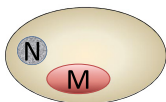


## a) Intracellular structure

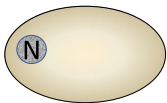
Standard structure of eukarya cell:

- *Homo sapiens*
- *Cryptococcus bacillisporus* WM276



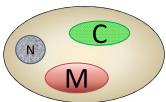
Exception:

- *Microsporidia*



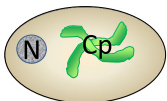
Standard structure of photosynthetic eukarya cell:

- *Micromonas* sp. RCC99
- *Arabidopsis thaliana*
- *Oryza sativa japonica* group
- *Ostreococcus lucimarinus* CCE9901
- *Ostreococcus tauri* OTTH0595



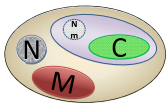
Photosynthetic eukarya exception 1:

- *Paulinella chromatophora*

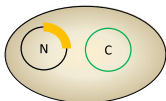


Photosynthetic eukarya exception 2:

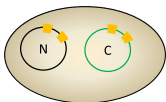
- *Guillardia theta*



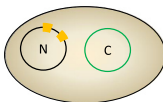
## b) PG gene repartition between cellular genomes



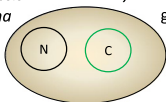
*Micromonas* sp. RCC299



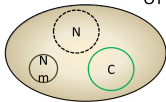
*Arabidopsis thaliana*



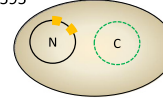
*Oryza sativa japonica* group



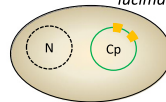
*Ostreococcus tauri* OTTH0595



*Guillardia theta*



*Ostreococcus lucimarinus* CCE9901



*Paulinella chromatophora*



Complete genome



unavailable genome



Genome contain a partial PG gene set



Genome contain a complete PG gene-set