

Primers for Metabarcoding Sequencing by NGS

Primer	Sequence	Reference
16S bacterial metabarcoding		
27F	5'- AGA GTT TGA TCC TGG CTC AG -3'	HMP - Lane DJ, 1991
68F	5'- TNA NAC ATG CAA GTC GRR CG -3'	McAllister SM, 2011
341F	5'- CCT ACG GGN GGC WGC AG -3'	ILMN - Klindworth A, 2013
341F_UMI	5'- NNN NNN NNN NCC TAC GGG NGG CWG CAG -3'	Klindworth A, 2013
515F-C	5'- GTG CCA GCM GCC GCG GTA A -3'	EMP - JC Caporaso, 2011
519F	5'- GTG CCA GCT GCC GCG GTA ATA C -3'	Dufresne S, 1996
518R	5'- WTT ACC GCG GCT GCT GG -3'	Turner S, 1999
799F	5'- AAC MGG ATT AGA TAC CCK G -3'	Beckers B, 2016
534R	5'- ATT ACC GCG GCT GCT GG -3'	HMP - Muyzer G, 1993
783R	5'- CTA CCV GGG TAT CTA ATC CBG -3'	Sakai M, 2004
785mod	5'- GAC TAC HVG GGT ATC TAA KCC -3'	Klindworth A, 2013
805R	5'- GAC TAC HVG GGT ATC TAA TCC -3'	ILMN - Klindworth A, 2013
926R	5'- CCG YCA ATT YMT TTR AGT TT -3'	EMP - C Quince, 2011
1061R	5'- ACA TTT CAC AAC ACG AGC TGA CGA -3'	Chakravorty S, 2007
1185mR	5'- GAY TTG ACG TCA TCC M -3'	Hodkinson BP & Lutzoni F, 2009
ITS 2 fungal metabarcoding		
gITS7	5'- GTG AAT CAT CGA RTC TTT G -3'	Ihrmark K, 2012
ITS4	5'- TCC TCC GCT TAT TGA TAT GC -3'	White TJ, 1990
ITS1-F	5'- TCC GTA GGT GAA CCT GCG G -3'	White TJ, 1990
ITS2-R	5'- GCT GCG TTC TTC ATC GAT GC -3'	White TJ, 1990
ITS1-30F	5'- GTC CCT GCC CTT TGT ACA CA -3'	Usyk M, 2017
ITS1-217R	5'- TTT CGC TGC GTT CTT CAT CG -3'	Usyk M, 2017
18S microbial eukaryotic metabarcoding		
Euk_1391F	5'- GTA CAC ACC GCC CGT C -3'	EMP - 18S V9
EukBr_R	5'- TGA TCC TTC TGC AGG TTC ACC TAC -3'	EMP - 18S V9
18S_FR1	5'- ANC CAT TCA ATC GGT ANT -3'	Vainio EJ, 2000
18S_FF390	5'- CGA TAA CGA ACG AGA CCT -3'	Vainio EJ, 2000