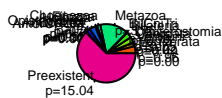


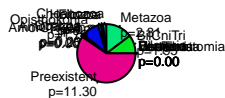
Gains of Hsap Histones
n=24 at p>0.90



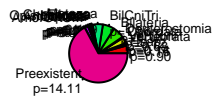
Gains of Hsap Demethylase
n=19 at p>0.90



Gains of Hsap KMT2
n=19 at p>0.90



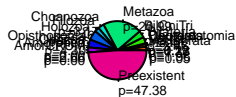
Gains of Hsap common
n=21 at p>0.90



Gains of Hsap Acetylase
n=22 at p>0.90



Gains of Hsap Readers
n=97 at p>0.90



Gains of Hsap KMT4
n=6 at p>0.90



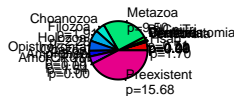
Gains of Hsap Deacetylase
n=11 at p>0.90



Gains of Hsap Remodeller
n=21 at p>0.90



Gains of Hsap PC1
n=37 at p>0.90



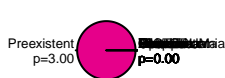
Gains of Hsap Methylase
n=23 at p>0.90



Gains of Hsap Chaperones
n=15 at p>0.90



Gains of Hsap PC2
n=3 at p>0.90



[illegible]

Preexistent
p=12.69

Acute
p=0.06

Chronic
p=0.06

Unknown
p=0.06

Chloroflexi
Opisthokonta
Metazoa
Bilophales
Tricorner
Eukarya
Proteobacteria
Preexisting
p=8.32
p=0.99
p=0.90
p=0.06

Preexistent
p=17.71

Preexisting
p=15.77

New
p=0.0

No preexisting
p=84.23

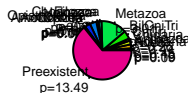
p=0.97

Preexistent
p=13.64

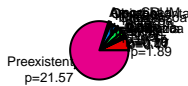
Preexistent $p=3.00$  $p=0.00$



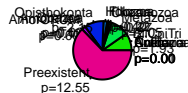
Gains of Nvec Histones
n=21 at p>0.90



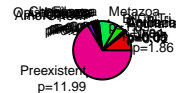
Gains of Nvec Demethylase
n=27 at p>0.90



Gains of Nvec KMT2
n=20 at p>0.90



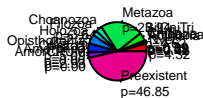
Gains of Nvec common
n=18 at p>0.90



Gains of Nvec Acetylase
n=24 at p>0.90



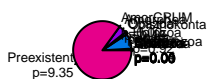
Gains of Nvec Readers
n=101 at p>0.90



Gains of Nvec KMT4
n=6 at p>0.90



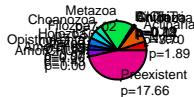
Gains of Nvec Deacetylase
n=11 at p>0.90



Gains of Nvec Remodeller
n=20 at p>0.90



Gains of Nvec PC1
n=38 at p>0.90



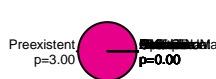
Gains of Nvec Methylase
n=23 at p>0.90



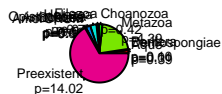
Gains of Nvec Chaperones
n=15 at p>0.90



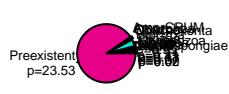
Gains of Nvec PC2
n=3 at p>0.90



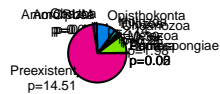
Gains of Aque Histones
n=21 at p>0.90



Gains of Aque Demethylase
n=26 at p>0.90



Gains of Aque KMT2
n=20 at p>0.90



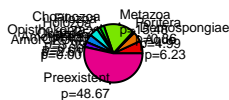
Gains of Aque common
n=13 at p>0.90



Gains of Aque Acetylase
n=20 at p>0.90



Gains of Aque Readers
n=91 at p>0.90



Gains of Aque KMT4
n=6 at p>0.90



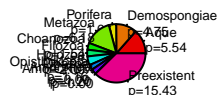
Gains of Aque Deacetylase
n=12 at p>0.90



Gains of Aque Remodeller
n=19 at p>0.90



Gains of Aque PC1
n=41 at p>0.90



Gains of Aque Methylase
n=17 at p>0.90



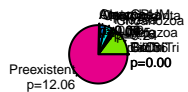
Gains of Aque Chaperones
n=16 at p>0.90



Gains of Aque PC2
n=3 at p>0.90



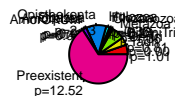
Gains of Tadh Histones
n=16 at p>0.90



Gains of Tadh Demethylase
n=20 at p>0.90



Gains of Tadh KMT2
n=19 at p>0.90



Gains of Tadh common
n=11 at p>0.90



Gains of Tadh Acetylase
n=23 at p>0.90



Gains of Tadh Readers
n=63 at p>0.90



Gains of Tadh KMT4
n=6 at p>0.90



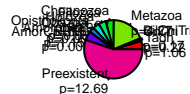
Gains of Tadh Deacetylase
n=10 at p>0.90



Gains of Tadh Remodeller
n=17 at p>0.90



Gains of Tadh PC1
n=23 at p>0.90



Gains of Tadh Methylase
n=16 at p>0.90



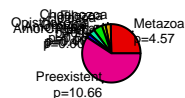
Gains of Tadh Chaperones
n=13 at p>0.90



Gains of Tadh PC2
n=3 at p>0.90



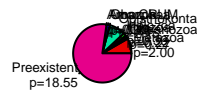
Gains of Metazoa Histones
n=18 at p>0.90



Gains of Metazoa Demethylase
n=27 at p>0.90



Gains of Metazoa KMT2
n=24 at p>0.90



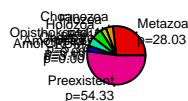
Gains of Metazoa common
n=17 at p>0.90



Gains of Metazoa Acetylase
n=28 at p>0.90



Gains of Metazoa Readers
n=104 at p>0.90



Gains of Metazoa KMT4
n=6 at p>0.90



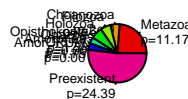
Gains of Metazoa Deacetylase
n=14 at p>0.90



Gains of Metazoa Remodeller
n=21 at p>0.90



Gains of Metazoa PC1
n=47 at p>0.90



Gains of Metazoa Methylase
n=26 at p>0.90



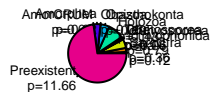
Gains of Metazoa Chaperones
n=17 at p>0.90



Gains of Metazoa PC2
n=3 at p>0.90



Gains of Cfra Histones
n=16 at p>0.90



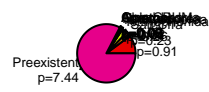
Gains of Cfra Demethylase
n=17 at p>0.90



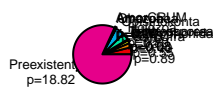
Gains of Cfra KMT2
n=11 at p>0.90



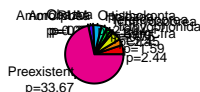
Gains of Cfra common
n=9 at p>0.90



Gains of Cfra Acetylase
n=23 at p>0.90



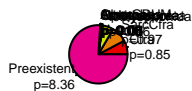
Gains of Cfra Readers
n=47 at p>0.90



Gains of Cfra KMT4
n=5 at p>0.90



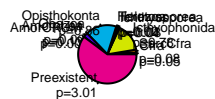
Gains of Cfra Deacetylase
n=11 at p>0.90



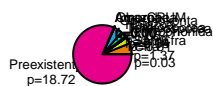
Gains of Cfra Remodeller
n=17 at p>0.90



Gains of Cfra PC1
n=5 at p>0.90



Gains of Cfra Methylase
n=23 at p>0.90



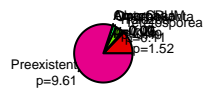
Gains of Cfra Chaperones
n=12 at p>0.90



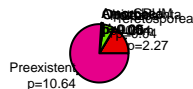
Gains of Cfra PC2
n=2 at p>0.90



Gains of Clim Histones
n=12 at p>0.90



Gains of Clim Demethylase
n=14 at p>0.90



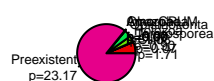
Gains of Clim KMT2
n=10 at p>0.90



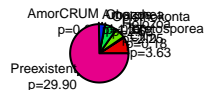
Gains of Clim common
n=5 at p>0.90



Gains of Clim Acetylase
n=27 at p>0.90



Gains of Clim Readers
n=40 at p>0.90



Gains of Clim KMT4
n=4 at p>0.90



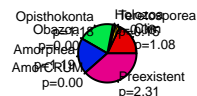
Gains of Clim Deacetylase
n=12 at p>0.90



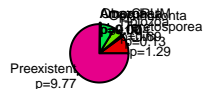
Gains of Clim Remodeller
n=20 at p>0.90



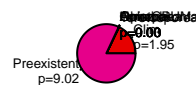
Gains of Clim PC1
n=6 at p>0.90



Gains of Clim Methylase
n=13 at p>0.90



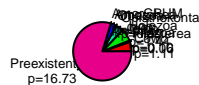
Gains of Clim Chaperones
n=11 at p>0.90



Gains of Clim PC2
n=2 at p>0.90



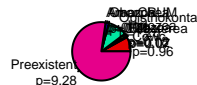
Gains of Cowc Histones
n=21 at p>0.90



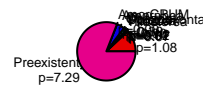
Gains of Cowc Demethylase
n=18 at p>0.90



Gains of Cowc KMT2
n=12 at p>0.90



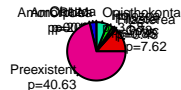
Gains of Cowc common
n=9 at p>0.90



Gains of Cowc Acetylase
n=22 at p>0.90



Gains of Cowc Readers
n=57 at p>0.90



Gains of Cowc KMT4
n=5 at p>0.90



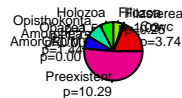
Gains of Cowc Deacetylase
n=11 at p>0.90



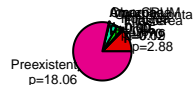
Gains of Cowc Remodeller
n=21 at p>0.90



Gains of Cowc PC1
n=20 at p>0.90



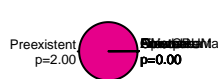
Gains of Cowc Methylase
n=23 at p>0.90



Gains of Cowc Chaperones
n=14 at p>0.90



Gains of Cowc PC2
n=2 at p>0.90



Gains of Opisthokonta Histones
n=15 at p>0.90



Gains of Opisthokonta Demethylase
n=29 at p>0.90



Gains of Opisthokonta KMT2
n=24 at p>0.90



Gains of Opisthokonta common
n=20 at p>0.90



Gains of Opisthokonta Acetylase
n=44 at p>0.90



Gains of Opisthokonta Readers
n=70 at p>0.90



Gains of Opisthokonta KMT4
n=5 at p>0.90



Gains of Opisthokonta Deacetylase
n=14 at p>0.90



Gains of Opisthokonta Remodeller
n=27 at p>0.90



Gains of Opisthokonta PC1
n=26 at p>0.90



Gains of Opisthokonta Methylase
n=41 at p>0.90



Gains of Opisthokonta Chaperones
n=19 at p>0.90



Gains of Opisthokonta PC2
n=3 at p>0.90





Ascomycota
Opisthokonta
Mucoromycota
Basidiomycota
Preexistent
p=10.97
p=0.05



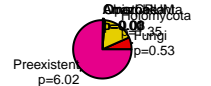
Preexistent
p=10.43

AmorCRUM
p=0.00

Other
p=0.00



Preexistent $p=5.00$  Sporadic $p=0.00$



Preexistent $p=22.95$  $p=0.02$



Preexistent
p=24.77

Non-preexistent
p=0.03



Preexistent
p=13.49

AmerCBUM
B=0.02
p=0.02



Preexistent $p=3.00$ Spring 2014 $p=0.00$



Gains of Scer Histones
n=12 at p>0.90



Gains of Scer Demethylase
n=5 at p>0.90



Gains of Scer KMT2
n=9 at p>0.90



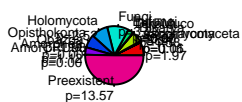
Gains of Scer common
n=3 at p>0.90



Gains of Scer Acetylase
n=16 at p>0.90



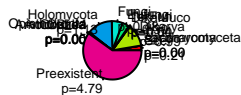
Gains of Scer Readers
n=27 at p>0.90



Gains of Scer KMT4
n=2 at p>0.90



Gains of Scer Deacetylase
n=8 at p>0.90



Gains of Scer Remodeller
n=15 at p>0.90



Gains of Scer PC1
n=1 at p>0.90



Gains of Scer Methylase
n=8 at p>0.90



Gains of Scer Chaperones
n=12 at p>0.90



Gains of Scer PC2
n=2 at p>0.90



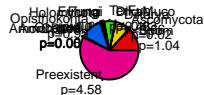
Gains of Spom Histones
n=15 at p>0.90



Gains of Spom Demethylase
n=9 at p>0.90



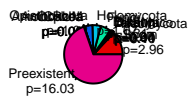
Gains of Spom KMT2
n=8 at p>0.90



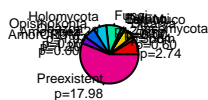
Gains of Spom common
n=4 at p>0.90



Gains of Spom Acetylase
n=23 at p>0.90



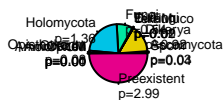
Gains of Spom Readers
n=32 at p>0.90



Gains of Spom KMT4
n=4 at p>0.90



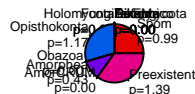
Gains of Spom Deacetylase
n=6 at p>0.90



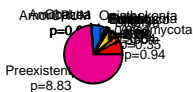
Gains of Spom Remodeller
n=14 at p>0.90



Gains of Spom PC1
n=4 at p>0.90



Gains of Spom Methylase
n=12 at p>0.90



Gains of Spom Chaperones
n=12 at p>0.90



Gains of Spom PC2
n=2 at p>0.90



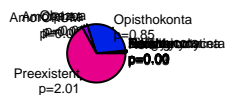
**Gains of Ncra common
n=8 at p>0.90**



Gains of Ncra KMT4
n=4 at p>0.90



Gains of Ncra PC1
n=3 at p>0.90



Gains of Ncra PC2
n=3 at p>0.90



Gains of Atha Histones
n=18 at p>0.90



Gains of Atha Demethylase
n=11 at p>0.90



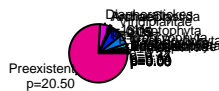
Gains of Atha KMT2
n=12 at p>0.90



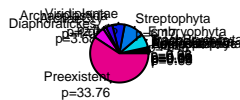
Gains of Atha common
n=13 at p>0.90



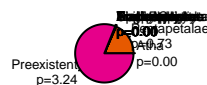
Gains of Atha Acetylase
n=27 at p>0.90



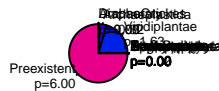
Gains of Atha Readers
n=57 at p>0.90



Gains of Atha KMT4
n=4 at p>0.90



Gains of Atha Deacetylase
n=8 at p>0.90



Gains of Atha Remodeller
n=24 at p>0.90



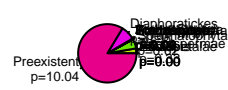
Gains of Atha PC1
n=5 at p>0.90



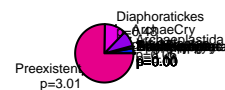
Gains of Atha Methylase
n=23 at p>0.90



Gains of Atha Chaperones
n=12 at p>0.90



Gains of Atha PC2
n=4 at p>0.90



Gains of Vcar Histones
n=15 at p>0.90



Gains of Vcar Demethylase
n=13 at p>0.90



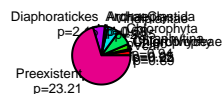
Gains of Vcar KMT2
n=6 at p>0.90



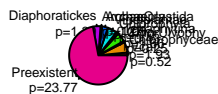
Gains of Vcar common
n=10 at p>0.90



Gains of Vcar Acetylase
n=33 at p>0.90



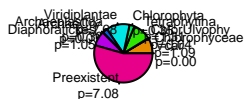
Gains of Vcar Readers
n=33 at p>0.90



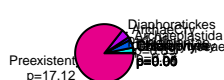
Gains of Vcar KMT4
n=3 at p>0.90



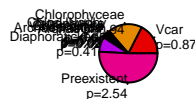
Gains of Vcar Deacetylase
n=13 at p>0.90



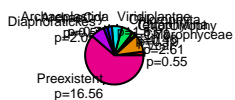
Gains of Vcar Remodeller
n=20 at p>0.90



Gains of Vcar PC1
n=5 at p>0.90



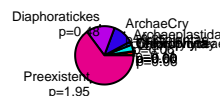
Gains of Vcar Methylase
n=27 at p>0.90



Gains of Vcar Chaperones
n=13 at p>0.90



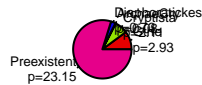
Gains of Vcar PC2
n=3 at p>0.90



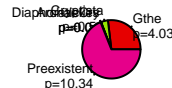
Gains of Gthe Histones
n=15 at p>0.90



Gains of Gthe Demethylase
n=29 at p>0.90



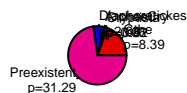
Gains of Gthe KMT2
n=15 at p>0.90



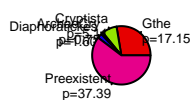
Gains of Gthe common
n=8 at p>0.90



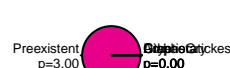
Gains of Gthe Acetylase
n=43 at p>0.90



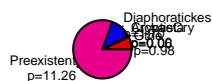
Gains of Gthe Readers
n=62 at p>0.90



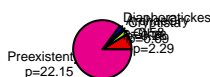
Gains of Gthe KMT4
n=3 at p>0.90



Gains of Gthe Deacetylase
n=14 at p>0.90



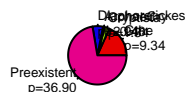
Gains of Gthe Remodeller
n=26 at p>0.90



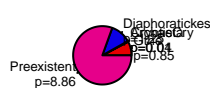
Gains of Gthe PC1
n=27 at p>0.90



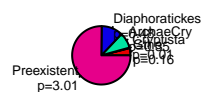
Gains of Gthe Methylase
n=51 at p>0.90



Gains of Gthe Chaperones
n=11 at p>0.90



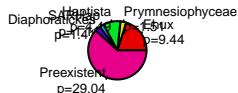
Gains of Gthe PC2
n=4 at p>0.90



Gains of Ehux Histones
n=14 at p>0.90



Gains of Ehux Demethylase
n=47 at p>0.90



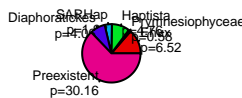
Gains of Ehux KMT2
n=6 at p>0.90



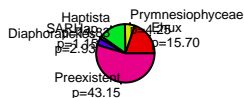
Gains of Ehux common
n=12 at p>0.90



Gains of Ehux Acetylase
n=48 at p>0.90



Gains of Ehux Readers
n=79 at p>0.90



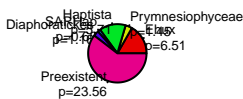
Gains of Ehux KMT4
n=3 at p>0.90



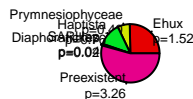
Gains of Ehux Deacetylase
n=20 at p>0.90



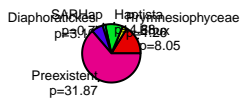
Gains of Ehux Remodeller
n=39 at p>0.90



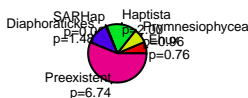
Gains of Ehux PC1
n=6 at p>0.90



Gains of Ehux Methylase
n=50 at p>0.90



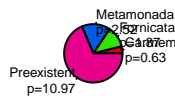
Gains of Ehux Chaperones
n=12 at p>0.90



Gains of Ehux PC2
n=3 at p>0.90



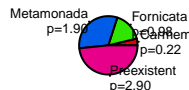
Gains of Carmem Histones
n=16 at p>0.90



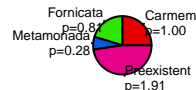
Gains of Carmem Demethylase
n=1 at p>0.90



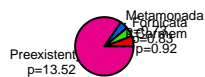
Gains of Carmem KMT2
n=6 at p>0.90



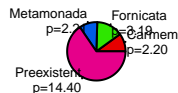
Gains of Carmem common
n=4 at p>0.90



Gains of Carmem Acetylase
n=16 at p>0.90



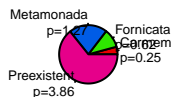
Gains of Carmem Readers
n=22 at p>0.90



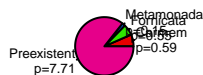
Gains of Carmem KMT4
n=1 at p>0.90



Gains of Carmem Deacetylase
n=6 at p>0.90



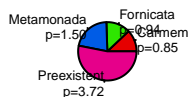
Gains of Carmem Remodeller
n=9 at p>0.90



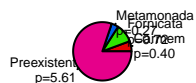
Gains of Carmem PC1
n=2 at p>0.90



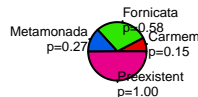
Gains of Carmem Methylase
n=7 at p>0.90



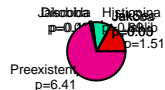
Gains of Carmem Chaperones
n=7 at p>0.90



Gains of Carmem PC2
n=2 at p>0.90



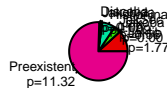
Gains of Jaklib Histones
n=9 at p>0.90



Gains of Jaklib Demethylase
n=7 at p>0.90



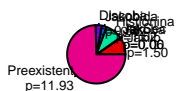
Gains of Jaklib KMT2
n=15 at p>0.90



Gains of Jaklib common
n=4 at p>0.90



Gains of Jaklib Acetylase
n=16 at p>0.90



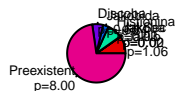
Gains of Jaklib Readers
n=22 at p>0.90



Gains of Jaklib KMT4
n=4 at p>0.90



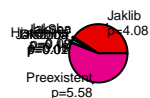
Gains of Jaklib Deacetylase
n=11 at p>0.90



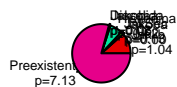
Gains of Jaklib Remodeller
n=17 at p>0.90



Gains of Jaklib PC1
n=10 at p>0.90



Gains of Jaklib Methylase
n=9 at p>0.90



Gains of Jaklib Chaperones
n=11 at p>0.90



Gains of Jaklib PC2
n=1 at p>0.90

