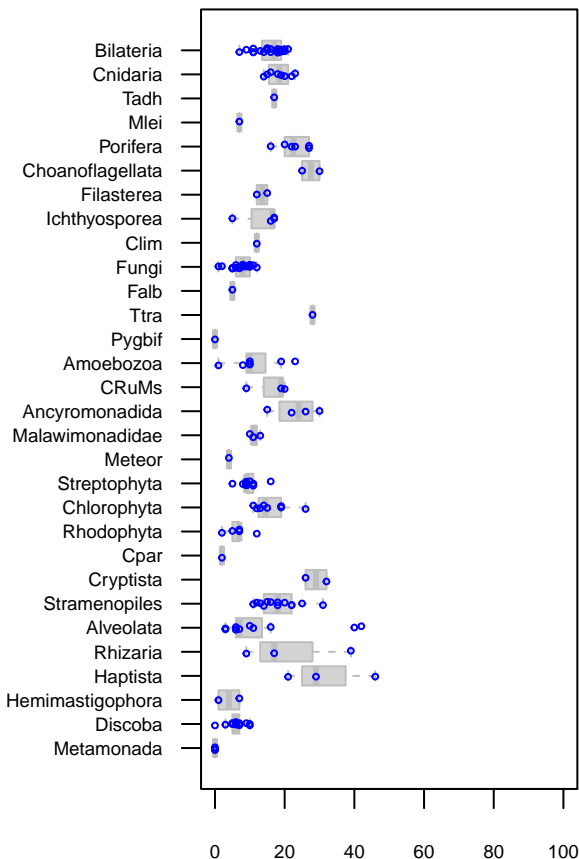**CupinJmjC OG counts in descendant nodes**
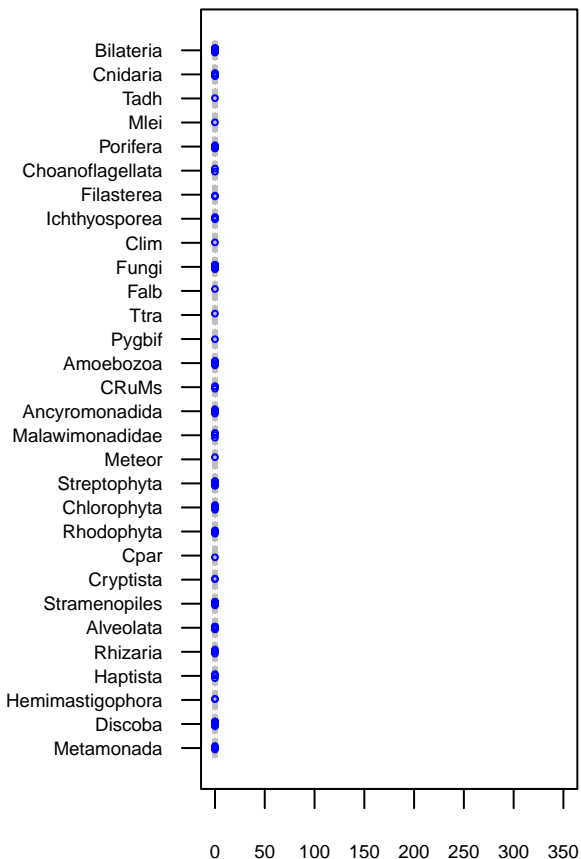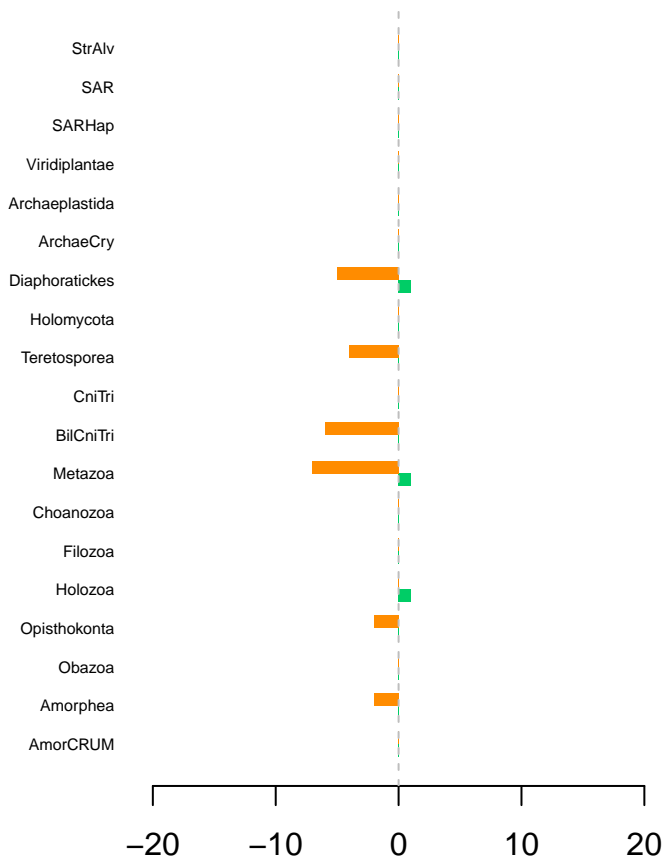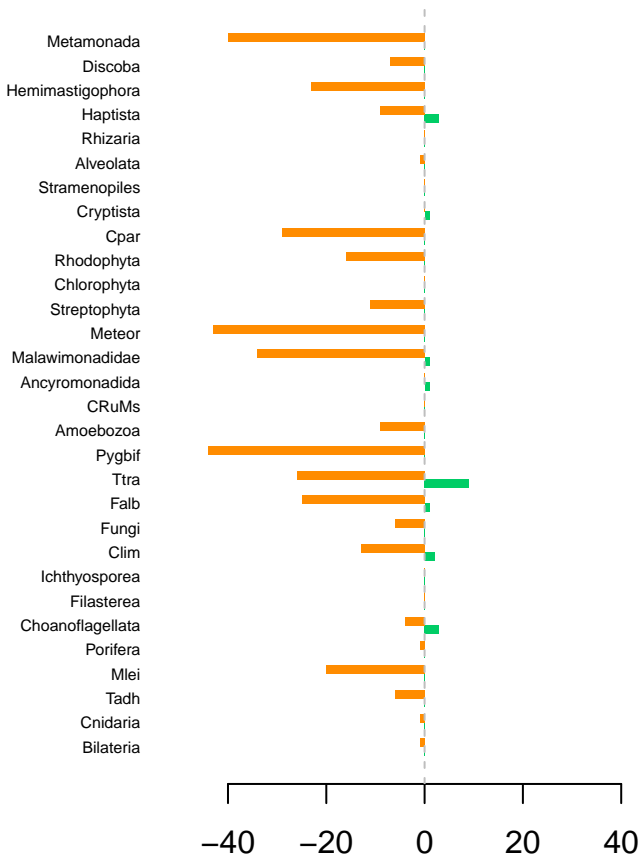
CupinJmjC gene counts in descendant nodes

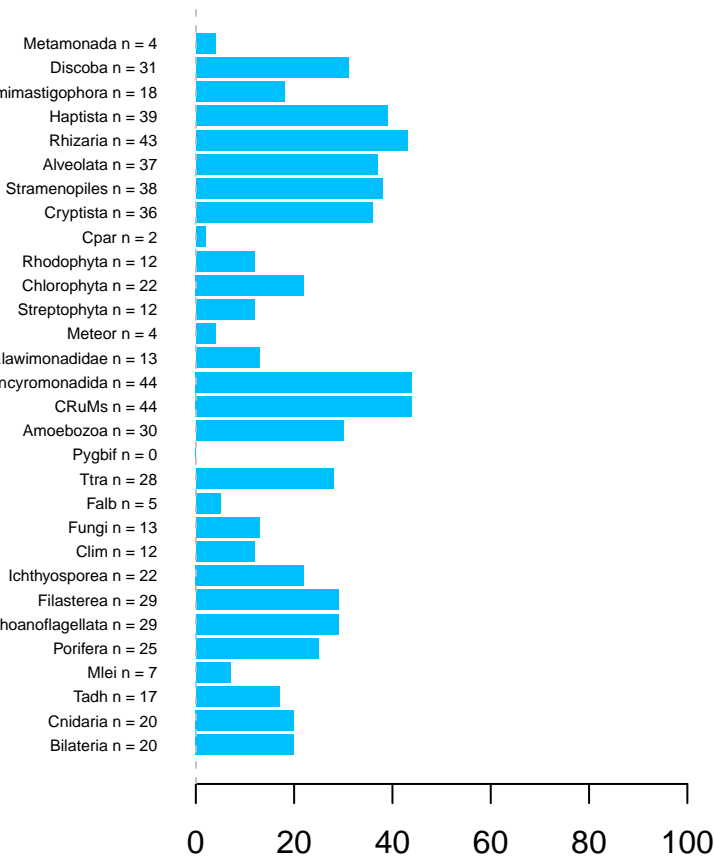**Gains and losses in ancestral nodes, CupinJmjC**

Gains and losses in extant nodes, CupinJmjC

Presence in extant nodes, CupinJmjC

Label	Value
Metamonada n = 4	
Discoba n = 31	
Animastigophora n = 18	
Haptista n = 39	
Rhizaria n = 43	
Alveolata n = 37	
Stramenopiles n = 38	
Cryptista n = 36	
Cpar n = 2	
Rhodophyta n = 12	
Chlorophyta n = 22	
Streptophyta n = 12	
Meteor n = 4	
Malawimonadidae n = 13	
Ancyromonadida n = 44	
CRuMs n = 44	
Amoebozoa n = 30	
Pygbif n = 0	
Ttra n = 28	
Falb n = 5	
Fungi n = 13	
Clim n = 12	
Ichthyosporea n = 22	
Filasterea n = 29	
Choanoflagellata n = 29	
Porifera n = 25	
Mlei n = 7	
Tadh n = 17	
Cnidaria n = 20	
Bilateria n = 20	

0   20   40   60   80   100

Presence in ancestral nodes, CupinJmjC