
Table S1: Primers used in this study. The abbreviations Gr and Dr, respectively, indicate the myxomycete group (b = bright-spored, d = dark-spored) and the direction of a primer (F = forward, R = reverse).

| Marker | Gr | Dr | Name | Sequence 5' -> 3' | Source |
|---------------|-----------|-----------|-------------|-----------------------------|-------------------------|
| 18S rDNA | d | F | S3bF | TCTCTCTGAATCTGCGwAC | Hoppe & Schnittler 2015 |
| 18S rDNA | d | F | S2 | TGGTTGATCCTGCCAGTAGTGT | Fiore-Donno et al. 2012 |
| 18S rDNA | d | R | S31R | ATCTCTCAGGCCCACTCTCCAGG | Schnittler et al. 2017 |
| 18S rDNA | d | R | SU19R | GACTTGCCTCTAATTGTTACTCG | Fiore-Donno et al. 2012 |
| 18S rDNA | b | F | SFAtri | AATCTGCGAACGGCTCCGTA | Feng & Schnittler 2015 |
| 18S rDNA | b | R | SR4Bright | TGCTGGCACCAGACTTGT | Feng & Schnittler 2015 |
| EF1A | d | F | EF1a_DS_F1 | ATCTACAAGTGCGGTGGTA | this study |
| EF1A | d | R | EMerR1b | GGGGTTGTATCCGATCTTC | Feng et al. 2016 |
