S1 Fig.

## 16S-1 forward

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Majority                                                  GCGTAGGCGGACATGTAAGT
                                                                   10        20
Leptospira interrogans serovar Copenhag                   GCGTAGGCGGACATGTAAGT
Leptospira interrogans serovar Icteroha                   GCGTAGGCGGACATGTAAGT
Leptospira interrogans serovar Icteroha                   GCGTAGGCGGACATGTAAGT
Leptospira interrogans serovar Icteroha                   GCGTAGGCGGACATGTAAGT
Leptospira interrogans serovar Lai str.                   GCGTAGGCGGACATGTAAGT
Leptospira interrogans strain RGA.seq                     GCGTAGGCGGACATGTAAGT
Leptospira kirschneri serovar Cynopteri                   GCGTAGGCGGACATGTAAGT
Leptospira noguchii serovar Panama stra                   GCGTAGGCGGACATGTAAGT
Leptospira noguchii serovar Panama stra                   GCGTAGGCGGACATGTAAGT
Leptospira noguchii serovar Panama stra                   GCGTAGGCGGACATGTAAGT
Leptospira alexanderi serovar Manhao 3                    GCGTAGGCGGACATGTAAGT
Leptospira weilii serovar Celledoni str                   GCGTAGGCGGACATGTAAGT
Leptospira weilii strain Celledoni.seq                    GCGTAGGCGGACATGTAAGT
Leptospira borgpetersenii serovar Javan                   GCGTAGGCGGACATGTAAGT
Leptospira borgpetersenii serovar Javan                   GCGTAGGCGGACATGTAAGT
Leptospira borgpetersenii serovar Hardj                   GCGTAGGCGGACATGTAAGT
Leptospira santarosai serovar Shermani                    GCGTAGGCGGACATGTAAGT
Leptospira santarosai serovar Shermani                    GCGTAGGCGGACATGTAAGT
Leptospira kmetyi serovar Malaysia stra                   GCGTAGGCGGACATGTAAGT
Leptospira broomii strain 5399.seq                        GCGTAGGCGGATTTGTAAGT
Leptospira fainei serovar Hurstbridge s                   GCGTAGGCGGATTTGTAAGT
Leptospira fainei serovar Hurstbridge s                   GCGTAGGCGGATTTGTAAGT
Leptospira inadai serovar Lyme strain 1                   GCGTAGGCGGATTTGTAAGT
Leptospira licerasiae serovar Varillal                    GCGTAGGCGGACATGTAAGT
Leptospira wolffii serovar Khorat strai                   GCGTAGGCGGACTTGTAAGT
Leptospira biflexa serovar Patoc strain                   GTGTAGGCGGACTAACAAGT
Leptospira biflexa serovar Patoc strain                   GTGTAGGCGGACTAACAAGT
Leptospira biflexa serovar Patoc strain                   GTGTAGGCGGACTAACAAGT
Leptospira meyeri serovar Ranarum strai                   GTGTAGGCGGACTAACAAGT
Leptospira wolbachii serovar Codice str                   GTGTAGGCGGACTAACAAGT
Leptospira wolbachii strain CDC BIFLEXA                   GTGTAGGCGGACTAACAAGT
Leptospira vanthielii serovar Holland s                   GTGTAGGCGGACTAACAAGT
Leptospira terpstrae serovar Hualin str                   GTGTAGGCGGACTAACAAGT
Leptospira yanagawae serovar Saopaulo s                   GTGTAGGCGGACTAACAAGT
Leptospira idonii 16S ribosomal.seq                       GTGTAGGCGGATTAACAAGT
Borrelia sp. B31.seq                                      GAGTAGGCGGATATATAAGT
Brevibacillus brevis NBRC 100599 47.seq                   GCGCAGGCGGCTATGTAAGT
Turneriella parva DSM 21527.seq                           TCGCAGGTGGTTTGTTAAGT
Staphylococcus haemolyticus JCSC1435 st                   GCGTAGGCGGTTTTTTAAGT
Staphylococcus epidermidis RP62A strain                   GCGTAGGCGGTTTTTTAAGT
Staphylococcus aureus subsp. aureus N31                   GCGTAGGCGGTTTTTTAAGT
Streptococcus suis BM407 strain BM407.s                   GCGCAGGCGGTTTGATAAGT
Streptococcus mutans strain ATCC 25175.                   GCGCAGGCGGTCAGGAAAGT
Clostridium difficile 630 strain 630.se                   GCGTAGGCGGTCTTTCAAGT
Salmonella enterica subsp. enterica ser                   ACGCAGGCGGTCTGTCAAGT
Mycobacterium tuberculosis strain H37Rv                   TCGTAGGTGGTTTGTCGCGT
Escherichia coli O157:H7 str. Sakai str                   ACGCAGGCGGTTTGTTAAGT
Escherichia coli str. K-12 substr. MG16                   ACGCAGGCGGTTTGTTAAGT
Klebsiella pneumoniae subsp. pneumoniae                   ACGCAGGCGGTCTGTCAAGT
Borrelia recurrentis A1 strain A1.seq                     GAGTAGGCGGATTATGCAAGT
Borrelia miyamotoi.seq                                    GAGTAGGCGGATATGCAAGT
Borrelia hermsii DAH strain DAH.seq                       GAGTAGGCGGATATGCAAGT
Borrelia afzelii PKo strain PKo.seq                       GAGTAGGCGGATATATAAGT
Borrelia burgdorferi N40 strain N40.seq                   GAGTAGGCGGATATATAAGT
Borrelia garinii PBi strain PBi.seq                       GAGTAGGCGGATATATAAGT
Borrelia bissettii strain DN127.seq                       GAGTAGGCGGATATATAAGT
Treponema pallidum subsp. pallidum SS14                   ATGCAGGCGGACTGGTAAGC
Treponema denticola strain ATCC 35405.s                   ATGTAGGCGGTTAGGTAAGC
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## 16S-1 reverse

```
Majority                                                  CGTGGGTAGTGAACGGGATT
                                                                   10        20
Leptospira interrogans serovar Copenhag                   CGTGGGTAGTGAACGGGATT
Leptospira interrogans serovar Icteroha                   CGTGGGTAGTGAACGGGATT
Leptospira interrogans serovar Icteroha                   CGTGGGTAGTGAACGGGATT
Leptospira interrogans serovar Icteroha                   CGTGGGTAGTGAACGGGATT
Leptospira interrogans serovar Lai str.                   CGTGGGTAGTGAACGGGATT
Leptospira interrogans strain RGA.seq                     CGTGGGTAGTGAACGGGATT
Leptospira kirschneri serovar Cynopteri                   CGTGGGTAGTGAACGGGATT
Leptospira noguchii serovar Panama stra                   CGTGGGTAGTGAACGGGATT
Leptospira noguchii serovar Panama stra                   CGTGGGTAGTGAACGGGATT
Leptospira noguchii serovar Panama stra                   CGTGGGTAGTGAACGGGATT
Leptospira alexanderi serovar Manhao 3                    CGTGGGTAGTGAACGGGATT
Leptospira weilii serovar Celledoni str                   CGTGGGTAGTGAACGGGATT
Leptospira weilii strain Celledoni.seq                    CGTGGGTAGTGAACGGGATT
Leptospira borgpetersenii serovar Javan                   CGTGGGTAGTGAACGGGATT
Leptospira borgpetersenii serovar Javan                   CGTGGGTAGTGAACGGGATT
Leptospira borgpetersenii serovar Hardj                   CGTGGGTAGTGAACGGGATT
Leptospira santarosai serovar Shermani                    CGTGGGTAGTGAACGGGATT
Leptospira santarosai serovar Shermani                    CGCGGGTAGTGAACGGGATT
Leptospira kmetyi serovar Malaysia stra                   CGTGGGTAGTGAACGGGATT
Leptospira broomii strain 5399.seq                        CGTGGGTAGTGAAACGGGATT
Leptospira fainei serovar Hurstbridge s                   CGTGGGTAGTGAAACGGGATT
Leptospira fainei serovar Hurstbridge s                   CGTGGGTAGTGAAACGGGATT
Leptospira inadai serovar Lyme strain 1                   CGTGGGTAGTGAAACGGGATT
Leptospira licerasiae serovar Varillal                    CGTGGGTAGTGAAACGGGATT
Leptospira wolffii serovar Khorat strai                   CGTGGGTAGTGAAACGGGATT
Leptospira biflexa serovar Patoc strain                   CGTGGGTAGTGAACGGGATT
Leptospira biflexa serovar Patoc strain                   CGTGGGTAGTGAACGGGATT
Leptospira biflexa serovar Patoc strain                   CGTGGGTAGTGAACGGGATT
Leptospira meyeri serovar Ranarum strai                   CGTGGGTAGTGAACGGGATT
Leptospira wolbachii serovar Codice str                   CGTGGGTAGTGAACGGGATT
Leptospira wolbachii strain CDC BIFLEXA                   CGTGGGTAGTGAACGGGATT
Leptospira vanthielii serovar Holland s                   CGTGGGTAGTGAACGGGATT
Leptospira terpstrae serovar Hualin str                   CGTGGGTAGTGAACGGGATT
Leptospira yanagawae serovar Saopaulo s                   CGTGGGTAGTGAACGGGATT
Leptospira idonii 16S ribosomal.seq                       CGTGGGTAGTGAACGGGATT
Borrelia sp. B31.seq                                      CGTAGGGAGCAAACAGGATT
Brevibacillus brevis NBRC 100599 47.seq                   CGTGGGGAGCAAACAGGATT
Turneriella parva DSM 21527.seq                           TGCGGGGAGCAAACAGGATT
Staphylococcus haemolyticus JCSC1435 st                   CGTGGGGATCAAACAGGATT
Staphylococcus epidermidis RP62A strain                   CGTGGGGATCAAACAGGATT
Staphylococcus aureus subsp. aureus N31                   CGTGGGGATCAAACAGGATT
Streptococcus suis BM407 strain BM407.s                   CGTGGGGAGCGAACAGGATT
Streptococcus mutans strain ATCC 25175.                   CGTGGGTAGCGAACAGGATT
Clostridium difficile 630 strain 630.se                   CGTGGGGAGCAAACAGGATT
Salmonella enterica subsp. enterica ser                   CGTGGGGAGCAAACAGGATT
Mycobacterium tuberculosis strain H37Rv                   CGTGGGGAGCGAACAGGATT
Escherichia coli O157:H7 str. Sakai str                   CGTGGGGAGCAAACAGGATT
Escherichia coli str. K-12 substr. MG16                   CGTGGGGAGCAAACAGGATT
Klebsiella pneumoniae subsp. pneumoniae                   CGTGGGGAGCAAACAGGATT
Borrelia recurrentis A1 strain A1.seq                     CGTAGGGAGCAAACAGGATT
Borrelia miyamotoi.seq                                    CGTAGGGAGCAAACAGGATT
Borrelia hermsii DAH strain DAH.seq                       CGTAGGGAGCAAACAGGATT
Borrelia afzelii PKo strain PKo.seq                       CGTAGGTAGCAAACAGGATT
Borrelia burgdorferi N40 strain N40.seq                   CGTAGGGAGCAAACAGGATT
Borrelia garinii PBi strain PBi.seq                       CGTAGGGAGCAAACAGGATT
Borrelia bissettii strain DN127.seq                       CGTAGGGAGCAAACAGGATT
Treponema pallidum subsp. pallidum SS14                   TGTGGGGAGCGAACAGGATT
Treponema denticola strain ATCC 35405.s                   TGCGGGGAGCAAACAGGATT
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