

common gain from Eukaryota on



N=78 at  $p \geq 0.50$

common gain from Opisthokonta on



N=48 at  $p \geq 0.50$

common gain from Metazoa on



N=36 at  $p \geq 0.50$

common gain from Chordata on



N=9 at  $p \geq 0.50$

common gain from AmorpCRUM on



N=57 at  $p \geq 0.50$

common gain from Holozoa on



N=40 at  $p \geq 0.50$

common gain from BilCniTri on



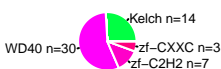
N=34 at  $p \geq 0.50$

common gain from VertTuni on



N=6 at  $p \geq 0.50$

common gain from Amorphea on



N=54 at  $p \geq 0.50$

common gain from Filozoa on



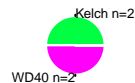
N=37 at  $p \geq 0.50$

common gain from Bilateria on



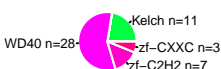
N=28 at  $p \geq 0.50$

common gain from Vertebrata on



N=4 at  $p \geq 0.50$

common gain from Obazoa on



N=49 at  $p \geq 0.50$

common gain from Choanozoa on



N=36 at  $p \geq 0.50$

common gain from Deuterostomia on



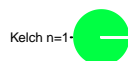
N=13 at  $p \geq 0.50$

common gain from Ambulacraria on



N=5 at  $p \geq 0.50$

common gain from Hemichordata on



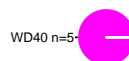
N=1 at  $p \geq 0.50$

common gain from Arthropoda on



N=13 at  $p \geq 0.50$

common gain from Tardigrada on



N=5 at  $p \geq 0.50$

common gain from AnnKryp on



N=9 at  $p \geq 0.50$

common gain from Echinodermata on



N=3 at  $p \geq 0.50$

common gain from Pancrustacea on



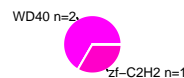
N=6 at  $p \geq 0.50$

common gain from Spiralia on



N=11 at  $p \geq 0.50$

common gain from Annelida on



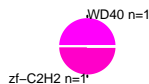
N=3 at  $p \geq 0.50$

common gain from Protostomia on



N=23 at  $p \geq 0.50$

common gain from Insecta on



N=2 at  $p \geq 0.50$

common gain from Lophotrochozoa on



N=10 at  $p \geq 0.50$

common gain from Kryptozoa on



N=6 at  $p \geq 0.50$

common gain from ArtTardi on



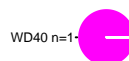
N=18 at  $p \geq 0.50$

common gain from Arachnida on



N=7 at  $p \geq 0.50$

common gain from Mollusca on



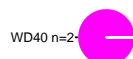
N=1 at  $p \geq 0.50$

common gain from Brachiozoa on



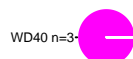
N=5 at  $p \geq 0.50$

common gain from Platyhelmintha on



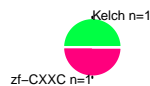
N=2 at  $p \geq 0.50$

common gain from Actinaria on



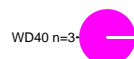
N=3 at  $p \geq 0.50$

common gain from ScyCubozoa on



N=2 at  $p \geq 0.50$

common gain from HomoCalc on



N=3 at  $p \geq 0.50$

common gain from CniTri on



N=14 at  $p \geq 0.50$

common gain from Scleractinia on



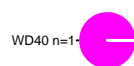
N=3 at  $p \geq 0.50$

common gain from Porifera on



N=4 at  $p \geq 0.50$

common gain from Calcarea on



N=1 at  $p \geq 0.50$

common gain from Cnidaria on



N=12 at  $p \geq 0.50$

common gain from HydScyCubozoa on



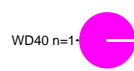
N=8 at  $p \geq 0.50$

common gain from Demospongiae c



N=1 at  $p \geq 0.50$

common gain from Choanoflagellata on



N=1 at  $p \geq 0.50$

common gain from Anthozoa on



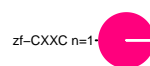
N=6 at  $p \geq 0.50$

common gain from Hydrozoa on



N=6 at  $p \geq 0.50$

common gain from EphyTet on



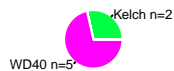
N=1 at  $p \geq 0.50$

common gain from Filasterea on



N=3 at  $p \geq 0.50$

common gain from Teretosporea or



N=7 at  $p \geq 0.50$

common gain from Holomycota on



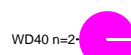
N=20 at  $p \geq 0.50$

common gain from DikaMuco on



N=10 at  $p \geq 0.50$

common gain from Pezizomycotina o



N=2 at  $p \geq 0.50$

common gain from Ichthyosporaea o



N=6 at  $p \geq 0.50$

common gain from Fungi on



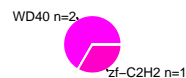
N=20 at  $p \geq 0.50$

common gain from Dikarya on



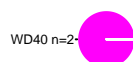
N=6 at  $p \geq 0.50$

common gain from Basidiomycotina o



N=3 at  $p \geq 0.50$

common gain from Ichthyophonida o



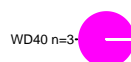
N=2 at  $p \geq 0.50$

common gain from Eufungi on



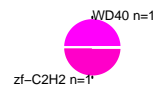
N=18 at  $p \geq 0.50$

common gain from Ascomycota on



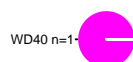
N=3 at  $p \geq 0.50$

common gain from Agaricomycotina o



N=2 at  $p \geq 0.50$

common gain from SarcCfra on



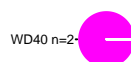
N=1 at  $p \geq 0.50$

common gain from TerFun on



N=13 at  $p \geq 0.50$

common gain from saccharomyceta o



N=2 at  $p \geq 0.50$

common gain from Mucoromycotina o



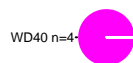
N=5 at  $p \geq 0.50$

common gain from MortGlomMuco c



N=5 at  $p \geq 0.50$

common gain from Zoopagomycota c



N=4 at  $p \geq 0.50$

common gain from Amoebozoa on



N=7 at  $p \geq 0.50$

common gain from Dictyosteliales o



N=3 at  $p \geq 0.50$

common gain from MortGlom on



N=3 at  $p \geq 0.50$

common gain from Chytridiomycota c



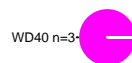
N=4 at  $p \geq 0.50$

common gain from EvoDiscosea on



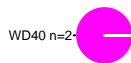
N=6 at  $p \geq 0.50$

common gain from Acytosteliales o



N=3 at  $p \geq 0.50$

common gain from Mucorales on



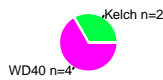
N=2 at  $p \geq 0.50$

common gain from Chytridiomycetes



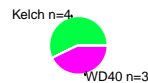
N=4 at  $p \geq 0.50$

common gain from Evosea on



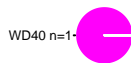
N=6 at  $p \geq 0.50$

common gain from CRuMs on



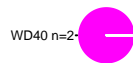
N=7 at  $p \geq 0.50$

common gain from Mucorineae on



N=1 at  $p \geq 0.50$

common gain from Blastocladiomycot:



N=2 at  $p \geq 0.50$

common gain from Eumycetozoa o



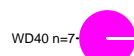
N=6 at  $p \geq 0.50$

common gain from RigiDiph on



N=4 at  $p \geq 0.50$

common gain from Ancyromonadida



N=7 at  $p \geq 0.50$

common gain from Malawimonas or



N=6 at  $p \geq 0.50$

common gain from Viridiplantae or



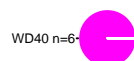
N=24 at  $p \geq 0.50$

common gain from Tracheophyta or



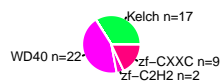
N=15 at  $p \geq 0.50$

common gain from AncyPlano on



N=6 at  $p \geq 0.50$

common gain from Diaphoratickes c



N=50 at  $p \geq 0.50$

common gain from Streptophyta or



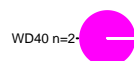
N=22 at  $p \geq 0.50$

common gain from Euphyllophyta or



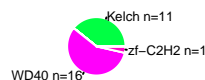
N=13 at  $p \geq 0.50$

common gain from Ancyromonadidae



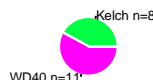
N=2 at  $p \geq 0.50$

common gain from ArchaeCry on



N=28 at  $p \geq 0.50$

common gain from Embryophyta or



N=19 at  $p \geq 0.50$

common gain from Spermatophyta or



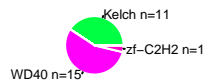
N=8 at  $p \geq 0.50$

common gain from Malawimonadidae



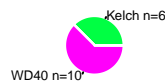
N=8 at  $p \geq 0.50$

common gain from Archaeplastida c



N=27 at  $p \geq 0.50$

common gain from TrachBryophyta c



N=16 at  $p \geq 0.50$

common gain from Angiospermae or



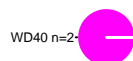
N=5 at  $p \geq 0.50$

common gain from Eudicots on



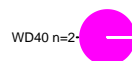
N=3 at  $p \geq 0.50$

common gain from Bryophyta on



N=2 at  $p \geq 0.50$

common gain from Chlorulvophy on



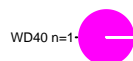
N=2 at  $p \geq 0.50$

common gain from EurhPorp on



N=4 at  $p \geq 0.50$

common gain from Pentapetalae on



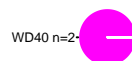
N=1 at  $p \geq 0.50$

common gain from Charophyta on



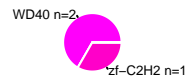
N=4 at  $p \geq 0.50$

common gain from Ulvophyceae on



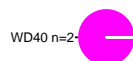
N=2 at  $p \geq 0.50$

common gain from Eurhodophytina on



N=3 at  $p \geq 0.50$

common gain from Monocots on



N=2 at  $p \geq 0.50$

common gain from Chlorophyta on



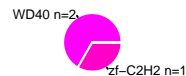
N=3 at  $p \geq 0.50$

common gain from Trebouxiophyceae on



N=1 at  $p \geq 0.50$

common gain from Florideophyceae on



N=3 at  $p \geq 0.50$

common gain from Polypodiopsida on



N=4 at  $p \geq 0.50$

common gain from Tetrphytina on



N=3 at  $p \geq 0.50$

common gain from Rhodophyta on



N=5 at  $p \geq 0.50$

common gain from Cryptista on



N=2 at  $p \geq 0.50$

common gain from SARHap on



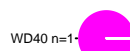
N=31 at  $p \geq 0.50$

common gain from Gyrista on



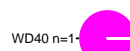
N=6 at  $p \geq 0.50$

common gain from PhaeoNanno or



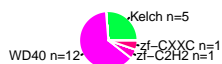
N=1 at  $p \geq 0.50$

common gain from Thraustochytrida on



N=1 at  $p \geq 0.50$

common gain from SAR on



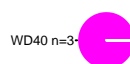
N=19 at  $p \geq 0.50$

common gain from Ochrophyta on



N=3 at  $p \geq 0.50$

common gain from Oomycota on



N=3 at  $p \geq 0.50$

common gain from Alveolata on



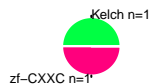
N=5 at  $p \geq 0.50$

common gain from StrAlv on



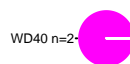
N=15 at  $p \geq 0.50$

common gain from DiatPelag on



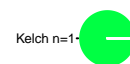
N=2 at  $p \geq 0.50$

common gain from PhytAlbu on



N=2 at  $p \geq 0.50$

common gain from ApiDino on



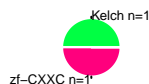
N=1 at  $p \geq 0.50$

common gain from Stramenopiles o



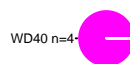
N=10 at  $p \geq 0.50$

common gain from Diatomista on



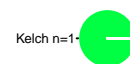
N=2 at  $p \geq 0.50$

common gain from Labyrinthulea o



N=4 at  $p \geq 0.50$

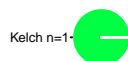
common gain from ApiChrom on



N=1 at  $p \geq 0.50$



common gain from Apicomplexa or



N=1 at  $p \geq 0.50$

common gain from Cercozoa on



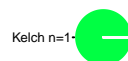
N=3 at  $p \geq 0.50$

common gain from Discicristata on



N=7 at  $p \geq 0.50$

common gain from Andalucina on



N=1 at  $p \geq 0.50$

common gain from Ciliata on



N=4 at  $p \geq 0.50$

common gain from Haptista on



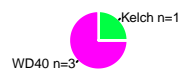
N=13 at  $p \geq 0.50$

common gain from Heterolobosea o



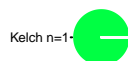
N=7 at  $p \geq 0.50$

common gain from Histionina on



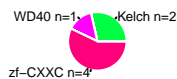
N=4 at  $p \geq 0.50$

common gain from Oligohymenophore



N=1 at  $p \geq 0.50$

common gain from Prymnesiophyceae



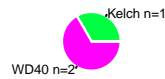
N=7 at  $p \geq 0.50$

common gain from TetraPhary on



N=5 at  $p \geq 0.50$

common gain from JakSec on



N=3 at  $p \geq 0.50$

common gain from Rhizaria on



N=4 at  $p \geq 0.50$

common gain from Discoba on



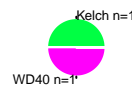
N=11 at  $p \geq 0.50$

common gain from Jakobida on



N=5 at  $p \geq 0.50$

common gain from Jakoba on



N=2 at  $p \geq 0.50$

common gain from Metamonada or



N=5 at  $p \geq 0.50$

- Acyltransferase
- AGO\_1778
- AGO\_20473
- APT
- ASPT1\_hm\_00ap
- BBT
- BBT
- Bm20000000
- CAP1A
- CAP1C