

Deacetylase gain from Eukaryota on



N=63 at $p \geq 0.50$

Deacetylase gain from Opisthokonta



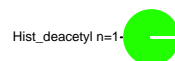
N=26 at $p \geq 0.50$

Deacetylase gain from Metazoa on



N=6 at $p \geq 0.50$

Deacetylase gain from ArtTardi on



N=1 at $p \geq 0.50$

Deacetylase gain from AmorphoCRUM c



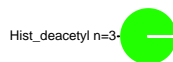
N=35 at $p \geq 0.50$

Deacetylase gain from Holozoa on



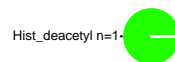
N=16 at $p \geq 0.50$

Deacetylase gain from BilCniTri on



N=3 at $p \geq 0.50$

Deacetylase gain from Tardigrada on



N=1 at $p \geq 0.50$

Deacetylase gain from Amorphea on



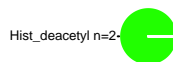
N=34 at $p \geq 0.50$

Deacetylase gain from Filozoa on



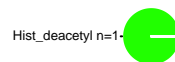
N=10 at $p \geq 0.50$

Deacetylase gain from Bilateria on



N=2 at $p \geq 0.50$

Deacetylase gain from Spiralia on



N=1 at $p \geq 0.50$

Deacetylase gain from Obazoa on



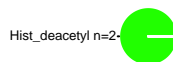
N=31 at $p \geq 0.50$

Deacetylase gain from Choanozoa on



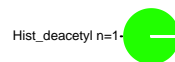
N=8 at $p \geq 0.50$

Deacetylase gain from Protostomia c



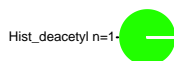
N=2 at $p \geq 0.50$

Deacetylase gain from Platyhelmintha on



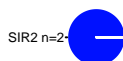
N=1 at $p \geq 0.50$

Deacetylase gain from CniTri on



N=1 at $p \geq 0.50$

Deacetylase gain from Porifera on



N=2 at $p \geq 0.50$

Deacetylase gain from Filasterea on



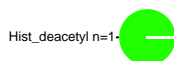
N=3 at $p \geq 0.50$

Deacetylase gain from SarcCfra on



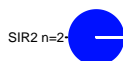
N=2 at $p \geq 0.50$

Deacetylase gain from Cnidaria on



N=1 at $p \geq 0.50$

Deacetylase gain from HomoCalc on



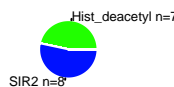
N=2 at $p \geq 0.50$

Deacetylase gain from Teretosporea on



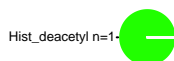
N=6 at $p \geq 0.50$

Deacetylase gain from Holomycota on



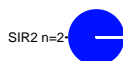
N=15 at $p \geq 0.50$

Deacetylase gain from HydScyCubozo on



N=1 at $p \geq 0.50$

Deacetylase gain from Calcarea on



N=2 at $p \geq 0.50$

Deacetylase gain from Ichthyosporea on



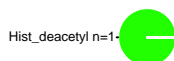
N=4 at $p \geq 0.50$

Deacetylase gain from Fungi on



N=12 at $p \geq 0.50$

Deacetylase gain from Hydrozoa on



N=1 at $p \geq 0.50$

Deacetylase gain from Choanoflagellat on



N=2 at $p \geq 0.50$

Deacetylase gain from Ichthyophorida on



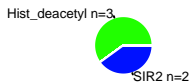
N=4 at $p \geq 0.50$

Deacetylase gain from Eufungi on

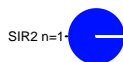


N=11 at $p \geq 0.50$

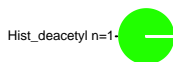
Deacetylase gain from TerFun on

N=5 at $p \geq 0.50$

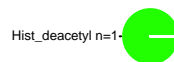
Deacetylase gain from saccharomycet

N=1 at $p \geq 0.50$

Deacetylase gain from MortGlom or

N=1 at $p \geq 0.50$

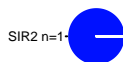
Deacetylase gain from Chytridiomycet

N=1 at $p \geq 0.50$

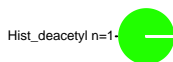
Deacetylase gain from DikaMucor or

N=4 at $p \geq 0.50$

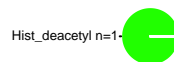
Deacetylase gain from Pezizomycotina

N=1 at $p \geq 0.50$

Deacetylase gain from Zoopagomycot

N=1 at $p \geq 0.50$

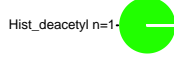
Deacetylase gain from Blastocladiomycot

N=1 at $p \geq 0.50$

Deacetylase gain from Dikarya on

N=3 at $p \geq 0.50$

Deacetylase gain from Mucoromycota

N=1 at $p \geq 0.50$

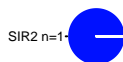
Deacetylase gain from Chytridiomycot

N=6 at $p \geq 0.50$

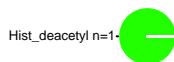
Deacetylase gain from Amoebozoa o

N=8 at $p \geq 0.50$

Deacetylase gain from Ascomycota c

N=1 at $p \geq 0.50$

Deacetylase gain from MortGlomMucc

N=1 at $p \geq 0.50$

Deacetylase gain from MonoblNeocal

N=5 at $p \geq 0.50$

Deacetylase gain from EvoDiscosea

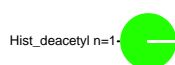
N=6 at $p \geq 0.50$

Deacetylase gain from Evosea on



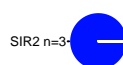
N=3 at $p \geq 0.50$

Deacetylase gain from RigiDiph on



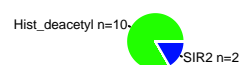
N=1 at $p \geq 0.50$

Deacetylase gain from Malawimonadid



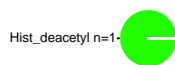
N=3 at $p \geq 0.50$

Deacetylase gain from Viridiplantae



N=12 at $p \geq 0.50$

Deacetylase gain from Eumycetozoa



N=1 at $p \geq 0.50$

Deacetylase gain from Ancyromonadid



N=6 at $p \geq 0.50$

Deacetylase gain from Diaphoratices



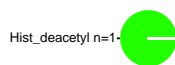
N=39 at $p \geq 0.50$

Deacetylase gain from Streptophyta



N=5 at $p \geq 0.50$

Deacetylase gain from Acyosteliales



N=1 at $p \geq 0.50$

Deacetylase gain from AncyPlano o



N=3 at $p \geq 0.50$

Deacetylase gain from ArchaeCry o



N=23 at $p \geq 0.50$

Deacetylase gain from Embryophyta



N=4 at $p \geq 0.50$

Deacetylase gain from CRuMs on



N=3 at $p \geq 0.50$

Deacetylase gain from Ancyromonadid



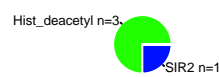
N=2 at $p \geq 0.50$

Deacetylase gain from Archaeplastida



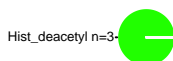
N=16 at $p \geq 0.50$

Deacetylase gain from TrachBryophyta



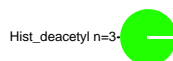
N=4 at $p \geq 0.50$

Deacetylase gain from Tracheophyta



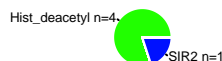
N=3 at $p \geq 0.50$

Deacetylase gain from Monocots or



N=3 at $p \geq 0.50$

Deacetylase gain from Tetraphytina c



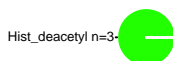
N=5 at $p \geq 0.50$

Deacetylase gain from Mamiellophyceae



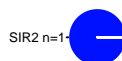
N=2 at $p \geq 0.50$

Deacetylase gain from Euphylllophyta



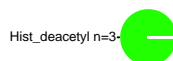
N=3 at $p \geq 0.50$

Deacetylase gain from Bryophyta or



N=1 at $p \geq 0.50$

Deacetylase gain from ChlorUlrovophy



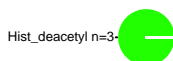
N=3 at $p \geq 0.50$

Deacetylase gain from Rhodophyta or



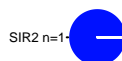
N=4 at $p \geq 0.50$

Deacetylase gain from Spermatophyta



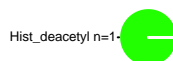
N=3 at $p \geq 0.50$

Deacetylase gain from Charophyta or



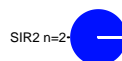
N=1 at $p \geq 0.50$

Deacetylase gain from Chlorophyceae



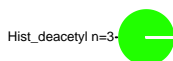
N=1 at $p \geq 0.50$

Deacetylase gain from EurhPorp or



N=2 at $p \geq 0.50$

Deacetylase gain from Angiospermae



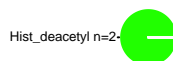
N=3 at $p \geq 0.50$

Deacetylase gain from Chlorophyta or



N=7 at $p \geq 0.50$

Deacetylase gain from Ulvophyceae or



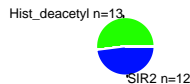
N=2 at $p \geq 0.50$

Deacetylase gain from Cryptista or



N=7 at $p \geq 0.50$

Deacetylase gain from SARHap on



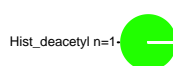
N=25 at $p \geq 0.50$

Deacetylase gain from Gyrista on



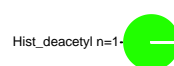
N=6 at $p \geq 0.50$

Deacetylase gain from PhaeoNanno on



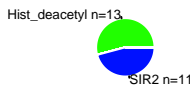
N=1 at $p \geq 0.50$

Deacetylase gain from SchyHond on



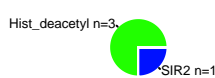
N=1 at $p \geq 0.50$

Deacetylase gain from SAR on



N=24 at $p \geq 0.50$

Deacetylase gain from Ochrophyta c



N=4 at $p \geq 0.50$

Deacetylase gain from Oomycota o



N=2 at $p \geq 0.50$

Deacetylase gain from Alveolata o



N=15 at $p \geq 0.50$

Deacetylase gain from StrAlv on



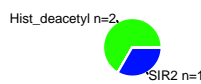
N=21 at $p \geq 0.50$

Deacetylase gain from DiatPelag o



N=2 at $p \geq 0.50$

Deacetylase gain from Labyrinthulea



N=3 at $p \geq 0.50$

Deacetylase gain from ApiDino on



N=10 at $p \geq 0.50$

Deacetylase gain from Stramenopiles



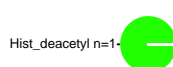
N=10 at $p \geq 0.50$

Deacetylase gain from Diatomista o



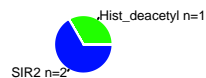
N=2 at $p \geq 0.50$

Deacetylase gain from Thraustochytrid



N=1 at $p \geq 0.50$

Deacetylase gain from ApiChrom on

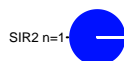


N=3 at $p \geq 0.50$

Deacetylase gain from Chromerida c Deacetylase gain from Oligohymenophor Deacetylase gain from Prymnesiophyce Deacetylase gain from Heterolobosea



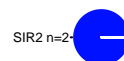
N=3 at $p \geq 0.50$



N=1 at $p \geq 0.50$



N=5 at $p \geq 0.50$



N=2 at $p \geq 0.50$

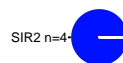
Deacetylase gain from Dinozoa on Deacetylase gain from Rhizaria on Deacetylase gain from Hemimastigophor Deacetylase gain from TetraPhary on



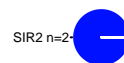
N=5 at $p \geq 0.50$



N=4 at $p \geq 0.50$

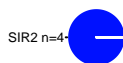


N=4 at $p \geq 0.50$



N=2 at $p \geq 0.50$

Deacetylase gain from Dinoflagellata Deacetylase gain from Cercozoa on Deacetylase gain from Discoba on Deacetylase gain from Euglenozoa on



N=4 at $p \geq 0.50$



N=2 at $p \geq 0.50$

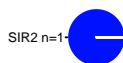


N=12 at $p \geq 0.50$



N=4 at $p \geq 0.50$

Deacetylase gain from Ciliata on Deacetylase gain from Haptista on Deacetylase gain from Discicristata c Deacetylase gain from Trypanosomatid



N=1 at $p \geq 0.50$



N=8 at $p \geq 0.50$

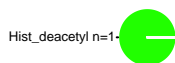


N=6 at $p \geq 0.50$



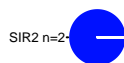
N=3 at $p \geq 0.50$

Deacetylase gain from LeisStri on



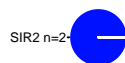
N=1 at $p \geq 0.50$

Deacetylase gain from JakSec on



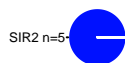
N=2 at $p \geq 0.50$

Deacetylase gain from DiploKip on



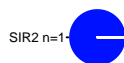
N=2 at $p \geq 0.50$

Deacetylase gain from Jakobida on



N=5 at $p \geq 0.50$

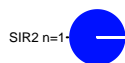
Deacetylase gain from Jakoba on



N=1 at $p \geq 0.50$



Deacetylase gain from Andalucina on



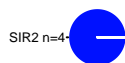
N=1 at $p \geq 0.50$

Deacetylase gain from Metamonada on



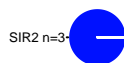
N=9 at $p \geq 0.50$

Deacetylase gain from Histonina on



N=4 at $p \geq 0.50$

Deacetylase gain from Fornicata on



N=3 at $p \geq 0.50$