Hira OG counts in descendant nodes

Bilateria
Cnidaria
Tadh
Mlei
Porifera
Choanoflagellata
Filasterea
Ichthyosporea
Clim
Fungi
Falb
Ttra
Pygbif
Amoebozoa
CRuMs
Ancyromonadida
Malawimonadidae
Meteor
Streptophyta
Chlorophyta
Rhodophyta
Cpar
Cryptista
Stramenopiles
Alveolata
Rhizaria
Haptista
Hemimastigophora
Discoba
Metamonada

0   20   40   60   80   100
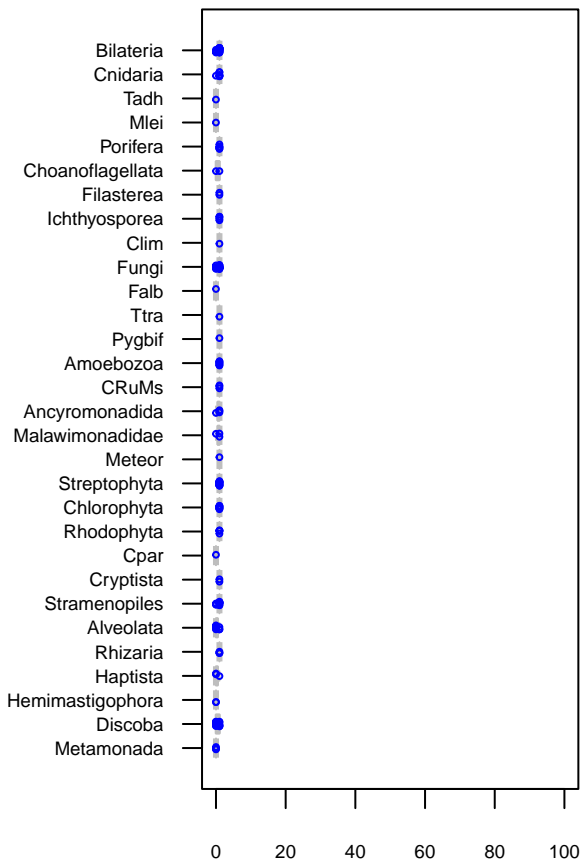
Hira gene counts in descendant nodes

Bilateria
Cnidaria
Tadh
Mlei
Porifera
Choanoflagellata
Filasterea
Ichthyosporea
Clim
Fungi
Falb
Ttra
Pygbif
Amoebozoa
CRuMs
Ancyromonadida
Malawimonadidae
Meteor
Streptophyta
Chlorophyta
Rhodophyta
Cpar
Cryptista
Stramenopiles
Alveolata
Rhizaria
Haptista
Hemimastigophora
Discoba
Metamonada

0   50   100   150   200   250   300   350
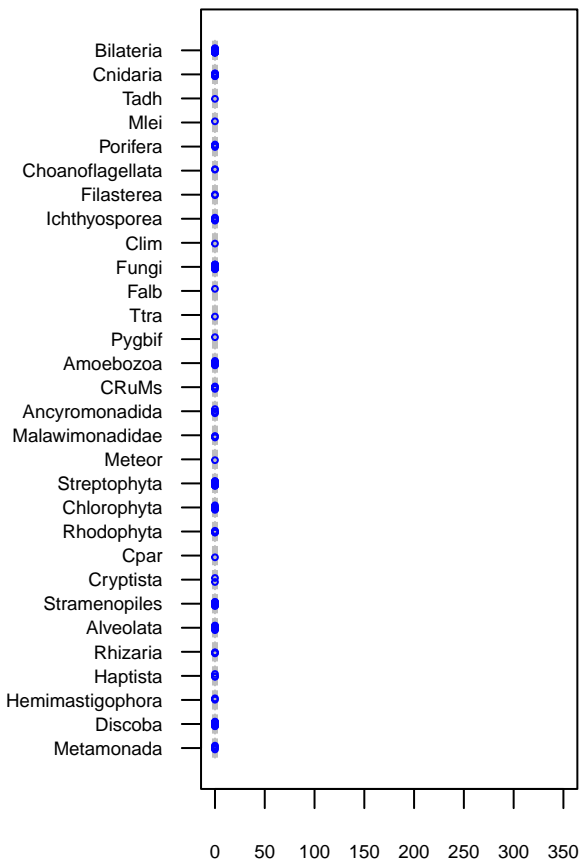
Gains and losses in ancestral nodes, Hira

StrAlv

SAR

SARHap

Viridiplantae

Archaeplastida

ArchaeCry

Diaphoratickes

Holomycota

Teretosporea

CniTri

BilCniTri

Metazoa

Choanozoa

Filozoa

Holozoa

Opisthokonta

Obazoa

Amorphea

AmorCRUM

−20   −10   0   10   20
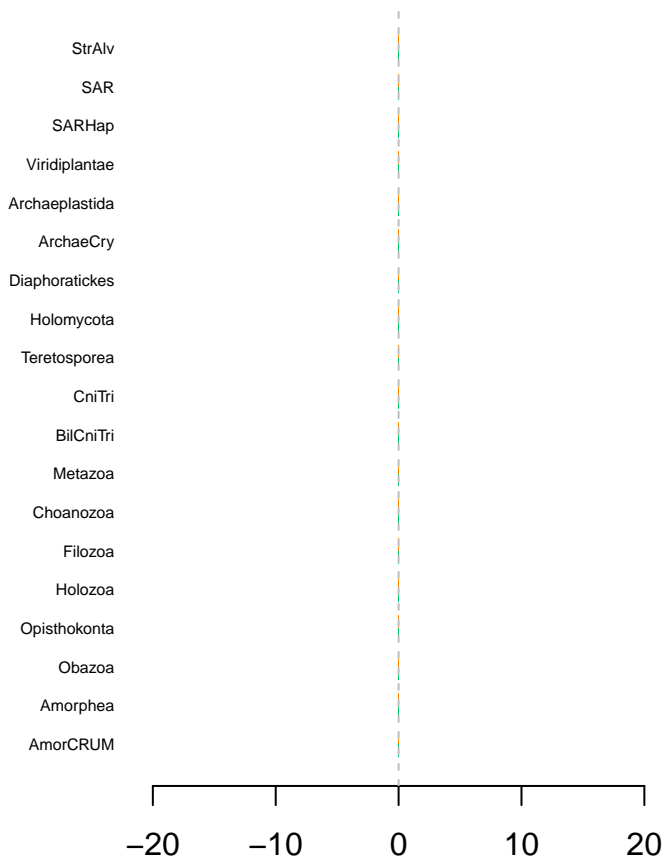
Gains and losses in extant nodes, Hira

Metamonada	
Discoba	
Hemimastigophora	
Haptista	
Rhizaria	
Alveolata	
Stramenopiles	
Cryptista	
Cpar	
Rhodophyta	
Chlorophyta	
Streptophyta	
Meteor	
Malawimonadidae	
Ancyromonadida	
CRuMs	
Amoebozoa	
Pygbif	
Ttra	
Falb	
Fungi	
Clim	
Ichthyosporea	
Filasterea	
Choanoflagellata	
Porifera	
Mlei	
Tadh	
Cnidaria	
Bilateria	

−40   −20   0   20   40
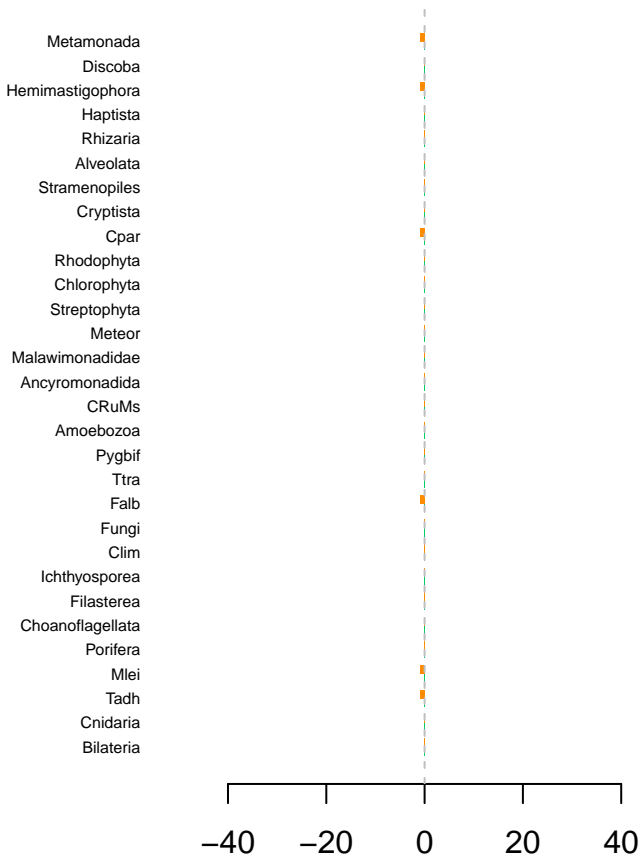
Presence in extant nodes, Hira

Metamonada n = 0
Discoba n = 1
Hemimastigophora n = 0
Haptista n = 1
Rhizaria n = 1
Alveolata n = 1
Stramenopiles n = 1
Cryptista n = 1
Cpar n = 0
Rhodophyta n = 1
Chlorophyta n = 1
Streptophyta n = 1
Meteor n = 1
Malawimonadidae n = 1
Ancyromonadida n = 1
CRuMs n = 1
Amoebozoa n = 1
Pygbif n = 1
Ttra n = 1
Falb n = 0
Fungi n = 1
Clim n = 1
Ichthyosporea n = 1
Filasterea n = 1
Choanoflagellata n = 1
Porifera n = 1
Mlei n = 0
Tadh n = 0
Cnidaria n = 1
Bilateria n = 1

0   20   40   60   80   100

Presence in ancestral nodes, Hira

StrAlv n = 1	
SAR n = 1	
SARHap n = 1	
Viridiplantae n = 1	
Archaeplastida n = 1	
ArchaeCry n = 1	
Diaphoratickes n = 1	
Holomycota n = 1	
Teretosporea n = 1	
CniTri n = 1	
BilCniTri n = 1	
Metazoa n = 1	
Choanozoa n = 1	
Filozoa n = 1	
Holozoa n = 1	
Opisthokonta n = 1	
Obazoa n = 1	
Amorphea n = 1	
AmorCRUM n = 1	

0   20   40   60   80   100