Appendices

Appendix 1: Nucleotide sequences of the fragments obtained using primers F27 and R1492 annealing to the 16S rDNA of samples KM001 and US201 and their respective contigs.

>KM001_F27

CGAATGAGGGGCCTAACTGCAGTCGACGATGTTGCCCAGCTTGCTGGGCGGATTATGGCGAACGGGTGAGTAATACGTGA
GTAACCTGCCCTTGACTCTGGGATAAGCCTGGGAAACTGGGTCTAATACTGGATACTACCTCTTGCCGCATGGTGGGTGG
TGGAAAGGATTTTACTGGTTTTGTTTGGGCTCACTGCCTATCGGCTCGTTGGTGCGGTAACTGGTCGCCGAGGCAACGAC
TGGTAGCCGGCCTGAGAGGGTGACCGGCTGAAATGGGAATGACCACGGTGCAAACTCCTACCGGACAAACTCCGGGGAAA
AGTGCCCCATTGGGCGGCTTCCTGATTGGACGACACCCTGAGAGAGATGACGCCCTTCAGGGTAGAAAAGCTCTTTCATC
ATGGAAGTATGGAGAGAGACAGTACCTGGGAAAGAAGCGCCAGCTACCTACCTGGCCGCAGCCTCGGAAAACGTCACGGC
GTAAGTGTTGCCCGGAATTATTGGTCGTAAAGAGGTCGTAAGCGGTTTGCCGCGTCTGTGGTGAAAGCCCGAGGCTCAGC
CGCGTTCTCTGCTCTGAGGACGGAGACA

>KM001_R1492

AGTTCAACCTTACGAGGCTCATCCACAGGGTTAGGCCACCGGCTTCGGGTGTTACCAACTTTCGTGACTTGACGGGCGGTG
TGTACAAGGCCCGGGAACGTATTCACCGCAGCGTTGCTGATCTGCGATTACTAGCGACTCCGACTTCATGAGGTCGAGTT
GCAGACCTCAATCCGAACTGAGACCGGCTTTTTGGGATTAGCTCCACCTCACAGTATCGCAACCCTTTGTACCGGCCATTG
TAGCATGCGTGAAGCCCAAGACATAAGGGGCATGATGATTTGACGTCATCCCCACCTTCCTCCGAGTTGACCCCGGCAGTC
TCCTATGAGTCCCCACCATCACGTGCTGGCAACATAGAACGAGGGTTGCGCTCGTTGCGGGACTTAACCCAACATCTCACG
ACACGAGCTGACGACAACCATGCACCACCTGTCCACCAGCCCCGAAGGGAAACCCCATCTCTGGGGCGGTCCGGTGAATGT
CAAGCCTTGGTAAGGTTCTTCGCGTTGCATCGAATTAATCCGCATGCTCCGCCGCTTGTGCGGGCCCCCGTCAATTCCTTT
GAGTTTTAGCCTTGCGGCCGTACTCCCCAGGCGGGGCACTTAATGCGTTAGCTACGGCGCGGAAAACGTGGAATGTCCCCC
ACACCTAGTGCCCAACGTTTACGGCATGGACTACCAGGGTATCTAATCCTGTTCGCTCCCCATGCTTTCGCTCCTCAGCGT
CAGTAACAGGCACCAGAGACCTGCCTTCGCCATCGGTGTTCCTCCTGATATCTGCGCATTTCACCGCTACACCAGGAAATT
CCAGTCTCCCCTACTGCACTCTAGTCTGCCCGTACCCCCTGCAGACCCGGGGGTTGAGCCCCGGGCCTTTTCAACAGTCAG
ACGACGACAAACCGCCCTACGTATCTCCTTACGCCCAATTGATTTCCCGGATAACGCTTTGCGCCATAACGTATTTACCGC
GGGCTGACTTGGCACGTCACGTTAGCCCTGGCGCTTTCCTTTCTGACAGTACCGATCCAACTCTTCGCCTTTCTTTCCCCT
TACTGAAAGTAATGTTACACACCCGATAGATCCTGTTCATTCCCCCTTT

>Contig-2

CGAATGAGGGGCCTAACTGCAGTCGACGATGTTGCCCAGCTTGCTGGGCGGATTATGGCGAACGGGTGAGTAATACGTGA
GTAACCTGCCCTTGACTCTGGGATAAGCCTGGGAAACTGGGTCTAATACTGGATACTACCTCTTGCCGCATGGTGGGTGG
TGGAAAGGATTTTACTGGTTTTGTTTGGGCTCACTGCCTATCGGCTCGTTGGTGCGGTAACTGGTCGCCGAGGCAACGAC
TGGTAGCCGGCCTGAGAGGGTGACCGGCTGAAATGGGAATGACCACGGTGCAAACTCCTACCGGACAAACTCCGGGGAAA
AGTGCCCCATTGGGCGGCTTCCTGATTGGACGACACCCTGAAAGAGGGAATGAACAGCATCTATCAGGGTATGAAACAGC
TACTTTCAGTAAGGGGAAAGAAAGGAGAAGAGTTGGATCAGTACCTGGCAGAAAGGAAAGCGCCAGGGCTAACGTGACC
TGGCCAAGTCAGCCCGCGGTAAATACGTCACGGCGCAAAGCGTTACCCGGGAAATCAATTGGGCGTAAAGAGATACGTAA
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GCCGTAAACGTTGGGCACTAGGTGTGGGGGACATTCCACGTTTTCCGCGCCGTAGCTAACGCATTAAGTGCCCCGCCTGGG
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TGGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTCGTTCTATGTTGCC
AGCACGTGATGGTGGGGACTCATAGGAGACTGCCGGGGTCAACTCGGAGGAAGGTGGGGATGACGTCAAATCATCATGCC
CCTTATGTCTTGGGCTTCACGCATGCTACAATGGCCGGTACAAAGGGTTGCGATACTGTGAGGTGGAGCTAATCCCAAAA
AGCCGGTCTCAGTTCGGATTGAGGTCTGCAACTCGACCTCATGAAGTCGGAGTCGCTAGTAATCGCAGATCAGCAACGCT
GCGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCAAGTCACGAAAGTTGGTAACACCCGAAGCCGGTGGCCTAAC
CCTGTGGATGAGCCTCGTAAGGTTGAACT

>US201_F27

GGGGTGGGCCTACATGCAGTCGAGCGGTACACAGGCAGCTTGCTCCTTTGCTAAAAGCGGGACAGGTGTGAATTGTGTCT
GGAACTGTGTGTGGTGGAGGGATATCTCCTGTGAAACGCTATCTCTTACCCCATATCGTCTTCTCACCCCAGTGTGGGACC
TTCTCGCCTCTCGTCCCCTCATATGTCCCCATATGGTATTATCTTATGTGGGGTGAAAAGTCTCCTCTGCGACAATCTCCC
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TGCACTGTGGGCGAGCCTGTTGTGCC--CC-TGTCCCGT-GTGTAAGAA-AAGCCTCTTGGG-TGTGTA-GA-ACTTTTTCC-
GCGAAGAAA-AG-TGTTGTGTGT-AATA-TCCACACCAATTGT-GATTTCTCTCACAAAAAA-C-ACCC-
CGTATATCCCCGCGACA--AGCCGCGGGAA-TACAC-AGGGG-GCGCA-CGTTAATCTCAA-
TTACTGTGCGCATAGCGCACACAGGGGGTTTGTGTTATCTCATATGTGA--TCCCCGCGGTCTCA-C-TGTGGG-
CTGTGTTTTAGACAGTGG-A-GCTTGTGTCTCTCATAGAGGGGGAG-A-AATCTCC-GTGTGTCGCGGAGATGTGCATAGA--
TCTGTGGGAGAAT-C-GGTGGGGAGAG-CG-CGCCCCTGTG-CAAAAACAGTGACTCTC-G-TGCGCGAGCGTGTGGAG-
AACACAGAATTATATACCC-TGTG-ATTCCCCGCGCC-ATACGATGTCTCCTCGTGG-
GGTTGTGCGCTTTAGACGTGTGTTTTCGAGATCTCACGTTTT--
GTCTACCGCCTGTGGGAGTACAGCGGCGCGGGGATAACTCTCATGTGT-TTGTCACGGGGCCCCCGCAC--
GCGCTGGGAGAACGTGGTGTTTATATCTATGTGCCGCGCGAA-AAC-TCTATCTGTGGCTCGAGATCTCC-
AGAATCCCTCTCGCAGATGATGCGGAGAGT-
CCTTCCTCGGGAGACTCTTGAGACACGAGTGCCTGCCGATGGTGCTGTCGTCCACATCCTCGTCTGTTGAGGAAATGTGGT
GGGTATGAA-TCCCGCCGACAGACAGCAGGCGACAACCACCTG

>US201_R1492

GCGATCCAT-TGCCGGCGTGTATGAAGAAGGCT-TTCGGATG-GTAAGGTACTTTT-CCAGCGAAGGAAGAGGTGTTGTG-
GTTAATAATC-ACAGCAAT-GACG-TTACTCGCAGAAGAAAGCCACCGGC-TA-
AACTCCGTGCCAGCAGCCGCGGTAAATACGGGAGGGGTGCAAAGCGTTAATCGGAAATTACTGGGCGTAAAGCGCACGCA
GGCGGTTTGT-T-AAGTCAGATGTGAAATCCCCG-GG-CTCAACCTG-GGAACTGCATTT--
GAAACTGGCAAGCTTGAGTCTC--GTAGAGGGGGGGTAGAAT-TCCAG-GTGTAGCGGTGAAATGCGTAGAGATCTG-GAG-
GAATACCGGTGGCGA-AGGCGGCCCCCCTG-GACGAAGAC--TGACGCTCAGGTGCGAAAGCGTGGGGAGCAA-
ACAGGATTAGATACCCCTG-GTAGTCCACGC-CGTAAACGATGTCGACT--TGGAGGTTGTGCCCTTGAGGCGTG-
GCTTCCG-GAGCTAACGCGTTAAGTCGACCGCCTG-GGGAGTAC-G-GCCGCAAGGTTAAAACTCAAATGAATTG--
ACGGGGGCCC-GCACAAGCGGTGG-AGCATGTGGT-TTAAT-TCGATG--CAACGCGAAGAACCT-TACCTG-
GTCTTGACATC-CAGAGAATC---CT-GCAGA-GATGCGG-GAGTGCCTTC---GGGA-ACTCT-GAGACA-G-GTGC-TGC--
ATGG--CTGTCGT---CAGC-TCGT--GTTGTG-AAATGT--TGGGT-T-AAGTCCCG----CA-AC-G-AG-CG-CAAC--CCT-
TATCCTTTGTTGCCAGCACATAATGGTGGGAACTCAAAGGAGACTGCCGGTGATAAACCGGAGGAAGGTGGGGATGACGT
CAAGTCATCATGGCCCTTACGACCAGGGCTACACACGTGCTACAATGGCGCATACAAAGAGAAGCGACCTCGCGAGAGCA
AGCGGACCTCATAAAGTGCGTCGTAGTCCGGATTGGAGTCTGCAACTCGACTCCATGAAGTCGGAATCGCTAGTAATCGT
GGATCAGAATGCCACGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACACCATGGGAGTGGGTTGCAAAAGAA
GTAGGTAGCTTAACGTCGGAGACGCTATCACTTTGGAC

>Contig-4

GGGGTGGGCCTACATGCAGTCGAGCGGTACACAGGCAGCTTGCTCCTTTGCTAAAAGCGGGACAGGTGTGAATTGTGTCT
GGAACTGTGTGTGGTGGAGGGATATCTCCTGTGAAACGCTATCTCTTACCCCATATCGTCTTCTCACCCCAGTGTGGGACC
TTCTCGCCTCTCGTCCCCTCATATGTCCCCATATGGTATTATCTTATGTGGGGTGAAAAGTCTCCTCTGCGACAATCTCCC
TATGTGCTGAGAGGAGAACCCCCCCCCACTGTGGCTGTGACACGGTCCCCACACCCCCAGGGGGGGCCACTGGGGAAAATTT
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CCAGCGAAGAAAGAGGTGTTGTGTGTTAATAATCCACACCAATTGACGATTACTCGCACAAAAAAGCCACCCGCGTATAA
CCCCGCGACAGCAGCCGCGGGAAATACACGAGGGGTGCAAAGCGTTAATCGCAAATTACTGGGCGCAAAGCGCACACAGG
CGGTTTGTGTTAACTCAGATGTGAAATCCCCGCGGTCTCAACCTGTGGAACTGCATTTTAGAAACTGGCAAGCTTGAGTC
TCTCATAGAGGGGGAGTAGAATCTCCAGTGTGTAGCGGAGAAATGCATAGAGATCTGTGAGAGAATACCGGTGGCGAGA
GGCGGCCCCCCTGTGACAAAAACAGTGACGCTCAGGTGCGAAAGCGTGGGGAGCAACACAGAATTAGATACCCCTGTGTA
GTCCACGCGCCTAAACGATGTCGACTCGTGGAGGTTGTGCCCTTGAGACGTGTGCTTCCGAGAGCTAACGCGTTAAGTCG
ACCGCCTGTGGGAGTACAGCGCCGCAAGGATAAAACTCAAATGAATTGTCACGGGGCCCCCGCACAAGCGCTGGGAGAAC
GTGGTGTTAATATCGATGTGCAACGCGAAGAACCTCTACCTGTGGCTCGACATCTCAGAGAATCCCTCTCGCAGATGATG
CGGAGAGTGCCTTCCTCGGGAGACTCTTGAGACACGAGTGCCTGCCGATGGTGCTGTCGTCCACAGCCTCGTCTGTTGAGG
AAATGTGGTGGGTATGAAGTCCCGCCGACAGACAGCAGGCGACAACCACCTGTATCCTTTGTTGCCAGCACATAATGGTG
GGAACTCAAAGGAGACTGCCGGTGATAAACCGGAGGAAGGTGGGGATGACGTCAAGTCATCATGGCCCTTACGACCAGGG
CTACACACGTGCTACAATGGCGCATACAAAGAGAAGCGACCTCGCGAGAGCAAGCGGACCTCATAAAGTGCGTCGTAGTC

CGGATTGGAGTCTGCAACTCGACTCCATGAAGTCGGAATCGCTAGTAATCGTGGATCAGAATGCCACGGTGAATACGTTC
CCGGGCCTTGTACACACCGCCCGTCACACCATGGGAGTGGGTTGCAAAAGAAGTAGGTAGCTTAACGTCGGAGACGCTAT
CACTTTGGAC

Legend
KM001 & US201-unknown sample bacterial isolate, **F27**-forward primer
R1492-Reverse primer, **Contig**-continuous sequence of DNA created by assembling the overlapping sequence fragments of the genome by F27 and R1492 primers