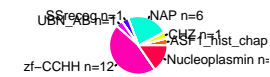
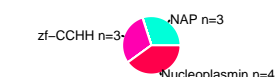


Chaperones gain from Eukaryota on



N=26 at  $p \geq 0.50$

Chaperones gain from Opisthokonta



N=10 at  $p \geq 0.50$

Chaperones gain from Metazoa on



N=7 at  $p \geq 0.50$

Chaperones gain from Chordata on



N=1 at  $p \geq 0.50$

Chaperones gain from Amorphozoa on



N=15 at  $p \geq 0.50$

Chaperones gain from Holozoa on



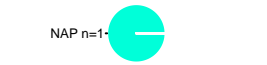
N=9 at  $p \geq 0.50$

Chaperones gain from BilCniTri on



N=4 at  $p \geq 0.50$

Chaperones gain from VertTuni on



N=1 at  $p \geq 0.50$

Chaperones gain from Amorphea on



N=13 at  $p \geq 0.50$

Chaperones gain from Filozoa on



N=7 at  $p \geq 0.50$

Chaperones gain from Bilateria on



N=2 at  $p \geq 0.50$

Chaperones gain from Ambulacraria on



N=2 at  $p \geq 0.50$

Chaperones gain from Obazoa on



N=10 at  $p \geq 0.50$

Chaperones gain from Choanozoa on



N=7 at  $p \geq 0.50$

Chaperones gain from Deuterostomia



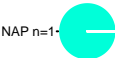
N=2 at  $p \geq 0.50$

Chaperones gain from Hemichordata



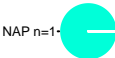
N=2 at  $p \geq 0.50$

Chaperones gain from Protostomia c



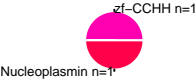
N=1 at  $p \geq 0.50$

Chaperones gain from Lophotrochozo:



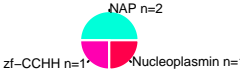
N=1 at  $p \geq 0.50$

Chaperones gain from CniTri on



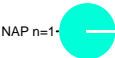
N=2 at  $p \geq 0.50$

Chaperones gain from Porifera on



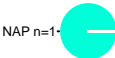
N=4 at  $p \geq 0.50$

Chaperones gain from ArtTardi on



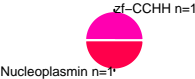
N=1 at  $p \geq 0.50$

Chaperones gain from AnnKryp on



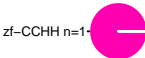
N=1 at  $p \geq 0.50$

Chaperones gain from Cnidaria on



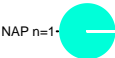
N=2 at  $p \geq 0.50$

Chaperones gain from Demospongiae



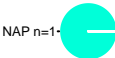
N=1 at  $p \geq 0.50$

Chaperones gain from Tardigrada o



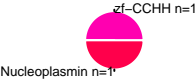
N=1 at  $p \geq 0.50$

Chaperones gain from Annelida on



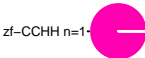
N=1 at  $p \geq 0.50$

Chaperones gain from HydScyCubozo:



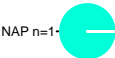
N=2 at  $p \geq 0.50$

Chaperones gain from EphyTet on



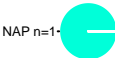
N=1 at  $p \geq 0.50$

Chaperones gain from Spiralia on



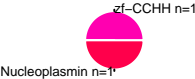
N=1 at  $p \geq 0.50$

Chaperones gain from Platyhelminta



N=1 at  $p \geq 0.50$

Chaperones gain from Hydrozoa or



N=2 at  $p \geq 0.50$

Chaperones gain from HomoCalc on



N=3 at  $p \geq 0.50$

Chaperones gain from Calcarea on



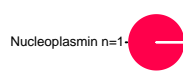
N=3 at  $p \geq 0.50$

Chaperones gain from Holomycota c



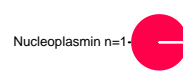
N=3 at  $p \geq 0.50$

Chaperones gain from DikaMuco or



N=1 at  $p \geq 0.50$

Chaperones gain from Blastocladiomycota



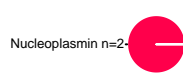
N=1 at  $p \geq 0.50$

Chaperones gain from Teretosporea



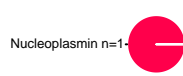
N=3 at  $p \geq 0.50$

Chaperones gain from Fungi on



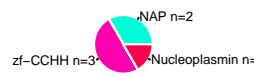
N=2 at  $p \geq 0.50$

Chaperones gain from Mucoromycota



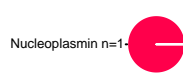
N=1 at  $p \geq 0.50$

Chaperones gain from Amoebozoa c



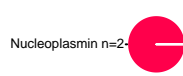
N=6 at  $p \geq 0.50$

Chaperones gain from Ichthyosporea



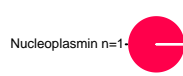
N=1 at  $p \geq 0.50$

Chaperones gain from Eufungi on



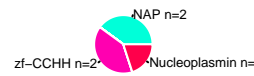
N=2 at  $p \geq 0.50$

Chaperones gain from MortGlomMucc



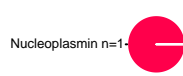
N=1 at  $p \geq 0.50$

Chaperones gain from EvoDiscosea



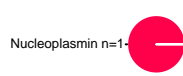
N=5 at  $p \geq 0.50$

Chaperones gain from Ichthyophonida



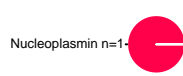
N=1 at  $p \geq 0.50$

Chaperones gain from TerFun on



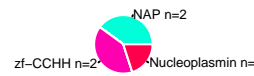
N=1 at  $p \geq 0.50$

Chaperones gain from Mucorales o



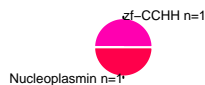
N=1 at  $p \geq 0.50$

Chaperones gain from Evosea on

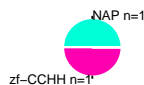


N=5 at  $p \geq 0.50$

Chaperones gain from Eumycetozoa

N=2 at  $p \geq 0.50$ 

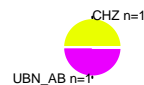
Chaperones gain from AncyPlano o

N=2 at  $p \geq 0.50$ 

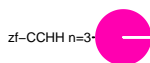
Chaperones gain from ArchaeCryo o

N=9 at  $p \geq 0.50$ 

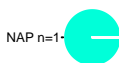
Chaperones gain from Embryophyta

N=2 at  $p \geq 0.50$ 

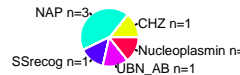
Chaperones gain from CRuMs on

N=3 at  $p \geq 0.50$ 

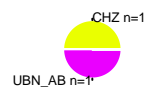
Chaperones gain from Ancyromonadidi

N=1 at  $p \geq 0.50$ 

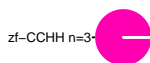
Chaperones gain from Archaeplastida

N=7 at  $p \geq 0.50$ 

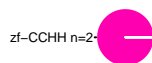
Chaperones gain from TrachBryophyta

N=2 at  $p \geq 0.50$ 

Chaperones gain from RigiDiph on

N=3 at  $p \geq 0.50$ 

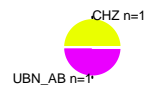
Chaperones gain from Malawimonadidi

N=2 at  $p \geq 0.50$ 

Chaperones gain from Viridiplantae (

N=6 at  $p \geq 0.50$ 

Chaperones gain from Tracheophyta

N=2 at  $p \geq 0.50$ 

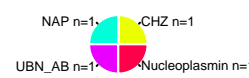
Chaperones gain from Ancyromonadidi

N=3 at  $p \geq 0.50$ 

Chaperones gain from Diaphorickes

N=17 at  $p \geq 0.50$ 

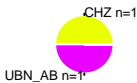
Chaperones gain from Streptophyta (

N=4 at  $p \geq 0.50$ 

Chaperones gain from Euphyllophyta

N=2 at  $p \geq 0.50$

Chaperones gain from Spermatophyta



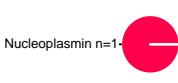
N=2 at  $p \geq 0.50$

Chaperones gain from Tetrphytina



N=3 at  $p \geq 0.50$

Chaperones gain from Mamiellophycea



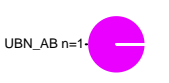
N=1 at  $p \geq 0.50$

Chaperones gain from Cryptista on



N=3 at  $p \geq 0.50$

Chaperones gain from Polypodiopsida



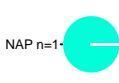
N=1 at  $p \geq 0.50$

Chaperones gain from ChlorUlrophy



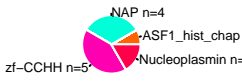
N=3 at  $p \geq 0.50$

Chaperones gain from Rhodophyta c



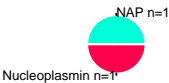
N=1 at  $p \geq 0.50$

Chaperones gain from SARhap on



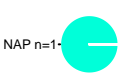
N=12 at  $p \geq 0.50$

Chaperones gain from Charophyta c



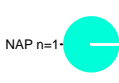
N=2 at  $p \geq 0.50$

Chaperones gain from Chlorophyceae



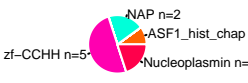
N=1 at  $p \geq 0.50$

Chaperones gain from EurhPorp or



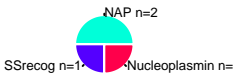
N=1 at  $p \geq 0.50$

Chaperones gain from SAR on



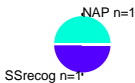
N=10 at  $p \geq 0.50$

Chaperones gain from Chlorophyta c



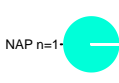
N=4 at  $p \geq 0.50$

Chaperones gain from Ulvophyceae



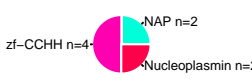
N=2 at  $p \geq 0.50$

Chaperones gain from Eurhodophytini



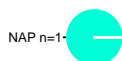
N=1 at  $p \geq 0.50$

Chaperones gain from StrAlv on



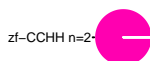
N=8 at  $p \geq 0.50$

### Chaperones gain from Stramenopiles



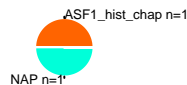
N=1 at  $p \geq 0.50$

### Chaperones gain from Dinoflagellata



N=2 at  $p \geq 0.50$

### Chaperones gain from Cercozoa or



N=2 at  $p \geq 0.50$

### Chaperones gain from Discicristata or



N=5 at  $p \geq 0.50$

### Chaperones gain from Alveolata or



N=7 at  $p \geq 0.50$

### Chaperones gain from Ciliata on



N=3 at  $p \geq 0.50$

### Chaperones gain from Haptista on



N=4 at  $p \geq 0.50$

### Chaperones gain from Euglenozoa or



N=5 at  $p \geq 0.50$

### Chaperones gain from ApiDino on Chaperones gain from Oligohymenophora



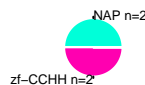
N=4 at  $p \geq 0.50$

### Chaperones gain from Oligohymenophora on



N=2 at  $p \geq 0.50$

### Chaperones gain from Hemimastigophora on



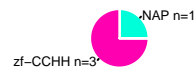
N=4 at  $p \geq 0.50$

### Chaperones gain from Trypanosomatida on



N=2 at  $p \geq 0.50$

### Chaperones gain from Dinozoa on



N=4 at  $p \geq 0.50$

### Chaperones gain from Rhizaria on



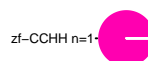
N=3 at  $p \geq 0.50$

### Chaperones gain from Discoba on



N=6 at  $p \geq 0.50$

### Chaperones gain from Leishmania on



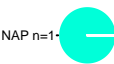
N=1 at  $p \geq 0.50$

Chaperones gain from Leishmaniinae



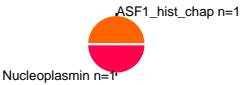
N=1 at  $p \geq 0.50$

Chaperones gain from Jakobida on



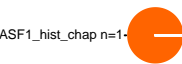
N=1 at  $p \geq 0.50$

Chaperones gain from Metamonada



N=2 at  $p \geq 0.50$

Chaperones gain from Fornicata or



N=1 at  $p \geq 0.50$