

Download Genomic
and transcriptomic
data

Identification of
orthologous gene
Families

(BUSCO)

N = 1,507 species

Life history traits

N = 969 species

RNA-seq Alignment
on reference genome
(HISAT2)

Genome



Gene Expression
(FPKM)

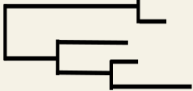
(Cufflinks)

Major- & Minor-
isoform introns

N = 491 species
N = 15,935 RNA-seq

Phylogenetic tree
Reconstruction

(RAxML-NG)



CDS sequence
alignment

(PRANK)



dN/dS computation

(bio++)

N = 1,324 species