80433-120727( )   AGCAAGAGCCAAACTCCGTCCCT.CCCG....GCGCACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1036
tig00008215:19898-58526(-)    AGCAAGAGCCAAACTCCGTCCCC.ACC......TCCGCACATAATA..ACTAACTAACTAACTAACTAAA.TCTCTACACGTCACCCATA  1023
tig00008215:58526-97877(-)    AGCAAGAGCCAAACTCCGTCCCC.ACCTCCCAGCGCACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACA..TCACCC.ATA  1020
tig00008216:21673-53978(-)    ...........................................................................................  79
tig00008411:14398-55544( )    AGCAAGAGCCAAACTCCGTCCCC.ACCTCCGGCGCACATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1035
tig00008215:97877-137448(-)   AGCAAGAGCCAAACTCCGTCCCC.CACCTCCCGCACATAA........TAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  988
tig00008411:55544-94672( )    AGCAAGAGCCAAACTCCGTCCCCACCTCCCAG..C.CGCATAATA..ACTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1029
tig00002380:40745-80433( )    .GCAGG..CCAAACTCCGTCCCC.ACCTCCCAG..C.CGCATAATA...ACTAACTG......TAAATCTCTAC..GTCACCC.ATA  975
tig00008411:176298-217104( )  CAGCAGAGCCAAACTCCGTCCCC.ACCTCTCCG..CACATAA.......CTAACTAACTAACTAACTAACTAAAATCTCTACACGTCACCC.ATA  1036
tig00008215:0-19898(-)        ...........................................................................................  0
tig00008216:0-21673(-)        ...........................................................................................  0
tig00008411:297618-338078( )  GACAAGAAGCAG....CACCCACTGGTTCTTGCTCCAAA................AGCCATTAACATTATAAACTGGCCAGGTGCGGTGGCTCA  1070
consensus  agcaagagccaaactccgtcccc.acctccc.g.cacataata...actaactaactaactaactaactaaaatctctac..gtcaccc.ata
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logo   AGTGTGTGTTCCcGTGAG...GTGATTTCTAAGAAATGGTACTGTACACTGAcCGCAGTGGCTCACGTCTGTCATCCC GAGGTCAGGAGTTCcGAG

tig00002380:159743-198526( )   AGTGTGTGTTCCCGTGAG...TGATTTCTAAGAAATGGTACTGTACACTGA..GCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1124
tig00008411:134529-176298( )   AGTGTGTGTTCCCGTGAGA.GTGATTTCTAAGAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1125
tig00008216:94751-135048(-)    AGTGTGTGTTCC.GTGAGA.GTGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1112
tig00002380:120727-159743( )   AGTGTGTGTTCCCGTGAGA.GTGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1132
tig00008216:53978-94751(-)     AGTGTGTGTTCCCGTGAG..GTGATTTCTGAAA.....TGCTGTACACTGAACGCAGTGGCTC.CGTCTATCATCCC.GAGGTCAGG.GTTCGAG   1080
tig00002380:1146-40745( )      AGTGTGTGTTCCCGTGAGA.GTGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1119
tig00008411:94672-134529( )    AGTGTGTGTTCC.GTGAG..TGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1115
tig00008411:217104-257759( )   AGTGTGTGTTCCCGTGAGG..TGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1069
tig00008411:257759-297618( )   AGTGTGTGTTCC.GTGAGGAGTGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.G.GGTCAGGAGTTCGAG   1114
tig00002380:80433-120727( )    AGTGTGTGTTCC.GTGAGT...GATTTCTAAGAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1126
tig00008215:19898-58526(-)     AGTGTGTGTTCCCGTGAGT...GATTTCTAAGAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCCCGAGGTCAGGAGTTCGAG   1115
tig00008215:58526-97877(-)     AGTGTGTGTCCC.GTGAG...GATTTCTAAGAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1109
tig00008216:21673-53978(-)     ...............................................................................................   79
tig00008411:14398-55544( )     AGTGTGTGTTCC.GTGAGGAGTGATTTCTAA.AAATGGTACTGTACACTGAGCGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1127
tig00008215:97877-137448(-)    AGTGTGTGTTCCCGTGAGGAGTGATTTCTAAGAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1082
tig00008411:55544-94672( )     AGTGTGTGTTCC.GTGAGA.GTGATTTCTAAGAAATGGTACTGTACACTGAGCGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1121
tig00002380:40745-80433( )     AGTGTGTGTTCCCGTGAGG..TGATTTCT..GAAATGGTACTGTACACTGAACGCAGTGGCTCACGTCTGTCATCCC.GAGGTCAGG.GTTCGAG   1064
tig00008411:176298-217104( )   AGTGTGTGTTCCCGTGAGGAGTGATTTCTAAGAAATGG..CTGTACACTGAGCGCAGTGGCTC.CGTCTGTCATCCC.GAGGTCAGGAGTTCGAG   1127
tig00008215:0-19898(-)         ...............................................................................................   0
tig00008216:0-21673(-)         ...............................................................................................   0
tig00008411:297618-338078( )   AACTTGTAATCCCA......GCACCTTTTGGGAGGT...........TGAG.GCAGAAGGAT.........TGCTTGAGCCCAGGAGTTTGAG   1136
consensus   agtgtgtgttcc.gtgag...tgatttctaagaaatggtactgtacactga.cgcagtggctc.cgtctgtcatccc gaggtcaggagttcgag


logo   ACCAGCCCcGGCCAaCGTGGTGAAACCCcGTCTCTACTgAAA...TAcGAAATGGAGTcAGGcGc.GTGGGgCAGGCACCTGTAACCCcAGCTAC

tig00002380:159743-198526( )   ACCAGCCCCGGCCAACGTGGTGAAACCC.GTCTCTACTGAAAA...TACGAAATGGAGTCAGGCGT....GGGCAGGCACCTGTAACCCCAGCTAC   1212
tig00008411:134529-176298( )   ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAAA...TACGAAATGGAGTCAGGCGCCGTGGGGCAGGCACCTGTAACCCCAGCTAC   1217
tig00008216:94751-135048(-)    ACCAGCCC.GGCCAGCGTGGTGAAACCCCGTCTCTACTGAAA...TACGAAATGGAGTCAGGCGT...GGGCAGGCACCTGTAACCC.AGCTAC   1199
tig00002380:120727-159743( )   ACCAGCCC.GGCCAGCGTGGTGAAACCC.GTCTCTACTGAAA...TACGAAATGGAGTCAGGCGC.GT.CAGGCACCTGTAACCCCAGCTAC   1220
tig00008216:53978-94751(-)     ACCAGCCC.GGCCAGCGTGGTGAAACCC.GTCTCTACTGAAA...TACGAAATGG.GTCAGGCGCCGTGGGCAGGCACCTGTAACCCCAGCTAC   1169
tig00002380:1146-40745( )      ACCAGCCC.GGCCAGCGTGGTGAAACCC.GTCTCTACTGAAA...TACGAAATGG.GTCAGGCGCG..TGGGCAGGCACCTGTAACCC.AGCTAC   1205
tig00008411:94672-134529( )    ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAA...TACGAAATGGAGTCAGG...C.GTGGGCAGGCACCTGTAACCCCAGCTAC   1202
tig00008411:217104-257759( )   ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAAA...TACGAAATGGAGTCAGG..CCGTGGGGCAGGCACCTGTAACCCCAGCTAC   1159
tig00008411:257759-297618( )   ACCAGCCC.GGCCAGCGTGGTGAAACCC.GTCTCTACTGAAATA.CGAGAAATGGAGTCAGGG.CCGTGGG.CAGGCACCTGTAACCCCAGCTAC   1204
tig00002380:80433-120727( )    ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAA...TACGAAATGGAGTCAGGCGTG.GGG.CAGGCACCTGTAACCC.AGCTAC   1214
tig00008215:19898-58526(-)     ACCAGCCC.G.CCAACGTGGTGAAACCCCGTCTCTACTGAAA...TAC..AATGGAGTCAGGCGTGTGG..CAGGCACCTGTAACCCCAGCTAC   1201
tig00008215:58526-97877(-)     ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAAA...TACGAAATGGAGTCAGGCGTG..GG..CAGGCACCTGTAACCCCAGCTAC   1197
tig00008216:21673-53978(-)     GTCTCGACTAAAAT..ACAAAGATG.AGTGGGAGGCGGTGGGCCGGCC..CTGTGTCCC.AGCTCC   139
tig00008411:14398-55544( )     ACCAGCCC.GCCAAC.......GTGCCCGTCTCTACTGAAA..TCTGAAATGGAGTCAGGCGCCGTGGGCAGGCACCTGTAACCC.AGCTAC   1210
tig00008215:97877-137448(-)    ACCAGCCC.GGCCAACGTGGTGAAACCCCGTCTCTACTGAAAT..AC..GAATGGAGTCAGGCGCCGTGGG.CAGGCACCTGTAACCCCAGCTAC   1171
tig00008411:55544-94672( )     ACCAGCCC.GGCCAACGTGGTGAAACCC.GTCTCTACTGAAA...TACGAAATGGAGTCAGGCGT...GGGGCAGGCACCTGTAACCCCAGCTAC   1210
tig00002380:40745-80433( )     ACCAGCC..GGCCAACGTGGTGAAACCCCGTCTCTACTGAAA...TACGAAATGGAGTCAGG..CCGTGGGCAGGCACCTGTAACCCCAGCTAC   1152
tig00008411:176298-217104( )   ACCAGCCC.GGCCAACGTGGTGAAACCC.GTCTCTACTGAAA...TACGAAATGGAGTCAGGCGC.GTGGGGCAGGCACCTGTAACCCCAGCTAC   1216
tig00008215:0-19898(-)         ...............................................................................................   0
tig00008216:0-21673(-)         ...............................................................................................   0
tig00008411:297618-338078( )   TACAGCCTTGGC.AACAAAGTGAGACCCAATCTCTACAAAAACTAGAGAAAAATAGCTGGGTGTGGTGG..CACTCACCTGTA.........C   1218
consensus   accagccc.ggccaacgtggtgaaaccc.gtctctactgaaa...tacgaaatggagtcaggcg....ggg.caggcacctgtaaccccagctac
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Block 1

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logo         TcGGGAGGcTGGG.TGGaAgaAtTGcTTGAACCTgGCaggCggAGGCTGCAGTGAcccAAGATCgCaCCaCTGCACTacAGCcTGGG_cGACA

tig00002380:159743-198526( )  TCGGGAGGCTGGG.TGGAAGAAT.GCTTGAACCTGGCAGGCGGAG.CTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1301
tig00008411:134529-176298( )  TCGGGAGGCTGGGGTGGAAGAAT.ACTTGAACCTGGCAGGCGGAGGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1308
tig00008216:94751-135048(-)   TCGGGAGGCTGGGGTGGAAGAATTGCTTGAACCTGGCAGGCGGAGGCTGCAGTGAC...AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1289
tig00002380:120727-159743( )  TCGGGAGGCTGGG.TGGAAGAAT.GCTTGAACCTGGCAGGCGGAGGCTGCAGTGACC..AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1309
tig00008216:53978-94751(-)    TCGGGAGGCTGGGGTGGAAGAAT.GCTTGAACCTGGCAGGCG..GGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1258
tig00002380:1146-40745( )     TCGGGAGGCTGGG.TGGAAGAAT.GCTTGAACCTGGCAGGCGGAGGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1295
tig00008411:94672-134529( )   TCGGGAGGCTGGG.TGGAAGAATTGCTTGAACCTGGCAGGCGGAGGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1293
tig00008411:217104-257759( )  TCGGGAGGCTGGG.GTGGAAGAATGCTTGAACCTGGCAGG...GGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGGGGCGACA  1248
tig00008411:257759-297618( )  TCGGGAGGCTGGG.TGGAAGAATTGCTTGAACCTGGCAGG...GGCTGCAGTGACCCCAAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1293
tig00002380:80433-120727( )   TCGGGAGGCTGGG..GTGGAAGTGCTTGAACCTGGCAGGCG.GGCTGCAGTGACCCCAAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1303
tig00008215:19898-58526(-)    TCGGGAGGCTGGGT.GGAAGAATTGCTTGAACCTGGCAGGCGGAGGCTGCAGTGACCCCAAGATCGCACCACTGCACTACAGCCTGGG..C...A  1290
tig00008215:58526-97877(-)    TCGGGAGGCTGGGGTGGAAGAATTGCTTGAACCTGGCAGGCA..GGCTGCAGTGACCC.AAGATCGCACCACTGCACTG.....TGGG..CGACA  1282
tig00008216:21673-53978(-)    TGGGAGGCTGGTG......AGAATC.............................GCTTGAA..CCAGG  170
tig00008411:14398-55544( )    TCGGGGGCTGGGT..GGAAGAATGA....ACCCTGGCAGTGGAGGCTGCAGTGAC...AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1294
tig00008215:97877-137448(-)   TCGGGAGGCTGGGT..GGAAGATGCTTGAACCTGGCAGGCGGAGGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1261
tig00008411:55544-94672( )    TCGGGAGGCTGGG..TGGAAGAATTGCTTGAACCTGGCAGGCGGAGGCTGCAGTGACCC.AAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1301
tig00008411:176298-217104( )  TCGGGAGGCTGGGGTGGAAGAATTGCTTGAACCAGGCGGA.....GCTGCAGTGACCCCAAGATCGCACCACTGCACTACAGCCTGGG..CGACA  1304
tig00008215:0-19898(-)        ...............................................................................................  0
tig00008216:0-21673(-)        ...............................................................................................  0
tig00008411:297618-338078( )  TAAGGAGGCTGGACTGGGAGGATCTCTTGAGCCCAGGTGGTTGAGGCTGCAGTGAGCC.AAGATCACGCCTCTGCACTTGAGCTTGGG..TGACA  1310
consensus    tcgggaggctggg.tggaagaattgcttgaacctggcaggcg.aggctgcagtgaccc aagatcgcaccactgcactacagcctggg.cgaca
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Block 2

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logo         GAGTGAGACc__GGTCTCCAGATAaATs_T_cATAAA_TAAATaCaCa__CATAcATAcATacATAcATACATACA_TACATAcATA

tig00002380:159743-198526( )  GAGTGAGACC.AGGTCTCCAGATAAATACG.TACATAAA.TAAATACACA....CA..TACATACATACATATACATACA...TACATACATATA  1384
tig00008411:134529-176298( )  GAGTGAGACC..GGTCTC.AGATAAATCAT.TGCATAAA.TAAATACACA....TA..CATACATACATACATACATACA...TACATACATA..  1387
tig00008216:94751-135048(-)   GAGTGAGACC..AGTCTCCAGATAAATCG.TACATAAA.TAAATACACA....CACATACATACACATACATACATACA...TACATACATA..  1371
tig00002380:120727-159743( )  GAGTGAGACC..AGTCTCCAGATAAAT.CG.TACATAAA.TAAATACACA....CATACATACATACATACATACATACA...TACATACATA..  1390
tig00008216:53978-94751(-)    GAGTGAGACC..AGTCTC.AGATAAATACG.TACATAAAATAAATACACA....CATACATACATACATACATACATACA...TACATACAGA..  1340
tig00002380:1146-40745( )     GAGTGAGACC.AGGTCTCCAGATAAAT.CA.TACATAAA.TAAATACACA....CATACATACATACATACATACATACA...TACATACATA..  1377
tig00008411:94672-134529( )   GAGTGAGACC..GGTCTCCAGATAAATCG.TACATAAA.TAAATACACA....CATACATACATACATACATACATACA...TACATACATA..  1374
tig00008411:217104-257759( )  GAGTGAGACC..GGTCTCCAGATAAATCGA.TACATAAA.TAAATACACATA.CATACATACATACATACATACATACAGCATACATACATA..  1335
tig00008411:257759-297618( )  GAGTGAGACC..AGTCTCCAGATAAA....TACATCA.TAAATACAT.....CATACATACATACATACATACATACA...TACATACATA..  1371
tig00002380:80433-120727( )   GAGTGAGACCCCGGTCTCCAGATAAATCG..TGCATAAA.TAAATACACACATACATACATACATACATACATACATACA...TACATACATA..  1390
tig00008215:19898-58526(-)    GAGTGAGACCCCG.TCTCCAGATA..TCA.TACATAAA.TAA.ACACACATACATACATACATACATACATACATACA...TACATACATA..  1372
tig00008215:58526-97877(-)    GAGTGAGAC..CGGTCTCCAGATAAATCG..TGCATAAA.TAA.........AATACACATACATACA...TACATACATA..  1346
tig00008216:21673-53978(-)    AAGCGAGGC..T....TC.AGGGAG.  188
tig00008411:14398-55544( )    GAGTGAGAC..CGATCTC.AGATAAATCACATACACCAT.CAT.........ACACACATACATACATACATACA...TACATACACA.  1366
tig00008215:97877-137448(-)   GAGTGAGAC..CGGTCTCCAGATAAATACATTACATAAA.TAA.......ATACACATACATACATACATACA...TACATACATA..  1334
tig00008411:55544-94672( )    GAGTGAGACC..AGTCTCCAGATAAATCG..TACATAAA.TAAATACACA....CATACATACATACATACATACA...TACATACATA..  1382
tig00002380:40745-80433( )    GAGTGAGACC..GGTCTCCAGATAAAT...CATAAA.TAAATACACACATA.CATACATACATACATACATACA...TACATACATA..  1323
tig00008411:176298-217104( )  GAGTGAGACC..CGGTCTCCAGATAAATCACATGCATAAA.TAAATACACATA.CATACATACATACATACATACA...TACATACATA..  1393
tig00008215:0-19898(-)        ...............................................................................................  0
tig00008216:0-21673(-)        ...............................................................................................  0
tig00008411:297618-338078( )  GAGTAAGACC.CTATCTCAAAAAATAAAT....TATAAACTGA.TTCACAATAACTTTGGTTTTGTCACTAATACGCTGA...ATATTTTTGT.  1394
consensus    gagtgagacc..gtctccagataaat...t.cataaa taaatacaca ...ca.acatacatacatacatacataca.tacatacata
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logo

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                                                                                                                      1453
tig00002380:159743-198526( )  CAGATATACAA.GAAAGAA..AAGAAAGAAA.............................TGTTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1453
tig00008411:134529-176298( )  CAGATATACAA.GAAGAAA..AAGAAAAGAAAAAT...GAGAAAAGGCACTGTATTGCTACTGGGCTGGGGCCTTCTCT..CTGTCTGTTTCTCT   1474
tig00008216:94751-135048(-)   CAGATATACAAGAAGAAA..AAGAAAGAGAGAAA.TGAAAGAAAGGCACTGTATTGCTACTGGGCT.GGGCCTTCTCT..CT.TTGTCTCTCT   1459
tig00002380:120727-159743( )  CAGATATACAAGAAGAAA..AAGAAAGAAAGAAA.GAAATGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1480
tig00008216:53978-94751(-)    TATACAAGAAGAAAAAGAA..AAGAAAGAAAATGAAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1431
tig00002380:1146-40745( )     CAGATATACAAGAAGAAAAGAAAAGAAAGAAA.TGAAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1469
tig00008411:94672-134529( )   CAGATA.TACAAGAAAGAA..AAGAAAGAAAA.TGAAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1463
tig00008411:217104-257759( )  CAGATAGCAAAAGAAAAGA..AAA.TGAAAGAAACGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1424
tig00008411:257759-297618( )  AAGACA........AAGA.AAGAAAGAGA..AA.TGAAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCTGTCTGTCTCTGT   1452
tig00002380:80433-120727( )   CATACAGAT.ATACAAGAA.GAAAGAAAGAAAGAAAGAAGAAAGGCACTGTATTGCTAGA.....AGGGCCTTCT....CTGTCTGTTTCTCT   1474
tig00008215:19898-58526(-)    CAGATATAC.AAGAAGAA.AGAAAGAAAGAAGAAATGAAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCT....CTGTCTGTTTCTCT   1461
tig00008215:58526-97877(-)    CAT.............................GGCACTATATTGCTGGG...CTAAGACCT......CTGTCTGTTTCTCT   1389
tig00008216:21673-53978(-)    .................................................................................   188
tig00008411:14398-55544( )    GATATACAAGAAAGAAAA.GAAAAAGAAAAGAAATGAAAGAAAGAGCACTGTATTGCTACTGGGCTGGGGCCTTCTCT..CTGTCTGTTTCTCT   1458
tig00008215:97877-137448(-)   CAGATATA..CAAGAAAGA.AAAGAAAGAAGAAAATGAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1424
tig00008411:55544-94672( )    CAGATATACAAGAAAGAAAGAAAGAAAAAGAAA................TCTGTATTATCT.........GCTCTCCTCT..CTGTCTGTC.CTGT   1450
tig00002380:40745-80433( )    CAGATATACAAGAAAGAAAAAGAAAGAAAGAAAATGAAGAAAGGCACTGTATTGCTACTGGGCTAGGGCCTTCTCT..CTGTCTGTTTCTCT   1416
tig00008411:176298-217104( )  CAGATATACAAAGAAAGAA..AAGAAAGAAAGAAA.....GAAAGGCACTGTATT.CTACT......GGCCTTCTCTG..TTTCTCTGTCTTT   1470
tig00008215:0-19898(-)        .................................................................................   0
tig00008216:0-21673(-)        .................................................................................   0
tig00008411:297618-338078( )  TACAACTAATATGCAAAATACAAACTGGCTATCAC...........TACCATTCTGATAATGGAATTAGCTCTCCTGCA..TACCTGATGACCT   1475
consensus                     cagata.a..a...a..aa..aa.aaa.a.a..aa......a..aaaggcactgtattgctactgggct.gggccttctct..ctgtctgtttctct
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tig00002380:159743-198526( )  C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT.....TTCTTTCTTTCTGTCTC   1534
tig00008411:134529-176298( )  C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTCGTCT.CTGTCTGTC.TGTCTGTCTTTCTTTCTTCTTTCTTTCTGTCCC   1564
tig00008216:94751-135048(-)   G.T.TCTGTCTCTGTCTTTCTCTGTCT.GTGTCTCTTT.CTCTGTCTGT....CTCTCTC.TGTCTGTCTCT...TTCTCTCTCTTTCTGTCTC   1543
tig00002380:120727-159743( )  C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT...TTCTTTCTTTCTGTCTC   1561
tig00008216:53978-94751(-)    C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGT.TGT....CTCT..TTC.TTTCTTTCTGTCTC   1508
tig00002380:1146-40745( )     C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT...TTC.TTTCTTTCTGTCTC   1550
tig00008411:94672-134529( )   C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTGT........CTTTCTTTCTTTCTC   1542
tig00008411:217104-257759( )  C.TGTTCGTCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCT.T.......CTCTTTCTTTCTTC   1502
tig00008411:257759-297618( )  C.TGTTCATCTCTGTCTTTCTCT..CTGTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.T......CTTT.......CTTTCTTTCTGTCTC   1525
tig00002380:80433-120727( )   C.TGTTCGTCTCTCTGTCTTTCT.CTCGTGTCTCTTTTCTCTGTCTGT....CTGTCT.GT.TGTCTGTCTCT....TTCTTTCTTTCTGTCTC   1556
tig00008215:19898-58526(-)    C.TGTTCGTCTCTGTCTTTCTCT.CT.GTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT....TTCTTT.CTTTCTGTCTC   1542
tig00008215:58526-97877(-)    C...ATTCGTCTCTGTCTTTCTCT.CT...GTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTGT.....CTCTTTCTTTTCTGTCTC   1468
tig00008216:21673-53978(-)    .................................................................................   188
tig00008411:14398-55544( )    C.TGTTCGTCTCTGTCTTTCTCT.CT.GTGTCTCTTT.CTCTGTCTGT....CTGTCTGTCCTGTCTGTCTCT....TTCTTT.CCTTCTGTCTT   1540
tig00008215:97877-137448(-)   C.TGTTCGTCTCTGTCTTTCTCT.CT.GTGTCTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT....TTCTTT.CTTTCTGTCTC   1505
tig00008411:55544-94672( )    C.TGTCTGTCTCTTCTTTCTCT...CTGTCTTGT.CCCTCTGT....CTGTCTG..TGTCTGTCTTC....TATCTTACTCTCTGTCTC   1528
tig00002380:40745-80433( )    C.TGTTCGTCTCTGTCTTTCTCT...CTGTGTCTTT.CTCTGTCTGT....CTGTCTGTC.TGTCTGTCTCT....TTCTTTCTTTCTGTCTC   1495
tig00008411:176298-217104( )  C.TGTC..TCTCTGTCTCGTGTCGTGTCTCTTTCT.TTCTGTCTCTCGTCTT.TGTCTGTC...TCTGTCTCT....TCTCTCTTTCTGTCTC   1552
tig00008215:0-19898(-)        .................................................................................   0
tig00008216:0-21673(-)        .................................................................................   0
tig00008411:297618-338078( )  AATGCTTAACCTAATCTTCCTCT....TTCCACTTTGATTTGGAAAC.......TTGTTACAATAGAGTTC....TTTACCTCAAAGTCTT   1551
consensus                     c.tgttcgtctctgtctttctct..gtgtctcttt.ctctgtctgt....ctgtctgtc.tgtctgtct.t.......tt.ctttctgtctc
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Label	Sequence	Pos
tig00002380:159743-198526( )	TGTCTTGT......CCCTCTCTCTCCTCTC...TGCCTGTCT...CCTGTGTCTGTCT...TCT.ATCTTACT......CTCTTTCTCTC	1603
tig00008411:134529-176298( )	TGTCTTTGTGTCCTGTCTTTCTCTCTCTGTCCTC...TGTCTGTCTG.TCCTCTTTCTTTCTGTCTCT.GTCTCTCTGTCTATCTCTTTCTTC	1654
tig00008216:94751-135048(-)	TGTCTTTGT.......CTCCTGTCTCTCTCTCCTC...TGCCTGTCT...CTTTCTCTGTCT...TCT.GTCTTTCT.....TTCTGTGTCTC	1614
tig00002380:120727-159743( )	TGTCTTTTG......TCCCTCTCTC.CCTCTC...TGCCTGTCT.CACTGTGTCTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1631
tig00008216:53978-94751(-)	TGTCTTTGT.......CCTCTCTC.CCTCTC...TGCCTGTCT.CACTGTGTCTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1578
tig00002380:1146-40745( )	TGTCTTTGT......CCCTCTCTCTCTCCTCTC...TCCTGTCTG.TCTTCTTCCTCTCTTTCTCGTCTGTCT...CTCTCTCCTCT	1625
tig00008411:94672-134529( )	TGTCTTTGT......CCCTCTCTCTCCTCT...GTCCTGTCT...TCTCTTTCTGTCT...TCT......CT.....CTCTCTCCTC	1608
tig00008411:217104-257759( )	TGTCTCT......CTGTCCCTCTCTCCTCTC...TGCCTGTCTCACTGTGTCTCTGTCC...TCT.ATCTTACT.....CTCTTTCTCTC	1577
tig00008411:257759-297618( )	TGTCTTTGT......CCCTCTCTCCTCCCTCTC...TGCCTGTCTCA.CTGTGTCTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1599
tig00002380:80433-120727( )	TGTCTTTGT......CCCTCTCTCTCCCTCTG...CCTGTCTC.ACTGTGTCTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1627
tig00008215:19898-58526(-)	TGTCTTTGT......CCCTCTCTCTCCCTCT..G...CCTGTCTC.ACTGTCTGTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1611
tig00008215:58526-97877(-)	TGTCTTTGT......CCCTCTCTC...CTCT......CCTGTCTC.ACTGTCC.TGTCT...C.....TTCACT.....CTCTTTCTCCC	1528
tig00008216:21673-53978(-)		188
tig00008411:14398-55544( )	TCTCTCTCT.....CCTGTCCTTTCCTCTCTTTCTGTCCTTTCTCTA.TCTGTCTCTTTCT...CTG.TCCTTCCT......CTCTATCTCC	1617
tig00008215:97877-137448(-)	TGTCTTTGT......CCCTCTCTCCCTCTGCCTG......TCTC.ACTGTCTGTGTCT...TCT.ATCTTACT.....CTCTTTCTCTC	1572
tig00008411:55544-94672( )	TGTCTGTCT......CTCTCTCTCCCTCCCTGT......CTGTTTCTCTCT......CTCTCTCTT	1578
tig00002380:40745-80433( )	TGTCTTTGT......CCCTCTCTGTCCTTCCTCTC...CCTCTC...CTGTCTGTTCT......CTTTCTG......TCTCTTCCT	1560
tig00008411:176298-217104( )	TGTCTCTCT......CTGTCTGTCTCTTTCTGTCT......CTGTCTC..CTGTCTCTGTCTT..TCCTCTCTGTCTT...TCTCTGTCTCT	1627
tig00008215:0-19898(-)		0
tig00008216:0-21673(-)		0
tig00008411:297618-338078( )	AAGGAATTC.....AAGACAAGACTAGAGTATGTTAAGATACCACAAAAAAATGTACATAGCAAGAGCTTTCTTGAGTAAGCAAATTTTATACAT	1641
consensus	tgtctttgt.........c.ctctc.c..............ct.tct...ctgt.tct.tct...tct...ct..ct......ctct.tctc.c	

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Label	Sequence	Pos
tig00002380:159743-198526( )	CCGTC..TGTCT......CTCTGTCTCCCCTCC.........................CTGTCT	1634
tig00008411:134529-176298( )	CTGTC..TGTCTGTCTCTCCTCTCCCTCCCTTTCTGCTCTCTCTCTCTGTCTCTGTCCTCTCTTTCTGTCTGTTTCTCACTGTCTCTGTCTGTCT	1747
tig00008216:94751-135048(-)	.TGTC..TGTCT.......CTCTCTCCTCTGTCC.........................TGTCT	1643
tig00002380:120727-159743( )	CCGTC..TGTCT......CTCTCTCTCC.TCCC.........................TGTCT	1662
tig00008216:53978-94751(-)	CCGTC..TGTCT......CTCTCTCACTCCCTCCC.........................TGTCT	1610
tig00002380:1146-40745( )	CTGTC..TGTTCTGT.CTCTCTCTCTTTCTTTCTG.........................TGTCT	1665
tig00008411:94672-134529( )	CC.....TGTCT.....GTTTCTCTCTCTCT.........................TCTCT	1634
tig00008411:217104-257759( )	TCATCTGTGTCT.....CTGTCTCTCTCTCTGTCCA.........................TCTTCT	1614
tig00008411:257759-297618( )	CC.....GTCT......GTCTCTCTCTCCTCCCC.........................TCCCT	1626
tig00002380:80433-120727( )	CCGTC..TGTCC......TCCCTCATTCCTCTC.........................TGTCT	1658
tig00008215:19898-58526(-)	C.GTC..TGTCT......TCTCTCACTCCTC.C.........................TGTCT	1639
tig00008215:58526-97877(-)	..GTC..TGTC......TCTCTC....CTCCC.........................TGTCT	1551
tig00008216:21673-53978(-)		188
tig00008411:14398-55544( )	TCCTT..TCTCT.....GTCTCTCCTCCTCCCT.........................CCTTT	1648
tig00008215:97877-137448(-)	CCGTC..TGTCT......CTCTCTCCTCCCTCCC.........................TGTCT	1603
tig00008411:55544-94672( )	CTGTC..TCTCT.....CTTTCTCTGTCTGCC.........................TCTCT	1608
tig00002380:40745-80433( )	CTGTC.......CTGTCTCTTTCTTTC.........................TCT	1583
tig00008411:176298-217104( )	CTCTTTCTGTGT.....CTCTCTGTCTGTCTCTCTCC.........................TTCCT	1666
tig00008215:0-19898(-)		0
tig00008216:0-21673(-)		0
tig00008411:297618-338078( )	ATAAAAATAATTT....ACATGCAAATGACTAAGAGGAAATG.........................TTAAGT	1685
consensus	c..tc.tgtct.........ctctc.ct..ct..c.........................t.tct	

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Sequence	Start
tig00002380:159743-198526( )	1693
tig00008411:134529-176298( )	1841
tig00008216:94751-135048(-)	1699
tig00002380:120727-159743( )	1718
tig00008216:53978-94751(-)	1664
tig00002380:1146-40745( )	1720
tig00008411:94672-134529( )	1679
tig00008411:217104-257759( )	1667
tig00008411:257759-297618( )	1664
tig00002380:80433-120727( )	1711
tig00008215:19898-58526(-)	1689
tig00008215:58526-97877(-)	1597
tig00008216:21673-53978(-)	188
tig00008411:14398-55544( )	1708
tig00008215:97877-137448(-)	1662
tig00008411:55544-94672( )	1667
tig00002380:40745-80433( )	1631
tig00008411:176298-217104( )	1724
tig00008215:0-19898(-)	0
tig00008216:0-21673(-)	0
tig00008411:297618-338078( )	1746

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Sequence	End
tig00002380:159743-198526( )	1768
tig00008411:134529-176298( )	1936
tig00008216:94751-135048(-)	1777
tig00002380:120727-159743( )	1786
tig00008216:53978-94751(-)	1742
tig00002380:1146-40745( )	1797
tig00008411:94672-134529( )	1742
tig00008411:217104-257759( )	1746
tig00008411:257759-297618( )	1727
tig00002380:80433-120727( )	1781
tig00008215:19898-58526(-)	1735
tig00008215:58526-97877(-)	1645
tig00008216:21673-53978(-)	188
tig00008411:14398-55544( )	1780
tig00008215:97877-137448(-)	1723
tig00008411:55544-94672( )	1740
tig00002380:40745-80433( )	1668
tig00008411:176298-217104( )	1791
tig00008215:0-19898(-)	0
tig00008216:0-21673(-)	0
tig00008411:297618-338078( )	1828

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