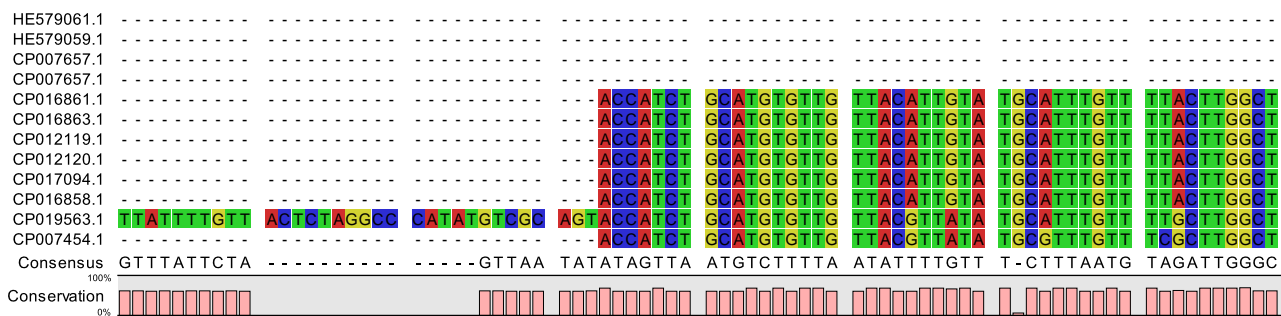
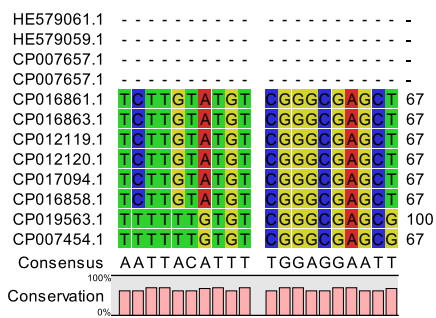
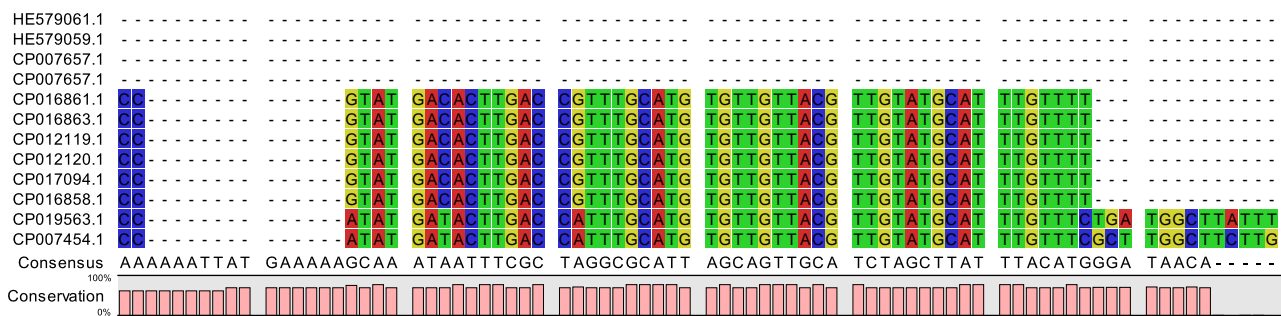


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HE579071.1	-----	-----	-----	-
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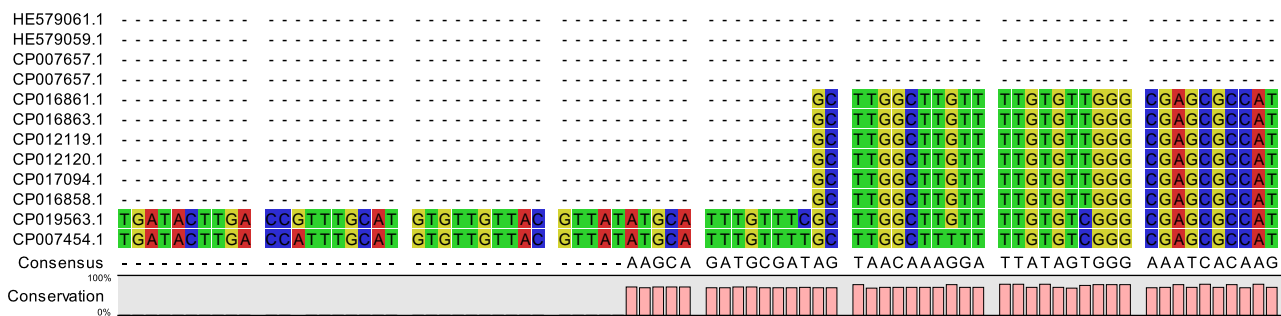


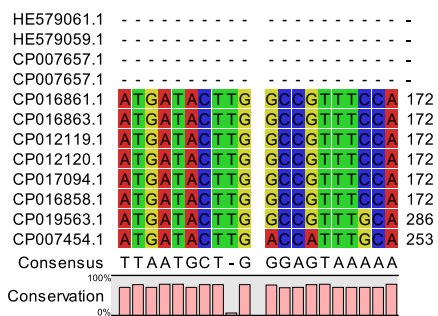
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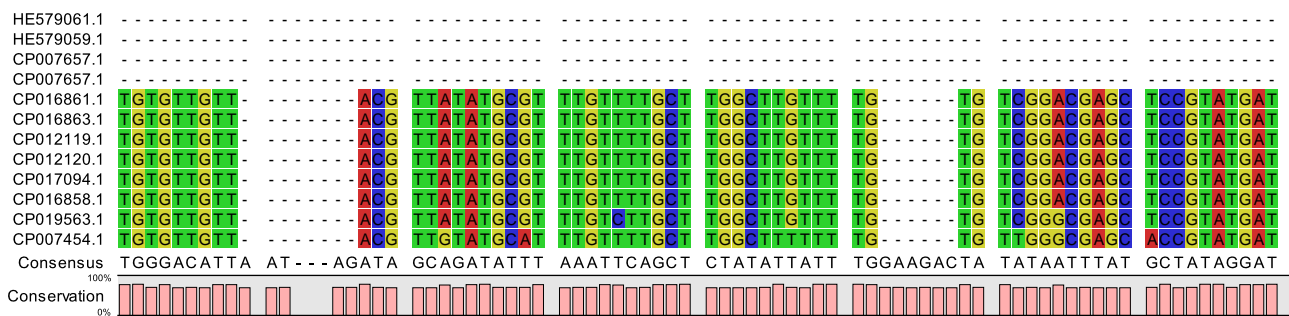
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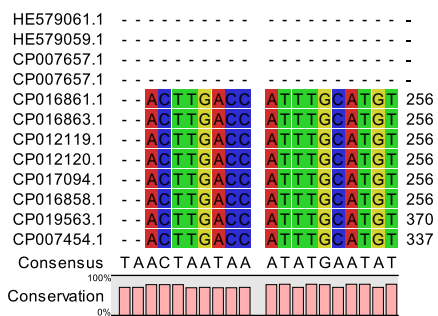




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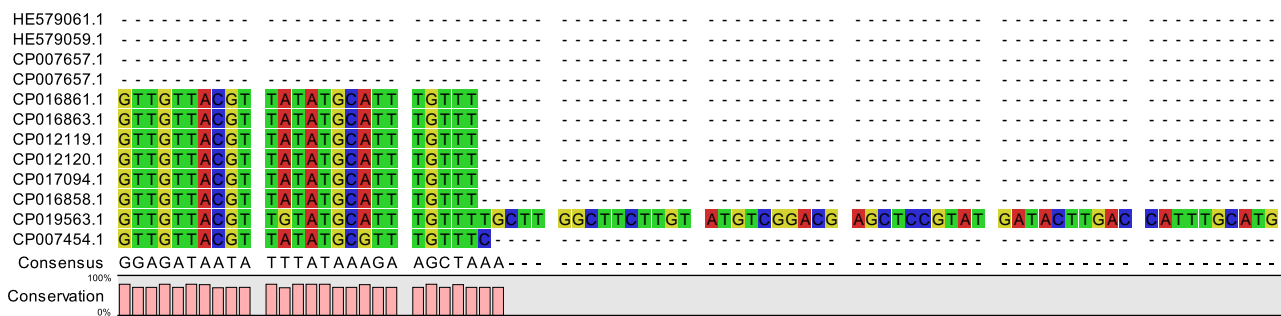
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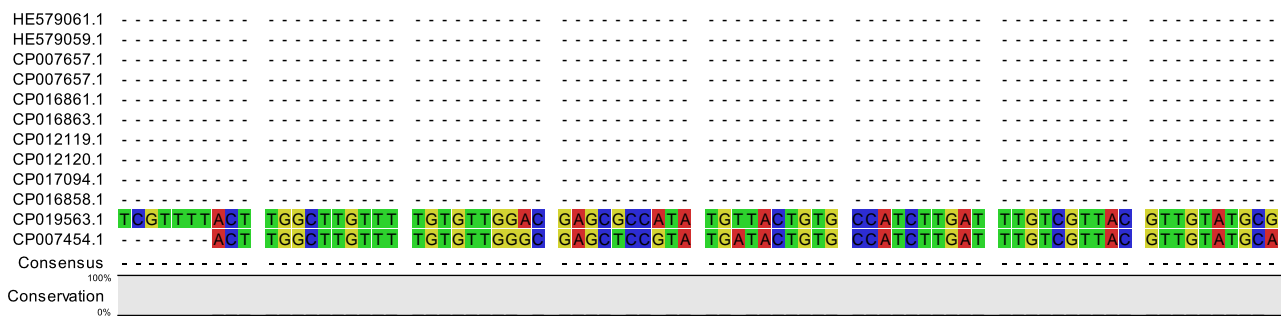
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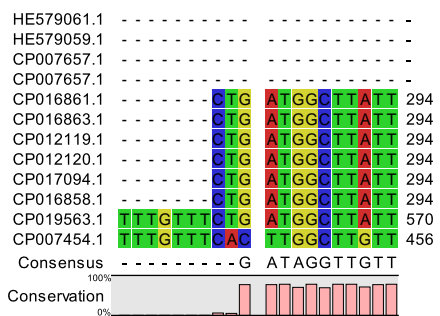
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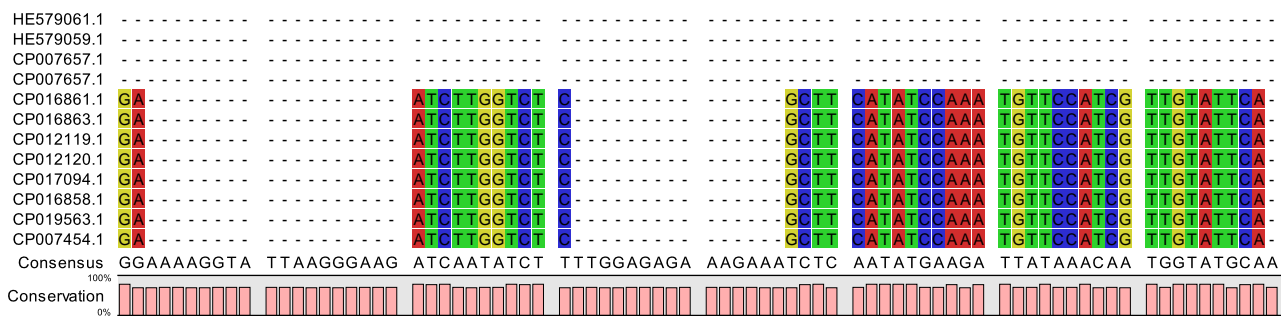
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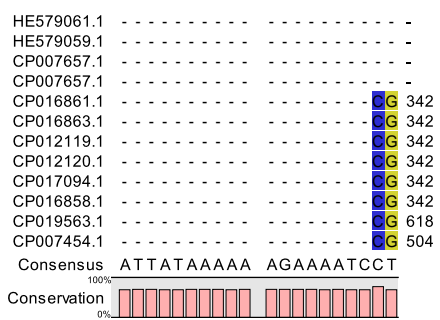




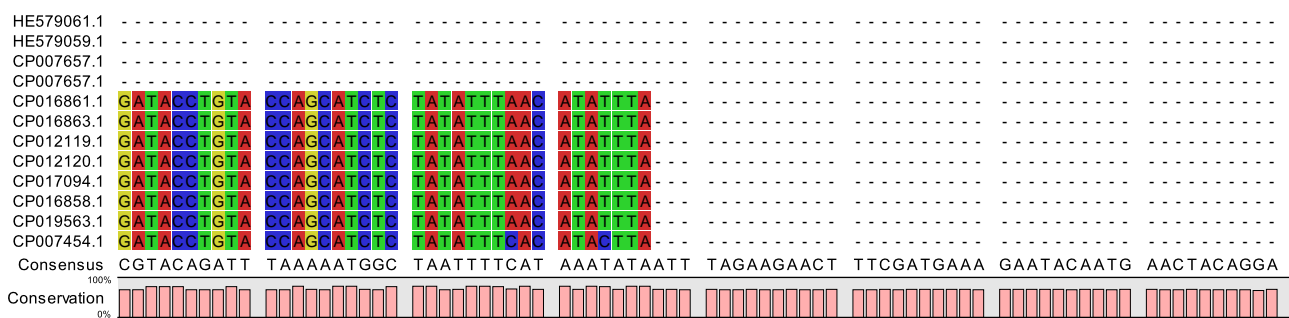
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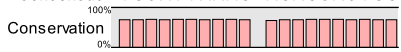


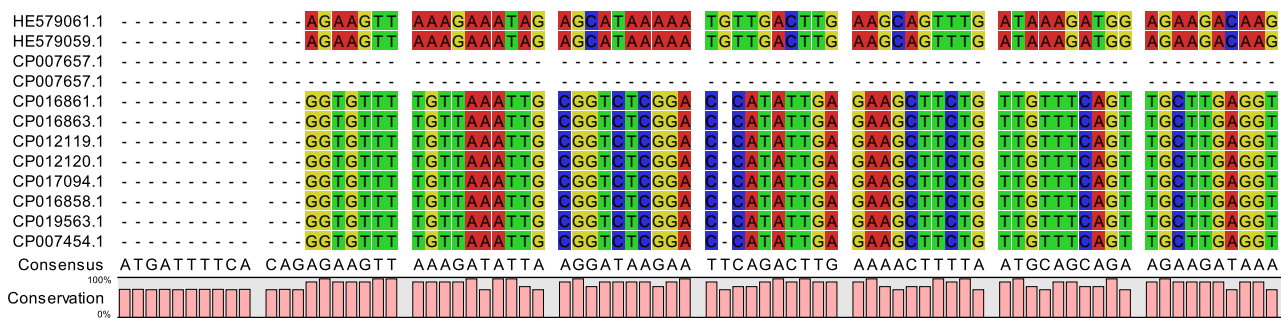
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CP000253.1	TGCATTAAAG	AGAGCACTGG	558
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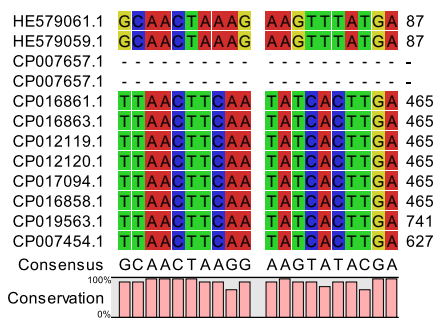


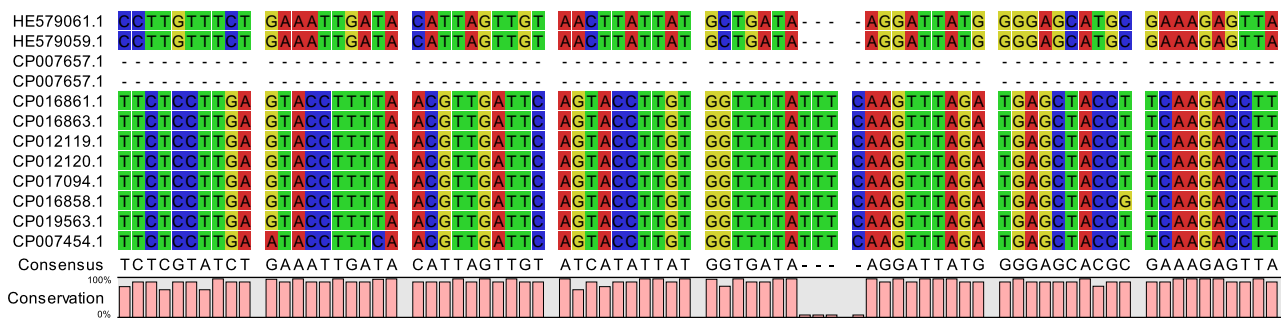
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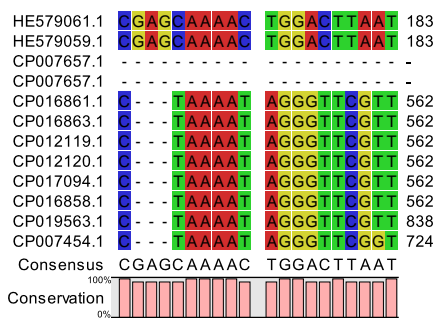
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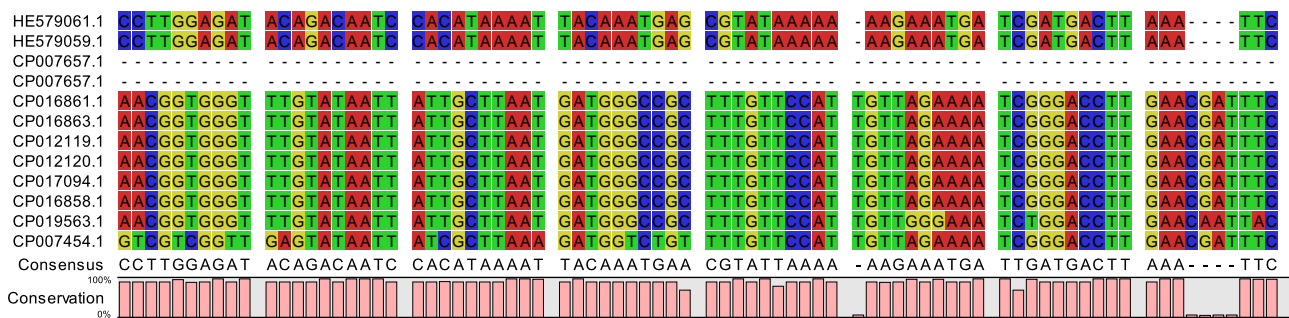


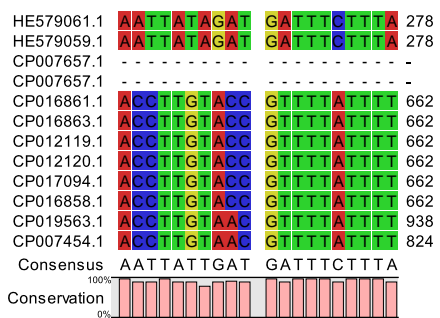


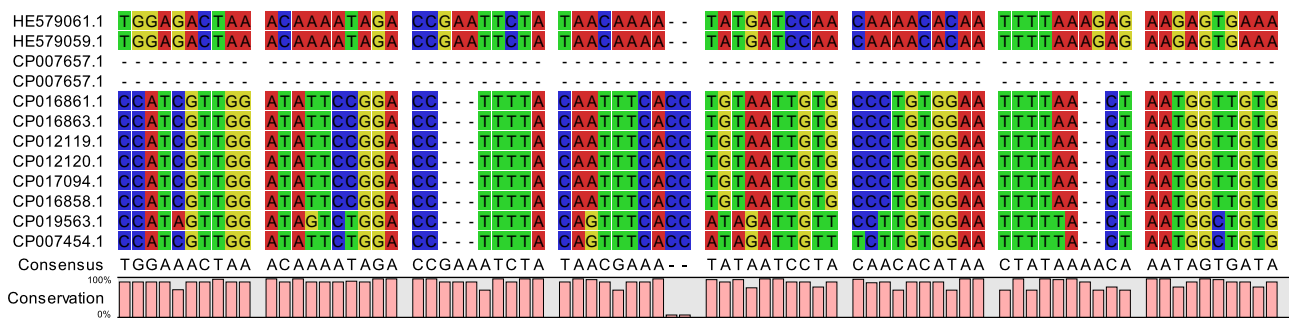


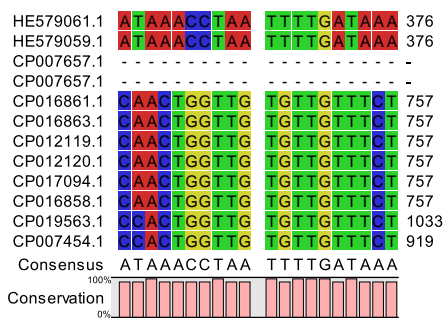


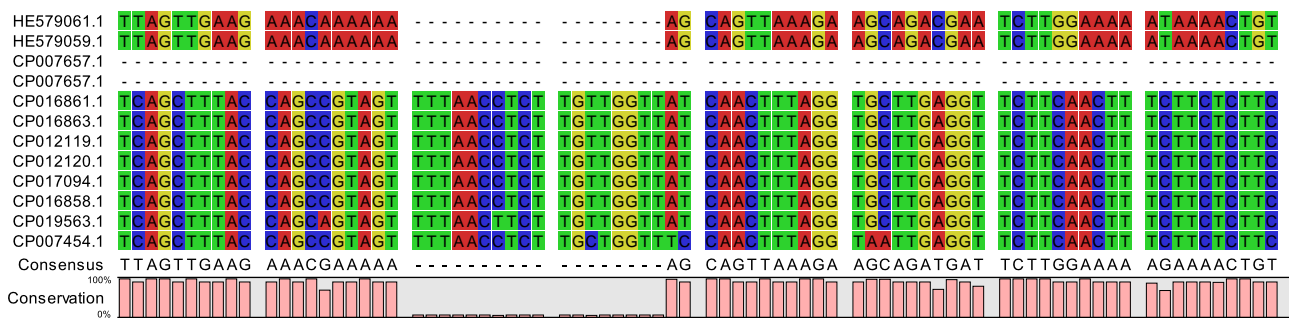
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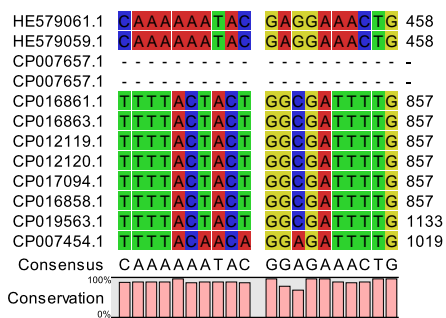


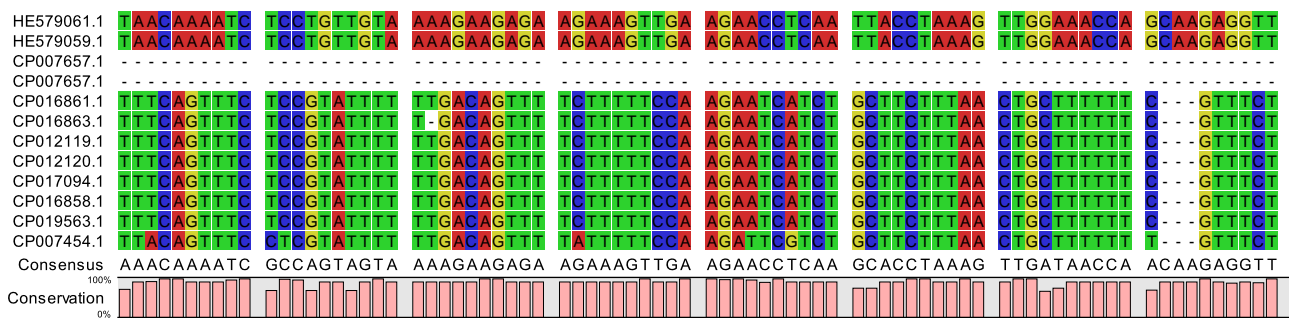












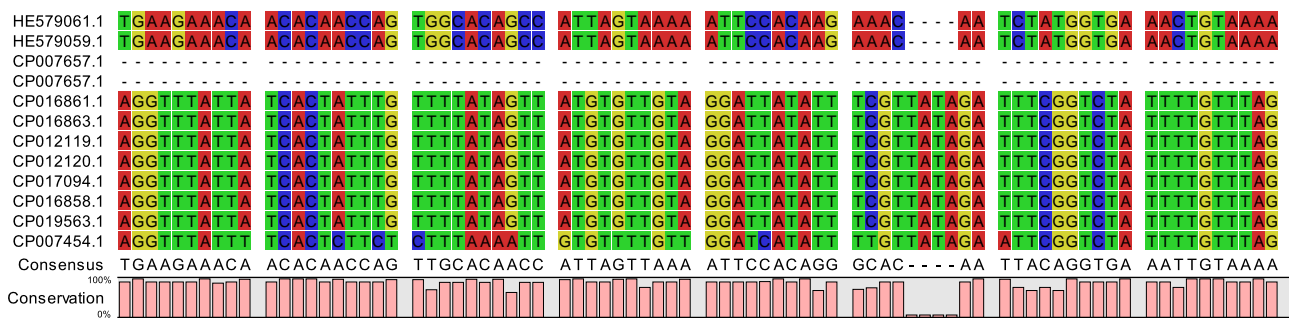
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Consensus AAAACTACGG CTGGTAAAGC



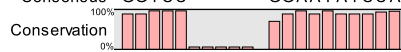
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CP000253.1	GGTCC	-----	GGAAATATCCA	1220
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AB489873.1	GGTCC	-----	GGAAATATCCA	1128
AB489883.1	GGTCC	-----	GGAAATATCCA	1128
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AB436976.1	GGTCC	-----	AGACTATCCA	1220
AB489892.1	GGTCC	-----	AGACTATCCA	1128
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CP015646.1	GGTCC	-----	AGACTATCCA	1220
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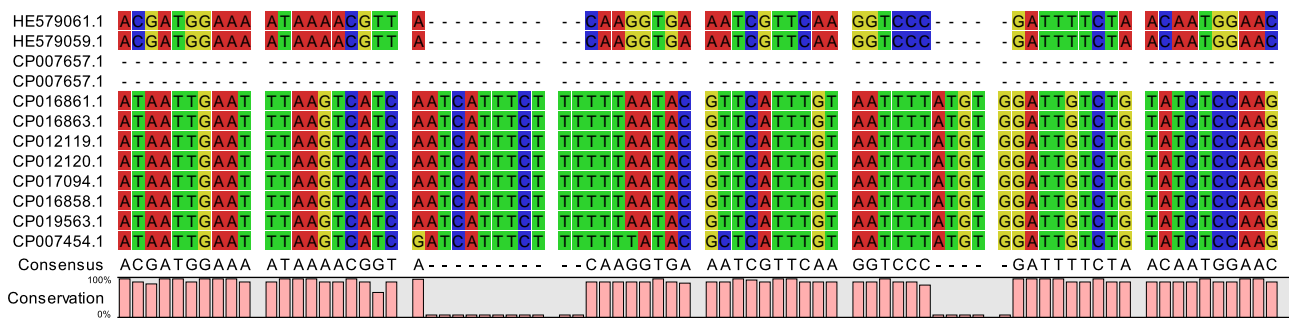
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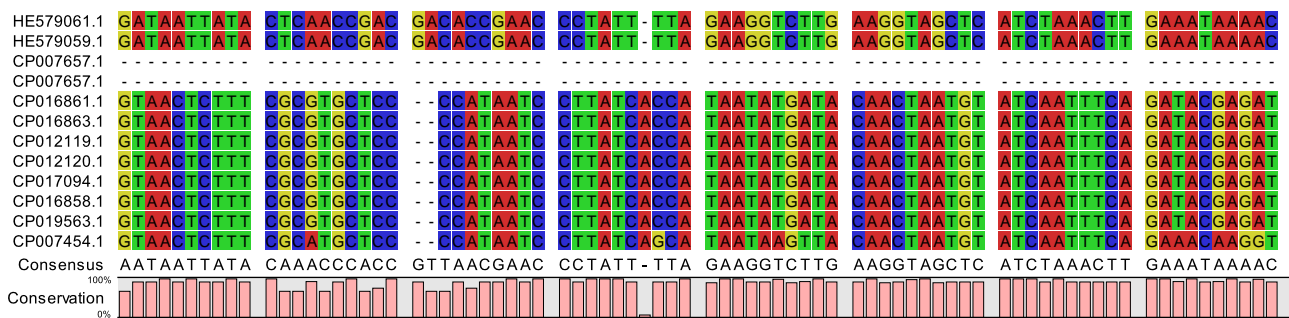
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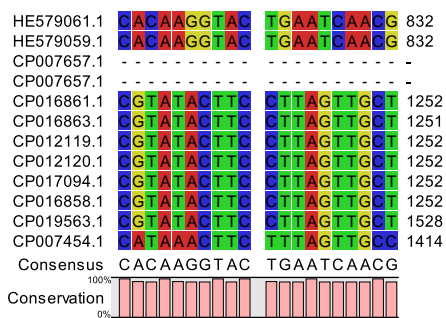


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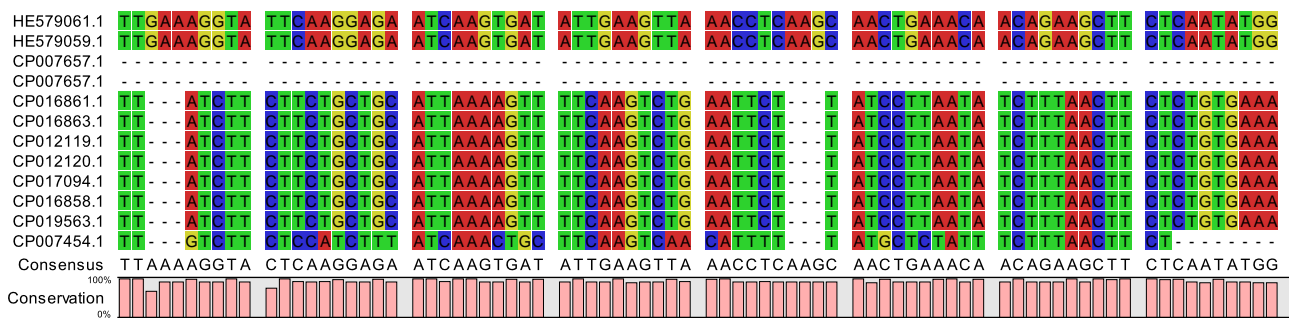


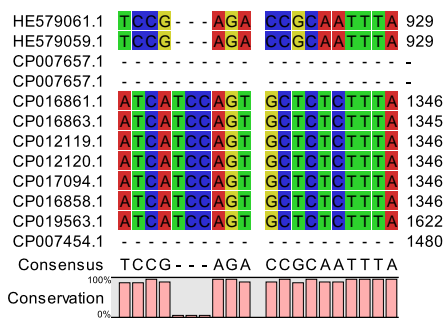


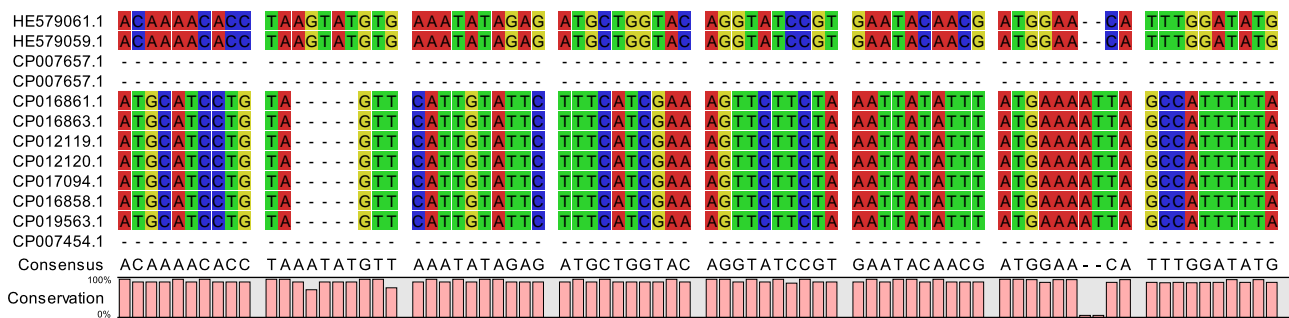


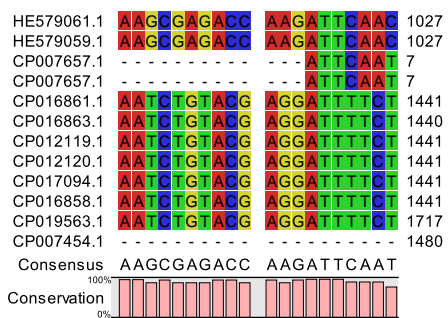
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X17679.1	TCCG	--	AGA	CCGCAATTTA	1500
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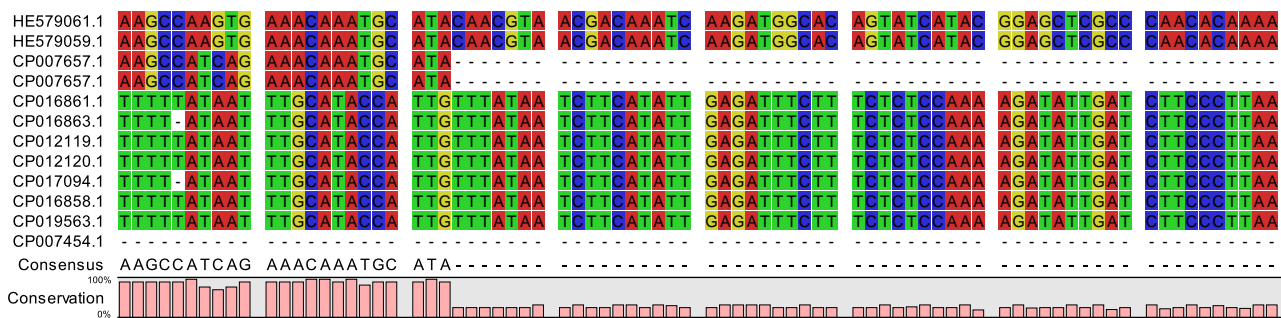


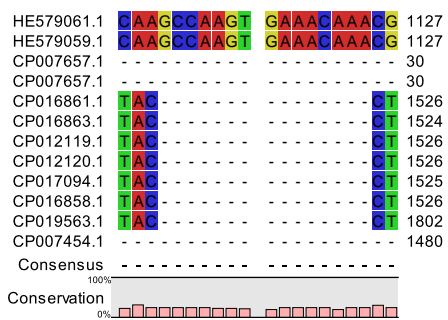


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AB488499.1	AAGCCATCAG	AAACAAAGCG	ATACAAAGTA	ACGACAAACC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CGACATACAA
AJ309189.1	-----	-----	-----	-----	-----	-----	-----	-----
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CP013955.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
CP013953.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
CP014064.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
LT009690.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
AP017320.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
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AB489898.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
HE579073.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
HE579071.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
HE579069.1	AAGCCAAAGTG	AAACAAATGC	ATACAAAGTA	ACGACAAATC	AAGATGGCAC	AGTATCATAC	GGGCGTCGTC	CAACACAAAA
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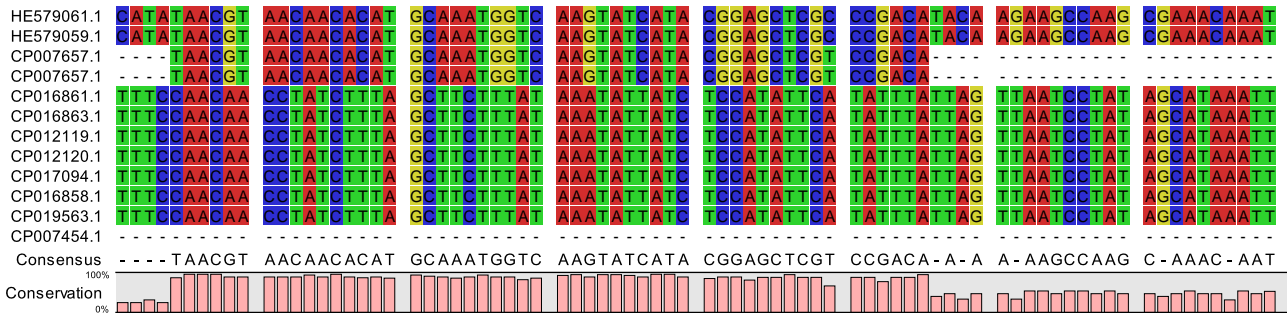
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CP012692.1	CAAAGCCAAGT	GAAACAAAACG	1127
CP013955.1	CAAAGCCAAGT	GAAACAAAACG	1127
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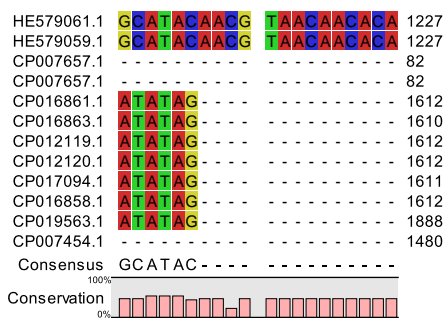


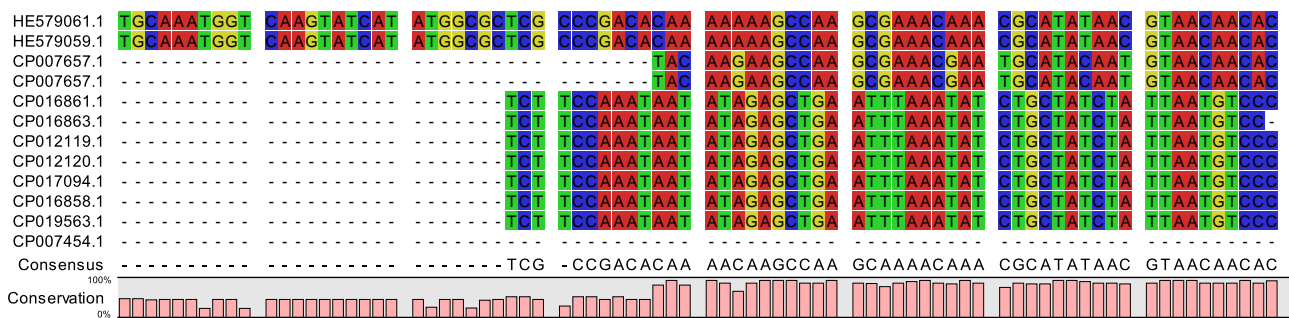


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CP018205.1	G C A T A C A A T G	T A A C A A C A C A	1717
AP017377.1	G C A T A C A A T G	T A A C A A C A C A	1717
LT598688.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP007676.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP007672.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP007674.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP011526.1	G C A T A C A A T G	T A A C A A C A C A	1717
HF937103.1	G C A T A C A A T G	T A A C A A C A C A	1717
AP009351.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP000046.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP000253.1	G C A T A C A A T G	T A A C A A C A C A	1717
AC025591.8	G C A T A C A A T G	T A A C A A C A C A	1717
LT671859.1	G C A T A C A A T G	T A A C A A C A C A	1717
CP007499.1	G C A T A C A A T G	T A A C A A C A C A	1717
X17679.1	G C A T A C A A T G	T A A C A A C A C A	1717
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AB489885.1	G C A T A C A A T G	T A A C A A C A C A	1625
AB489873.1	G C A T A C A A T G	T A A C A A C A C A	1625
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AB489874.1	-----	-----	1569
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AB436976.1	G C A T A C A A C G	T A A C A A C A C A	1798
AB489892.1	G C A T A C A A C G	T A A C A A C A C A	1706
AJ306908.1	G C A T A C A A T G	T A A C A A C A C A	1798
CP015646.1	G C A T A C A A T G	T A A C A A C A C A	1798
AB488510.1	-----	-----	1568
EU105387.1	-----	-----	1520
AB436975.1	G C A T A T A A C G	T A A C A A C A C A	1798
AB488499.1	G C A T A T A A C G	T A A C A A C A C A	1706
AJ309189.1	-----	-----	1386
FR821779.1	G C A T A T A A C G	T A A C A A C A C A	1783
CP012593.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP012692.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP013955.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP013953.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP014064.1	G C A T A C A A C G	T A A C A A C A C A	1227
LT009690.1	G C A T A C A A C G	T A A C A A C A C A	1227
AP017320.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP010890.1	G C A T A C A A C G	T A A C A A C A C A	1227
CP001844.2	G C A T A C A A C G	T A A C A A C A C A	1227
CP001781.1	G C A T A C A A C G	T A A C A A C A C A	1227
AB488501.1	G C A T A C A A C G	T A A C A A C A C A	1227
AB489898.1	G C A T A C A A C G	T A A C A A C A C A	1227
HE579073.1	G C A T A C A A C G	T A A C A A C A C A	1227
HE579071.1	G C A T A C A A C G	T A A C A A C A C A	1227
HE579069.1	G C A T A C A A C G	T A A C A A C A C A	1227
HE579065.1	G C A T A C A A C G	T A A C A A C A C A	1227
HE579063.1	G C A T A C A A C G	T A A C A A C A C A	1227







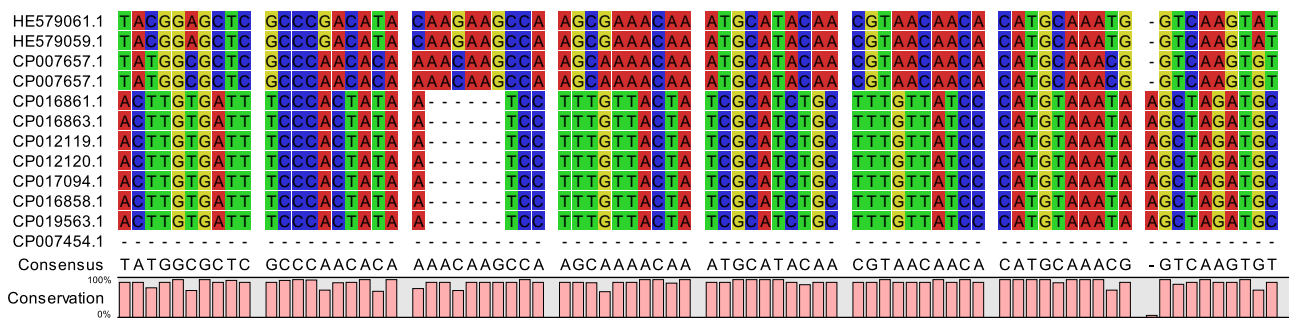
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 CP016861.1 ATTTT A CTC CCA - GCATTA 1684
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 CP012119.1 ATTTT A CTC CCA - GCATTA 1684
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Consensus ATGGAAACGG CCAAGTATCA



2,300

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CP007676.1	CATACGGAGC	TCGCCG	----	1912
CP007672.1	CATACGGAGC	TCGCCG	----	1912
CP007674.1	CATACGGAGC	TCGCCG	----	1912
CP011526.1	CATACGGAGC	TCGCCG	----	1912
HF937103.1	CATACGGAGC	TCGCCG	----	1912
AP009351.1	CATACGGAGC	TCGCCG	----	1912
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CP007499.1	CATACGGAGC	TCGCCG	----	1912
X17679.1	CATACGGAGC	TCGCCG	----	1912
CP007657.1	CATACGGAGC	TCGCCG	----	1831
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CP014438.1	CATACGGAGC	TCGCCG	----	1831
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CP014420.1	CATACGGAGC	TCGCCG	----	1831
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CP014397.1	CATACGGAGC	TCGCCG	----	1831
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CP013231.1	CATACGGAGC	TCGCCG	----	1831
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CP007657.1	CATACGGAGC	TCGCCG	----	1831
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AB489885.1	CATACGGAGC	TCGCCG	----	1820
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AB436976.1	CATATGGCGG	TCGCCGAAACA	----	1997
AB489892.1	CATATGGCGG	TCGCCGAAACA	----	1905
AJ306908.1	CATATGGCGG	TCGCCGAAACA	----	1997
CP015646.1	CATATGGCGG	TCGCCGAAACA	----	1997
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AB488499.1	CATATGGCGG	TCGCCGAAACA	----	1905
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CP012692.1	CATATGGCGG	TCGCCG	----	1422
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CP014064.1	CATATGGCGG	TCGCCG	----	1422
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CP001844.2	CATATGGCGG	TCGCCG	----	1422
CP001781.1	CATATGGCGG	TCGCCG	----	1422
AB488501.1	CATATGGCGG	TCGCCG	----	1422
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HE579071.1	CATATGGCGG	TCGCCG	----	1422
HE579069.1	CATATGGCGG	TCGCCG	----	1422
HE579065.1	CATATGGCGG	TCGCCG	----	1422
HE579063.1	CATATGGCGG	TCGCCG	----	1422

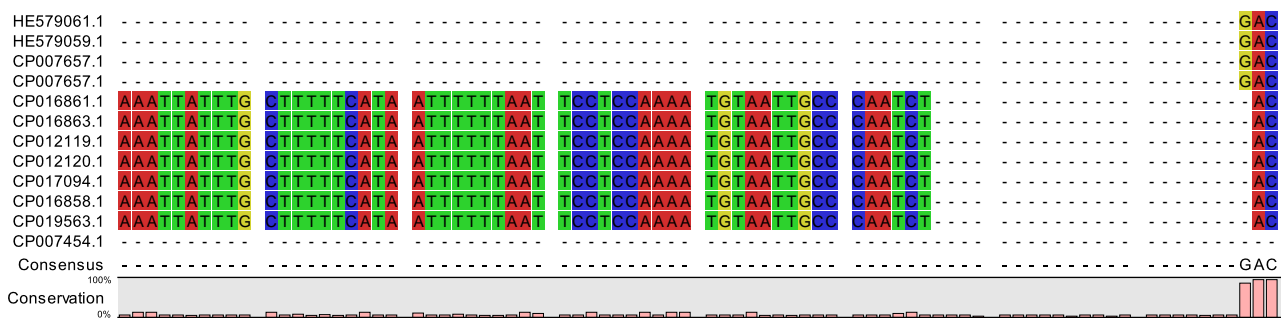


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 CP016863.1 AACTGCTAAT GCGCCTAGCG 1775
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Consensus CATACGGAGC TCGCC - - -

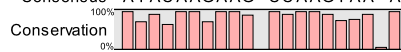


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CP014420.1				-GAC				
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CP014402.1				-GAC				
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CP014362.1				-GAC				
CP014376.1				-GAC				
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CP016855.1				-GAC				
CP013231.1				-GAC				
CP010300.1				-GAC				
CP010299.1				-GAC				
CP010298.1				-GAC				
CP010297.1				-GAC				
CP010296.1				-GAC				
CP010295.1				-GAC				
CP007690.1				-GAC				
CP007176.1				-GAC				
CP000730.1				-GAC				
CP000255.1				-GAC				
CP007539.1				-GAC				
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AB436955.1				-GAC				
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AB489873.1				-GAC				
AB489883.1				-GAC				
AB489874.1				-GAC				
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AB436976.1	CAAAATAAGC	CATCAGAAAC	AAATGCATAC	AAGGTAACAA	CACATGCAAA	TGGTCAAGTA	TCATATGGCG	CTGCCCGAC
AB489892.1	CAAAATAAGC	CATCAGAAAC	AAATGCATAC	AAGGTAACAA	CACATGCAAA	TGGTCAAGTA	TCATATGGCG	CTGCCCGAC
AJ306908.1	CAAAACAAGC	CAAGCGAAAC	AAACGCATAT	AAGGTAACAA	CACATGCAAA	TGGTCAAGTG	TCATACGGGG	CTGCCCGAC
CP015646.1	CAAAACAAGC	CAAGCGAAAC	AAACGCATAT	AAGGTAACAA	CACATGCAAA	TGGTCAAGTG	TCATACGGGG	CTGCCCGAC
AB488510.1								
EU105387.1								
AB436975.1	CAAAACAAGC	CAAGTGAAAC	GAAACGCATAT	AAGGTAACAA	CACACGGAAA	TGGCCAAGTA	TCATATGGCG	CTGCCCGAAC
AB488499.1	CAAAACAAGC	CAAGTGAAAC	GAAACGCATAT	AAGGTAACAA	CACACGGAAA	TGGCCAAGTA	TCATATGGCG	CTGCCCGAAC
AJ309189.1								
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CP012593.1								-GAC
CP012692.1								-GAC
CP013955.1								-GAC
CP013953.1								-GAC
CP014064.1								-GAC
LT009690.1								-GAC
AP017320.1								-GAC
CP010890.1								-GAC
CP001844.2								-GAC
CP001781.1								-GAC
AB488501.1								-GAC
AB489898.1								-GAC
HE579073.1								-GAC
HE579071.1								-GAC
HE579069.1								-GAC
HE579065.1								-GAC
HE579063.1								-GAC



HE579061.1 ACAA AAAAAG CCAAGGA - A 1444
 HE579059.1 ACAA AAAAAG CCAAGGA - A 1444
 CP007657.1 ATACAAGAAG CCAAGTAA - A 262
 CP007657.1 ATACAAGAAG CCAAGTAA - A 262
 CP016861.1 ATTAAGAAA CAAAAATTTA 1856
 CP016863.1 ATTAAGAAA CAAAAATTTA 1853
 CP012119.1 ATTAAGAAA CAAAAATTTA 1856
 CP012120.1 ATTAAGAAA CAAAAATTTA 1856
 CP017094.1 ATTAAGAAA CAAAAATTTA 1855
 CP016858.1 ATTAAGAAA CAAAAATTTA 1856
 CP019563.1 ATTAAGAAA CAAAAATTTA 2132
 CP007454.1 ----- 1480

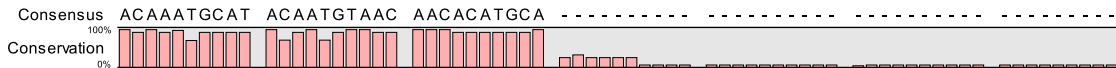
Consensus ATACAAGAAG CCAAGTAA - A



	2,420	2,440	2,460					
CP007670.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP003033.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP018205.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
AP017377.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
LT598688.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP007676.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP007672.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP007674.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP011526.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
HF937103.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
AP009351.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP000046.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP000253.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
AC025591.8	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
LT671859.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP007499.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
X17679.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1964				
CP007657.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014444.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
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CP014435.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014432.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014429.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014426.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014423.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014420.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014415.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
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CP014409.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014407.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014402.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014397.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014392.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014387.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014384.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014381.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014371.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
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CP014365.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014362.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP014376.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP009423.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP016855.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP013231.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010300.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010299.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010298.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010297.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010296.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP010295.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP007690.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP007176.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP000730.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP000255.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
CP007539.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1963				
CP007657.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
AP014921.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1883				
AB436955.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1872				
AB489885.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1872				
AB489873.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1872				
AB489883.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1791				
AB489874.1	ACAAATGCAT	ACAAATGTAA	AACACATGCA	1779				
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AB436976.1	ACAAATGCAT	ATAACGTAA	AACACATGCA	GATGGTACTG	CGACATATGG	GCCTAGAGTA	ACAAAAATAA	2165
AB489892.1	ACAAATGCAT	ATAACGTAA	AACACATGCA	GATGGTACTG	CGACATATGG	GCCTAGAGTA	ACAAAAATAA	2073
AJ306908.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGTACTG	CGACATATGG	GCCTAGAGTA	ACAAAAATAA	2165
CP015646.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGTACTG	CGACATATGG	TCCTAGAGTA	ACAAAAATAA	2165
AB488510.1	ACAAAGTGCAT	ATAACGTAA	AACACATGCA					1568
EU105387.1	ACAAAGTGCAT	ATAACGTAA	AACACATGCA					1520
AB436975.1	ACAAAGTGCAT	ATAACGTAA	AACACATGCA					2126
AB488499.1	ACAAAGTGCAT	ATAACGTAA	AACACATGCA					2034
AJ309189.1	ACAAAGTGCAT	ATAACGTAA	AACACATGCA					1386
FR821779.1	ACAAATGCAT	ATAACGTAA	AACACATGCA	GATGGTACTG	CGACATATGG	TCCTAGAGTA	ACAAAAATAA	2150
CP012593.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP012692.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP013955.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP013953.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP014064.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
LT009690.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
AP017320.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP010890.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP001844.2	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
CP001781.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
AB488501.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
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HE579073.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
HE579071.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
HE579069.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480
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HE579063.1	ACAAACGCAT	ATAACGTAA	AACACATGCA	GATGGT				1480

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AB489873.1
AB489883.1
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LT615218.1
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EU105387.1
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HE579065.1
HE579063.1

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HE579059.1	ACAAACGCAT	ATAACGTAAAC	AACACATGCA	GATGGT	---	---	---	---	---	1480
CP007657.1	ACAAATGCAT	ACAATGTAAAC	AACACATGCA	GATGGTACTG	GGACATATGG	GCCTAGAGTA	ACAAAAATA	---	---	331
CP007657.1	ACAAATGCAT	ACAATGTAAAC	AACACATGCA	GATGGTACTG	GGACATATGG	GCCTAGAGTA	ACAAAAATA	---	---	331
CP016861.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1889
CP016863.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1886
CP012119.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1889
CP012120.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1889
CP017094.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1888
CP016858.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	1889
CP019563.1	AAAGACATTA	ACTATATATT	AACTAGAAATA	AAC	---	---	---	---	---	2165
CP007454.1	ACAAATGCAT	ACAATGTAAAC	AACACATGCA	---	---	---	---	---	---	1480



HE579061.1
HE579059.1
CP007657.1
CP007657.1
CP016861.1
CP016863.1
CP012119.1
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CP017094.1
CP016858.1
CP019563.1
CP007454.1
Consensus
100%
Conservation
0%