

## Readers gain in Opisthokonta



N=4 at  $p \geq 0.50$

## Readers gain in Bilateria



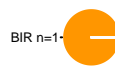
N=5 at  $p \geq 0.50$

## Readers gain in Hemichordata



N=3 at  $p \geq 0.50$

## Readers gain in *Insecta*



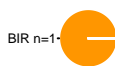
N=1 at  $p \geq 0.50$

## Readers gain in Holozoa



N=4 at  $p \geq 0.50$

## Readers gain in Deuterostomia



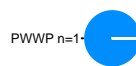
N=1 at  $p \geq 0.50$

## Readers gain in Protostomia



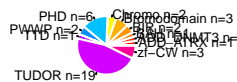
N=1 at  $p \geq 0.50$

## Readers gain in Arachnida



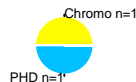
N=1 at  $p \geq 0.50$

## Readers gain in Metazoa



N=41 at  $p \geq 0.50$

## Readers gain in Vertebrata



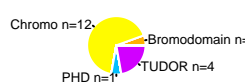
N=2 at  $p \geq 0.50$

## Readers gain in ArtTardi



N=4 at  $p \geq 0.50$

## Readers gain in Tardigrada



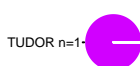
N=18 at  $p \geq 0.50$

## Readers gain in BilCniTri



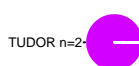
N=6 at  $p \geq 0.50$

## Readers gain in Ambulacraria



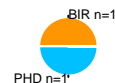
N=1 at  $p \geq 0.50$

## Readers gain in Pancrustacea



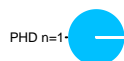
N=2 at  $p \geq 0.50$

## Readers gain in Lophotrochozoa



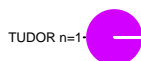
N=2 at  $p \geq 0.50$

### Readers gain in Kryptozoa



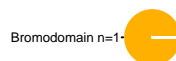
N=1 at  $p \geq 0.50$

### Readers gain in HydScyCubozoa



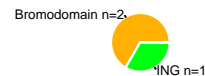
N=1 at  $p \geq 0.50$

### Readers gain in Teretosporea



N=1 at  $p \geq 0.50$

### Readers gain in Fungi



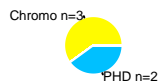
N=3 at  $p \geq 0.50$

### Readers gain in Platyhelmintha



N=3 at  $p \geq 0.50$

### Readers gain in Demospongiae



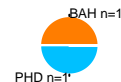
N=5 at  $p \geq 0.50$

### Readers gain in Ichthyophonida



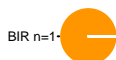
N=1 at  $p \geq 0.50$

### Readers gain in Dikarya



N=2 at  $p \geq 0.50$

### Readers gain in Cnidaria



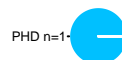
N=1 at  $p \geq 0.50$

### Readers gain in Calcarea



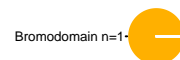
N=8 at  $p \geq 0.50$

### Readers gain in SarcCfra



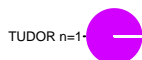
N=1 at  $p \geq 0.50$

### Readers gain in Basidiomycota



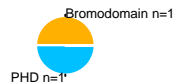
N=1 at  $p \geq 0.50$

### Readers gain in Scleractinia



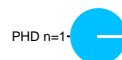
N=1 at  $p \geq 0.50$

### Readers gain in Choanoflagellata



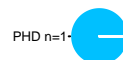
N=2 at  $p \geq 0.50$

### Readers gain in Holomycota



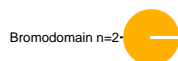
N=1 at  $p \geq 0.50$

### Readers gain in Agaricomycotina



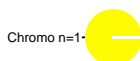
N=1 at  $p \geq 0.50$

### Readers gain in Mucoromycota



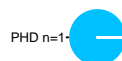
N=2 at  $p \geq 0.50$

### Readers gain in Chytridiomycetes



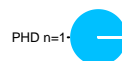
N=1 at  $p \geq 0.50$

### Readers gain in RigiDiph



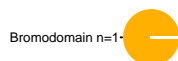
N=1 at  $p \geq 0.50$

### Readers gain in Diaphoricketes



N=1 at  $p \geq 0.50$

### Readers gain in MortGlom



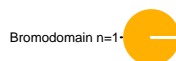
N=1 at  $p \geq 0.50$

### Readers gain in Blastocladiomycota



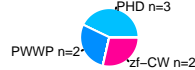
N=3 at  $p \geq 0.50$

### Readers gain in AncyPlano



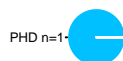
N=1 at  $p \geq 0.50$

### Readers gain in Viridiplantae



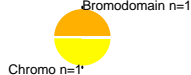
N=7 at  $p \geq 0.50$

### Readers gain in Mucorales



N=1 at  $p \geq 0.50$

### Readers gain in Amoebozoa



N=2 at  $p \geq 0.50$

### Readers gain in Malawimonadidae



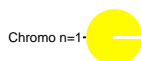
N=4 at  $p \geq 0.50$

### Readers gain in Streptophyta



N=7 at  $p \geq 0.50$

### Readers gain in Zoopagomycota



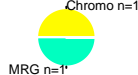
N=1 at  $p \geq 0.50$

### Readers gain in Eumycetozoa



N=4 at  $p \geq 0.50$

### Readers gain in Malawimonas



N=2 at  $p \geq 0.50$

### Readers gain in Embryophyta



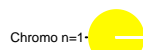
N=7 at  $p \geq 0.50$

### Readers gain in Tracheophyta



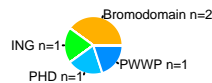
N=1 at  $p \geq 0.50$

### Readers gain in Charophyta



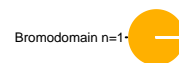
N=1 at  $p \geq 0.50$

### Readers gain in Mamiellophyceae



N=5 at  $p \geq 0.50$

### Readers gain in Stramenopiles



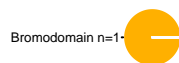
N=1 at  $p \geq 0.50$

### Readers gain in Euphyllophyta



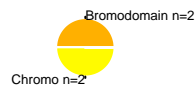
N=1 at  $p \geq 0.50$

### Readers gain in Tetraphytina



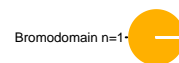
N=1 at  $p \geq 0.50$

### Readers gain in Rhodophyta



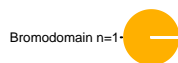
N=4 at  $p \geq 0.50$

### Readers gain in Ochrophyta



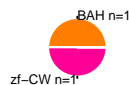
N=1 at  $p \geq 0.50$

### Readers gain in Monocots



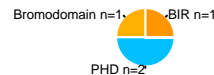
N=1 at  $p \geq 0.50$

### Readers gain in Chlorophyceae



N=2 at  $p \geq 0.50$

### Readers gain in Cryptista



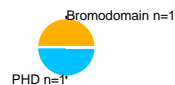
N=4 at  $p \geq 0.50$

### Readers gain in Diatomista



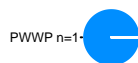
N=2 at  $p \geq 0.50$

### Readers gain in Bryophyta



N=2 at  $p \geq 0.50$

### Readers gain in Ulvophyceae



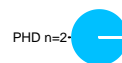
N=1 at  $p \geq 0.50$

### Readers gain in SARHap



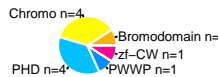
N=3 at  $p \geq 0.50$

### Readers gain in Phaeophyceae



N=2 at  $p \geq 0.50$

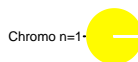
## Readers gain in Haptista



- Acety/transf\_1
- ADO\_ATRX
- ADO\_DNMT3
- AF9
- ASF1\_hist\_chap
- BAH
- BIR
- Bromodomain
- CAF1A
- CAF1C

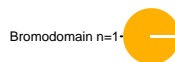
N=11 at  $p \geq 0.50$

## Readers gain in Discoba



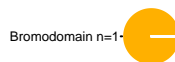
N=1 at  $p \geq 0.50$

## Readers gain in Trypanosomatida



N=1 at  $p \geq 0.50$

## Readers gain in Metamonada



N=1 at  $p \geq 0.50$