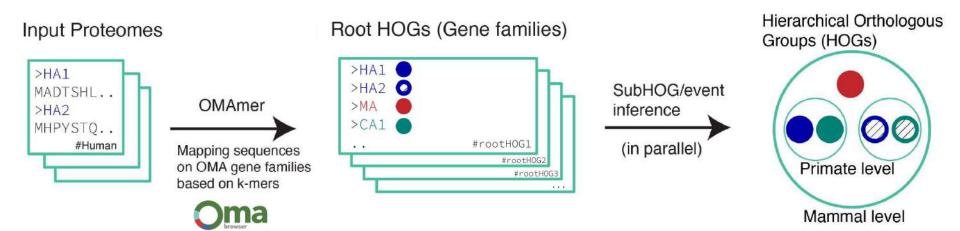
Module 3: FastOMA

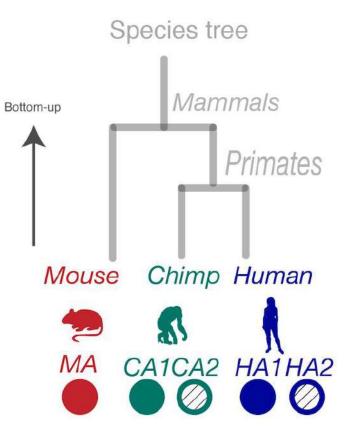




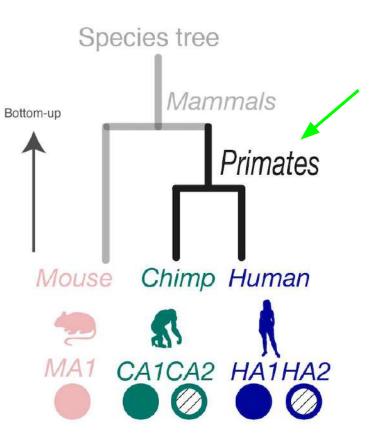


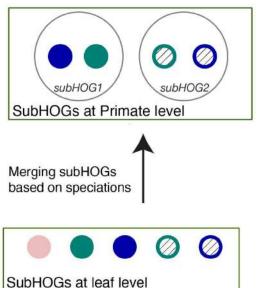
FastOMA, our new tool

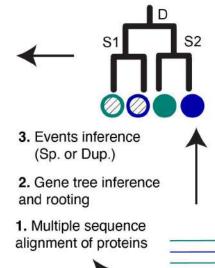


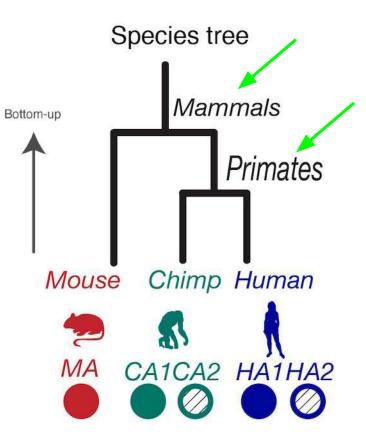


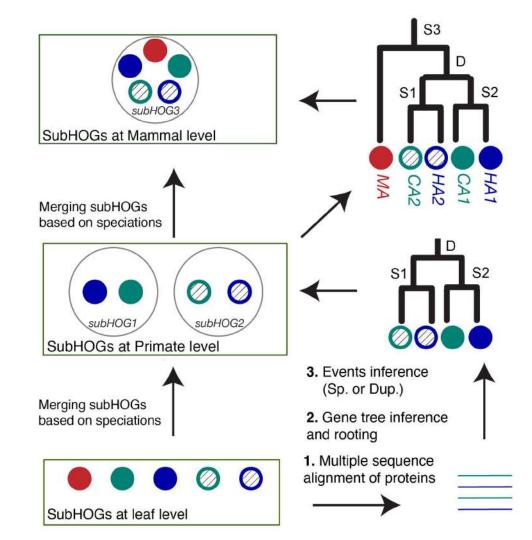




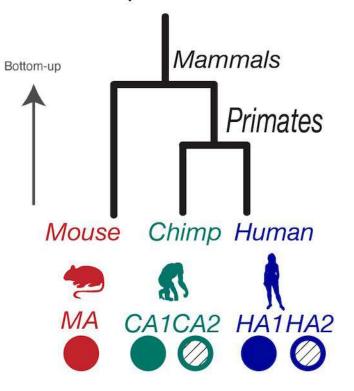






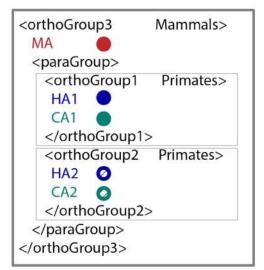


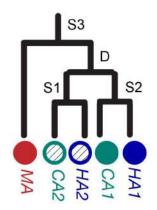
Species tree



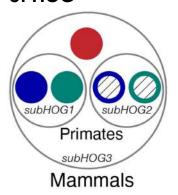


HOG in orthoXML





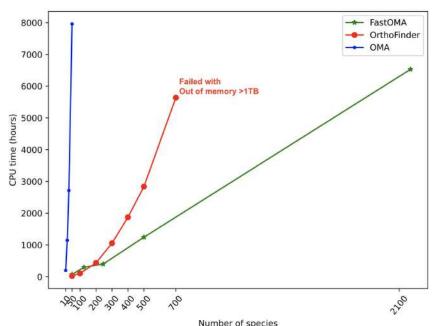
Nested structure of HOG



Orthology inference for Eukaryote dataset

- 2180 eukaryotic species
- Uniprot reference proteomes
- in a single day using 300 CPUs





Module 3.3

· 4. How many Root HOGs are in the HOG file?



• 5. Consider the gene "60S ribosomal protein L15-A" in Schizosaccharomyces pombe with protein ID: RL15A_SCHPO. How many proteins are in the gene family (for these 5 species of interest)?