

Fri Nov 17, 2017 20:05 CET

QM6a_short.ape from 1 to 2098

Alignment to

QM9414_seq.ape-- Matches:2098; Mismatches:0; Gaps:0; Unattempted:0

RutC30_seq.ape-- Matches:2098; Mismatches:0; Gaps:0; Unattempted:0

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1>TACAAGGAACACGCCATTGGAGAGGGTCGTGGTGTGAAGGCGGCTTCCTACTTGGAGTGCAAGCCCACGGGCAGCAAACAGACGGTCTGGGGCGTTGGCA>100
1>TACAAGGAACACGCCATTGGAGAGGGTCGTGGTGTGAAGGCGGCTTCCTACTTGGAGTGCAAGCCCACGGGCAGCAAACAGACGGTCTGGGGCGTTGGCA>100
1>TACAAGGAACACGCCATTGGAGAGGGTCGTGGTGTGAAGGCGGCTTCCTACTTGGAGTGCAAGCCCACGGGCAGCAAACAGACGGTCTGGGGCGTTGGCA>100

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101>TTCACGAAGATGTGGTGTACAGCTCGCTCCTGGCCATGCTCAGTGCGGCAAGCAACGTAAGTTCTCACATGCATCGATGGTAGTAGTACCTTGTGAGTTG>200
101>TTCACGAAGATGTGGTGTACAGCTCGCTCCTGGCCATGCTCAGTGCGGCAAGCAACGTAAGTTCTCACATGCATCGATGGTAGTAGTACCTTGTGAGTTG>200
101>TTCACGAAGATGTGGTGTACAGCTCGCTCCTGGCCATGCTCAGTGCGGCAAGCAACGTAAGTTCTCACATGCATCGATGGTAGTAGTACCTTGTGAGTTG>200

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201>ATGGCTGACGACGGTGCTTTTCGCATTTACAGTTCTTGACCAGCAGACCCACCAGCCCTCTGCTGAAGCCTGTTGCAAATCCCCCTCACAGGAGACGCC>300
201>ATGGCTGACGACGGTGCTTTTCGCATTTACAGTTCTTGACCAGCAGACCCACCAGCCCTCTGCTGAAGCCTGTTGCAAATCCCCCTCACAGGAGACGCC>300
201>ATGGCTGACGACGGTGCTTTTCGCATTTACAGTTCTTGACCAGCAGACCCACCAGCCCTCTGCTGAAGCCTGTTGCAAATCCCCCTCACAGGAGACGCC>300

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301>TAATATCGTCTCCGTTCTGGAGGAAAAGGCAAATGGTGTGTTAGGGTGCTGAAACTCAAAGCAGAGGCATTGGTTATTCCCCCTTCGTATATCTAAAAGTT>400
301>TAATATCGTCTCCGTTCTGGAGGAAAAGGCAAATGGTGTGTTAGGGTGCTGAAACTCAAAGCAGAGGCATTGGTTATTCCCCCTTCGTATATCTAAAAGTT>400
301>TAATATCGTCTCCGTTCTGGAGGAAAAGGCAAATGGTGTGTTAGGGTGCTGAAACTCAAAGCAGAGGCATTGGTTATTCCCCCTTCGTATATCTAAAAGTT>400

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401>CTTCGTTGCATCACCCCAAGCAGATCAACTGGCATGGGGCAGTTTTCTTCATTTTCAGAGAAGTGGACGACGAACATGACTTATCATGCGTAGCTCAGGG>500
401>CTTCGTTGCATCACCCCAAGCAGATCAACTGGCATGGGGCAGTTTTCTTCATTTTCAGAGAAGTGGACGACGAACATGACTTATCATGCGTAGCTCAGGG>500
401>CTTCGTTGCATCACCCCAAGCAGATCAACTGGCATGGGGCAGTTTTCTTCATTTTCAGAGAAGTGGACGACGAACATGACTTATCATGCGTAGCTCAGGG>500

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501>CTGCGTACAGATAGTAAGAAGTTCCACACGGATACAGAGACACAACATGCAGGAGATTGGGCGTCATCCTTGTTCCACACGTTTTCTACCTAGGTAGCTG>600
501>CTGCGTACAGATAGTAAGAAGTTCCACACGGATACAGAGACACAACATGCAGGAGATTGGGCGTCATCCTTGTTCCACACGTTTTCTACCTAGGTAGCTG>600
501>CTGCGTACAGATAGTAAGAAGTTCCACACGGATACAGAGACACAACATGCAGGAGATTGGGCGTCATCCTTGTTCCACACGTTTTCTACCTAGGTAGCTG>600

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601>TAACAACAAGATTTACAACCAGAGCCCGAAGCTGTTCTTGGTGATGGTCAGGCCCCTTCAAGCCCCTTCAAGCCCCTCCAAACCCACCGGCAGGTGGCT>700
601>TAACAACAAGATTTACAACCAGAGCCCGAAGCTGTTCTTGGTGATGGTCAGGCCCCTTCAAGCCCCTTCAAGCCCCTCCAAACCCACCGGCAGGTGGCT>700
601>TAACAACAAGATTTACAACCAGAGCCCGAAGCTGTTCTTGGTGATGGTCAGGCCCCTTCAAGCCCCTTCAAGCCCCTCCAAACCCACCGGCAGGTGGCT>700

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701>AAACGGTGGCTGGTGGCTGACGCCCCGCGGCTTAATCAGAGGTGGGAGCTACTTAGCAGTCAGACAAAGCCGAGATGGCGTCGAACGGCTCATGGCTATTG>800
701>AAACGGTGGCTGGTGGCTGACGCCCCGCGGCTTAATCAGAGGTGGGAGCTACTTAGCAGTCAGACAAAGCCGAGATGGCGTCGAACGGCTCATGGCTATTG>800
701>AAACGGTGGCTGGTGGCTGACGCCCCGCGGCTTAATCAGAGGTGGGAGCTACTTAGCAGTCAGACAAAGCCGAGATGGCGTCGAACGGCTCATGGCTATTG>800

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801>TGGGGACGCAGCTCCTGTTCGGCCCCAGCCCGCAGGTGCTAAAACCTGAATGGATGGCTGGGAGAGAAGAAGTCGAGAACCATAAGGTGACGACAATACCAA>900
801>TGGGGACGCAGCTCCTGTTCGGCCCCAGCCCGCAGGTGCTAAAACCTGAATGGATGGCTGGGAGAGAAGAAGTCGAGAACCATAAGGTGACGACAATACCAA>900
801>TGGGGACGCAGCTCCTGTTCGGCCCCAGCCCGCAGGTGCTAAAACCTGAATGGATGGCTGGGAGAGAAGAAGTCGAGAACCATAAGGTGACGACAATACCAA>900

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901>GAAGTCGGTGTATCGTAGATACTCAATGGCCAGATGAAATGCGTGTAATGATTACATACTTCCGTACCTTAGGCTGTGGTGCAATGTCGCCAGGCACCG>1000
901>GAAGTCGGTGTATCGTAGATACTCAATGGCCAGATGAAATGCGTGTAATGATTACATACTTCCGTACCTTAGGCTGTGGTGCAATGTCGCCAGGCACCG>1000
901>GAAGTCGGTGTATCGTAGATACTCAATGGCCAGATGAAATGCGTGTAATGATTACATACTTCCGTACCTTAGGCTGTGGTGCAATGTCGCCAGGCACCG>1000

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1001>GCGCTGGGAAGCAGATTTCGCGGCGCACCTCGCACCACCACTAGGTCAACACCAGCCTCATCGAACCTGTACTCCTCCATTATTATTACTCCATACTCCAG>1100
1001>GCGCTGGGAAGCAGATTTCGCGGCGCACCTCGCACCACCACTAGGTCAACACCAGCCTCATCGAACCTGTACTCCTCCATTATTATTACTCCATACTCCAG>1100
1001>GCGCTGGGAAGCAGATTTCGCGGCGCACCTCGCACCACCACTAGGTCAACACCAGCCTCATCGAACCTGTACTCCTCCATTATTATTACTCCATACTCCAG>1100

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1101>CTCCAACAGAACCAGGAATCCATCCTCCTGCCGCTCTGCTCAAAGTACTTGCAGTAGCCCCCTCGACTCATCCAGCACGCTCAGCTCCGCCCCGTTGCACT>1200
1101>CTCCAACAGAACCAGGAATCCATCCTCCTGCCGCTCTGCTCAAAGTACTTGCAGTAGCCCCCTCGACTCATCCAGCACGCTCAGCTCCGCCCCGTTGCACT>1200
1101>CTCCAACAGAACCAGGAATCCATCCTCCTGCCGCTCTGCTCAAAGTACTTGCAGTAGCCCCCTCGACTCATCCAGCACGCTCAGCTCCGCCCCGTTGCACT>1200

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1201>CCCCGGCTCCTCAGCCGCAGCACATGCGCGGCCTCTCTCGCGCGGTGCCTTGCAATCGTACCGCTGCTCGAGCATCAAAACCTCCAGCCACCCAATATTAT>1300
1201>CCCCGGCTCCTCAGCCGCAGCACATGCGCGGCCTCTCTCGCGCGGTGCCTTGCAATCGTACCGCTGCTCGAGCATCAAAACCTCCAGCCACCCAATATTAT>1300
1201>CCCCGGCTCCTCAGCCGCAGCACATGCGCGGCCTCTCTCGCGCGGTGCCTTGCAATCGTACCGCTGCTCGAGCATCAAAACCTCCAGCCACCCAATATTAT>1300

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1301>CGCTCGCCGGCCGCTCGCCTCCACTGCCTCCCCCCCCGGTCGCTCCTCCACCTCGACCTGCAGCTCCCGACCGCCTCTTTTCGCCCCGATCGCAGGCCCTGCG>1400
1301>CGCTCGCCGGCCGCTCGCCTCCACTGCCTCCCCCCCCGGTCGCTCCTCCACCTCGACCTGCAGCTCCCGACCGCCTCTTTTCGCCCCGATCGCAGGCCCTGCG>1400
1301>CGCTCGCCGGCCGCTCGCCTCCACTGCCTCCCCCCCCGGTCGCTCCTCCACCTCGACCTGCAGCTCCCGACCGCCTCTTTTCGCCCCGATCGCAGGCCCTGCG>1400

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1401>CTGATTTCGTCACCGCTCGCTCAATTGGGCTCCAATCGCAGCTTGGACTTGGGGCCTTTTCAGTCACGGCATCATTTCAGCCCAAGGCCGGTCGAGCAGA>1500
1401>CTGATTTCGTCACCGCTCGCTCAATTGGGCTCCAATCGCAGCTTGGACTTGGGGCCTTTTCAGTCACGGCATCATTTCAGCCCAAGGCCGGTCGAGCAGA>1500
1401>CTGATTTCGTCACCGCTCGCTCAATTGGGCTCCAATCGCAGCTTGGACTTGGGGCCTTTTCAGTCACGGCATCATTTCAGCCCAAGGCCGGTCGAGCAGA>1500

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1501>GGCAGCTTCGCAAACCCCCCGGTTTCGGTTCGTTTTGCGGACGAGGCCCTTTTGAGCACTTGGAGCTTCTGCCAGTTACCTAACCGGCGGAAATATTTTC>1600
1501>GGCAGCTTCGCAAACCCCCCGGTTTCGGTTCGTTTTGCGGACGAGGCCCTTTTGAGCACTTGGAGCTTCTGCCAGTTACCTAACCGGCGGAAATATTTTC>1600
1501>GGCAGCTTCGCAAACCCCCCGGTTTCGGTTCGTTTTGCGGACGAGGCCCTTTTGAGCACTTGGAGCTTCTGCCAGTTACCTAACCGGCGGAAATATTTTC>1600

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1601>TTTCCTACTCTGCTCTCTTCCCTTGTTCCCGACGGTTCTGTTTCAGACGAAGTAATAGCACCAGCAACGACAGCATCTGCCCCGCACTTGGTAGGCTGCGCGC>1700
1601>TTTCCTACTCTGCTCTCTTCCCTTGTTCCCGACGGTTCTGTTTCAGACGAAGTAATAGCACCAGCAACGACAGCATCTGCCCCGCACTTGGTAGGCTGCGCGC>1700
1601>TTTCCTACTCTGCTCTCTTCCCTTGTTCCCGACGGTTCTGTTTCAGACGAAGTAATAGCACCAGCAACGACAGCATCTGCCCCGCACTTGGTAGGCTGCGCGC>1700

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1701>TTCTGCATTGCCTTGGAGAACAGAGGTTGACAGCTGCAGGAGCCCCAGCAGCTGACCGGAGGCAATCTCCCCCGTACATCTCCGCCCTACTTCTCAG>1800
1701>TTCTGCATTGCCTTGGAGAACAGAGGTTGACAGCTGCAGGAGCCCCAGCAGCTGACCGGAGGCAATCTCCCCCGTACATCTCCGCCCTACTTCTCAG>1800
1701>TTCTGCATTGCCTTGGAGAACAGAGGTTGACAGCTGCAGGAGCCCCAGCAGCTGACCGGAGGCAATCTCCCCCGTACATCTCCGCCCTACTTCTCAG>1800

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1801>CCTTTCGGCCTTCTTTTGGGCAATCGAGTTTCGATAATACCTTTCTTGGGAGCTCCCATCACGGAATCATAACCTCACCTTGCCGTGCTCGGCCTCCAG>1900
1801>CCTTTCGGCCTTCTTTTGGGCAATCGAGTTTCGATAATACCTTTCTTGGGAGCTCCCATCACGGAATCATAACCTCACCTTGCCGTGCTCGGCCTCCAG>1900
1801>CCTTTCGGCCTTCTTTTGGGCAATCGAGTTTCGATAATACCTTTCTTGGGAGCTCCCATCACGGAATCATAACCTCACCTTGCCGTGCTCGGCCTCCAG>1900

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1901>CCTACGGCTAAGCATCGTCTCCTTTTTCGCTGAGTTGGTCTCGAGCCCAGCCTTGGTGCTGCCTTGGCGATAGTACCACCATCTCTCACAAGTTACTCGA>2000
1901>CCTACGGCTAAGCATCGTCTCCTTTTTCGCTGAGTTGGTCTCGAGCCCAGCCTTGGTGCTGCCTTGGCGATAGTACCACCATCTCTCACAAGTTACTCGA>2000

1901>CCTACGGCTAAGCATCGTCTCCTTTTGGCGCTGAGTTGGTCTCGAGCCCAGCCTTGGTGCTGCCTTGGCGATAGTACCACCATCTCTCACAAGTTACTCGA>2000

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2001>CCATCACAGGCGCGACCATGTCTGCGCCGTATTGGGGTTCATTGCCCCAGCCCAAGGGCATCCACAGCCGGCGAGTCTCAGCAGATTACACTAATGAA>2098

2001>CCATCACAGGCGCGACCATGTCTGCGCCGTATTGGGGTTCATTGCCCCAGCCCAAGGGCATCCACAGCCGGCGAGTCTCAGCAGATTACACTAATGAA>2098

2001>CCATCACAGGCGCGACCATGTCTGCGCCGTATTGGGGTTCATTGCCCCAGCCCAAGGGCATCCACAGCCGGCGAGTCTCAGCAGATTACACTAATGAA>2098

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