



Grassi, G., Cescatti, A., Matthews, R., Duveiller, G., Camia, A., Federici, S., House, J., De Noblet-Ducoudré, N., Pilli, R., & Vizzarri, M. (2019). On the realistic contribution of European forests to reach climate objectives. *Carbon Balance and Management*, 14(1), [8].  
<https://doi.org/10.1186/s13021-019-0123-y>

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## Online Resource 1

### Primer pairs and PCR conditions used in this study

Primer	Sequence (5'-3') <sup>a</sup>	Target gene	Fragment length	Reference	Amplification details	Application
515F-Y <sup>b</sup> 926R <sup>b</sup>	GTG YCA GCM GCC GCG GTA A CCG YCA ATT YMT TTR AGT TT	16S rRNA <i>Bacteria + Archaea</i>	c 450 bp	Parada et al. 2015	95°C 3 min; 25 cycles: 95°C 45 s 50°C 45 s 68°C 90 s; 68°C 5 min	Illumina sequencing
338F 518R	ACT CCT ACG GGA GGC AGC AGC AG ATT ACC GCG GCT GCT GG	16S rRNA <i>Bacteria</i>	197 bp	Muyzer et al. 1993	95°C 30s; 40 cycles: 95°C 30 s 50°C 30 s 72°C 45 s	qPCR
340F 1000R	CCC TAY GGG GYG CAS CAG GAG ARG WRG TGC ATG GCC	16S rRNA <i>Archaea</i>	660 bp	Gantner et al. 2010	98°C 3 min; 40 cycles: 95°C 30 s 57°C 30 s 72°C 30 s	qPCR

<sup>a</sup> D=G, A or T; H=A, T or C; K=G or T; M=A or C; R=A or G; S=G or C; W=A or T; Y=C or T

<sup>b</sup> Primers linked in 5' to Illumina overhang adapter sequences:

Forward overhang (TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG)

Reverse overhang (GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG)