

Bacterial 16S

V1-V3 domains (27F & 519R)

27F_A TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG TCGATCGGAAKRGTTYGATYNTGGCTCAG
27F_B TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG ATCTGTCATGGAAKRGTTYGATYNTGGCTCAG
27F_C TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG CGAGCAATCCACTCGAAKRGTTYGATYNTGGCTCAG
27F_D TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG GATCAGTCGTCTCACTCGAAKRGTTYGATYNTGGCTCAG

519R_A GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG CGGACTTGATGTACGAACGTNTBACCGCDGCTGCTG
519R_B GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG TCAGTAGCTACGCACGTNTBACCGCDGCTGCTG
519R_C GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG GATTAGCTGCACGTNTBACCGCDGCTGCTG
519R_D GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG ATCAGCAACGTNTBACCGCDGCTGCTG

V4-V5 domains (515F & 806R) (also detect Archeal 16S)

515F_A TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG TCGATCGGAGTGCCAGCMGCCGCGGTAA
515F_B TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG ATCTGTCATGGAGTGCCAGCMGCCGCGGTAA
515F_C TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG CGAGCAATCCACTCGAGTGCCAGCMGCCGCGGTAA
515F_D TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG GATCAGTCGTCTCACTCGAGTGCCAGCMGCCGCGGTAA

806R_A GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG CGGACTTGATGTACGAACGGACTACHVGGGTWTCTAAT
806R_B GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG TCAGTAGCTACGCACGGACTACHVGGGTWTCTAAT
806R_C GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG GATTAGCTGCACGGACTACHVGGGTWTCTAAT
806R_D GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG ATCAGCAACGGACTACHVGGGTWTCTAAT

V3-V4 domains

Bac341F TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG CCTACGGGNGGCWGCAG
Bac785R GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG GACTACHVGGGTATCTAATCC

Fungal ITS

ITS1F TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG CTTGGTCATTTAGAGGAAGTAA
ITS2R GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG GCTGCGTTCTTCATCGATGC

Protozoal 18S (V3-V4)

P-SSU-316F TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG GCTTTTCGWTGGTAGTGTATT
GIC758R GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG CAACTGTCTCTATKAAAYCG

in black: overhangs for appending the Illumina Nextera adaptor sequences

In red: spacers

in blue: target sequence

* all the primers have been modified from their original sources to be compatible with the Illumina platform