

Description of Additional Supplementary Files

Supplementary Data 1: BUSCO proteins found in Metamonada based on searches for 245 proteins present in at least one taxon.

Supplementary Data 2: DNA replication and repair orthologs in 18 diverse eukaryotic genomes.

Supplementary Data 3: Additional genomes queried during the searches for ORC, Cdc6 and Ndc80 proteins.

Supplementary Data 4: Spindle assembly, kinetochore and APC/C orthologs in 18 diverse eukaryotic genomes.

Supplementary Data 5: Lengths of Orc1-6, Cdc6 and Orc1/Cdc6-like proteins and domain architecture comparisons between metamonads and other eukaryotes.

Supplementary Data 6: Orc1, Cdc6 and Orc1/Cdc6-likeproteins.