**Table S1** Fungal species used in the phylogenetic analysis of *D. eschscholtzii* MFLUCC 19-0493 with the corresponding GenBank accession numbers.

|  |  |  |
| --- | --- | --- |
| **Species** | **Strain number** | **GenBank accession numbers** |
| **ITS**  | **LSU** | **RPB2** |
| *A. atroroseum* | ATCC 76081 | AJ390397  | KY610422  | KY62423 |
| *A. michelianum*  | CBS 119993 |  KX376320  | KY610423  | KY624234 |
| *A. moriforme* | CBS 123579  | KX376321  | KY610425  | KY624289 |
| *A. nitens*  | MFLUCC 12-0823 | KJ934991  | KJ934992 | KJ934994 |
| *A. stygium*  | MUCL 54601  | KY610409  | KY610475  | KY624292 |
| *D. bambusicola*  | CBS 122872 | KY610385 | KY610431 | KY624241 |
| *D. caldariorum*  | MUCL 49211 | AM749934 | KY610433 | KY624242 |
| *D. dennisii*  | CBS 114741  | JX658477  | KY610435  | KY624244 |
| *D. eschscholtzii*  | KC 1616 | JX658496 |  |  |
| *D. eschscholtzii*  | MFLUCC18-0177 | MK587659 | MK587746 | MK625010 |
| *D. eschscholtzii*  | MUCL 47965 | JX658482 |  |  |
| *D. eschscholtzii*  | CBS 117735 | JX658480 |  |  |
| *D. eschscholtzii*  | MUCL 45434 | JX658484 |  |  |
| *D. eschscholtzii*  | CBS 116037 | JX658492 |  |  |
| *D. eschscholtzii*  | MUCL 43508 | JX658495 |  |  |
| *D. eschscholtzii*  | CBS 113047  | AY616684 |  |  |
| *D. eschscholtzii*  | CBS 116037(2) | JX658499 |  |  |
| *D. eschscholtzii*  | CBS 116035  | JX658498 |  |  |
| *D. eschscholtzii*  | MUCL 38740  | JX658493 |  |  |
| ***D. eschscholtzii***  | **MFLCCC 19-0493** | **MN704648** |  |  |
| *D. eschscholtzii*  | CBS 117741  | JX658491 |  |  |
| *D. eschscholtzii*  | MFLUCC19-0153 | MK587661 | MK587748 | MK625012 |
| *D. eschscholtzii*  | CBS 113042  | JX658497 |  |  |
| *D. eschscholtzii*  | CBS 116032  | JX658500 |  |  |
| *D. eschscholtzii*  | MUCL 41777  | JX658486  |  |  |
| *D. eschscholtzii*  | MUCL 41778  | JX658494 |  |  |
| *D. eschscholtzii*  | KC1699  | JX658490 |  |  |
| *D. eschscholtzii*  | CBS 117740  | JX658481 |  |  |
| *D. eschscholtzii*  | CBS 122877  | JX658439  |  |  |
| *D. korfii*  | STMA14089  | KY204020 |  |  |
| *D. loculatoides* | CBS 113279  | MH862918  | KY610438  | KY624247 |
| *D. macaronesica* | CBS 113040  | KY610477  |  KY610477  | KY624294 |
| *D. petriniae*  | MUCL 49214 |  | KY610439  | KY624248 |
| *D. placentiformis* | MUCL 47603  | AM749921  | KY610440  | KY624249 |
| *D. pyrenaica* | MUCL 53969  | KY610413  |  | KY624274 |
| *D. steglichii* | MUCL 43512  | KY610399  | KY610479  | KY624250 |
| *D. theissenii* | CBS 113044  | KY610388  | KY610441  | KY624251 |
| *D. vernicosa*  | CBS 119316 |  KY610395  | KY610442  | KY624252 |
| *E. liquescens* | ATCC 46302  | KY610389  | KY610443  | KY624253 |
| *H ticinense*  | CBS 115271  | JQ009317  | KY610471  | KY624272 |
| *H. carneum* | MUCL 54177  | KY610400  | KY610480  | KY624297 |
| *H. cercidicola*  | CBS 119009  | KC968908  | KY610444  | KY624254 |
| *H. crocopeplum*  | CBS 119004  | KC968907  | KY610445  | KY624255 |
| *H. fendleri*  | MUCL 54792  | KF234421  | KY610481  | KY624298 |
| *H. fragiforme* | MUCL 51264  | KC477229  | KM186295  | KM186296 |
| *H. fuscum* | CBS 113049  | KY610401  | KY610482  | KY624299 |
| *H. griseobrunneum* | CBS 331073  | KY610402  | KY610483  | KY624300 |
| *H. haematostroma* | MUCL 53301  | KC968911  | KY610484  | KY624301 |
| *H. howeanum*  | MUCL 47599  | AM749928  | KY610448  | KY624258 |
| *H. hypomiltum*  | MUCL 51845  | KY610403  | KY610449  | KY624302 |
| *H. investiens*  | CBS 118183  | KC968925  | KY610450  | KY624259 |
| *H. lateripigmentum* | MUCL 53304  | KC968933  | KY610486 |  KY624304 |
| *H. lenormandii*  | CBS 119003  | KC968943  | KY610452  | KY624261  |
| *H. monticulosum*  | MUCL 54604  | KY610404  | KY610487  | KY624305 |
| *H. musceum*  | MUCL 53765  | KC968926  | KY610488  | KY624306 |
| *H. nicaraguense* | CBS 117739 | AM749922 |  |  |
| *H. papillatum* | ATCC 58729  | KC968919  | KY610454 | KY624223 |
| *H. perforatum*  | CBS 115281  | KY610391  | KY610455  | KY624224 |
| *H. petriniae*  | CBS 114746  | KY610405  | KY610491  | KY624279 |
| *H. porphyreum*  | CBS 119022  | KC968921  | KY610456  | KY624225 |
| *H. pulicicidum*  | CBS 122622 |  JX183075  | KY610492  | KY624280 |
| *H. rubiginosum* | MUCL 52887  | KC477232  | KY610469  | KY624266 |
| *H. samuelsii* | MUCL 51843  | KC968916  | KY610466  | KY624269 |
| *H. submonticulosum* | CBS 115280  | KC968923  | KY610457  | KY624226 |
| *H. trugodes* | MUCL 54794  | KF234422  | KY610493  | KY624282 |
| *J. multiformis* | CBS 119016  | KC477234  | KY610473  | KY624290 |
| *R. angolense* | CBS 126414  | KY610420  | KY610459 | KY624228 |
| *R. pseudoannulata* | MUCL 51394  | KY610406  | KY610494  | KY624286 |
| *R. terebratum* | CBS 119137  | DQ631943  | DQ840069  | DQ631954  |
| *T. dendroidea*  | CBS 123578 | FN428831 | KY610467 | KY624232 |
| *X. hypoxylon* | CBS 122620  | KY610407  | KY610495  | KY624231 |
| *X. polymorpha*  | MUCL 49884  | KY610408  | KY610464  | KY624288  |

ATCC: American Type Culture Collection, Virginia, USA: CBS: Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, KC: Kew Culture Collection, United Kingdom, MFLUCC: Mae Fah Luang University Culture Collection, Chiang Rai, Thailand, MUCL: Université Catholique de Louvain, Belgium.