

Nomenclatural novelties : Alexander B. Doweld

Polyphagales Doweld, ord.nov.

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Thallus interbiotic, monocentric, eucarpic, functions as a prosporangium with an apical pore, bearing much branched, strongly polyphagous rhizoids. Zoospores posteriorly uniflagellate, with lipid globule associated with microbodies, mitochondria, and rumposome (fenestrated cisterna) oriented toward the posterior end of the zoospore; with a laterally directed striated rootlet; concentric layers of cisternae traversing the ribosomal aggregation; membranous labyrinth associated with the nucleus; hexagonally organized cell coat; cytoplasmic spines scattered over the cell surface. Resting spores sexually formed in conjugation tube produced by 1 of 2 conjugating thalli.

Holotype *Polyphagus* Nowakowski.