

Nomenclatural novelties : Alexander B. Doweld

**Rozellomycota** Doweld, phyl.nov.

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Intracellular obligate parasites phagocytize host organelles, penetration of the host via a germ tube. Cells amoeboid, multinucleate, protoplast surrounded by a single membrane, unwalled; pseudopodia-like extensions interdigitated between and partially extended around host organelles; microtubules underlie the plasma membrane in a random pattern and extend into cytoplasmic extensions. Zoospores bilaterally symmetrical, posteriorly uniflagellate, flagellum inserted at the base of a lateral, posteriorly directed canal, smooth, with a striated, fibrous, cone-shaped, solid rhizoplast associated with the functional kinetosome; single large mitochondrion displaces the helmet-shaped nucleus anteriorly; kinetosome exceptionally long, transitional zone not well-defined, possesses struts to the plasma membrane; with two centrioles, several globules forming a single cluster, gamma-like particles and vesicular mitochondrial cristae as flattened, finger-like lobes with constricted attachment at the inner membrane; ribosomes scattered throughout the cytoplasm. Resting spores thick-walled.

Holotype *Rozella Cornu*.