**Table 1.** Specimens used in the phylogenetic analyses with their GenBank accession numbers.

|  |  |  |  |
| --- | --- | --- | --- |
| *Species* | *Strain* | *GenBank accession No.* | |
|  |  | **ITS** | **LSU** |
| *Mucor abortisporangium* | CGMCC 3.16133 | NR\_191161 | NG\_244094 |
| *Mucor albicolonia* | CNUFC CY2027 | PP844894 | - |
| *Mucor albicolonia* | CNUFC CY2028 | PP844895 | - |
| *Mucor amphibiorum* | CBS 763.74 | NR\_103615 | NG\_057877 |
| *Mucor amphisporus* | CGMCC 3.16134 | OL678181 | - |
| *Mucor ardhlaengiktus* | CBS 210.80 | NR\_152960 | NG\_069778 |
| *Mucor ardhlaengiktus* | URM 8592 | OQ034611 | OQ034577 |
| *Mucor azygosporus* | CBS 292.63 | NR\_103639 | NG\_057928 |
| *Mucor caatingaensis* | URM 7322 | KT960376 | NG\_060334 |
| *Mucor cerradoensis* | **URM 9092** | **PQ741862** | **PQ757921** |
| *Mucor cerradoensis* | **URM 9048** | **PQ742164** | **PQ757929** |
| *Mucor chuxiongensis* | NYNU 174111 | NR\_185548 | NG\_228784 |
| *Mucor falcatus* | CBS 251.35 | NR\_103647 | NG\_057931 |
| *Mucor gigasporus* | CBS 566.91 | JN206247 | NG\_057926 |
| *Mucor guilliermondii* | CBS 174.27 | NR\_103636 | NG\_057923 |
| *Mucor hyalinosporus* | CGMCC 3.16145 | NR\_191172 | NG\_244098 |
| *Mucor inaequisporus* | CBS 496.66 | JN206179 | JN206501 |
| *Mucor indicus* | CBS 226.29 | HM999956 | NG\_057878 |
| *Mucor indicus* | CBS 671.79 | JN206183 | - |
| *Mucor merdophylus* | URM 7908 | MK775467 | MK775466 |
| *Mucor minutus* | CBS 586.67 | NR\_152958 | NG\_066156 |
| *Mucor minutus* | URM 8362 | MW436702 | - |
| *Mucor nederlandicus* | CBS 735.70 | JN206176 | JN206503 |
| *Mucor odoratus* | CBS 130.41 | NR\_145287 | NG\_057927 |
| *Mucor orantomantidis* | CNUFC MID1-1 | NR\_164587 | NG\_067828 |
| *Mucor orantomantidis* | CNUFC MID1-2 | MH594738 | MH591458 |
| *Mucor orientalis* | CGMCC 3.16148 | NR\_191175 | - |
| *Mucor paraorantomantidis* | CNUFC CY205 | PP844901 | - |
| *Mucor pernambucoensis* | URM 7640 | MH155323 | NG\_242444 |
| *Mucor prayagensis* | CBS 816.70 | MH859957 | JN206496 |
| *Mucor radiatus* | CGMCC 3.16149 | NR\_191176 | - |
| *Mucor radiatus* | XY08167 | OL678210 | - |
| *Mucor rhizosporus* | CGMCC 3.16150 | NR\_191177 | - |
| *Mucor sp.* | CBS 334.71 | JN206248 | JN206518 |
| *Mucor ucrainicus* | CBS 221.71 | JN206191 | MT523853 |
| *Mucor variisporus* | CBS 837.70 | NR\_152951 | NG\_057972 |
| *Mucor zychae* | CBS 416.67 | NR\_103641 | NG\_057930 |
| *Backusella circina* | CBS 128.70 | NR\_103649 | NG\_058649 |

CBS Culture Collection of the Westerdijk Fungal Biodiversity Institute, the Netherlands; CGMCC China General Microbiological Culture Collection Center, China; CNUFC, Chonnam National University Fungal Collection, Gwangju, South Korea; NYNU Microbiology Lab, Nanyang Normal University, Henan, China; URM Culture Collection, Universidade Federal de Pernambuco, Recife, Brazil; XY indicates that the strain is preserved at both Shandong Normal University and Beijing Forestry University (Zhao et al. 2023).