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| **Study** | **Group** | **Marker** | **Outgroup** |
| Baldauf & Doolittle 1997 | Mycetozoa | EF1A | Archaea |
| Erastova et al. 2013 | Physarales | 18S rDNA | *Meriderma*, *Comatricha* |
| Fiore-Donno et al. 2005 | Myxogastria | 18S rDNA, EF1A | *Acanthamoeba*, *Dictyostelium* |
| Fiore-Donno et al. 2008 | Dark-spored myxomycetes | 18S rDNA | *Echinostelium* |
| Fiore-Donno et al. 2009 | Myxogastria | 18S rDNA, EF1A | Dictyostelia, *Ceratiomyxa* |
| Fiore-Donno et al. 2010 | Mycetozoa | 18S rDNA, EF1A | *Nuclearia* |
| Fiore-Donno et al. 2011 | *Lamproderma* | 18S rDNA, EF1A, ITS1 | *Macbrideola*, *Stemonitis*, *Symphytocarpus* |
| Fiore-Donno et al. 2012 | Dark-spored myxomycetes | 18S rDNA | Echinosteliales |
| Fiore-Donno et al. 2013 | Bright-spored myxomycetes | 18S rDNA, EF1A | *Ceratiomyxa* |
| Fiore-Donno et al. 2018 | Myxogastria | 18S rDNA, EF1A | Protosporangiida, Dictyostelia, Variosea |
| García-Martín et al. 2018 | *Physarum* | 18S rDNA, EF 1A | Didymiaceae |
| Kang et al. 2017 | Amoebozoa | 325 genes transriptome | Obazoa |
| Kretzschmar et al. 2016 | Echinosteliales,  Stemonitidales, Physarales | 18S rDNA | Variosea, *Ceratiomyxa* |
| Lahr et al. 2011 | Amoebozoa | 18S rDNA, actin genes | Opisthokonta |
| Leontyev et al. 2014a | Reticulariaceae | 18S rDNA | *Ceratiomyxa*, *Cribraria* |
| Leontyev et al. 2014b | Reticulariaceae | 18S rDNA | *Ceratiomyxa*, *Cribraria* |
| Leontyev et al. 2015 | Reticulariaceae | 18S rDNA | *Cribraria* |
| Liu et al. 2015 | Myxogastria | 18S rDNA, COI | *Dictyostelium* |
| Miller et al. 2017 | Myxomycetes | mt 16S rDNA | Bacteria, Plants, Protostelia, Dictyostelia |
| Nandipati et al. 2012 | Physarales | Group I introns within ribosomal genes | *Stemonitis* |
| Shadwick et al. 2009 | Amoebozoa | 18S rDNA | Main eukaryotic supergroups |
| Shchepin et al. 2016 | *Lepidoderma* | 18S rDNA, EF1A, COI | *Physarum* |
| Walker et al. 2015 | Trichiaceae | 18S rDNA | *Tubifera* |
| Wrigley de Basanta et al. 2015 | *Didymium* | 18S rDNA | *Physarum*, *Fuligo* |
| Wrigley de Basanta et al. 2017 | *Didymium* | 18S rDNA, EF1A | *Physarum* |