


共有序列


GQ496624
MT749282
AB510697
MT749285
Bacteroides caecimuris
Bacteroides-acidifaciens
NR_074277
MT749287
Consensus sequence



CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAA GTGGTCCACGTGTGGANTTTTGTATGTACCATATGAATAAGGATCG 479
 CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAA -GTGATCCACGTGTGGATTTTTGTATGTACCATATGAATAAGGATCG 448
 CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAA --TGGTCCACGTGTGGATTTTTGTATGTACCATATGAATAAGGATCG 448
 CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAAGTGGTCCACGTGTGGACTTTTTGTATGTACCATATGAATAAGGATCG 488
 CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAA -GTCGGGTATGCATACCCGTTTGCATGACTTTTATGAATAAGGATCG 458
 CTGCCGATGGGTGGTGGTAAAGGTGGTTCC-----GACTTCTCTCCTCGTGGAAAGTCAAATGCTGAAGTA-----ATGCGCTTTGTACAGTCTGTTTCA 440
 CTTCTATGGGCGGCGGCAAAGGCGGTTCC-----GATTTCTCTCCACGTGGAAAGAGTGAGCTGAAATCATGCGTTTCTGCCAGGCATTTCAT----- 439
 CAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGGAATAAAAGTTTTCCACGTGTGGATTTTTGTATGTACCATATGAATAAGGATCG 512
 CAGCAATACCGCGTGAAGTGAAGAAGGTTTT-CGGATCGTAAAGCTCTGTTATTGGGGAAGAAAAA-----TGACGGTACCCAATGAGGAAGTCCC 424
 -----CCTATGGGTTGTAAACTTCTTTTATATGGGAATAAA--TGGTCCACGTGTGGATTTTTGTATGTACCATATGAATAAGGATCG 81

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GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGAGCGTAGGTTGGACAG-TTAAGTCAGTTGTGAAA 583
 GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGAGCGTAGGTTGGACAG-TTAAGTCAGTTGTGAAA 552
 GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATTG-TTAAGTCAGTTGTGAAA 592
 GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGGTTAAGTCAGTTGTGAAA 563
 GTTGGAACTGTGGCGTCA-CATCGGTCTGAAACGGACGTTCTGCCGGTGACATCGGTGTTGGTGGCCGTGAAG-----TAGGTTTCATG-TTCGGT---ATGTACAA 539
 GCTGGAATTATGGCGTCA-TCTCGGTCCGACATGGACGTGCTGCCGGTGACATCGGCGTAGGCGGACGTGAAGTAGGC-TATATGTTCCG-----AATGTACAA 538
 GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGAGCGTAGGTTGGACAG-TTAAGTCAGTTGTGAAA 616
 GCTAACTACTTGCCACAGCCGCGGT---AATACGTAGGGAACAAGCGTTGTC--CGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCTA-TTAATTCTGATGTGAAA 528
 GCTAACTCCGTGCCAGCAGCCGCGGT---AATACGGAGGATCCGAGCGTTATC--CGGATTTATTGGGTTTAAAGGGA----- 154

Bacteroides clarus-2	ATATTCTCGTTCACCGAGGCCAAAAGTGCTGG--GCAACTGGACGGGATTCTCCACCAAGCTGTACAGCTCCCTCTTCACG	156
Bacteroides caccae	AGCAAAGCCAGCACTACCACAAAAATAATAGCGGAAAGCGGGCGAAGCTC-----CGGCGTTAAACCACCTTTACG	117
Bacteroides clarus	ATATTCTCGTTCACCGAGGCCAAAAGTGCTGG--GCAACTGGACGGGATTCTCCACCAAGCTGTACAGCTCCCTCTTCACG	156
Bacteroides xylanisolvens	ATCTATTCTTTACCGAAGCGAAAGTGCTGG--GCAACTGGACTGGTTTCTCCACAAAACCTTTATACCTTCGCTTTTACG	156
Bacteroides ovatus	AATAACGCCAGTACCACAGACAAAAATGATAGCCGAAAGCGGGCGAAGTTC-----CGGGGTCAAACCTCCCTTTGCG	117
Bacteroides finegoldii	AGCAATGCCAGCACTACAACAAAAATAATGGCAGAAAGCGGGCGAAGTTC-----CGGTGTACAGCCCTCCTTTACG	117
Bacteroides fragilis	ATTTACTCTTTTACCGAGGCCAAAAGTGCTGG--GCAACTGGACCGGATTCTCCACAAAACCTGTATTTCGTCAGTGTTCAGT	156
Bacteroides caecimuris	AACAACGCCAGCACTACGACAAAAATAATCGCAGAAAGCGGACGAAGCTC-----CGGTGTCAAACCTCCCTTTGCG	117
Consensus sequence	-----CGGCGTTAAACCACCTTTACG	21



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Bacteroides clarus-2	GGCGGCATGCACCACTCGCTGATGAACGCCATCTGGAACACATTTCGCCATTGCCA-TGCTGGCAGCCACCGCCAGTACGG	235
Bacteroides caccae	GGCATCA-GCATATATATAAGTAGAAAGTGTT--TCCAAGCCTTGTTACCGATAGTAAATACAGTTACGGCAAATCAT	194
Bacteroides clarus	GGCGGCATGCACCACTCGCTGATGAACGCCATCTGGAACACATTTCGCCATTGCCA-TGCTGGCAGCCACCGCCAGTACGG	235
Bacteroides xylanisolvens	ACAGGCACGCATCATTCTTTGATGAATGCATTGATTAACACGATTACTATTGCTC-TGCTGGCTGCAACGGCATCTACCT	235
Bacteroides ovatus	GGCATCG-GCGTAGATATAAGTAGAAAGCGTT--TCCAAACCTTGATTACCGATAGTGAATACAGTTACGGCAAATCAT	194
Bacteroides finegoldii	GGCATCG-GCATAAATATAGGTAGAAAGCGTC--TCCAATCCTTGATTGCCGATGGTAAATACAGTCACGGCAAATCAT	194
Bacteroides fragilis	ACCGGCACCTCACCATTTCGCTGATGAATGCCTGATCAATACTGTGACCATTGCTT-TGATTGCAGCTACGGCTTCCACC	235
Bacteroides caecimuris	AGCATCG-GCATAGATATAAGTAGAAAGCGTC--TCCAGACCTTGATTGCCGATGGTAAATACTGTTACGGCAAATCAT	194
Consensus sequence	GGCATCA-GCATATATATAAGTAGAAAGTGTT--TCCAAGCCTTGTTACCGATAGTAAATACAGTTACGGCAAATCAT	98



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Bacteroides clarus-2	CGTTGGGCAGCATCGCGGCCATC--GGCATCTTCAACCTGCGCACACGCACGCGTC---AGGTGATGAACCTTCGCCAAC	309
Bacteroides caccae	CAATAGAGAGTGTCAATGCAAGCATGAAGCCACTAATC---ATTCCCGGACGAACCTCCGGAATAATTACTTTCCACAAG	271
Bacteroides clarus	CGTTGGGCAGCATCGCGGCCATC--GGCATCTTCAACCTGCGCACACGCACGCGTC---AGGTAATGAACCTTCGCCAAC	309
Bacteroides xylanisolvens	TGCTGGGTAGTGTGGCTGCTATC--GGCATCTTTAATCTGAAATCCCCTTCGCGTA---AAGCGATTAGTTTTGTGAAT	309
Bacteroides ovatus	CAATGGATAGTGTCAAGTGAAGCATAAAGCCGCTAATC---ATTCCCGGACGAATCTCCGGAATTATGACTTTCCACAAG	271
Bacteroides finegoldii	CAATAGACAGAGTCAATGCGCAGCATGAATCCACTAATC---ATTCCCGGACGAATCTCAGGAACAATCACTTTCCACAGG	271
Bacteroides fragilis	TGCTGGGGAGTATCACTGCTATC--GGCATCTTCAACCTGAAGGCACGTTTCGCGGA---AGGCCATCAGCTTTGTGAAC	309
Bacteroides caecimuris	CAATAGATAAATGTCAATGCAAGCATAAAACCCTAATC---ATTCCCGGCGAATCTCCGGCACAAATGACTTTCCACAAG	271