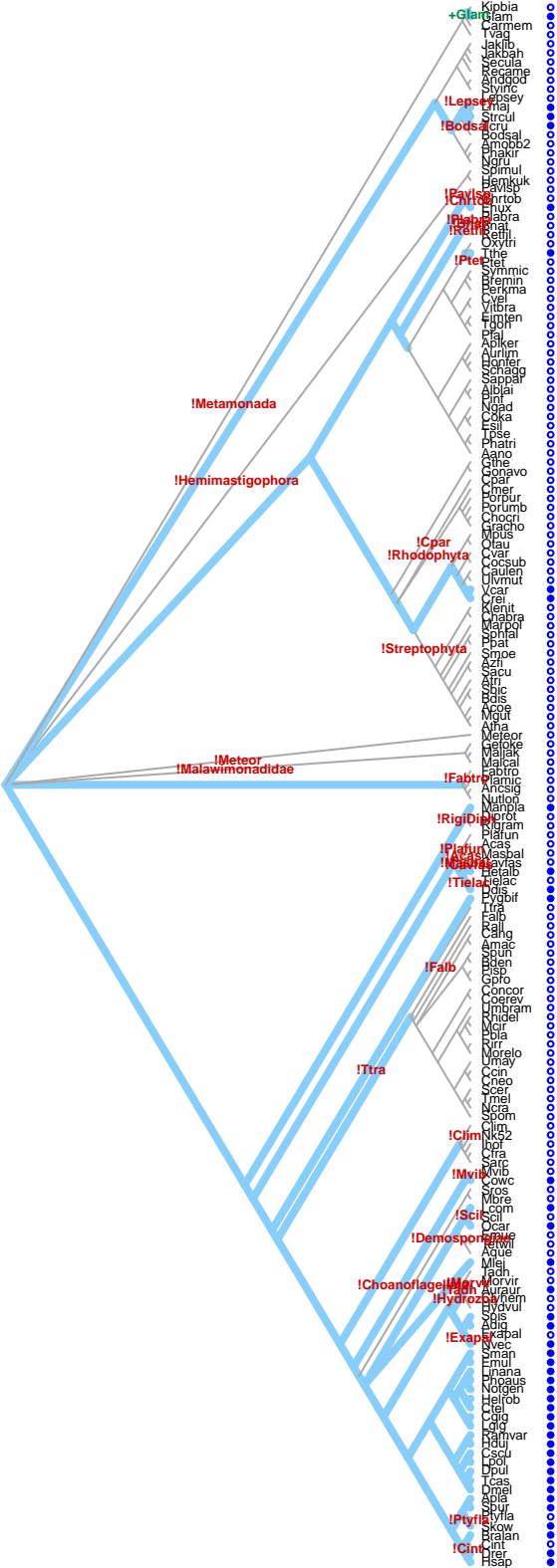
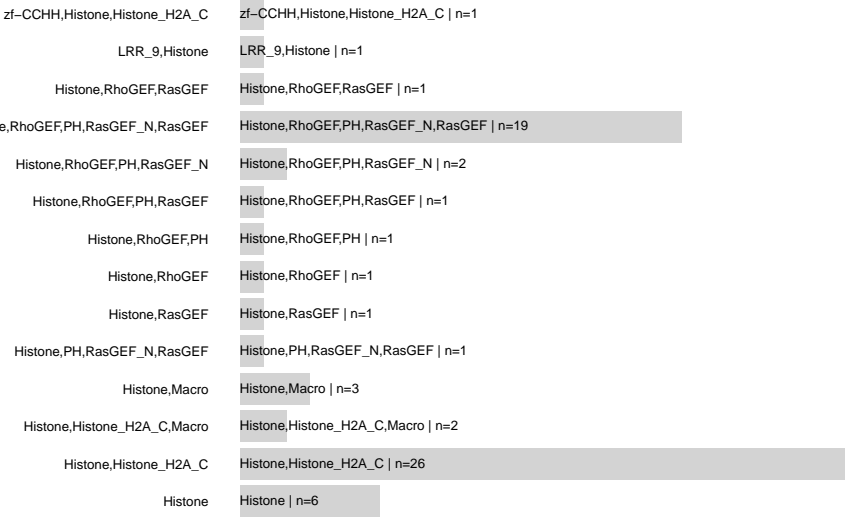
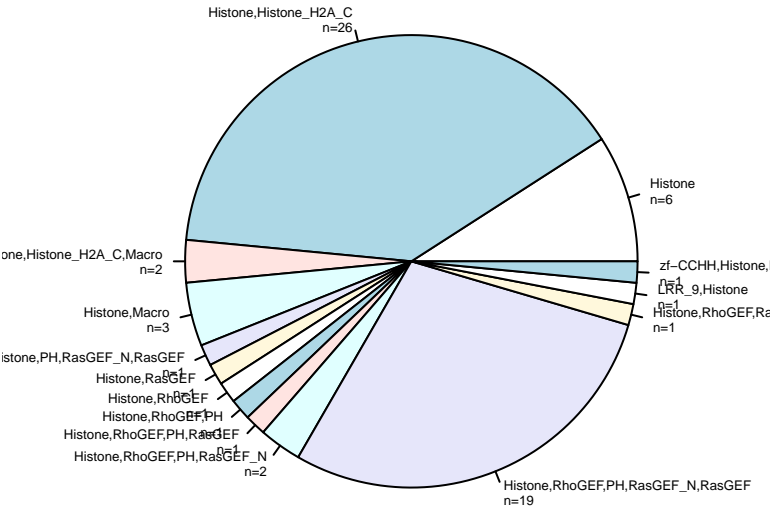


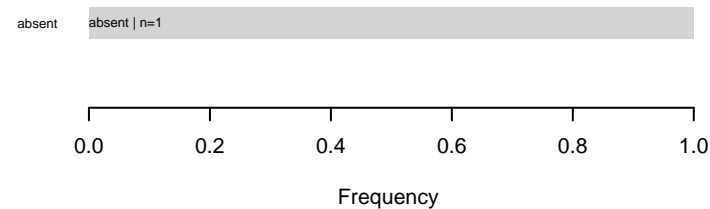
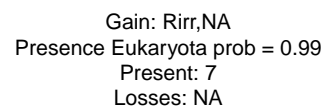
Histone.HG1.1
SOS1/SOS2

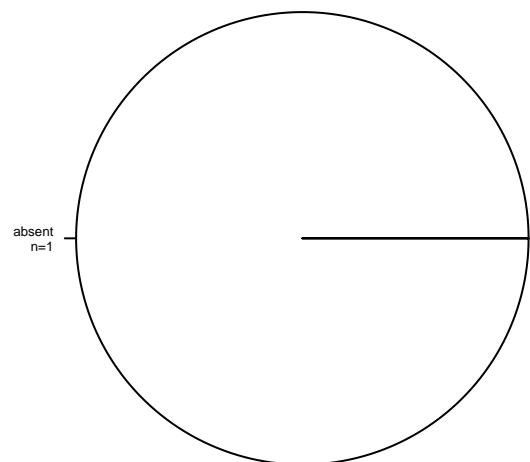
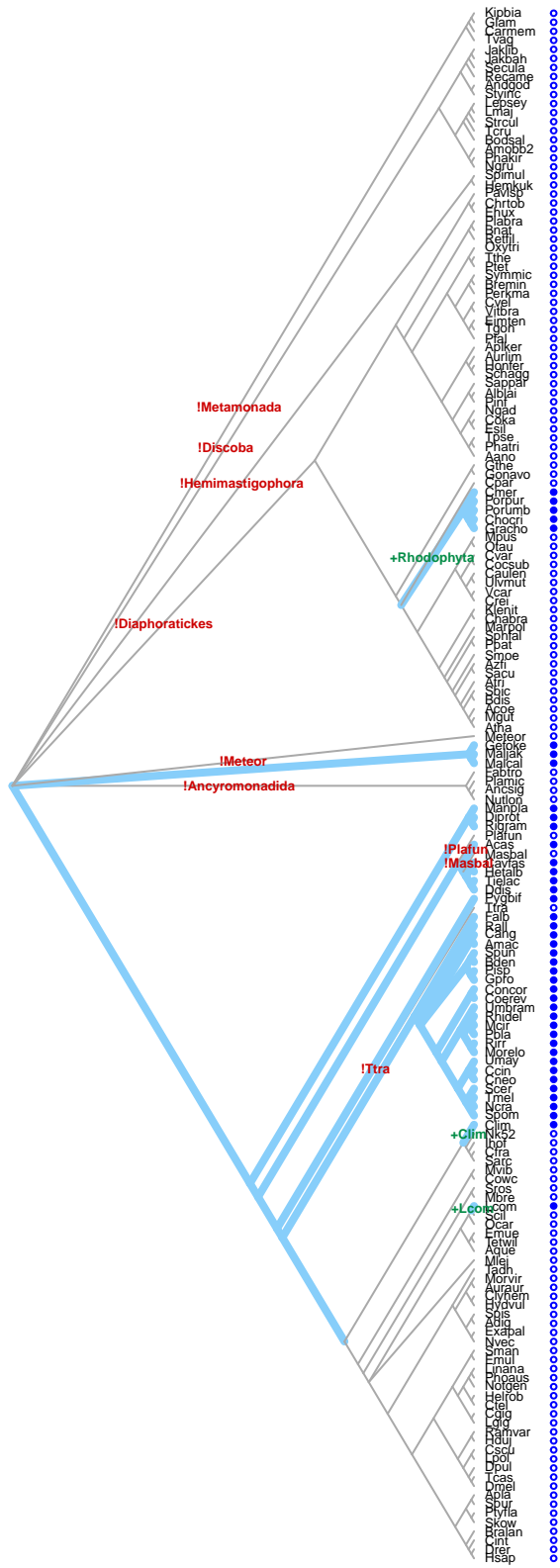


Gain: Glam,NA
Presence Eukaryota prob = 0.99
Present: 42
Losses: NA

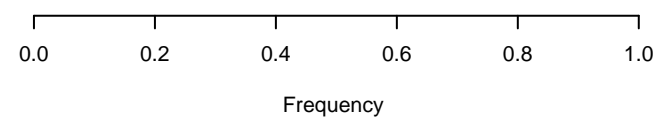


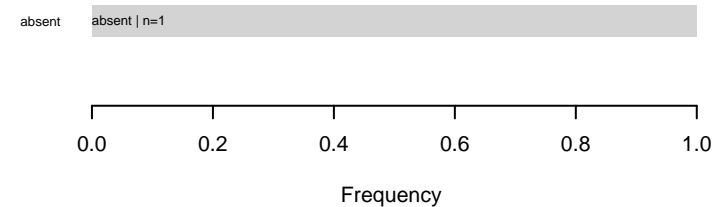
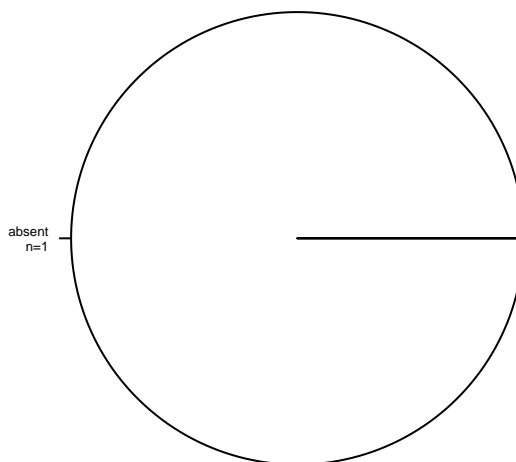
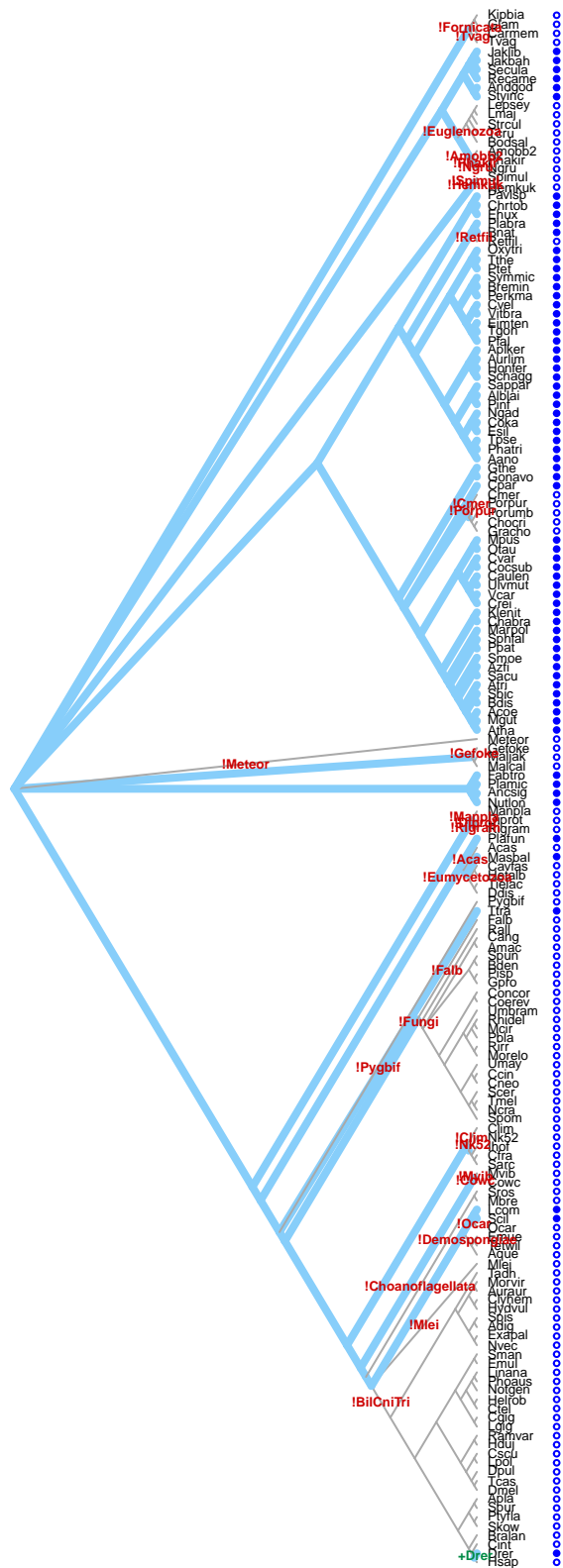
0 5 10 15 20 25
Frequency



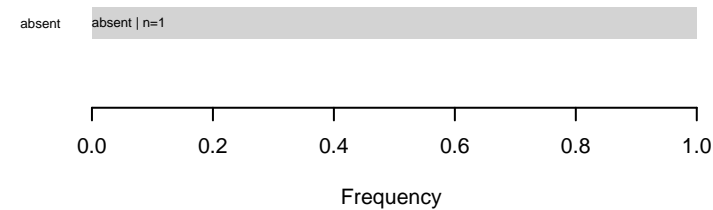
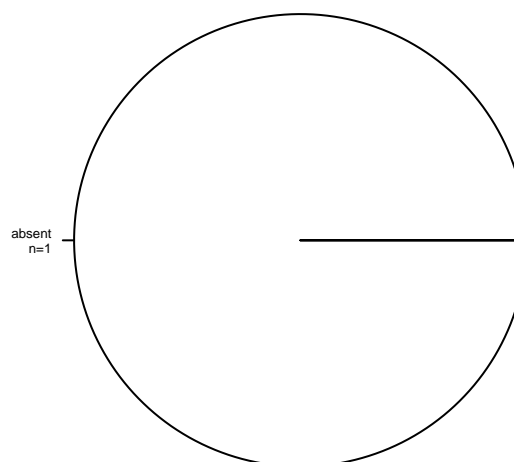
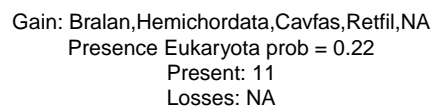


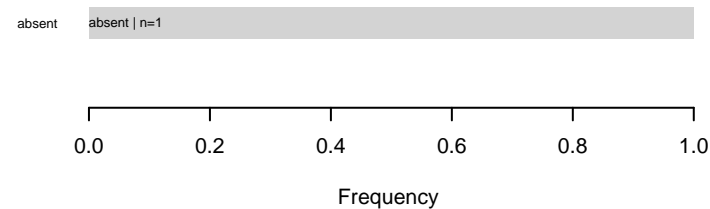
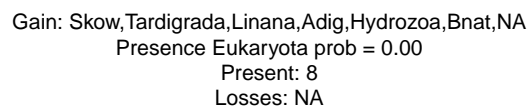
Gain: Lcom,Clim,Rhodophyta,NA
Presence Eukaryota prob = 1.00
Present: 42
Losses: NA

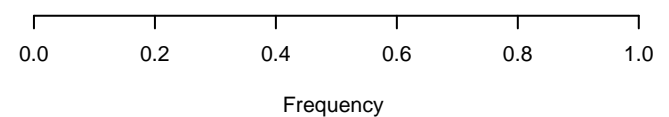
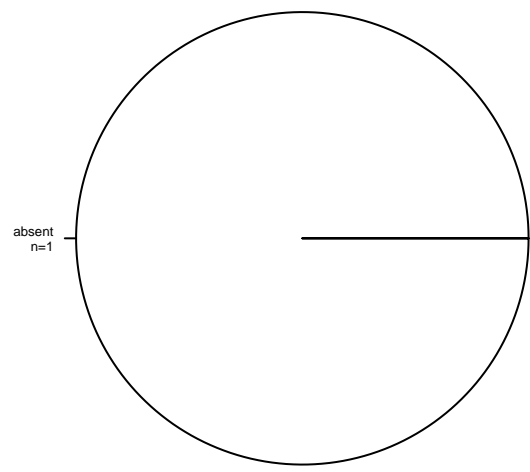
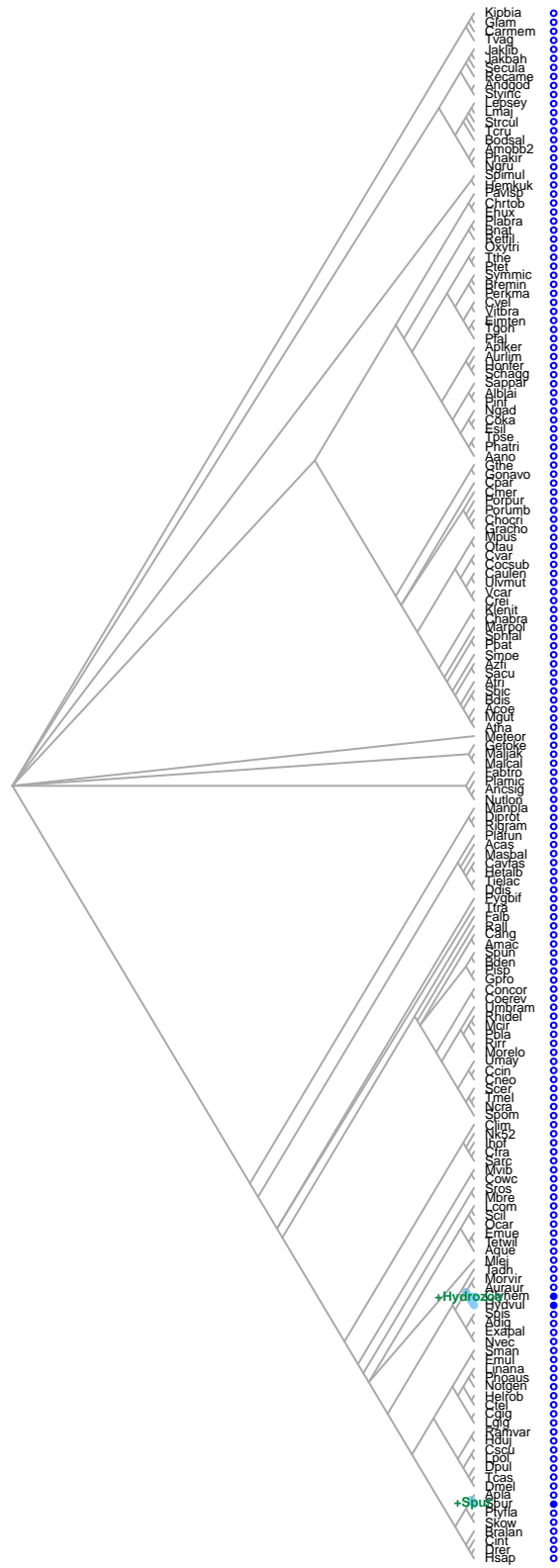




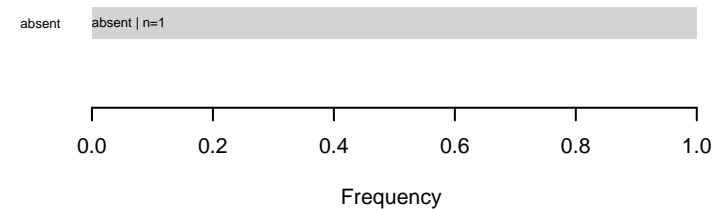
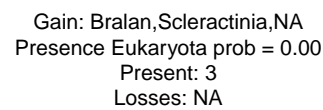
Gain: Drer,NA
Presence Eukaryota prob = 1.00
Present: 70
Losses: NA

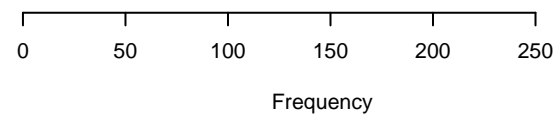
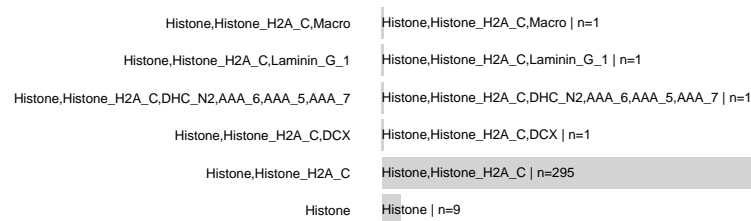
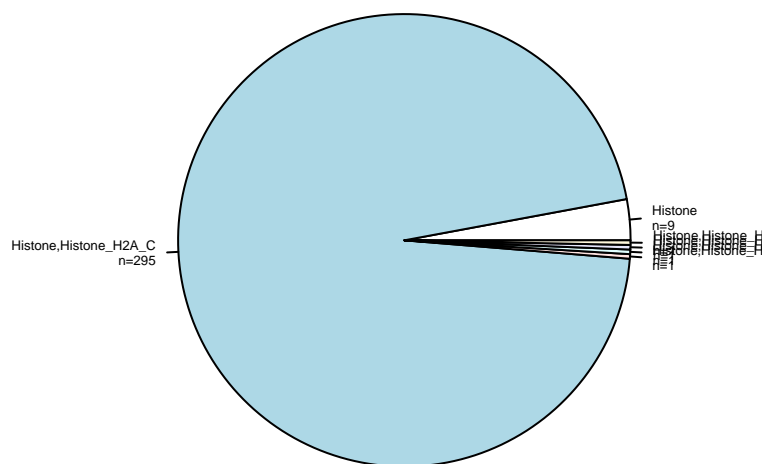
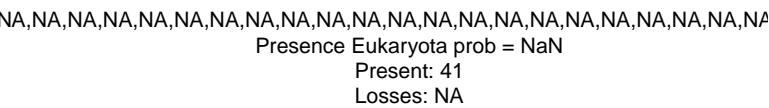


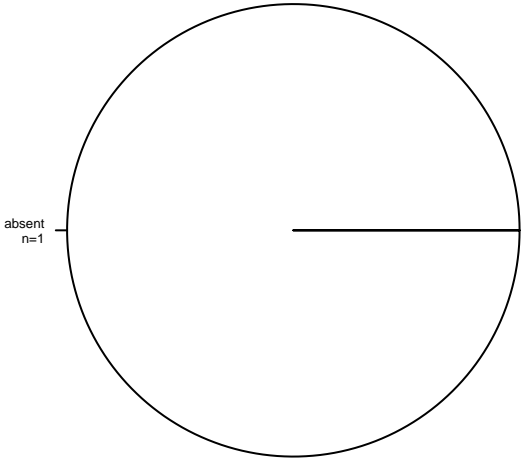
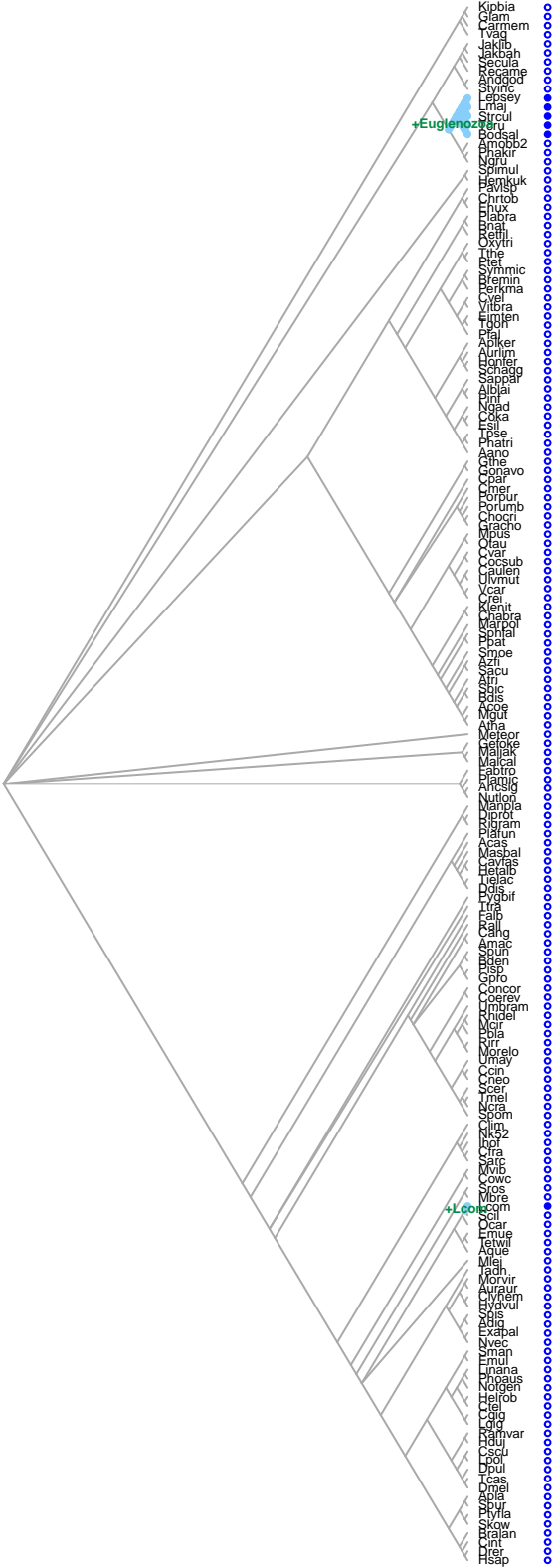




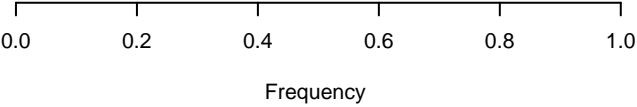
Gain: Spur,Hydrozoa,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA





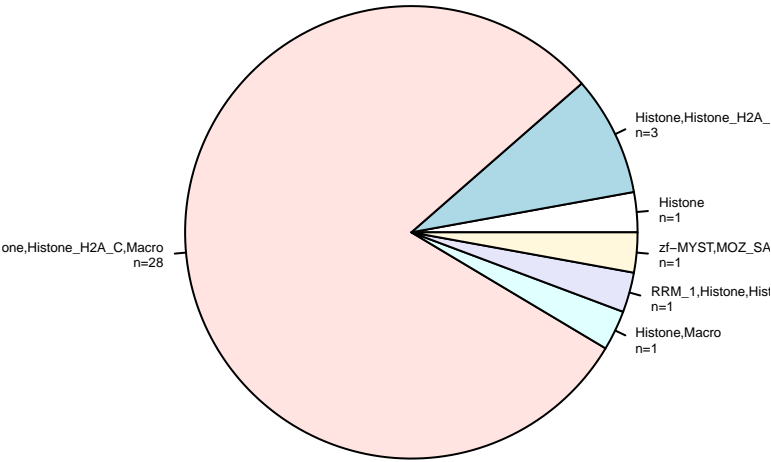
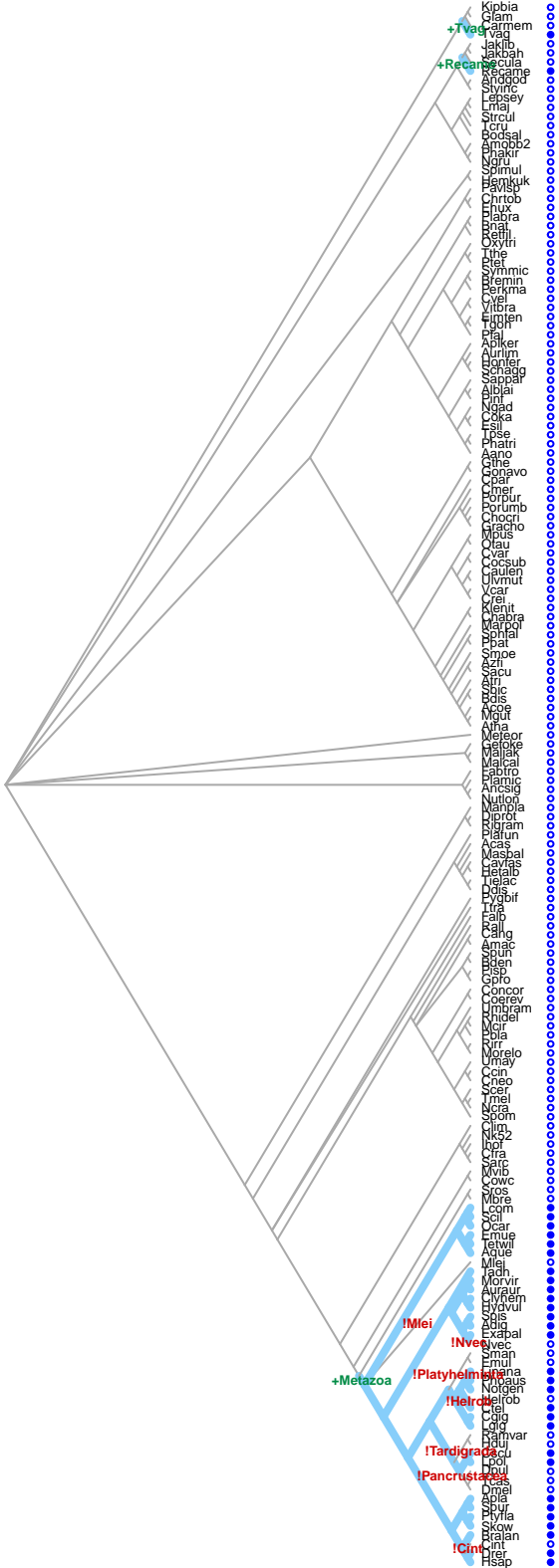


absent absent | n=1

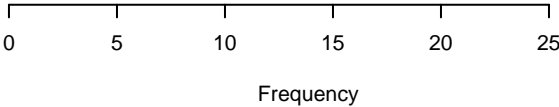


Gain: Lcom,Euglenozoa,NA
Presence Eukaryota prob = 0.00
Present: 6
Losses: NA

Histone.HG1.3
MACROH2A1/MACROH2A2

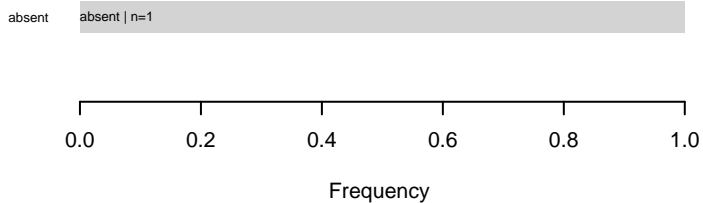
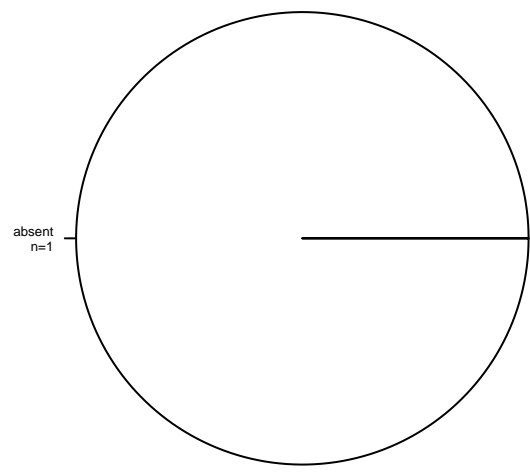
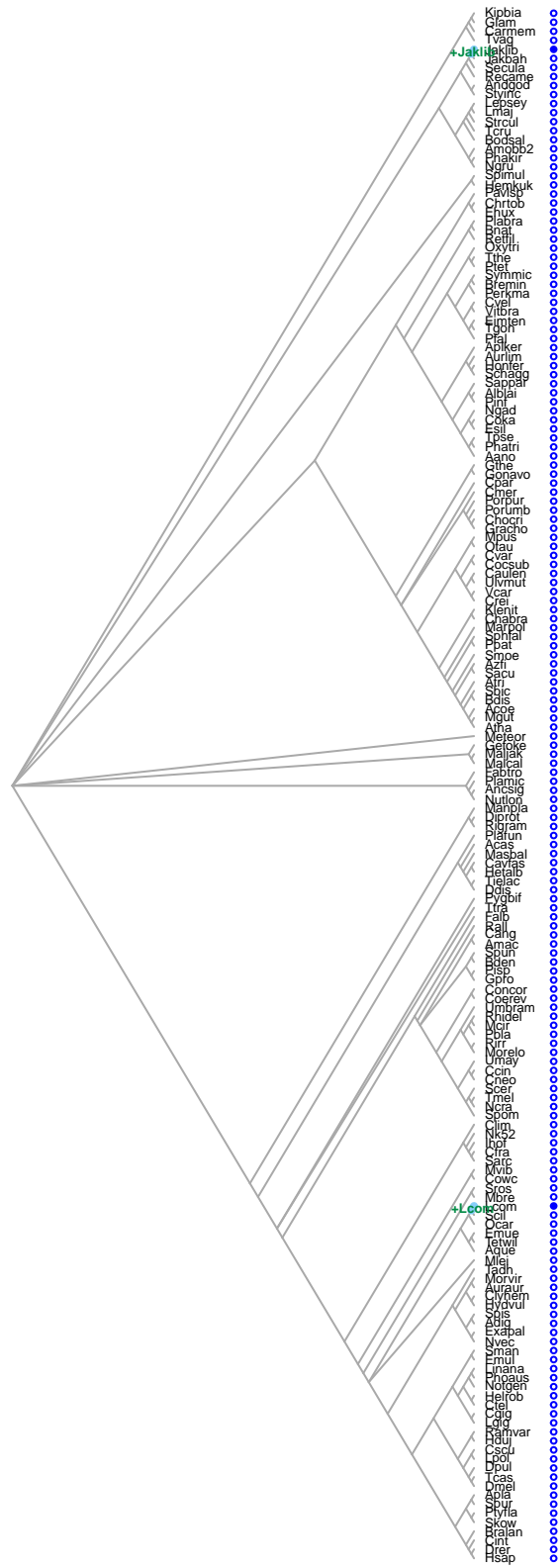


zf-MYST,MOZ_SAS,Histone,Histone_H2A_C,Macro,NAP,Ig_3	zf-MYST,MOZ_SAS,Histone,Histone_H2A_C,Macro,NAP,Ig_3 n=1
RRM_1,Histone,Histone_H2A_C,Macro	RRM_1,Histone,Histone_H2A_C,Macro n=1
Histone,Macro	Histone,Macro n=1
Histone,Histone_H2A_C,Macro	Histone,Histone_H2A_C,Macro n=28
Histone,Histone_H2A_C	Histone,Histone_H2A_C n=3
Histone	Histone n=1



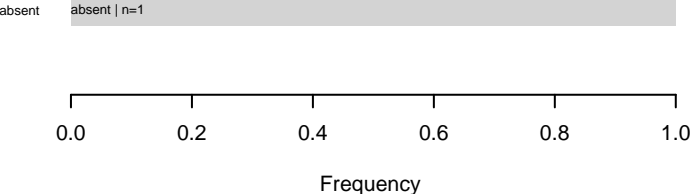
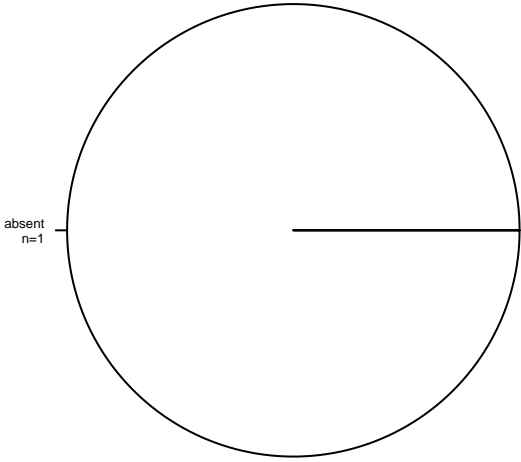
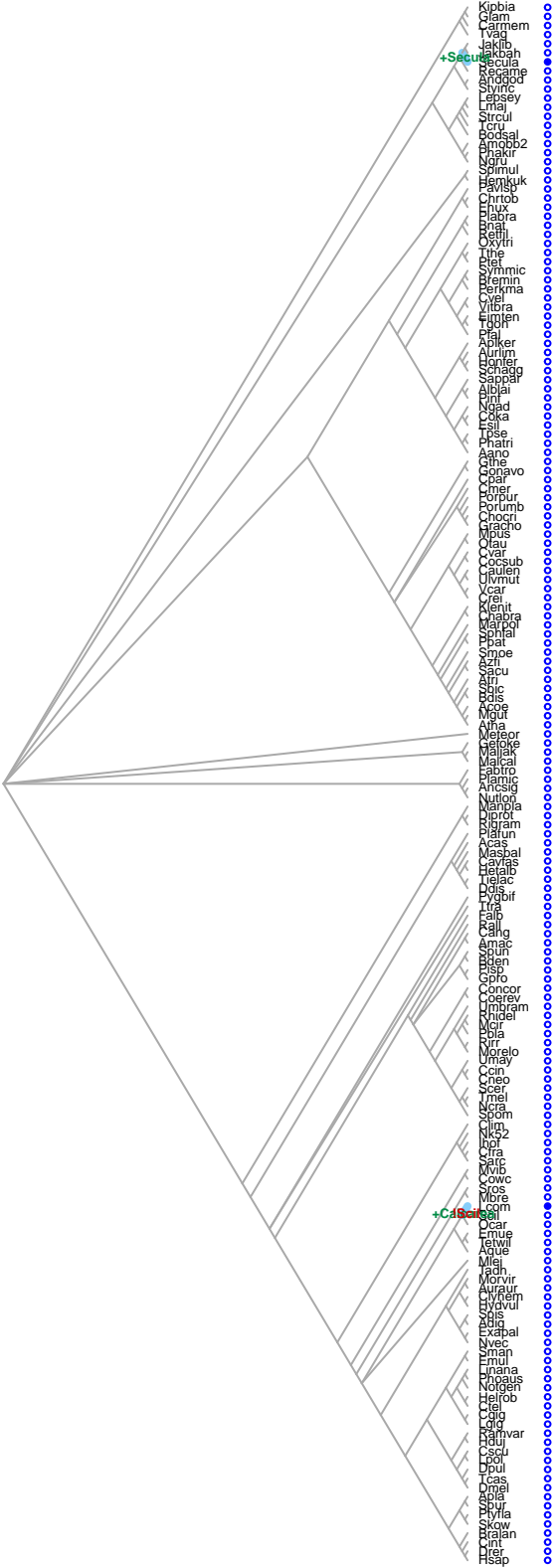
Gain: Metazoa,Recame,Tvag,NA
Presence Eukaryota prob = 0.00
Present: 31
Losses: NA

Histone.HG1.4
like:SOS1/SOS2



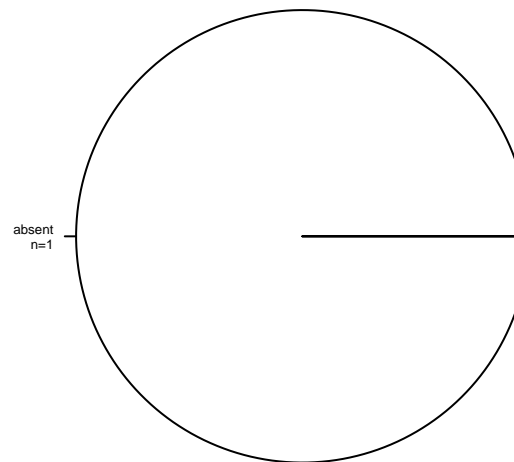
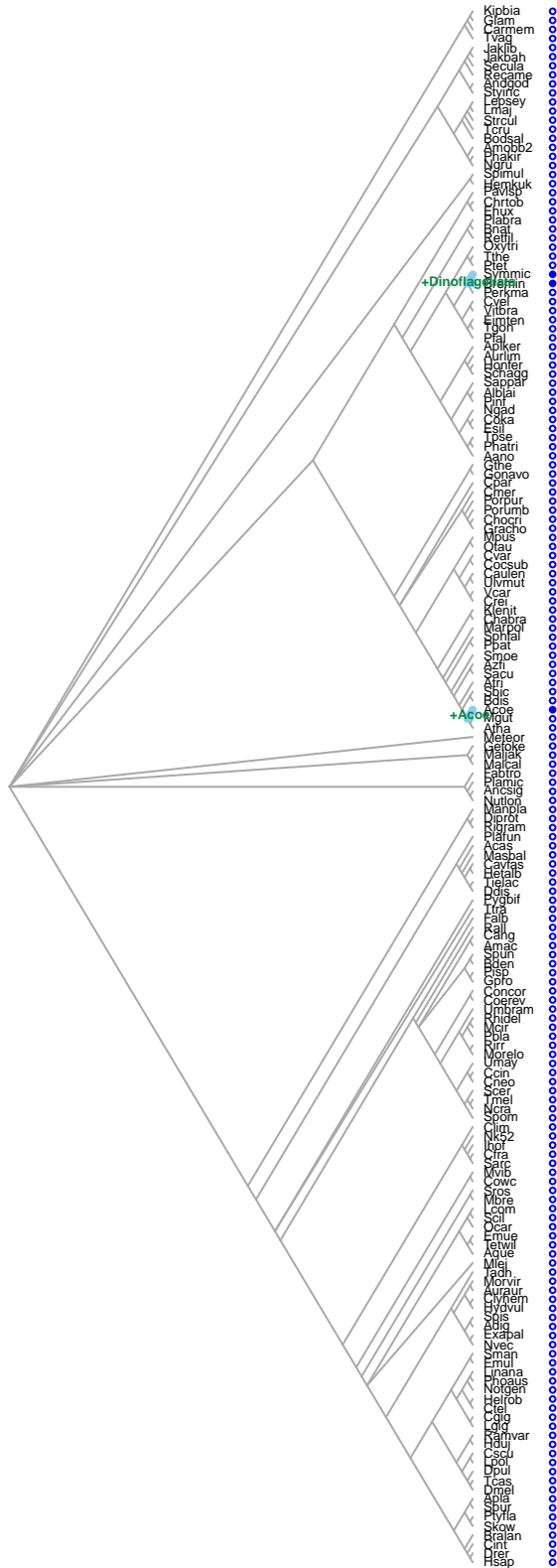
Gain: Lcom,Jaklib,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

Histone.HG1.5
like:SOS1/SOS2

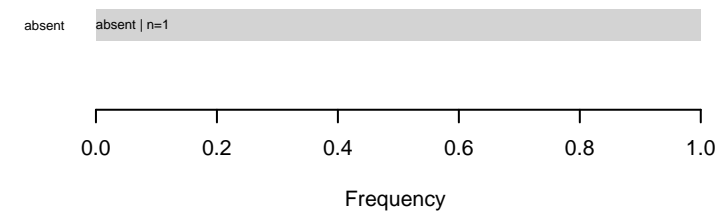


Gain: Calcareo, Secula, NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

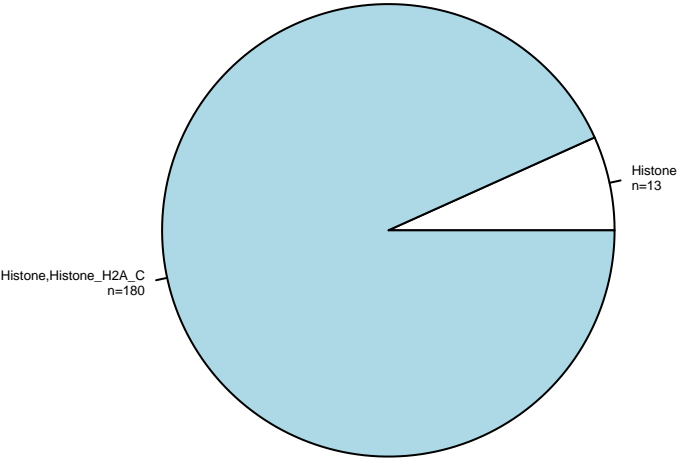
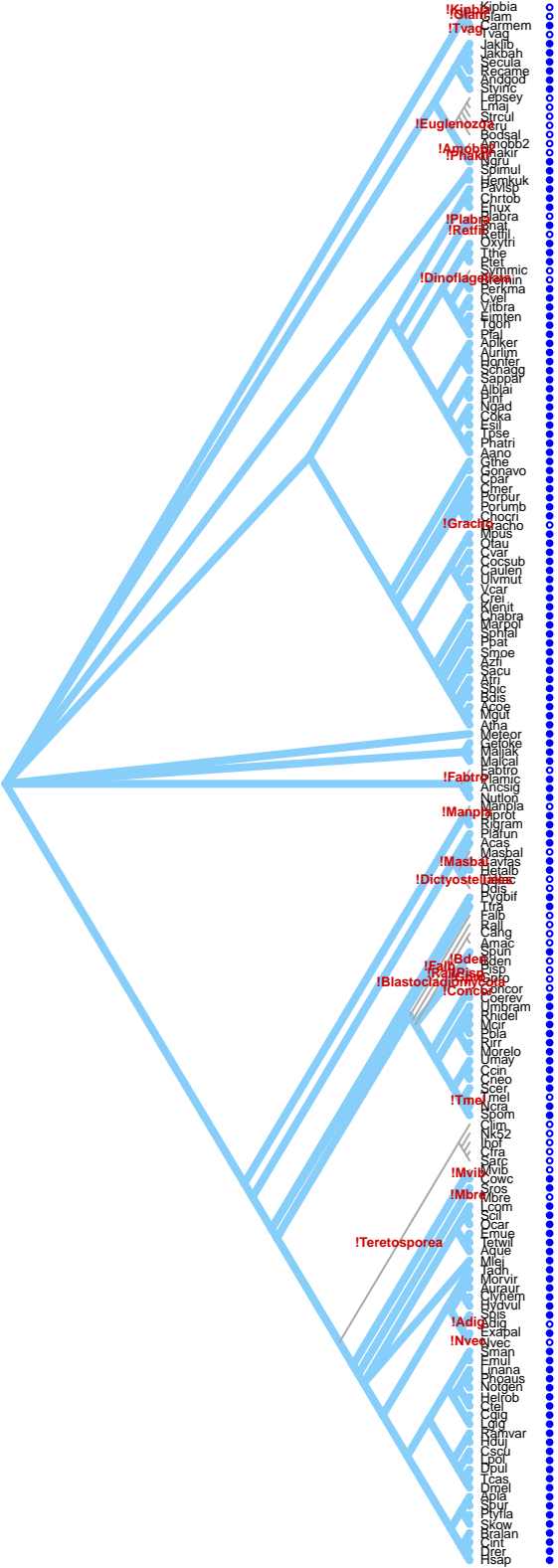
Histone.HG1.6
like:H2AZ1/H2AZ2



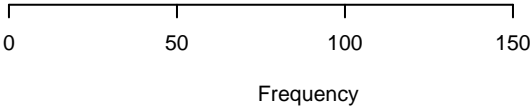
Gain: Acoe,Dinoflagellata,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA



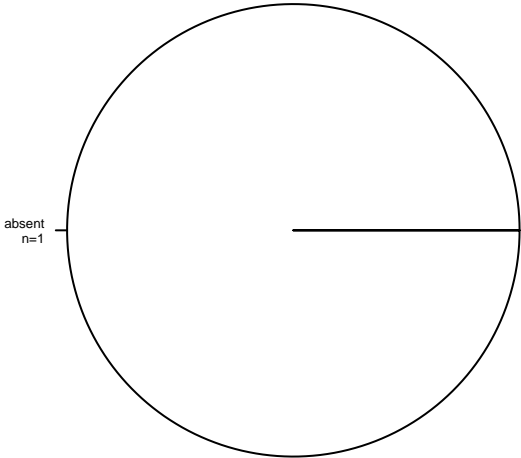
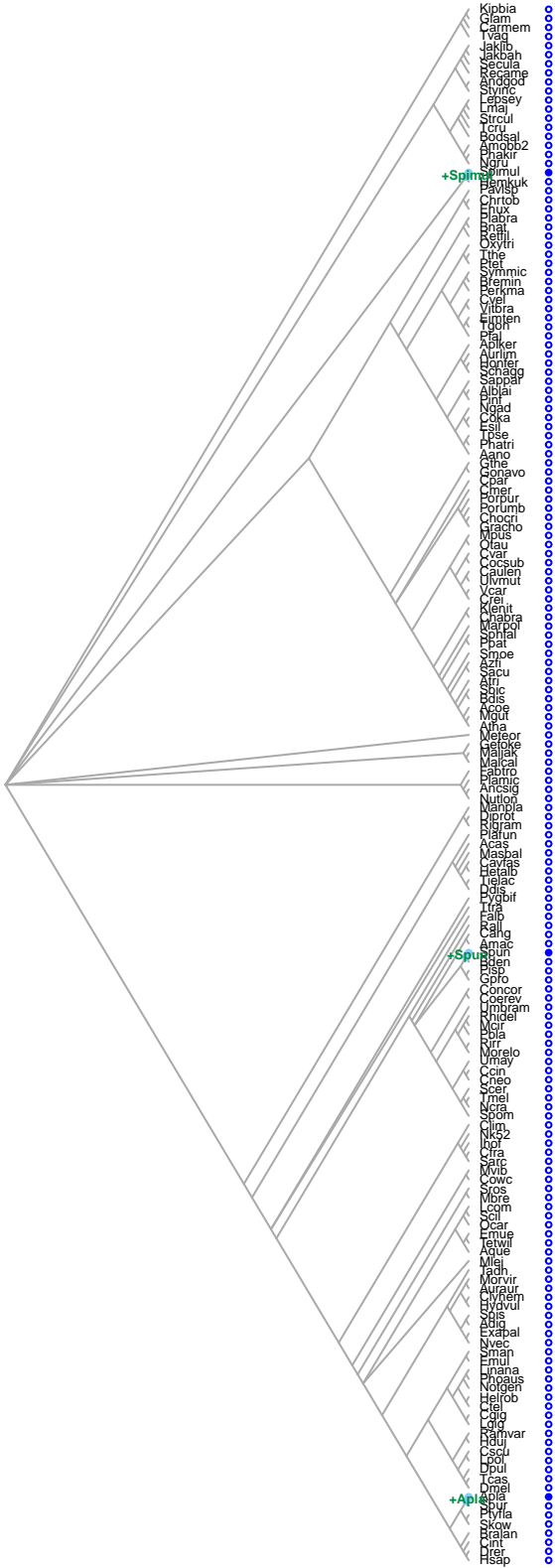
Histone.HG1.7
H2AZ1/H2AZ2



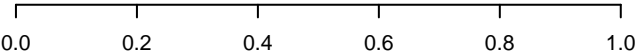
Histone.HG1.7
H2AZ1/H2AZ2



Gain: NA
Presence Eukaryota prob = 1.00
Present: 134
Losses: NA



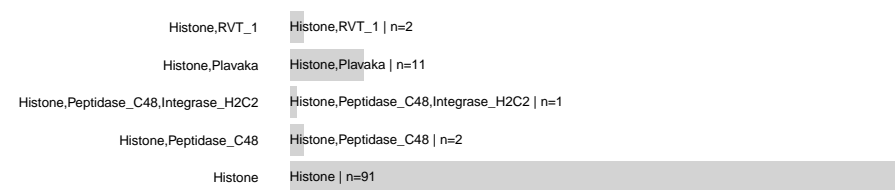
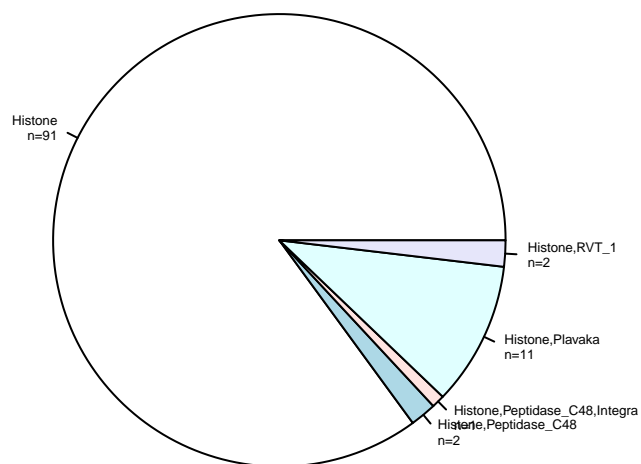
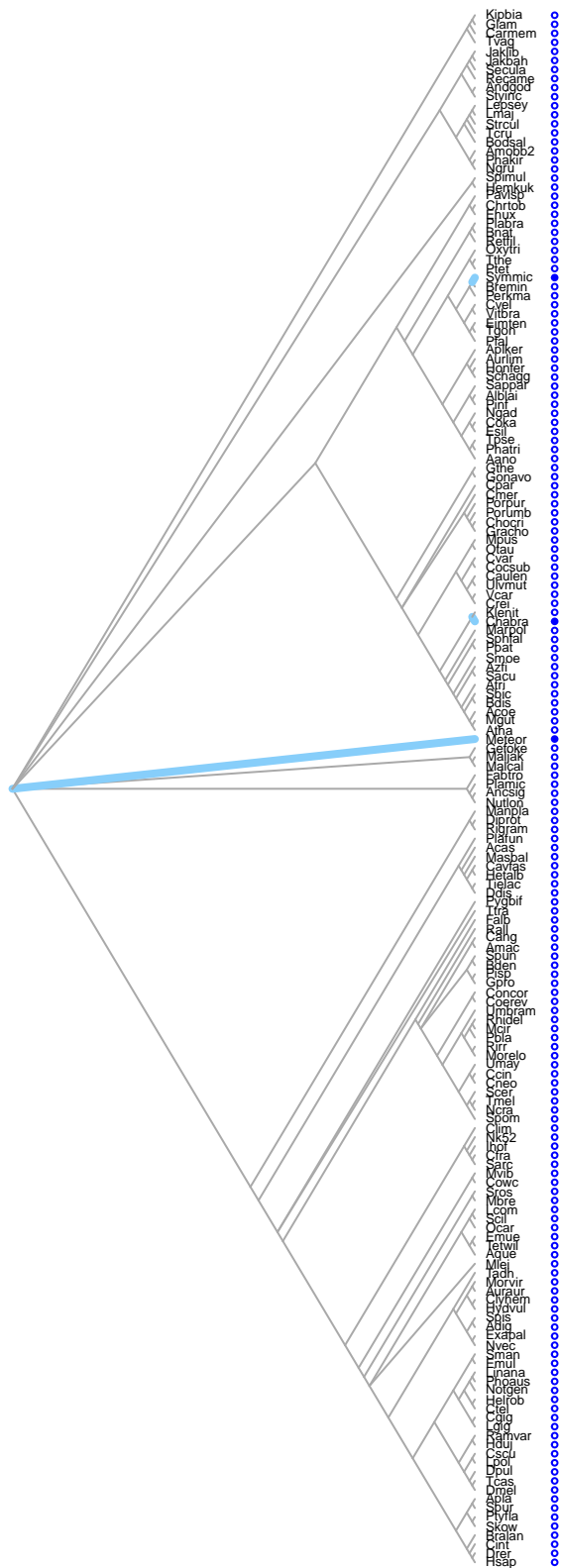
absent absent | n=1



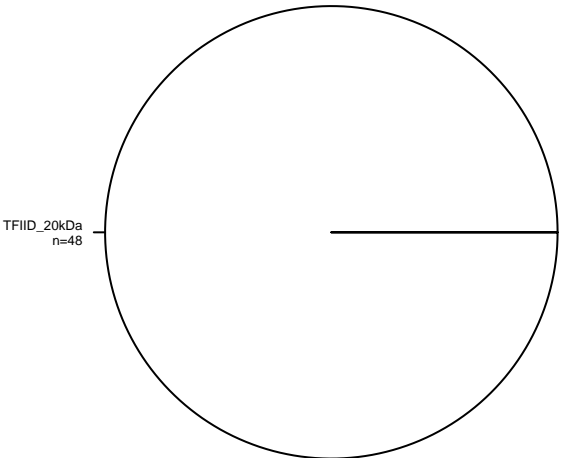
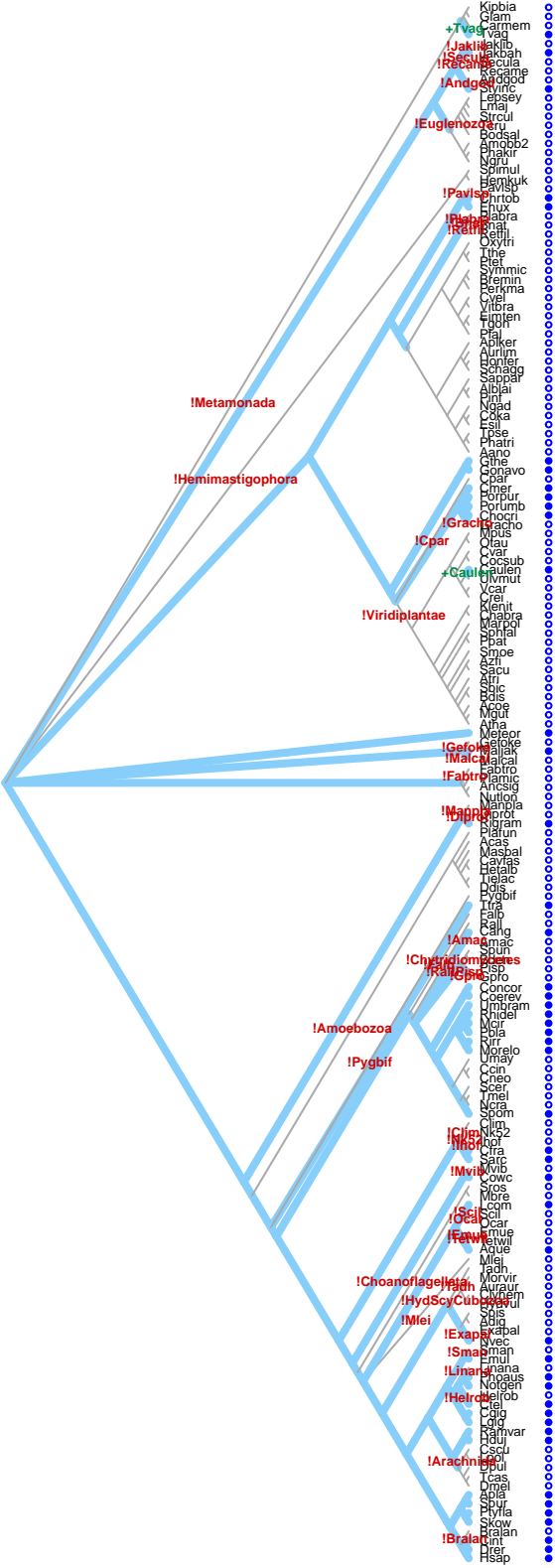
Frequency

Gain: Apla,Spun,Spimul,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

Histone.HG10.0
NA

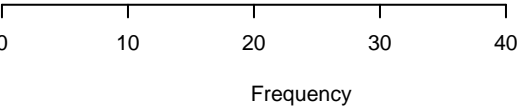


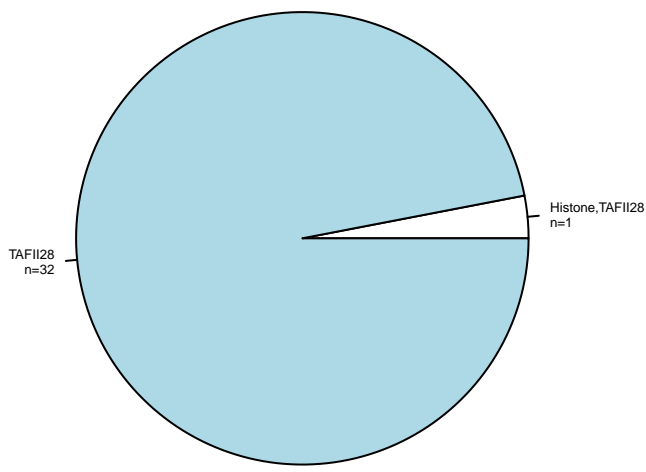
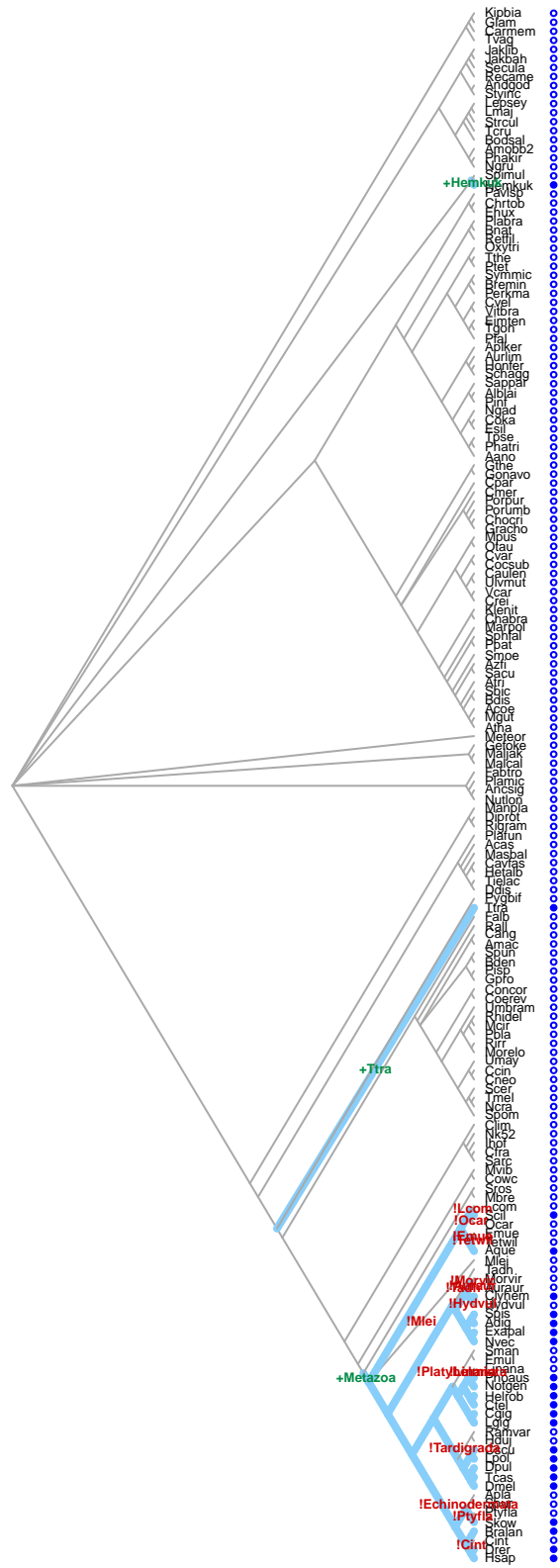
NA, NA
Presence Eukaryota prob = NaN
Present: 3
Losses: NA



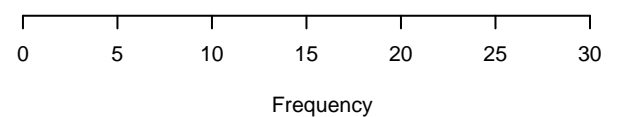
TFIID_20kDa

TFIID_20kDa | n=48



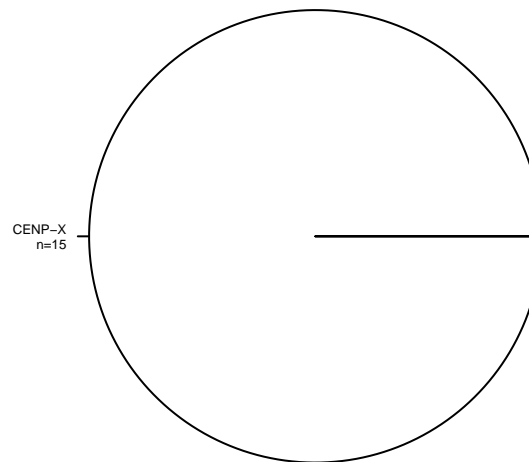
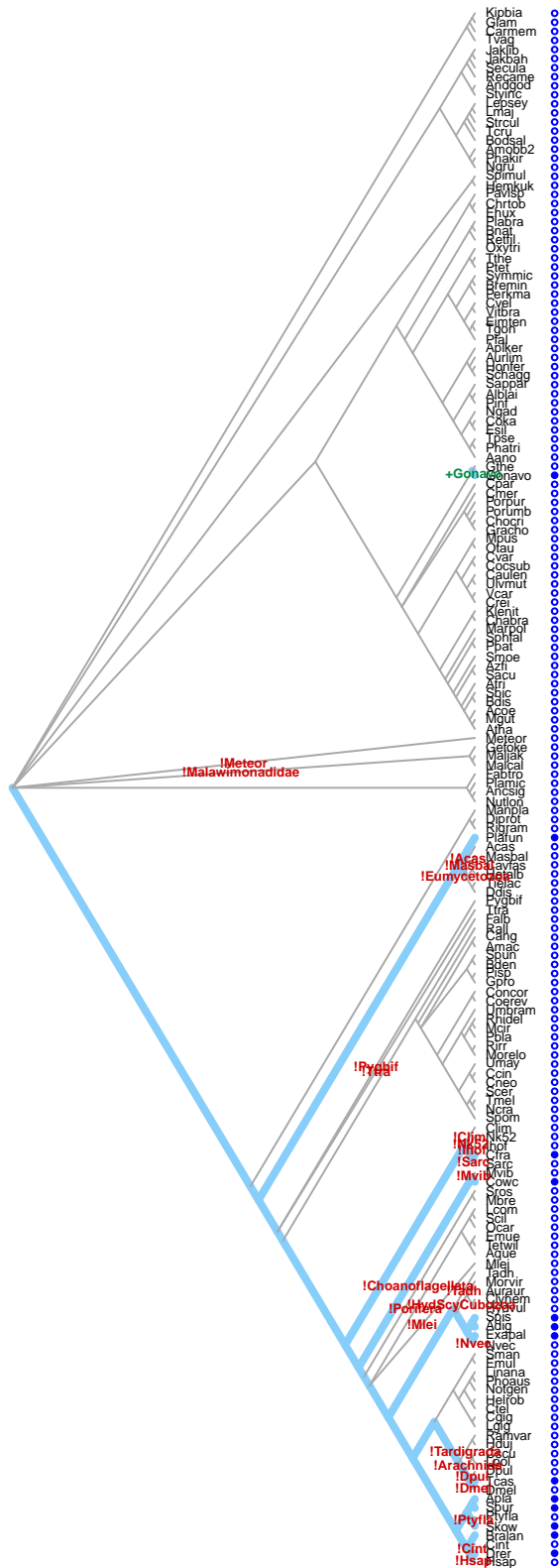


TAF11L28	TAF11L28 n=32
Histone, TAF11L28	Histone, TAF11L28 n=1

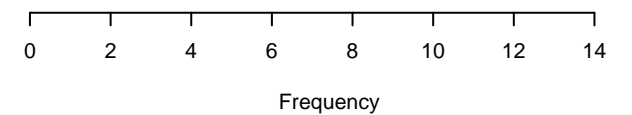


Gain: Metazoa,Ttra,Hemkuk,NA
Presence Eukaryota prob = 0.08
Present: 24
Losses: NA

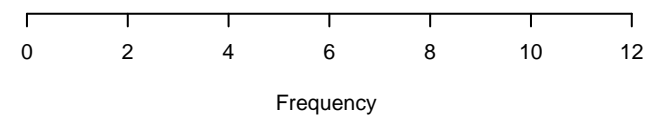
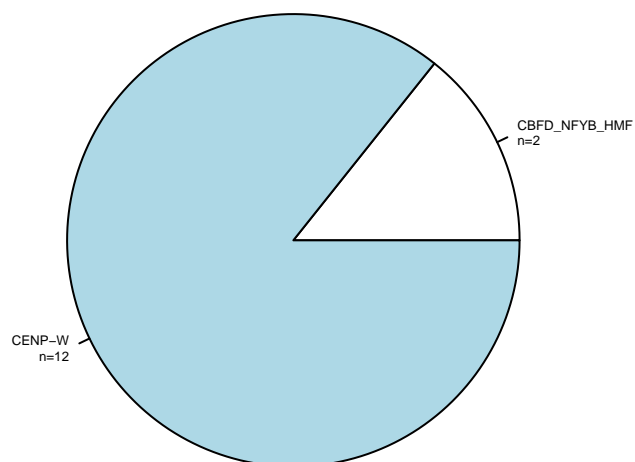
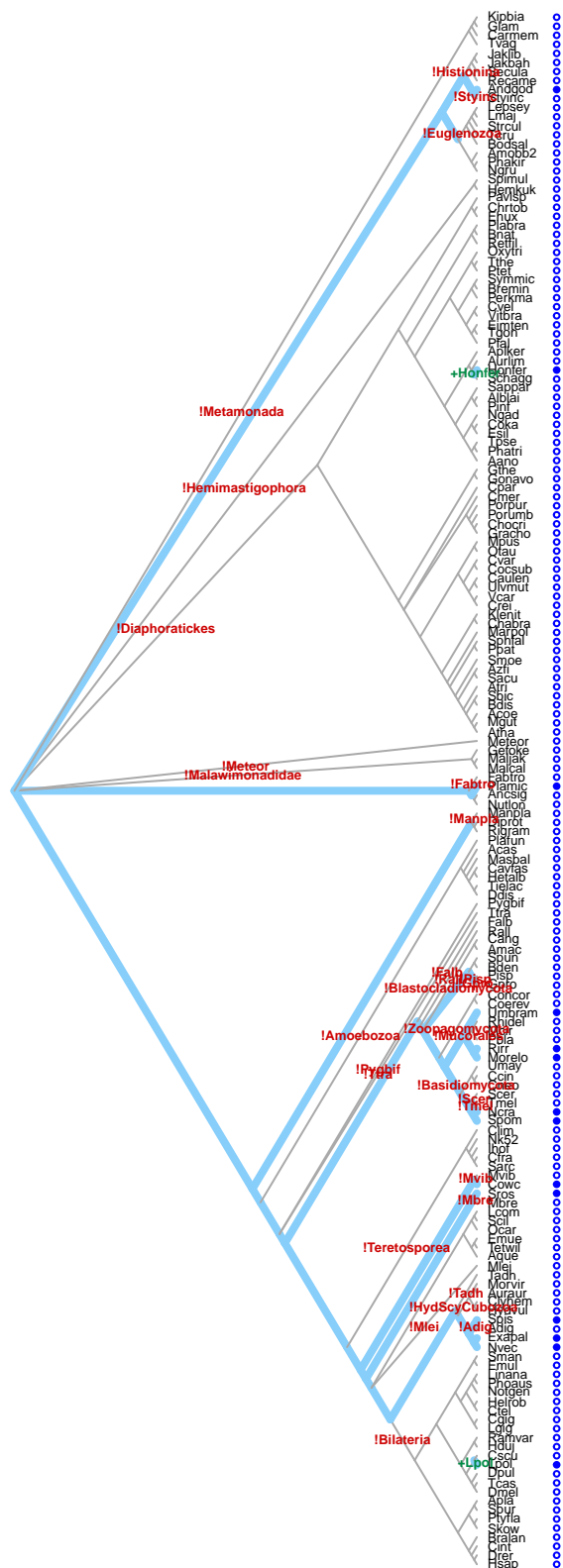
Histone.HG13.0
NA



CENP-X | n=15

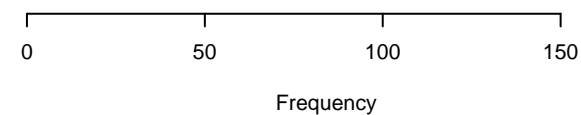
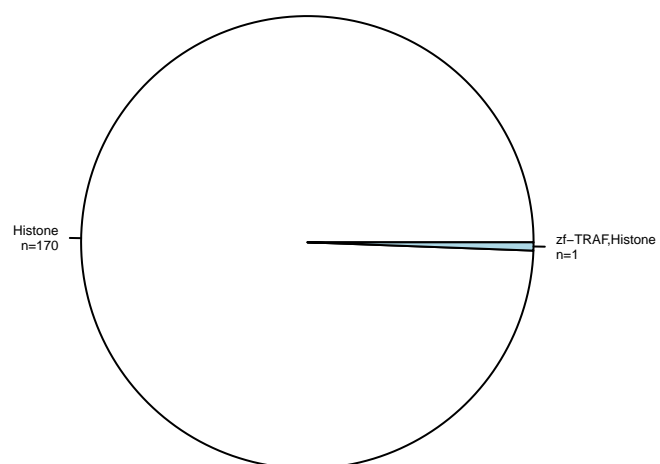
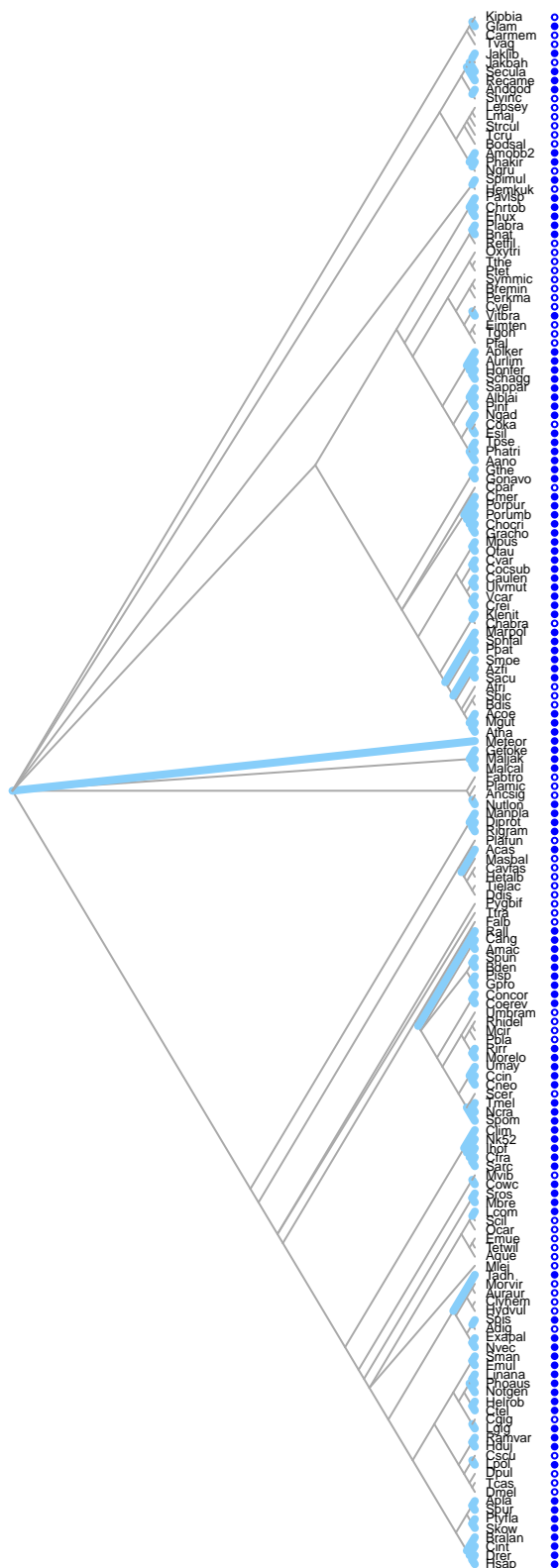


Histone.HG14.0
NA

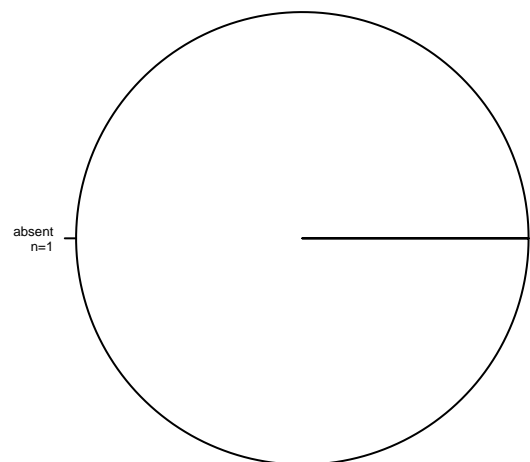
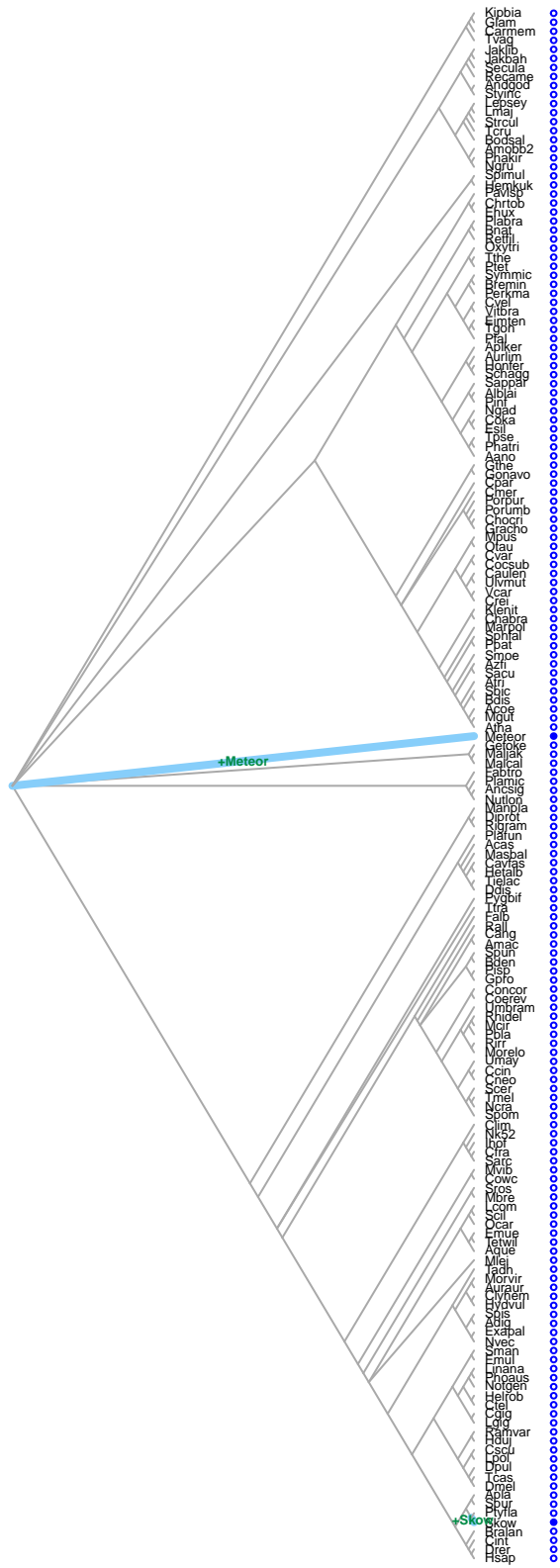


Gain: Lpol,Honfer,NA
Presence Eukaryota prob = 0.77
Present: 14
Losses: NA

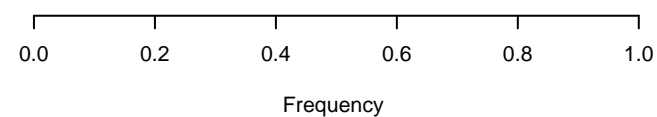
Histone.HG2.0
CENPA

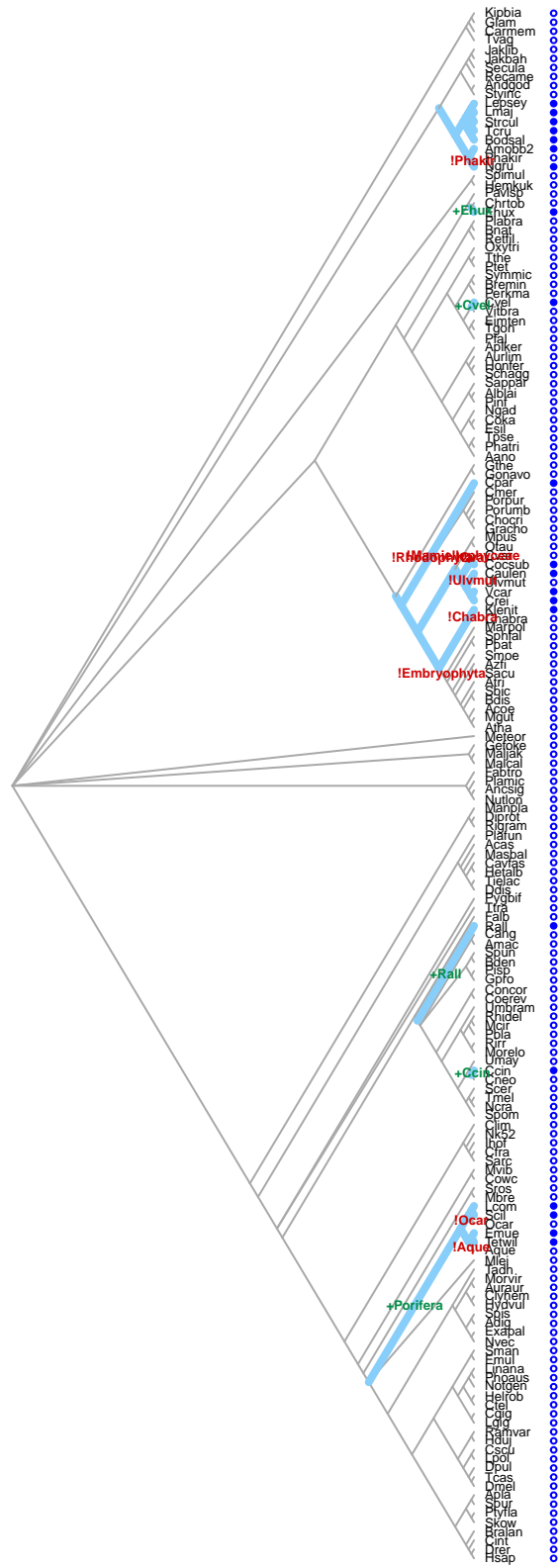


NA, NA
Presence Eukaryota prob = NaN
Present: 109
Losses: NA



Gain: Skow,Meteor,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA





!Phage

+Ehux

+Cvel

!Rf

!Mam

!Chab

!Embryophyta

+Rall

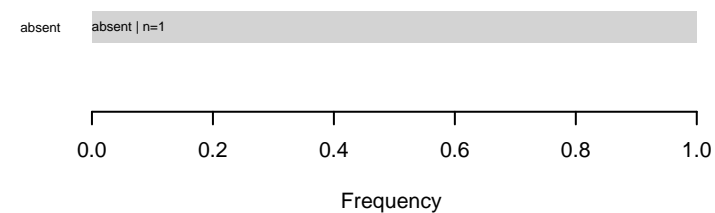
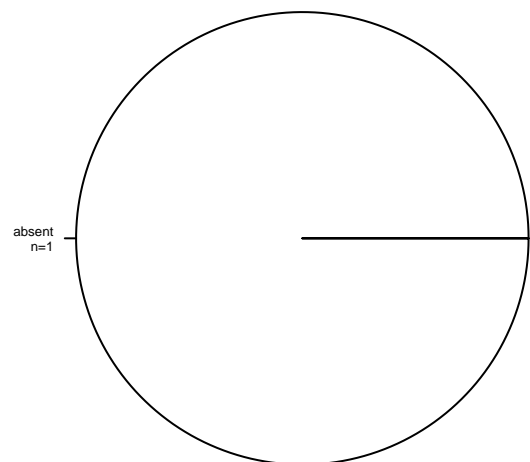
+Ccin

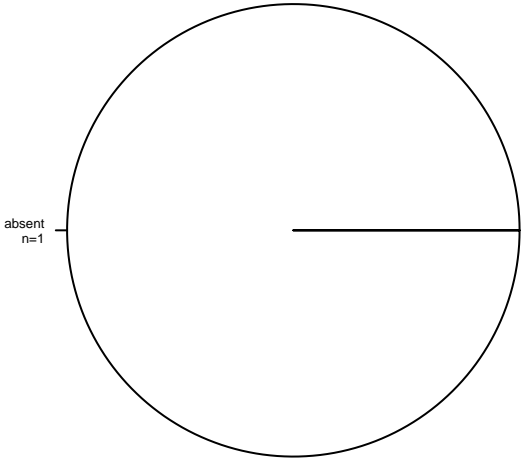
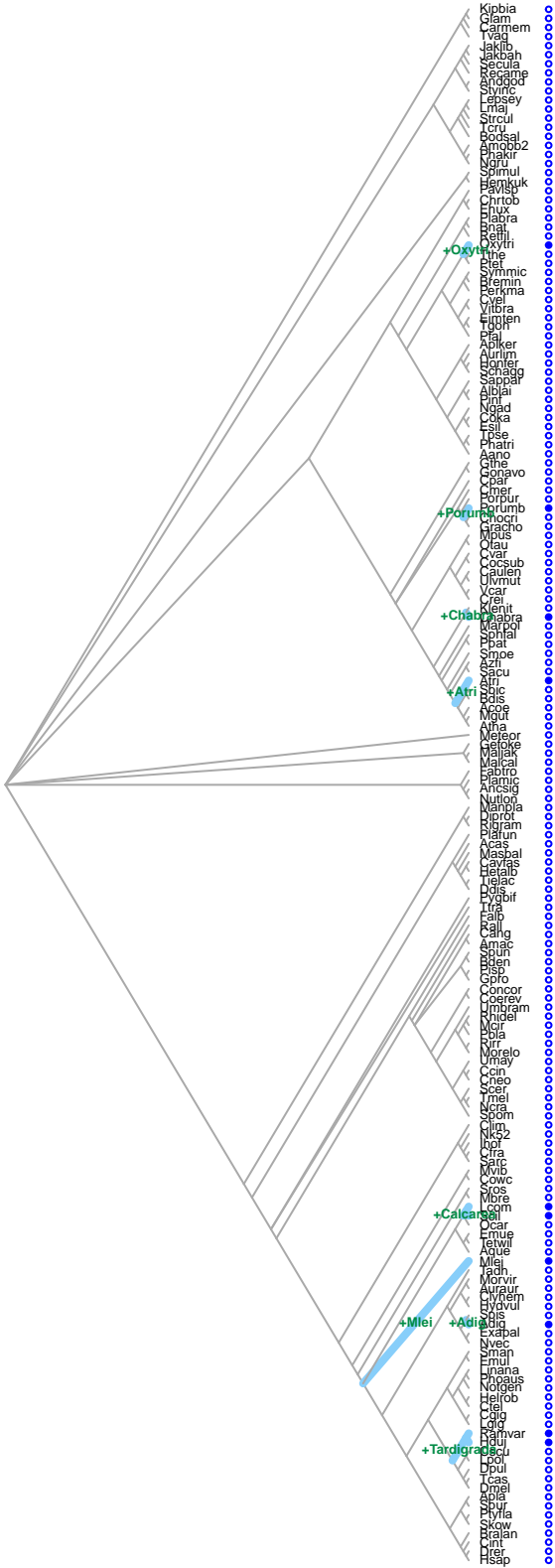
!Ocar

!Aque

+Porifera

Gain: Porifera,Ccin,Rall,Cvel,Ehux,NA
Presence Eukaryota prob = 0.21
Present: 21
Losses: NA



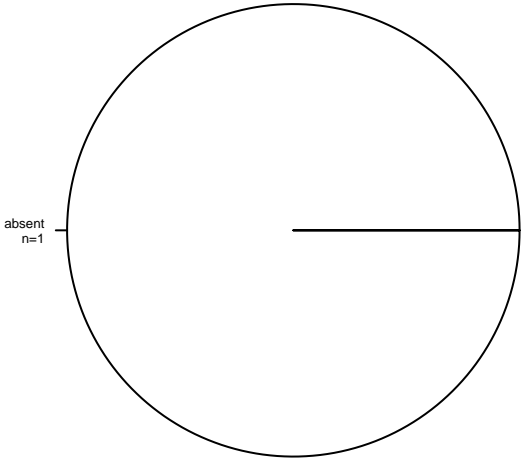
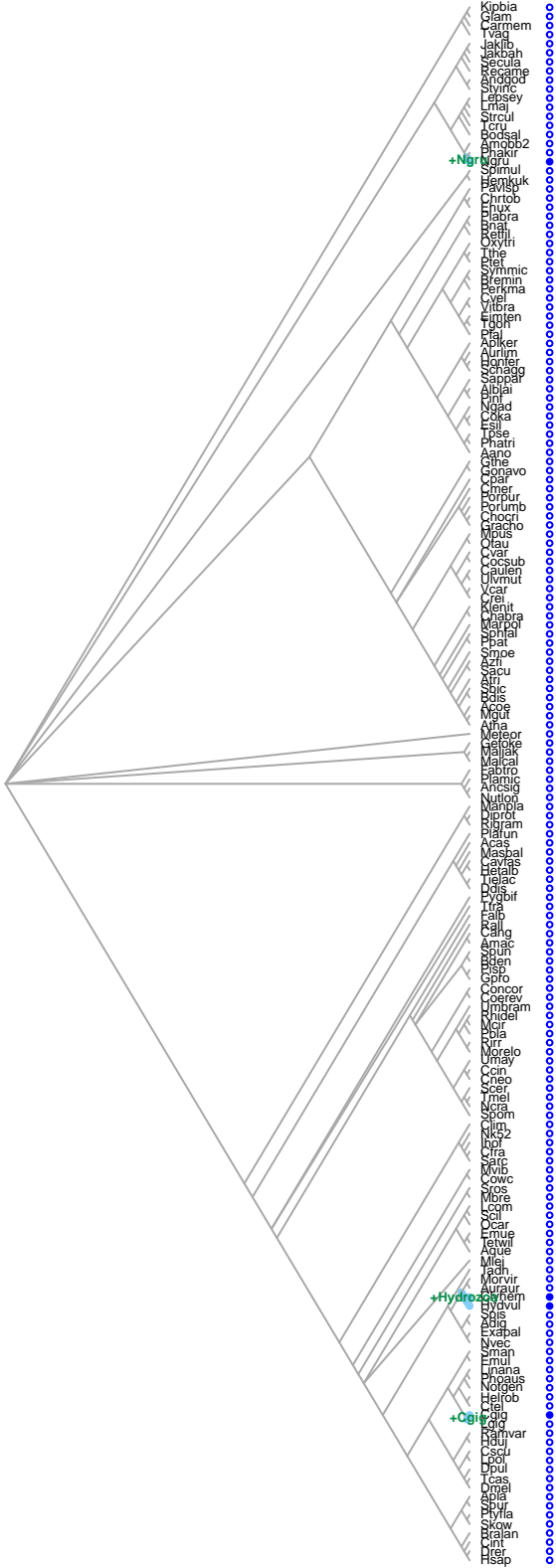


absent absent | n=1

0.0 0.2 0.4 0.6 0.8 1.0

Frequency

Gain: Tardigrada,Adig,Mlei,Calcarea,Atri,Chabra,Porumb,Oxytri,NA
Presence Eukaryota prob = 0.00
Present: 10
Losses: NA

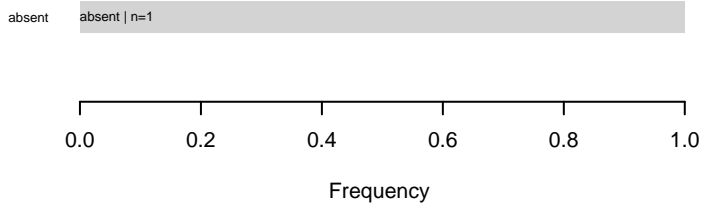
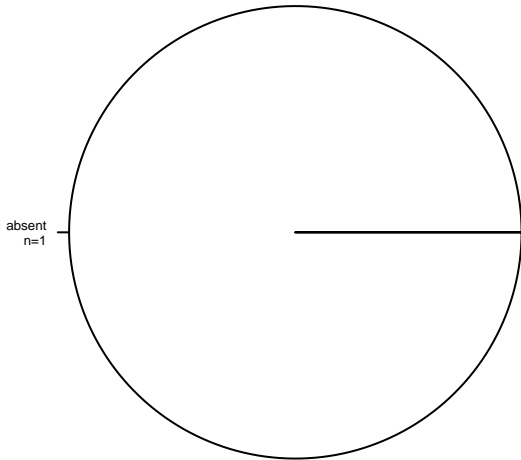
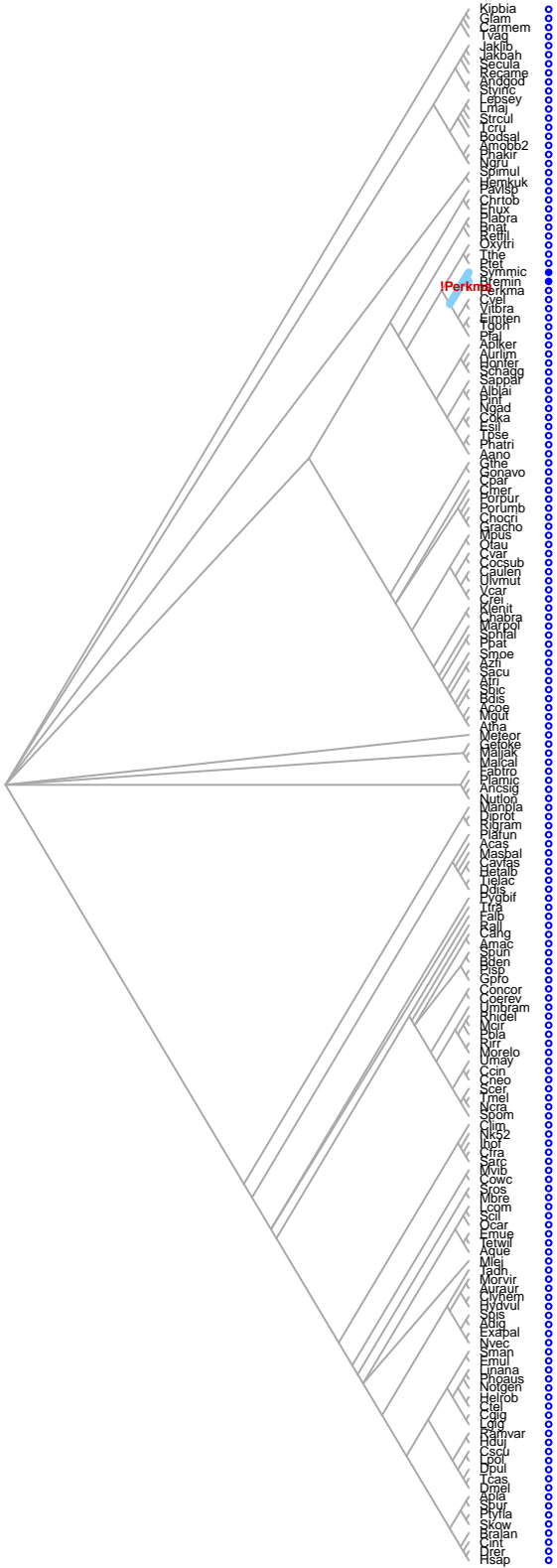


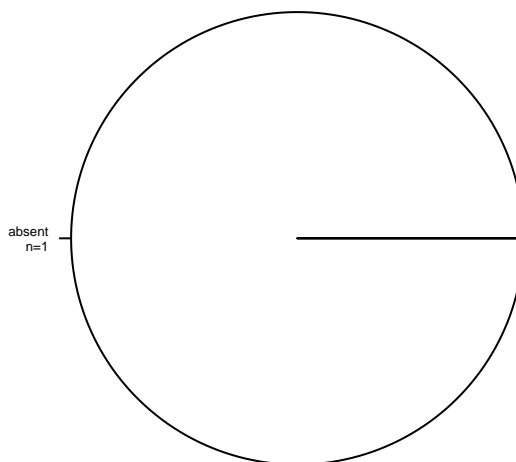
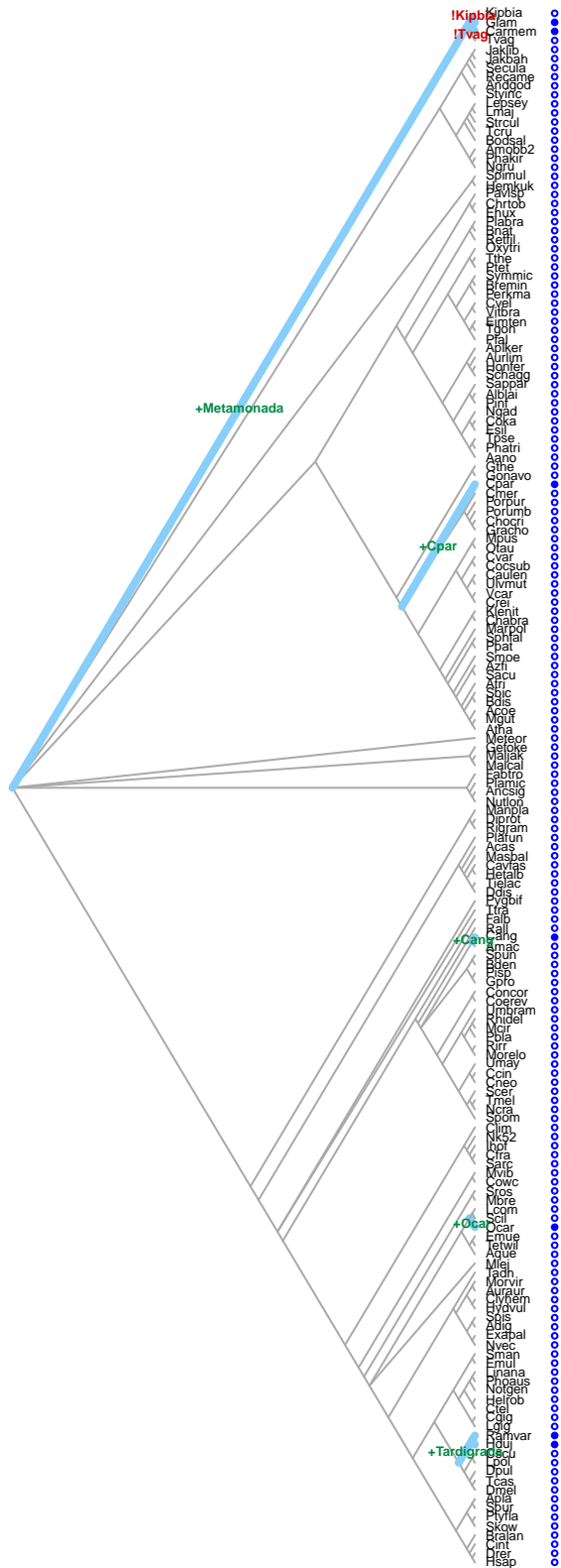
absent absent | n=1

0.0 0.2 0.4 0.6 0.8 1.0

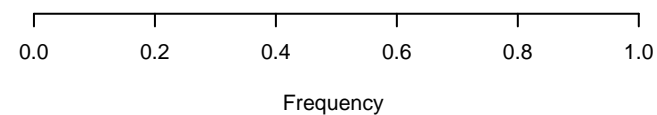
Frequency

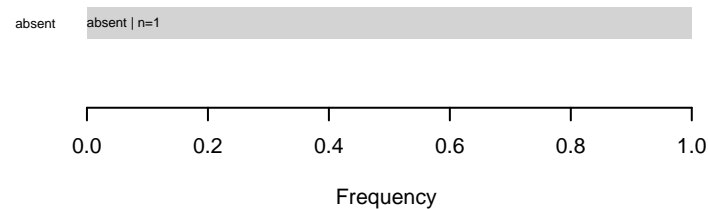
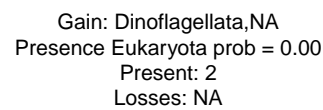
Gain: Cgig,Hydrozoa,Ngru,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA

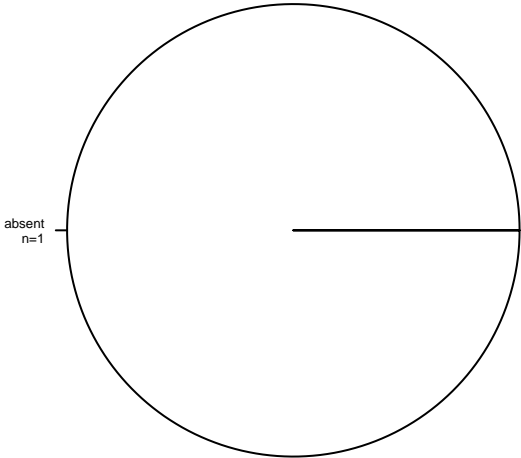
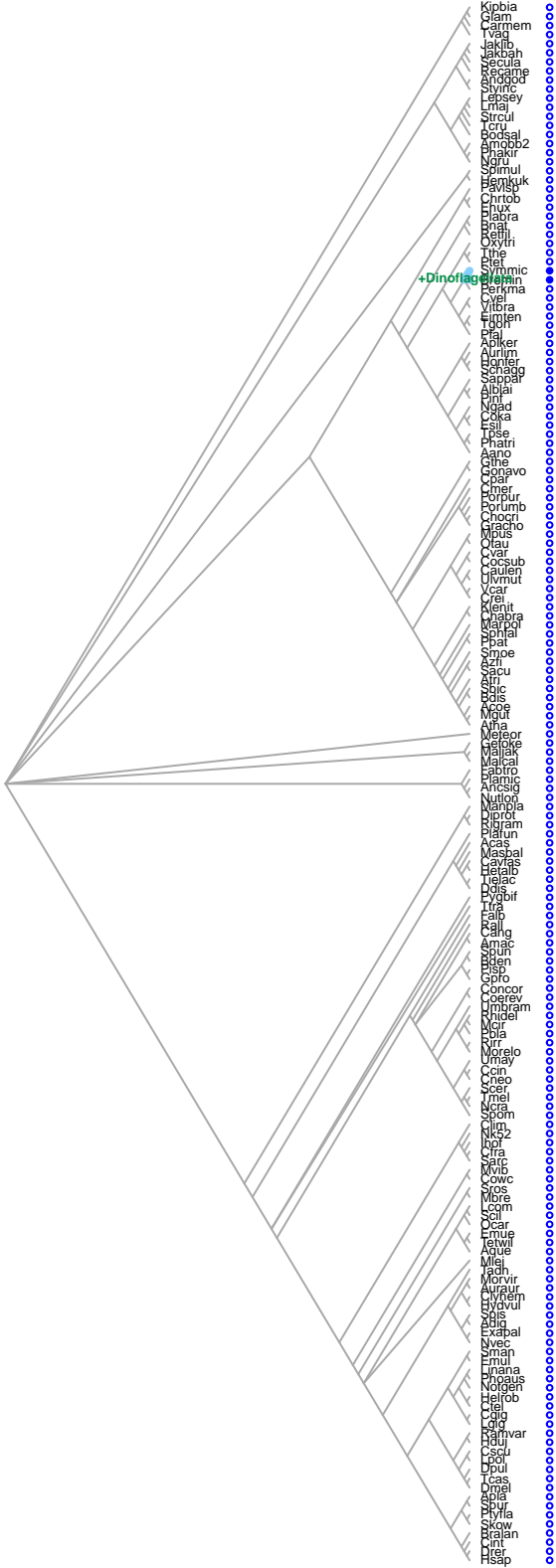




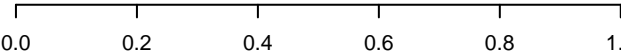
Gain: Tardigrada,Ocar,Cang,Cpar,Metamonada,NA
Presence Eukaryota prob = 0.00
Present: 7
Losses: NA



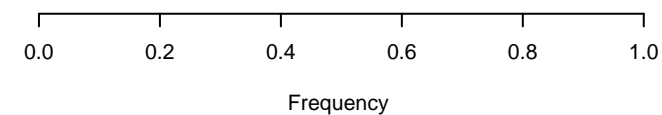
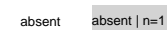
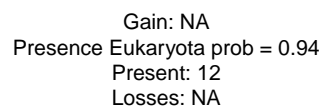


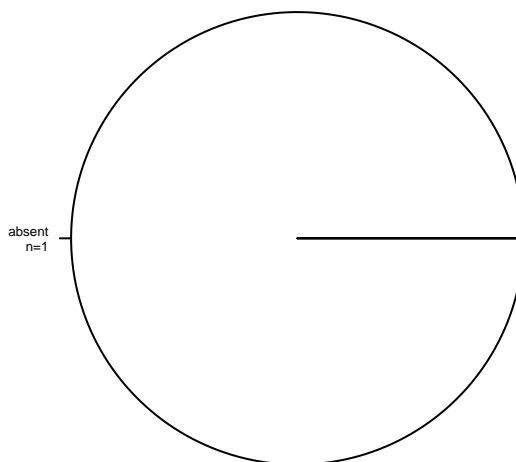


absent absent | n=1



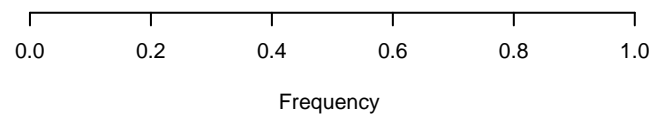
Gain: Dinoflagellata,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

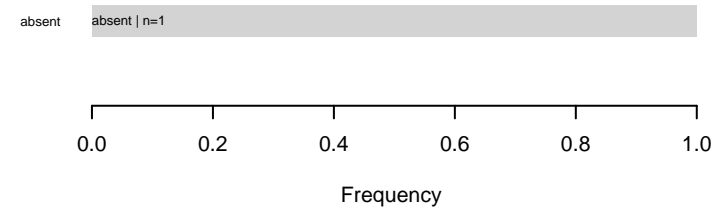
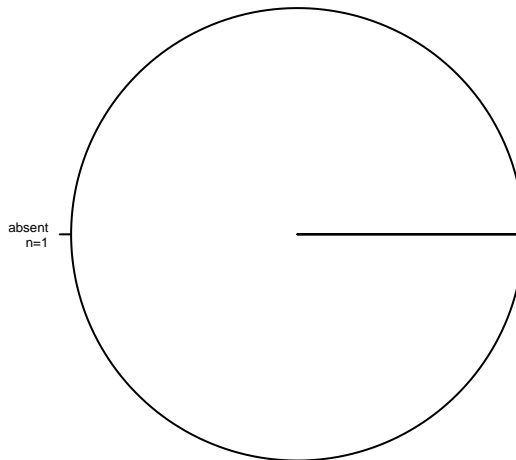
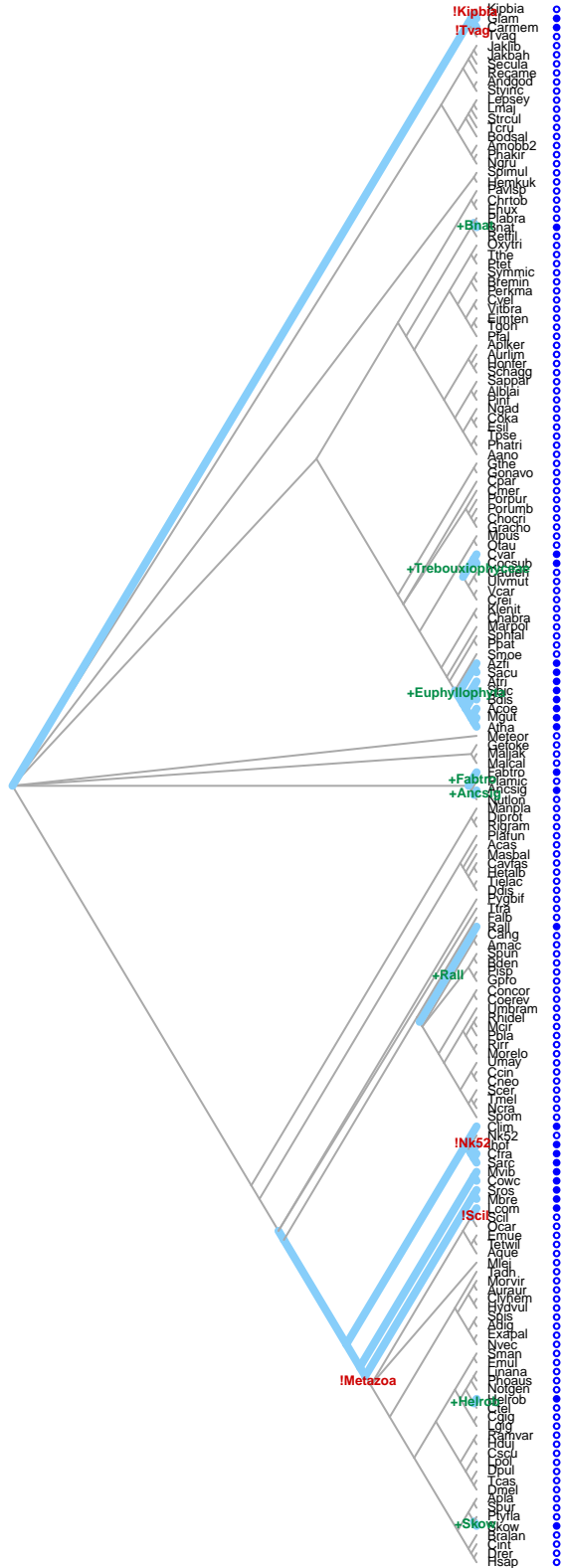




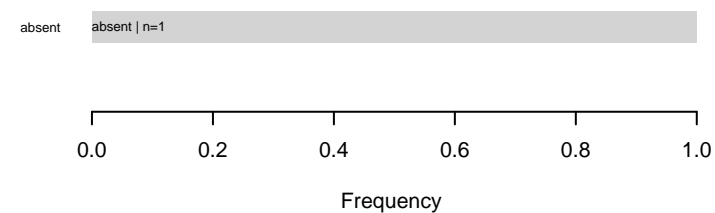
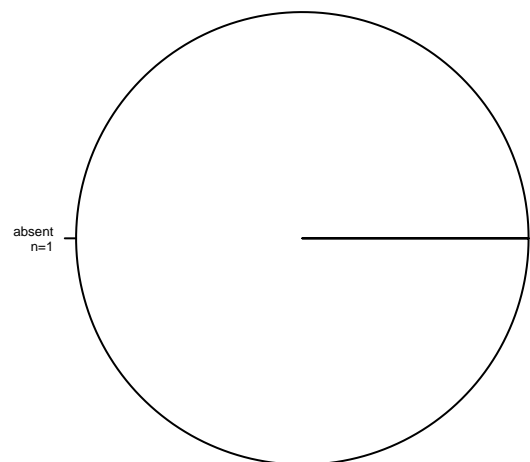
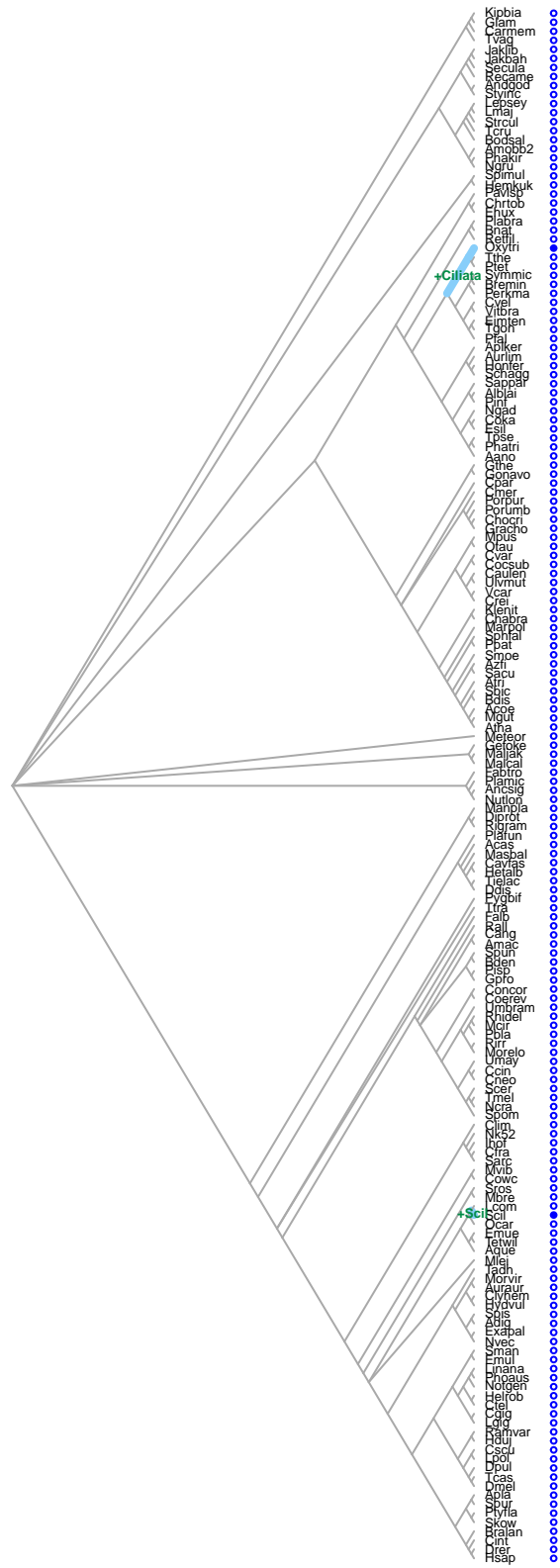
absent
n=1

absent absent | n=1





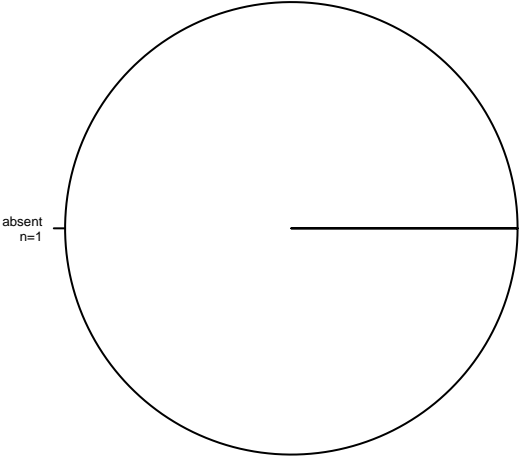
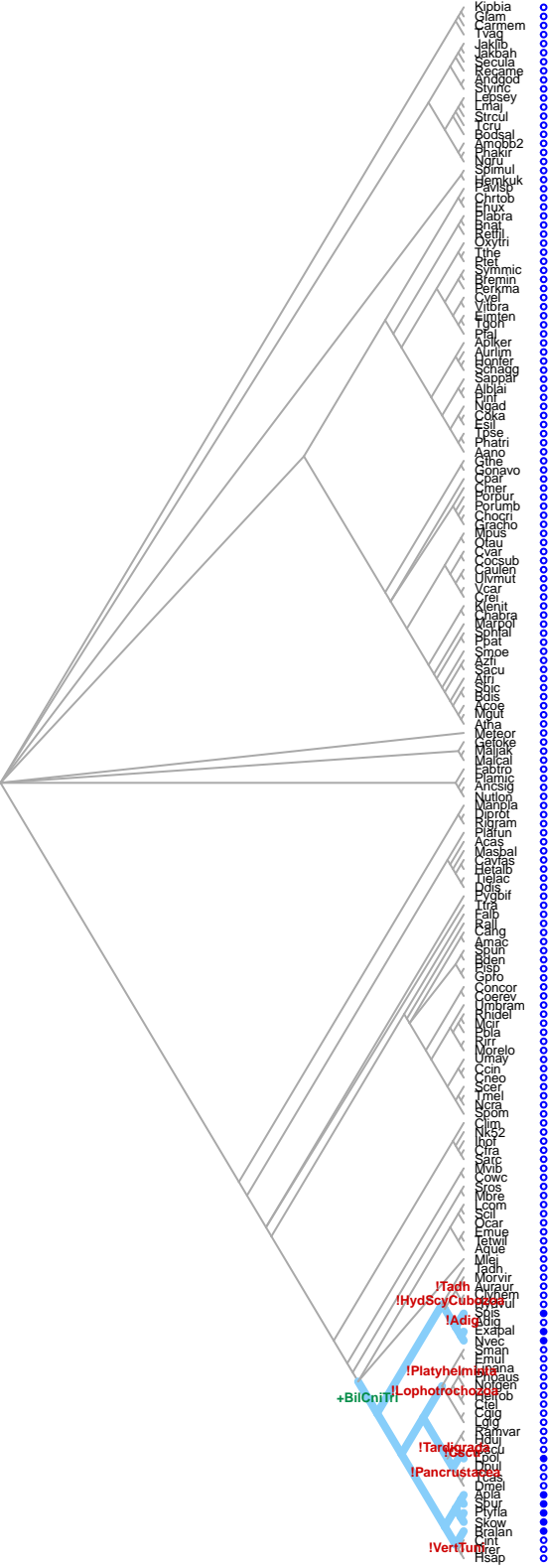
Gain: Skow,Helrob,Rall,Ansig,Fabtro,Euphyllophyta,Treboxiophyceae,Bnat,N
Presence Eukaryota prob = 0.26
Present: 27
Losses: NA



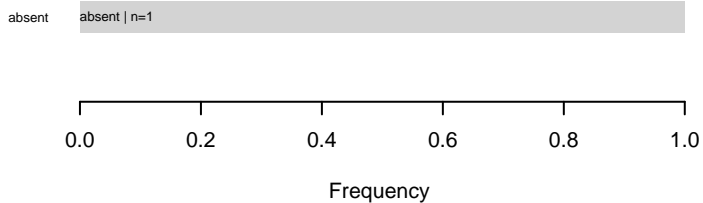
Gain: Scil,Ciliata,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/

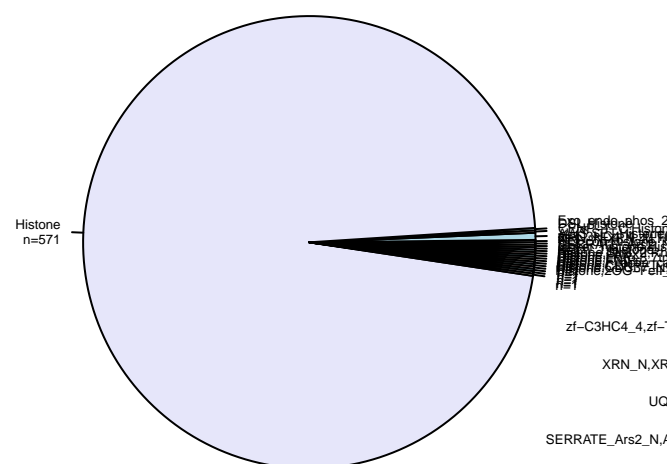
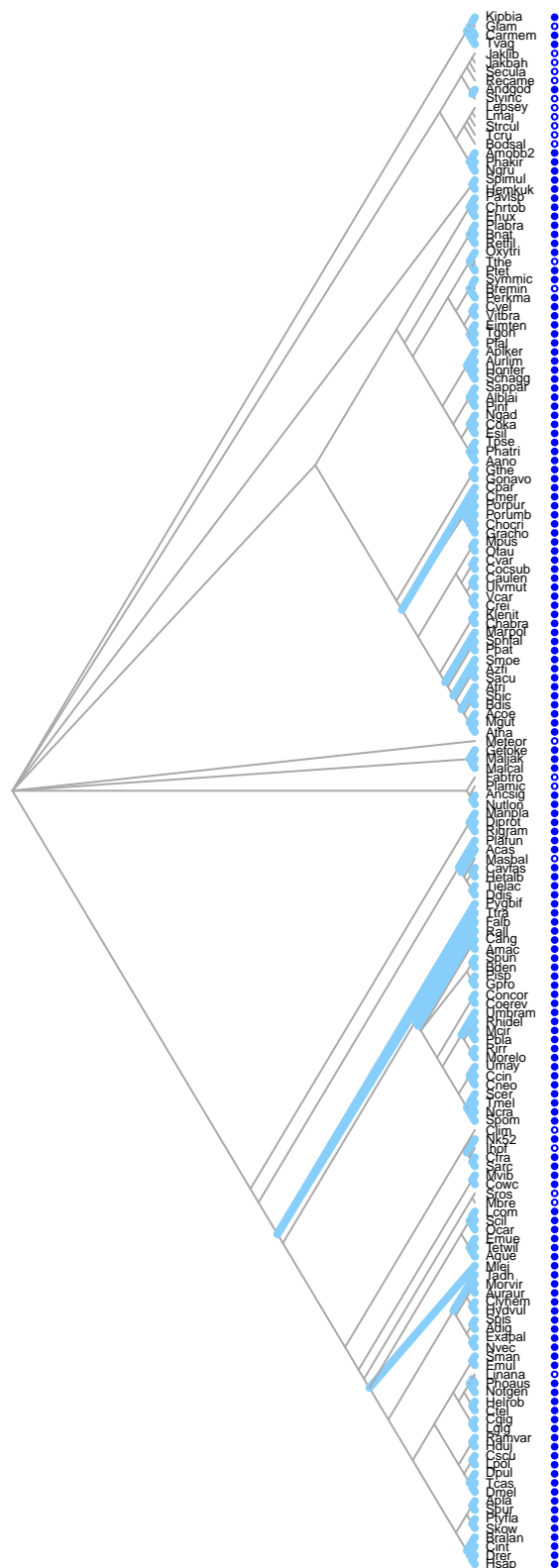
Histone.HG2.4



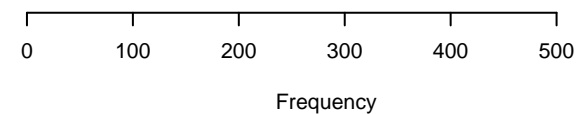
Gain: BilCniTri,NA
Presence Eukaryota prob = 0.00
Present: 9
Losses: NA



H3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15

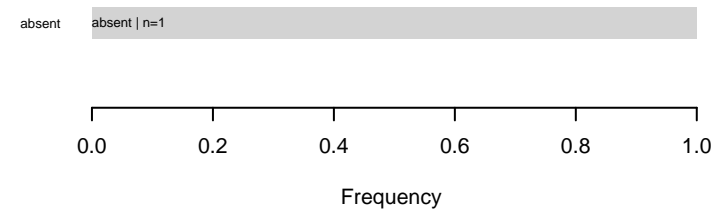
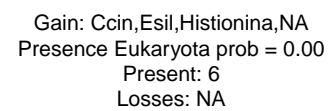


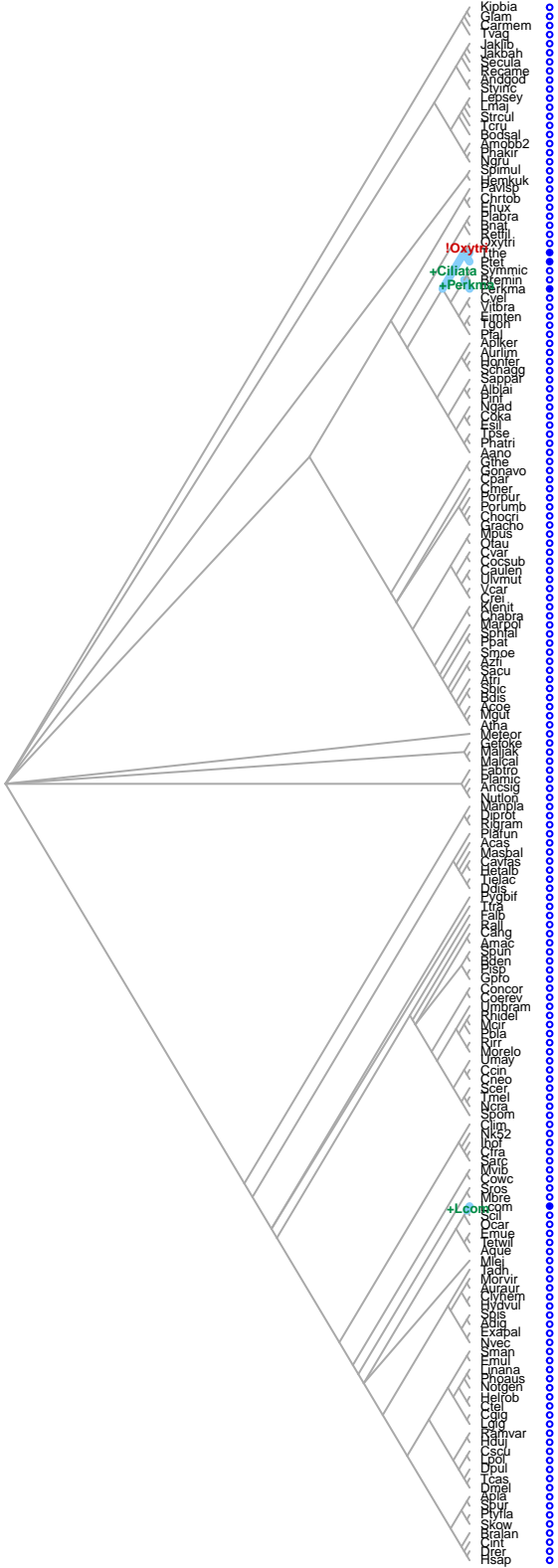
zf-C3HC4_4,zf-TRAF,Histone	zf-C3HC4_4,zf-TRAF,Histone n=1
XRN_N,XRN_M,Histone	XRN_N,XRN_M,Histone n=1
UQ_con,Histone	UQ_con,Histone n=1
SERRATE_Ars2_N,ARS2,Histone	SERRATE_Ars2_N,ARS2,Histone n=1
Linker_histone,Histone	Linker_histone,Histone n=1
Kelch_1,Histone	Kelch_1,Histone n=1
Histone,SH3_2,RhoGEF,PH	Histone,SH3_2,RhoGEF,PH n=1
Histone,PAXX	Histone,PAXX n=1
Histone,LRR_8,7tm_1	Histone,LRR_8,7tm_1 n=1
Histone,FNIP	Histone,FNIP n=1
Histone,F_actin_cap_B	Histone,F_actin_cap_B n=1
Histone,CENP-T_C	Histone,CENP-T_C n=1
Histone,CDC37_N,CDC37_M,CDC37_C	Histone,CDC37_N,CDC37_M,CDC37_C n=1
Histone,2OG-Fell_Oxy_3	Histone,2OG-Fell_Oxy_3 n=1
Histone	Histone n=571
Exo_endo_phos_2,RVT_1,Histone	Exo_endo_phos_2,RVT_1,Histone n=1
DSL,Histone	DSL,Histone n=1
CENP-T_C,Histone	CENP-T_C,Histone n=3
AWS,SET,Histone	AWS,SET,Histone n=1



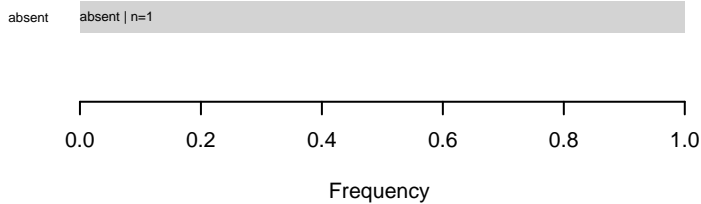
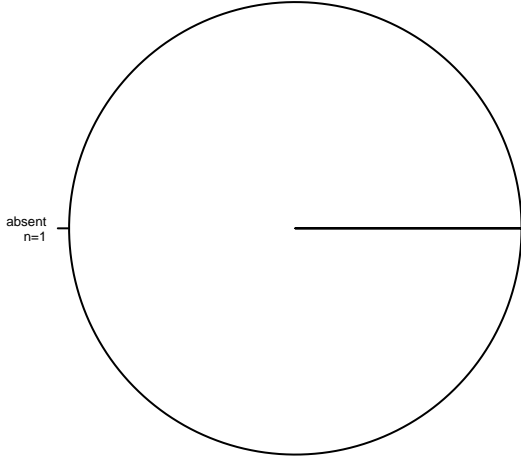
NA,NA
Presence Eukaryota prob = NaN
Present: 150
Losses: NA

2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14

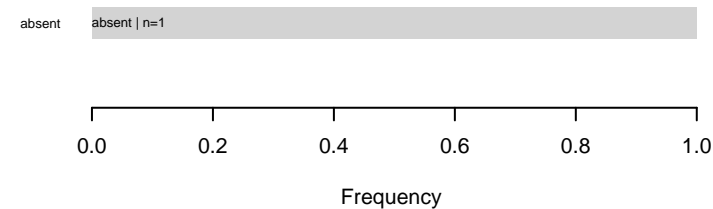
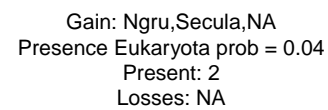


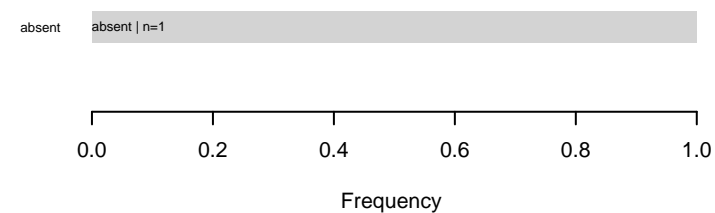
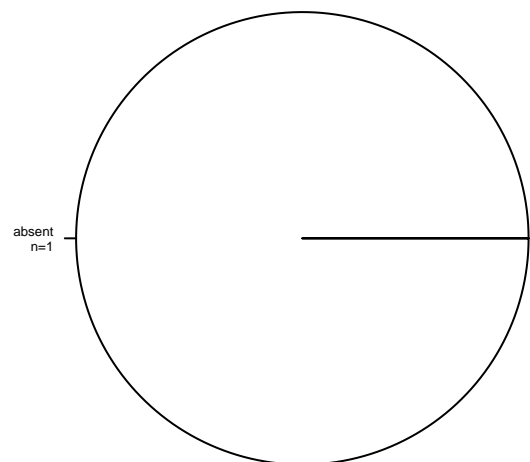
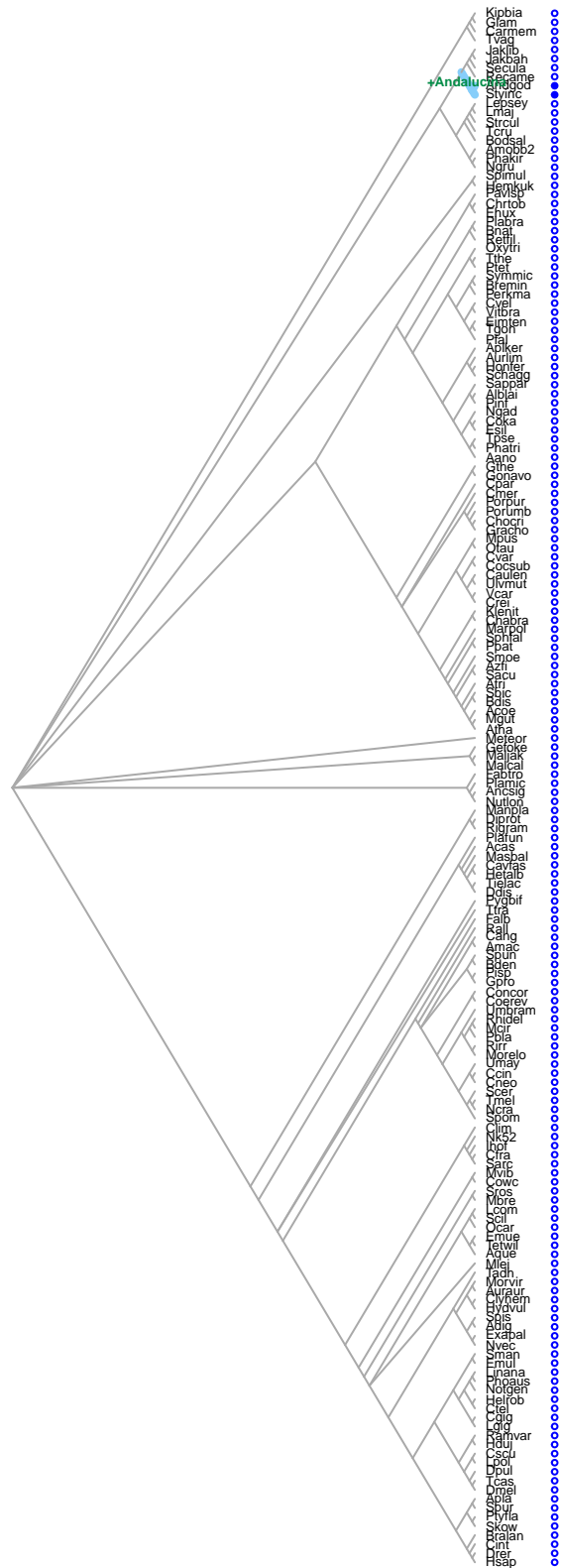


Gain: Lcom,Perkma,Ciliata,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA

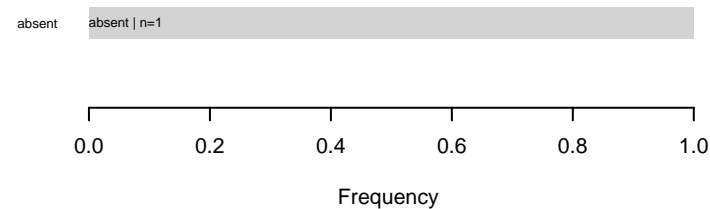
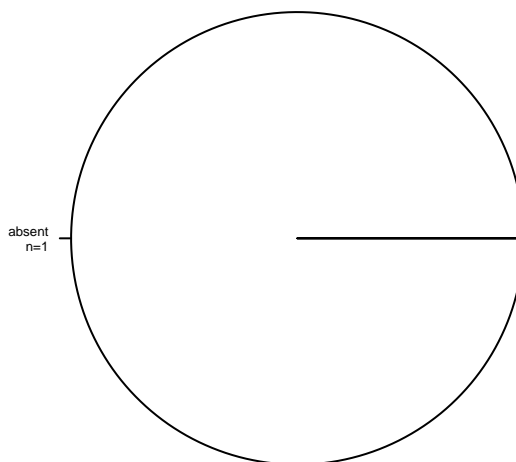
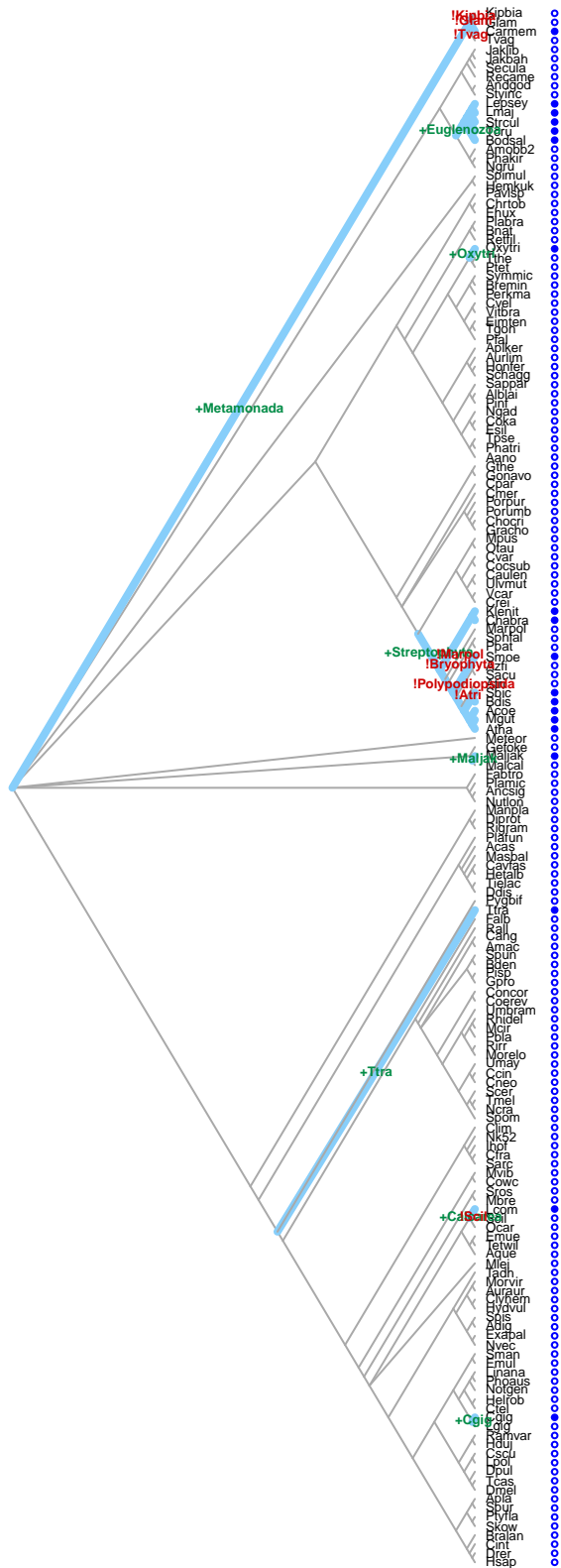


2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14

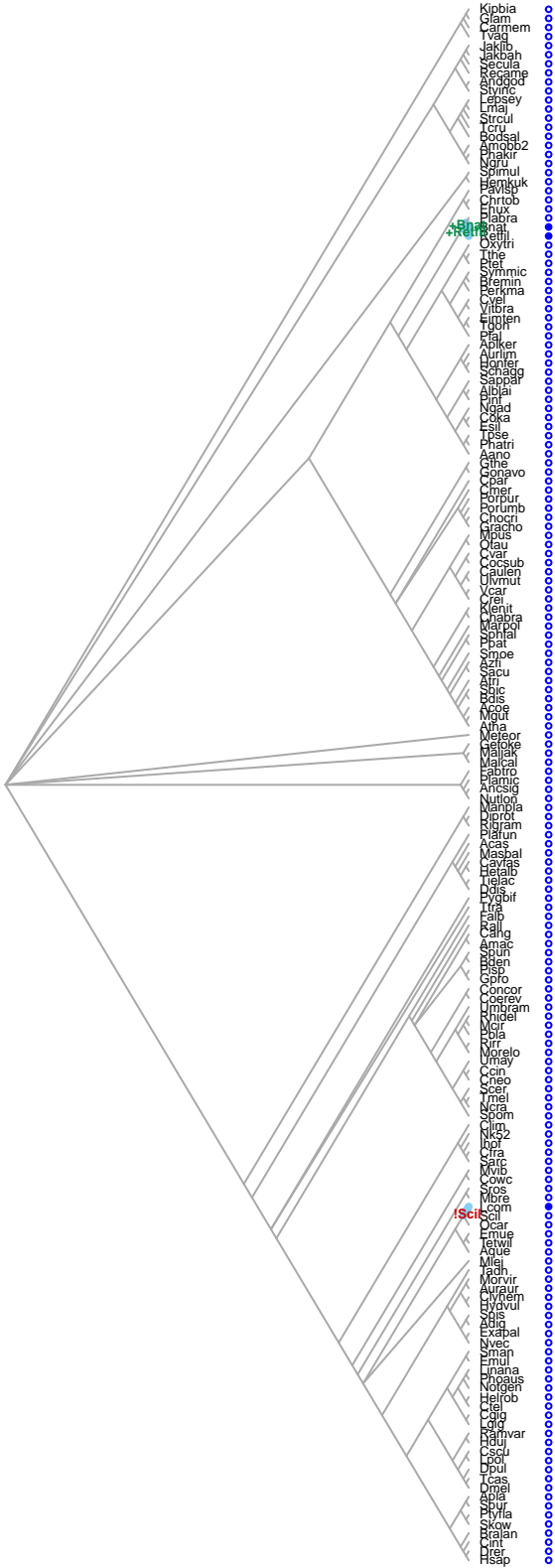




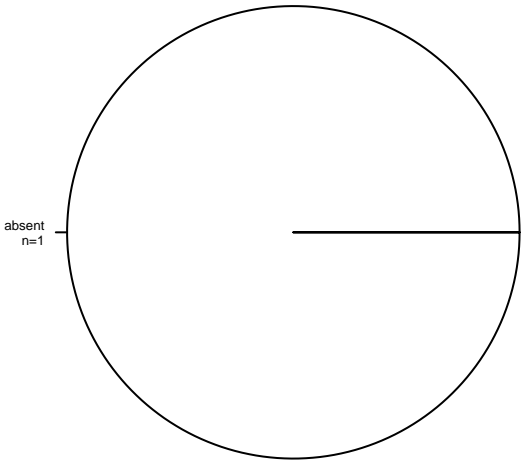
Gain: Andalusia,NA
Presence Eukaryota prob = 0.01
Present: 2
Losses: NA



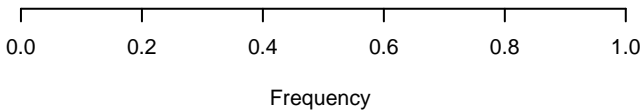
Gain: Cgig, Calcarea, Ttra, Maljak, Streptophyta, Oxytri, Euglenozoa, Metamonada,
Presence Eukaryota prob = 0.09
Present: 19
Losses: NA

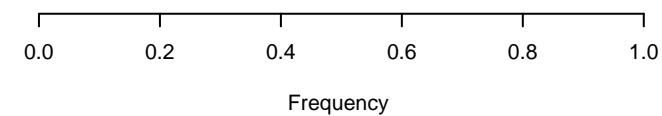
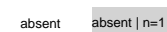
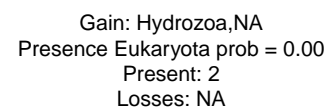


Gain: Retfil,Bnat,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

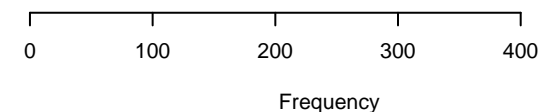
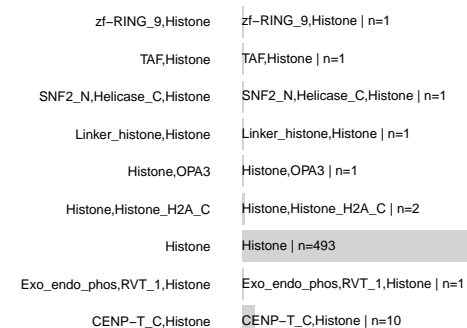
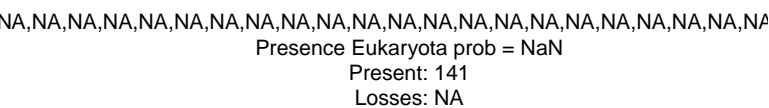


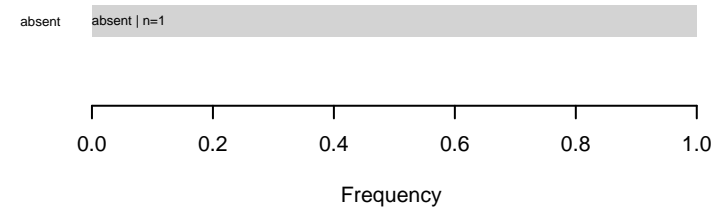
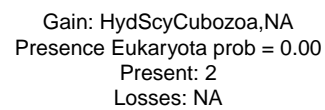
absent absent | n=1

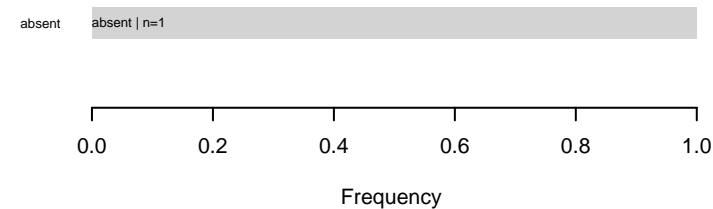
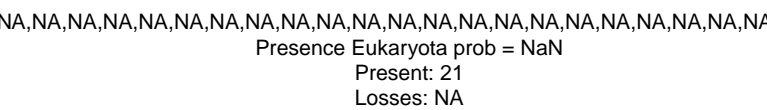


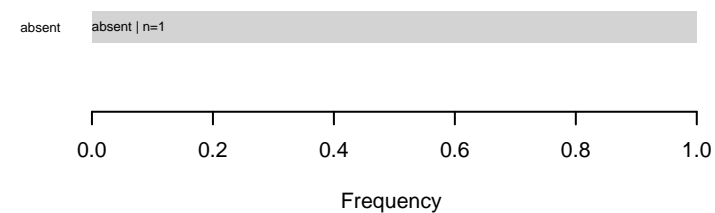
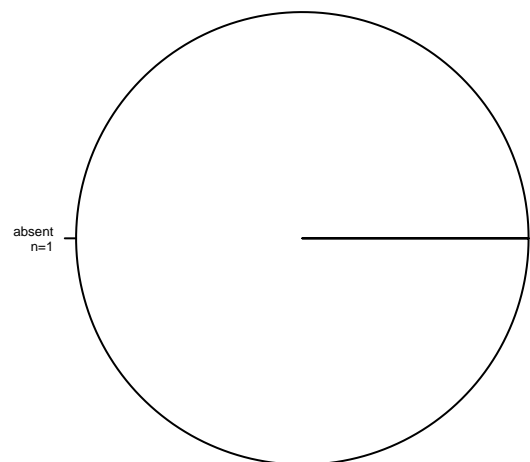
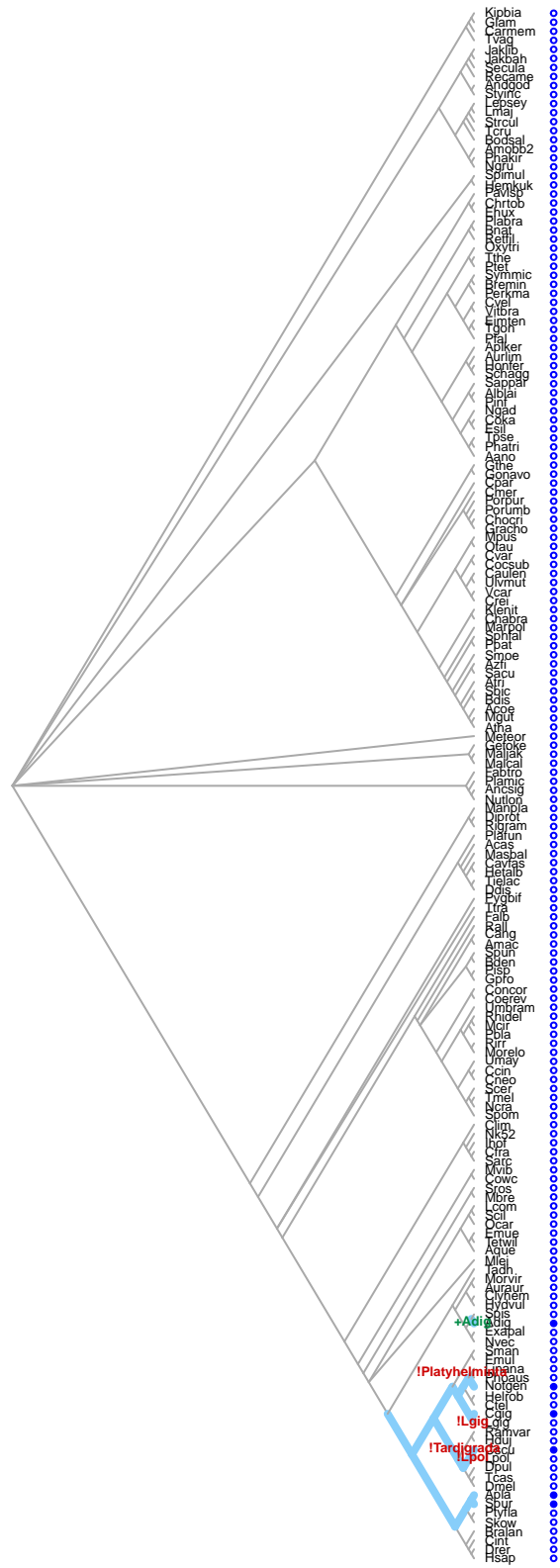


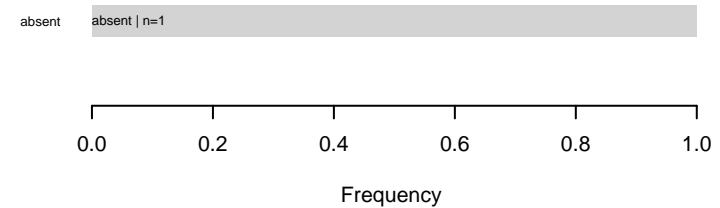
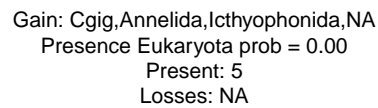
Histone.HG3.5



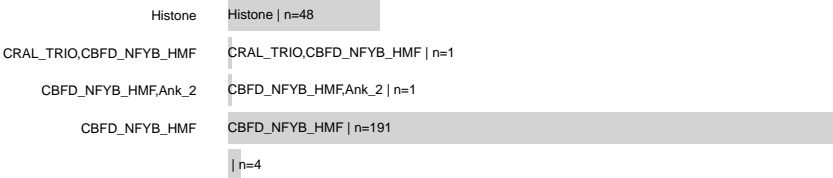
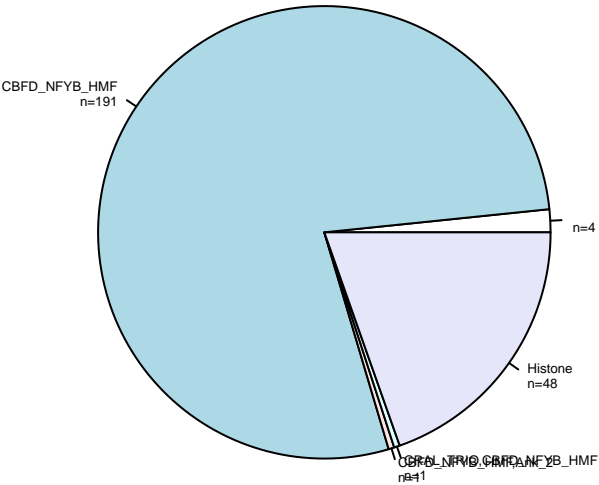
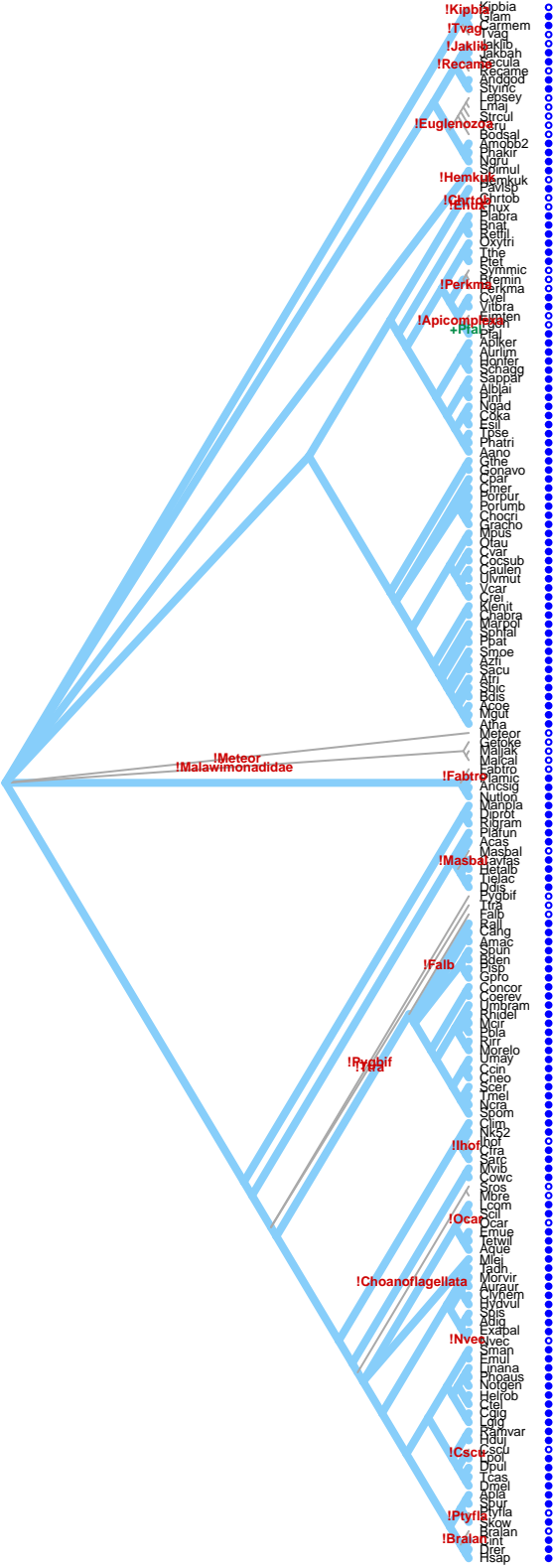








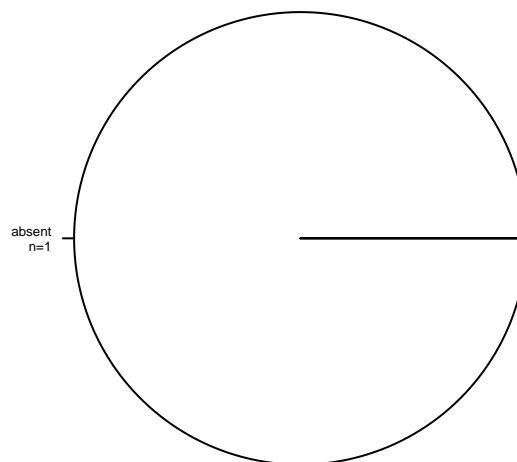
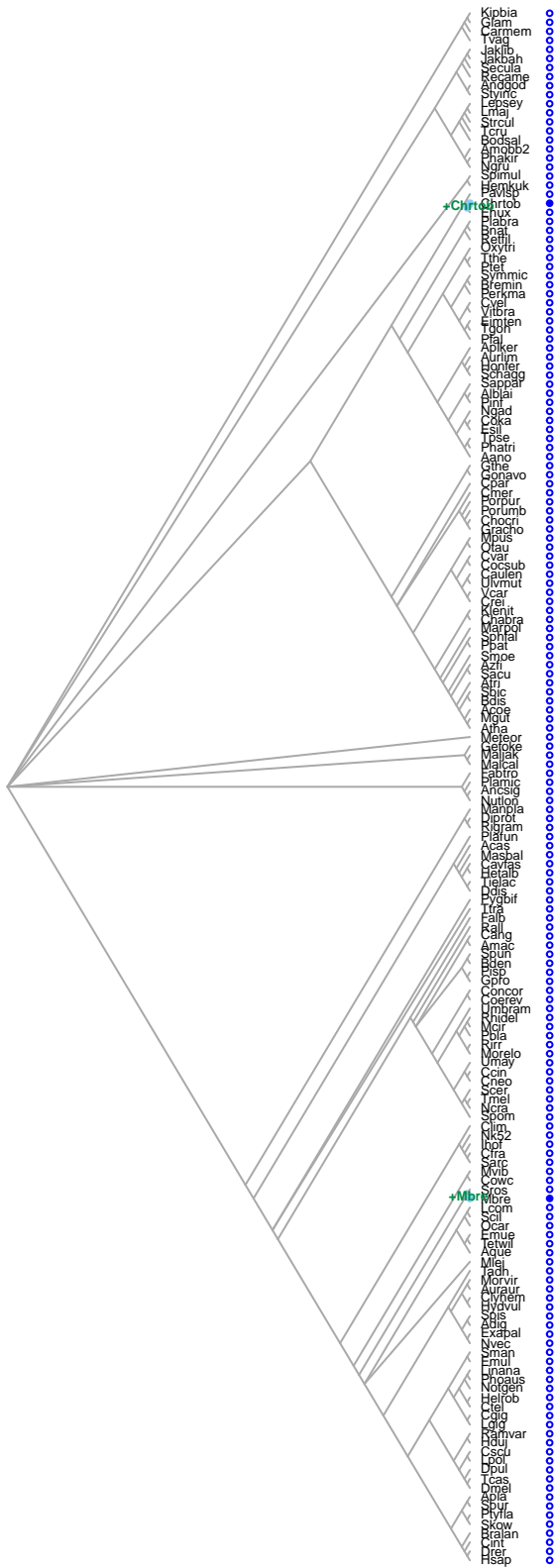
Histone.HG4.0
NFYC



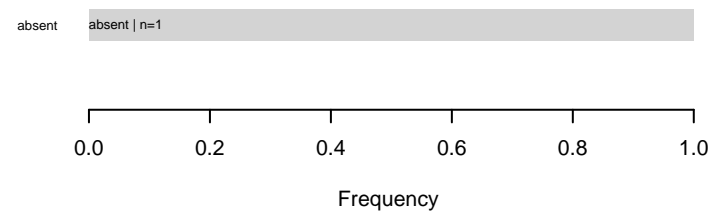
Gain: Pfal,NA
Presence Eukaryota prob = 1.00
Present: 138
Losses: NA

0 50 100 150
Frequency

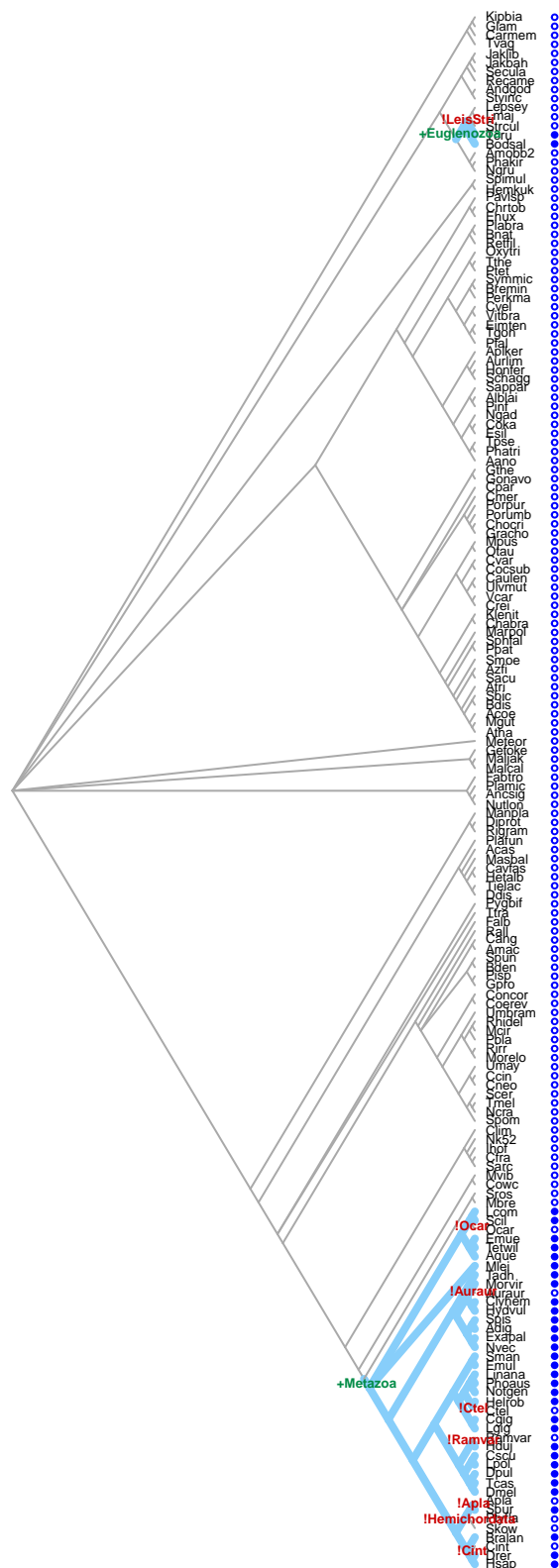
Histone.HG4.1
like:CHRAC1/POLE4



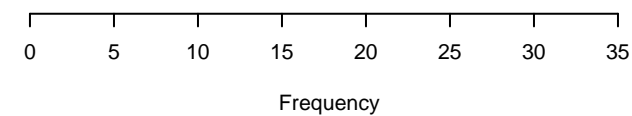
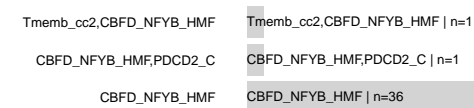
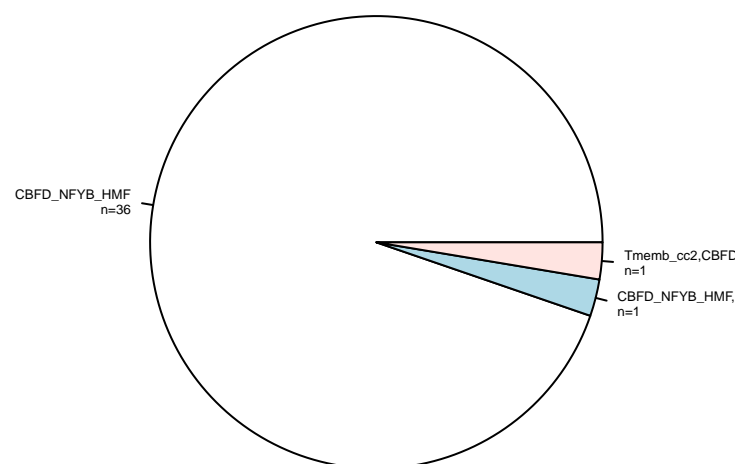
Gain: Mbre,Chrtob,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



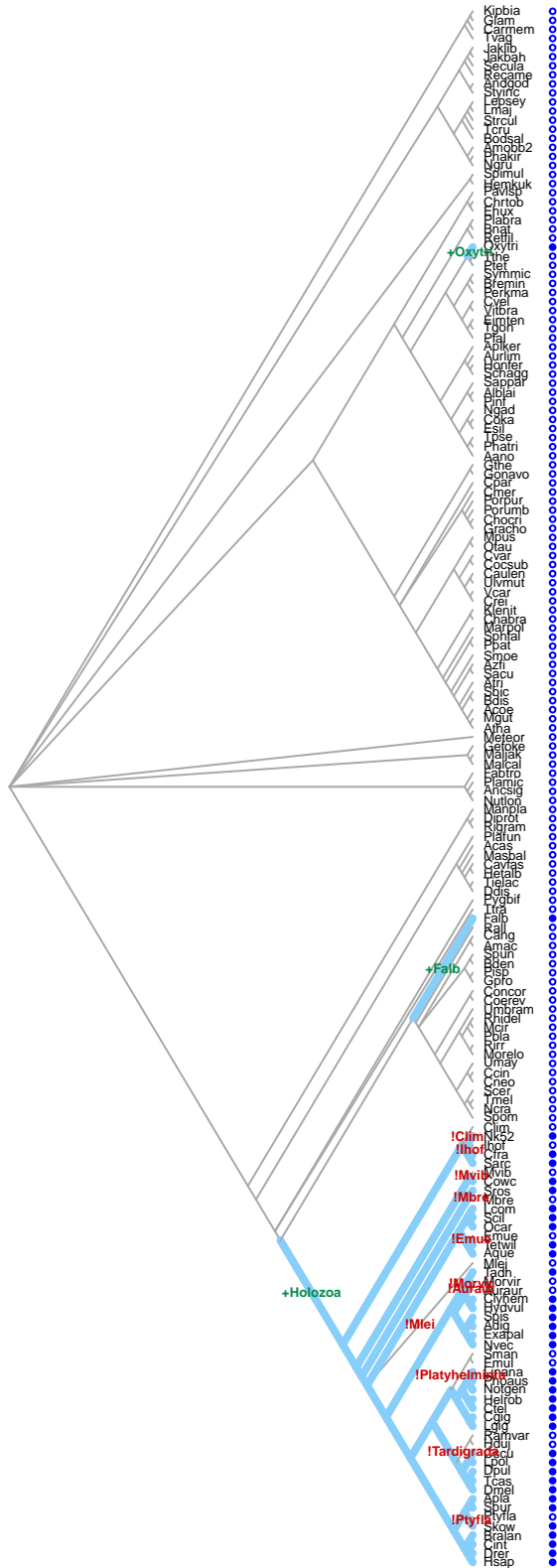
Histone.HG4.2
CHRAC1



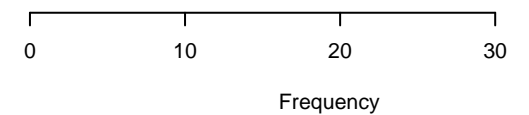
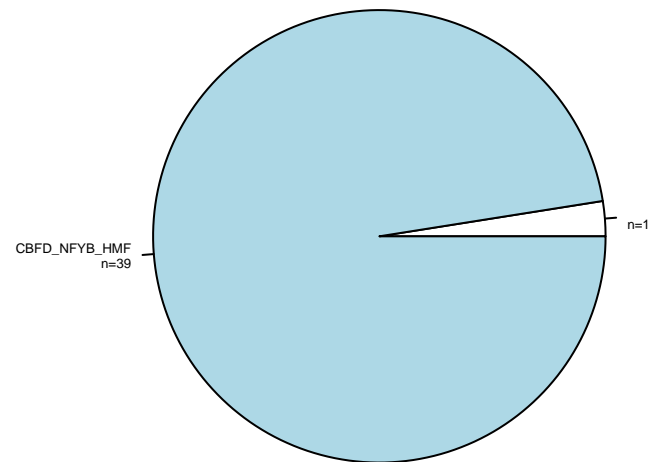
Gain: Metazoa,Euglenozoa,NA
Presence Eukaryota prob = 0.01
Present: 34
Losses: NA



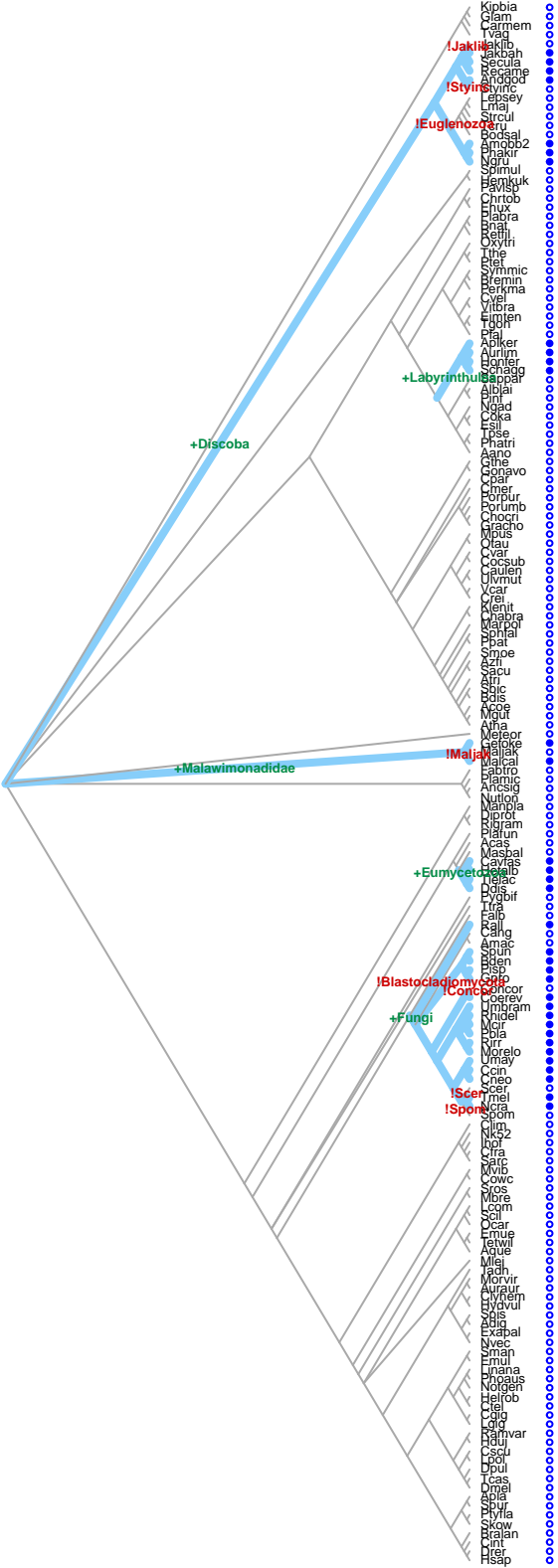
Histone.HG4.3
POLE4



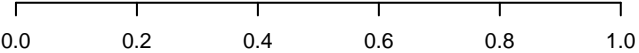
Gain: Holozoa,Falb,Oxytri,NA
Presence Eukaryota prob = 0.00
Present: 38
Losses: NA



Histone.HG4.4
like:CHRA1/POLE4



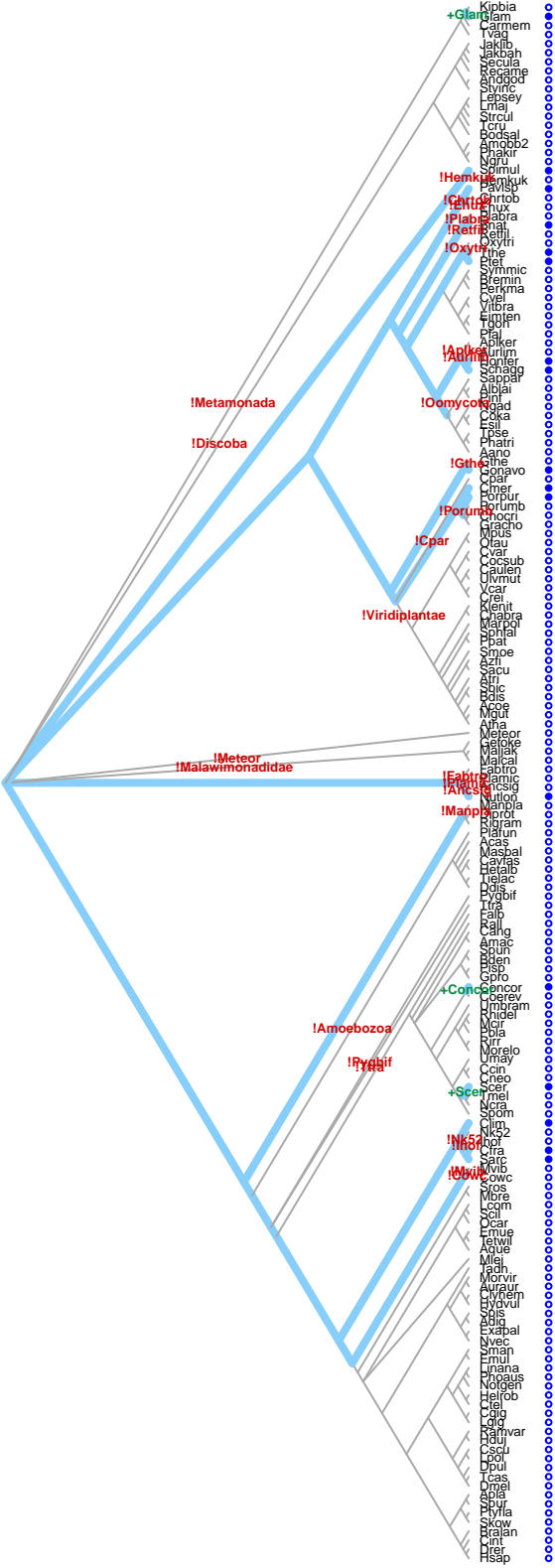
absent absent | n=1



Frequency

Gain: Fungi,Eumycetozoa,Malawimonadidae,Labyrinthulea,Discoba,NA
Presence Eukaryota prob = 0.17
Present: 34
Losses: NA

Histone.HG4.5
like:CHAC1/POLE4



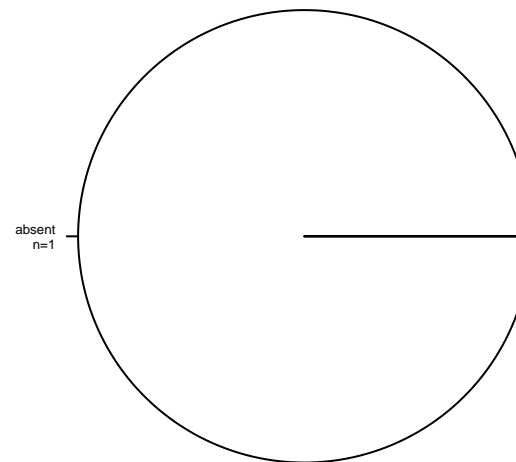
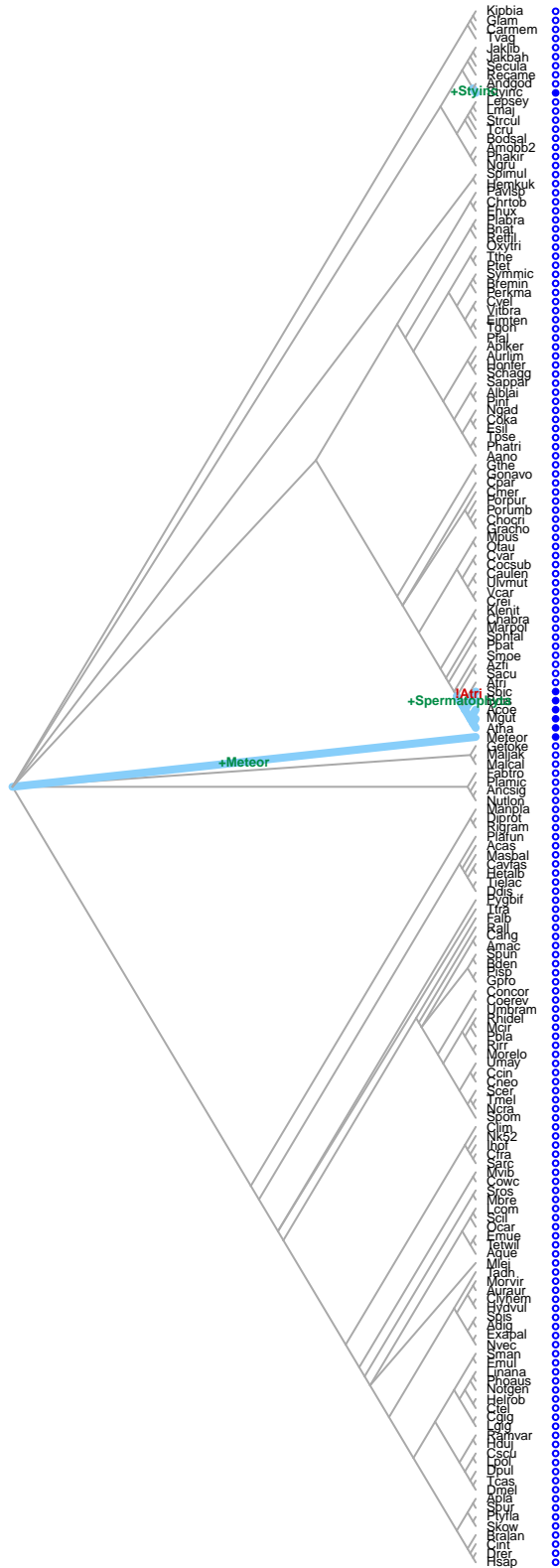
absent absent | n=1

0.0 0.2 0.4 0.6 0.8 1.0

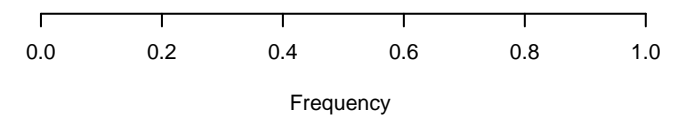
Frequency

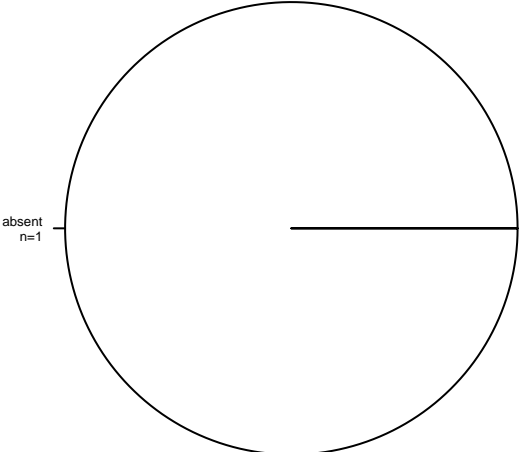
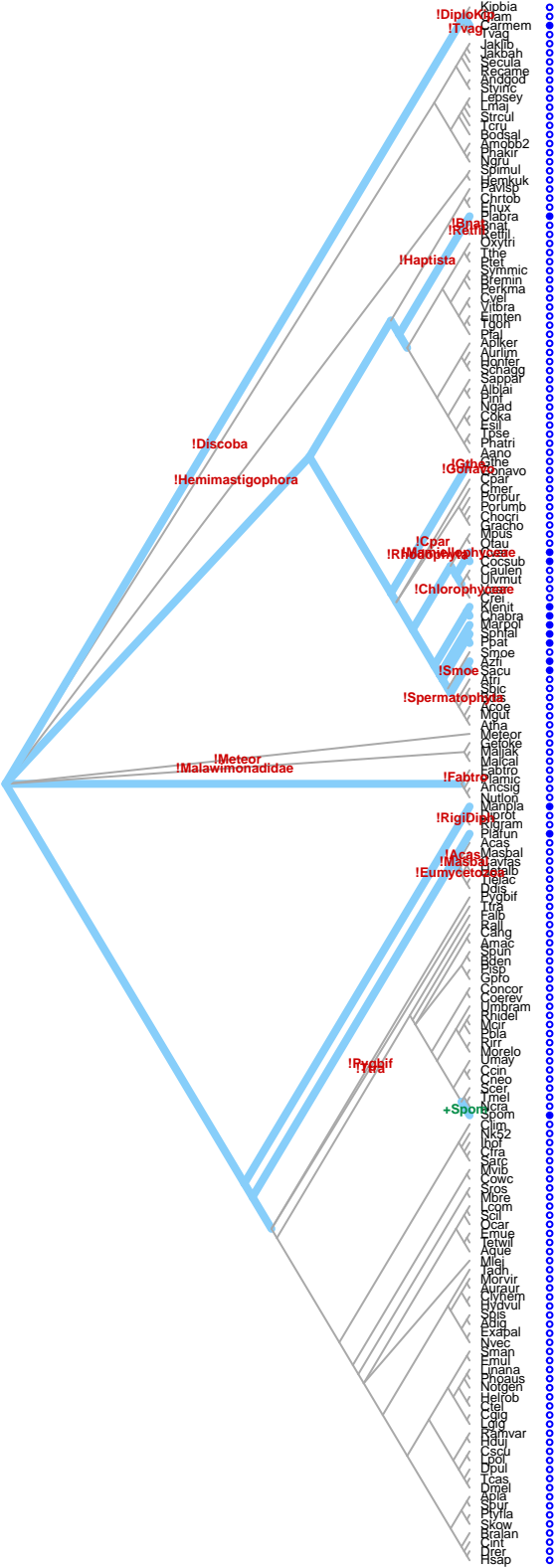
Gain: Scer,Concor,Glam,NA
Presence Eukaryota prob = 0.97
Present: 17
Losses: NA

**Histone.HG4.6
like:CHRAC1/POLE4**

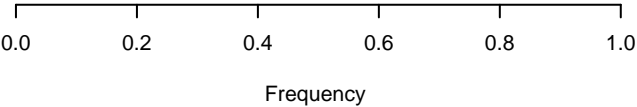


absent absent | n=1



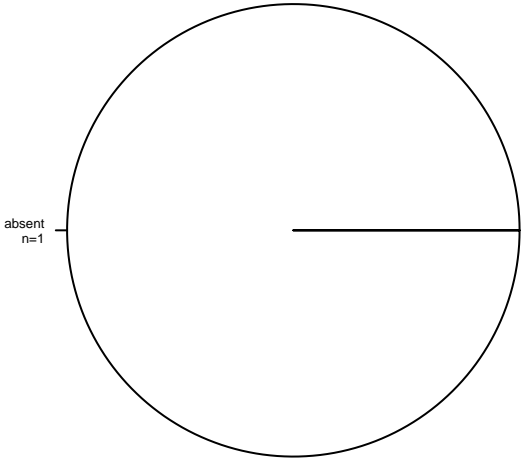
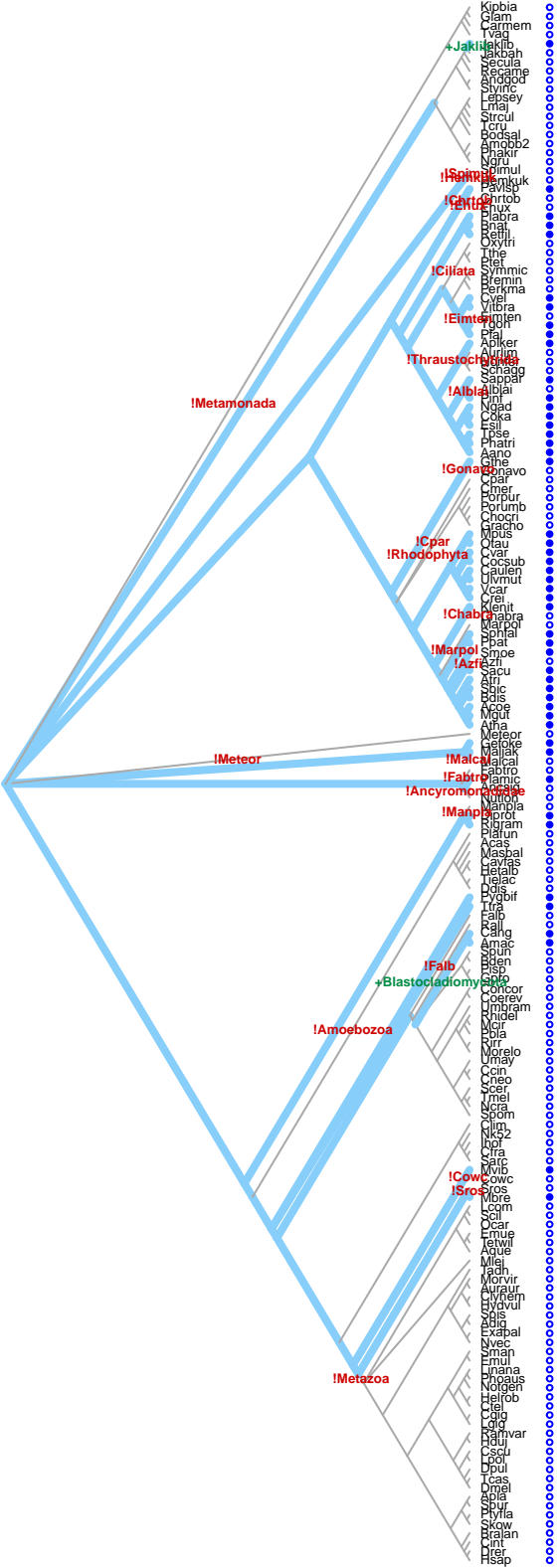


absent absent | n=1



Gain: Spom,NA
Presence Eukaryota prob = 0.90
Present: 14
Losses: NA

Histone.HG4.8
like:CHRA1/POLE4



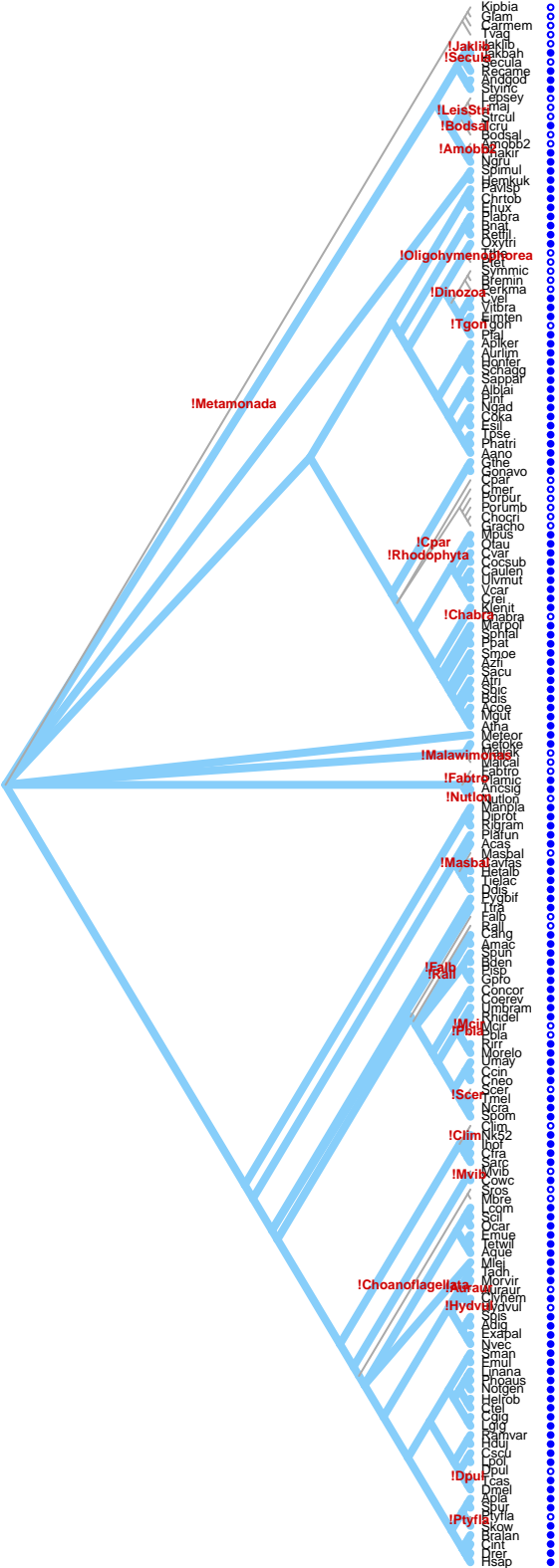
absent absent | n=1

0.0 0.2 0.4 0.6 0.8 1.0

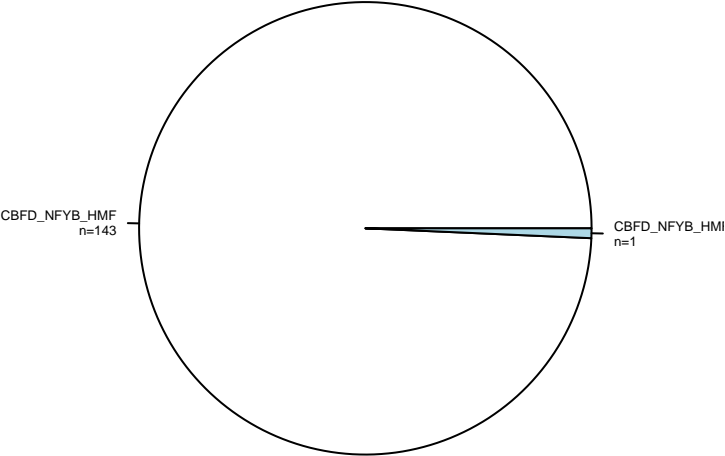
Frequency

Gain: Blastocladiomycota,Jaklib,NA
Presence Eukaryota prob = 1.00
Present: 49
Losses: NA

Histone.HG5.0
POLE3



Gain: NA
Presence Eukaryota prob = 1.00
Present: 130
Losses: NA



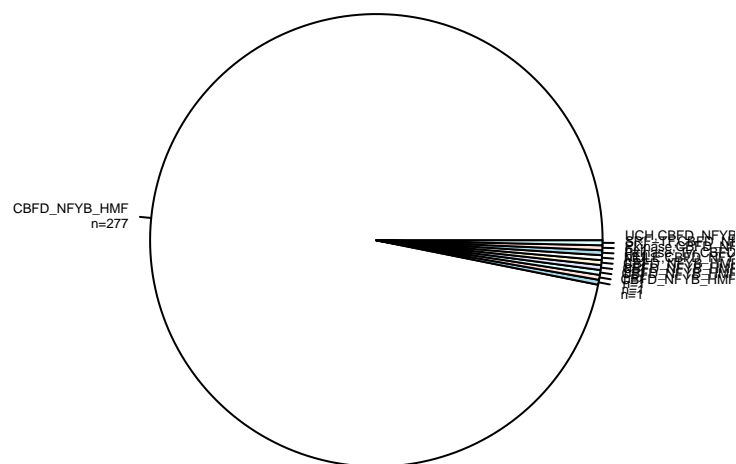
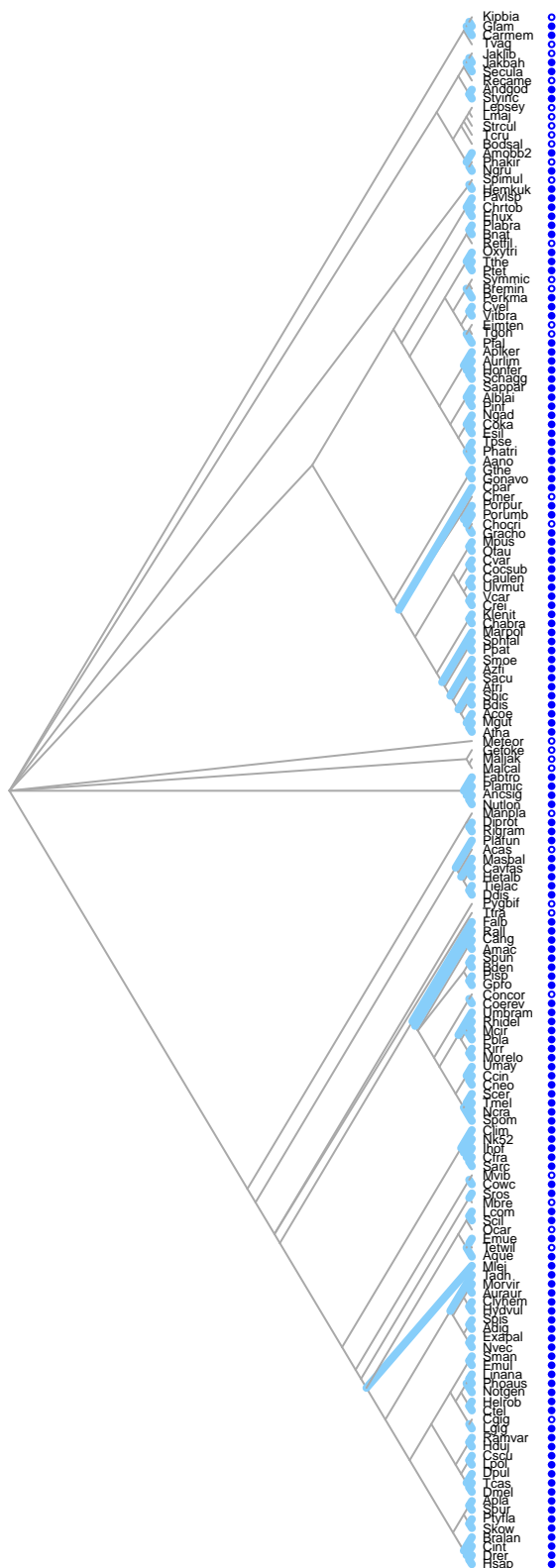
CBFD_NFYB_HMF,Iso_dh
CBFD_NFYB_HMF,Iso_dh | n=1

CBFD_NFYB_HMF
CBFD_NFYB_HMF | n=143

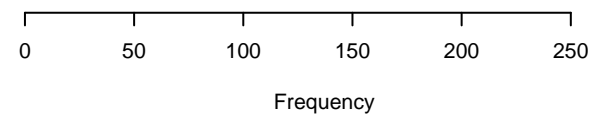
0 20 40 60 80 100 120 140

Frequency

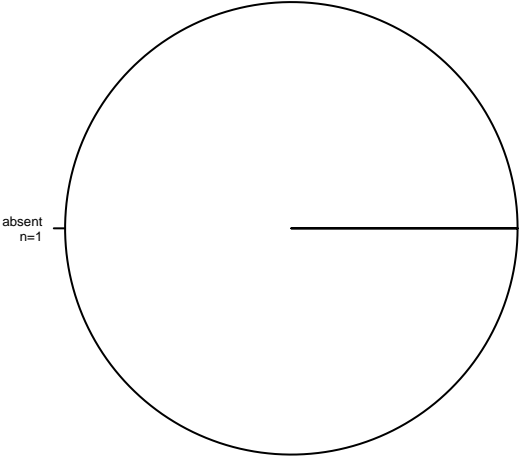
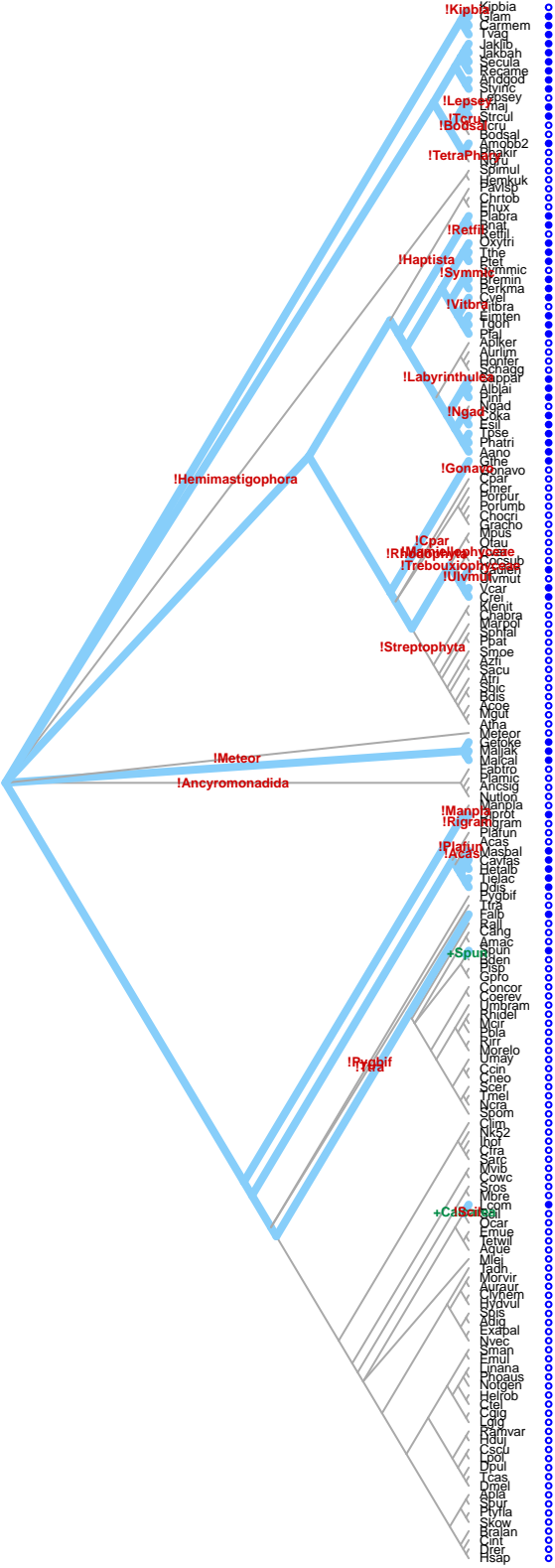
Histone.HG5.1
NFYB



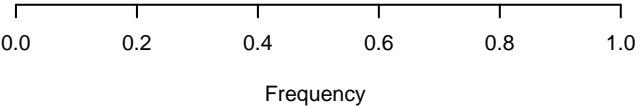
UCH,CBFD_NFYB_HMF	UCH,CBFD_NFYB_HMF n=1
SRF-TF,CBFD_NFYB_HMF	SRF-TF,CBFD_NFYB_HMF n=1
Pkinase,CBFD_NFYB_HMF	Pkinase,CBFD_NFYB_HMF n=1
Pkinase_Tyr,CBFD_NFYB_HMF	Pkinase_Tyr,CBFD_NFYB_HMF n=1
MULE,CBFD_NFYB_HMF	MULE,CBFD_NFYB_HMF n=1
CBFD_NFYB_HMF,zf-CXXC	CBFD_NFYB_HMF,zf-CXXC n=1
CBFD_NFYB_HMF,Sulfate_transp,cNMP_binding	CBFD_NFYB_HMF,Sulfate_transp,cNMP_binding n=1
CBFD_NFYB_HMF,MRP-S33	CBFD_NFYB_HMF,MRP-S33 n=1
CBFD_NFYB_HMF,F-box-like	CBFD_NFYB_HMF,F-box-like n=1
CBFD_NFYB_HMF	CBFD_NFYB_HMF n=277



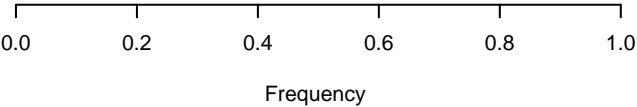
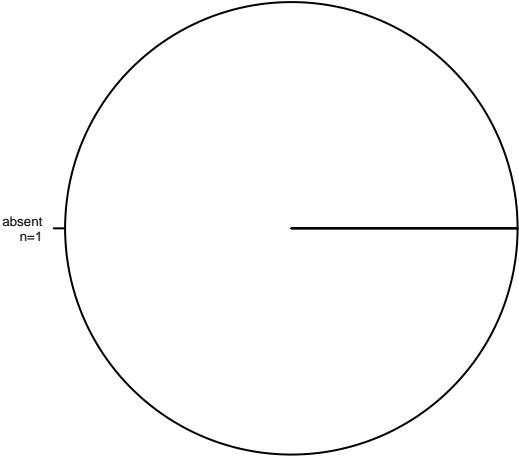
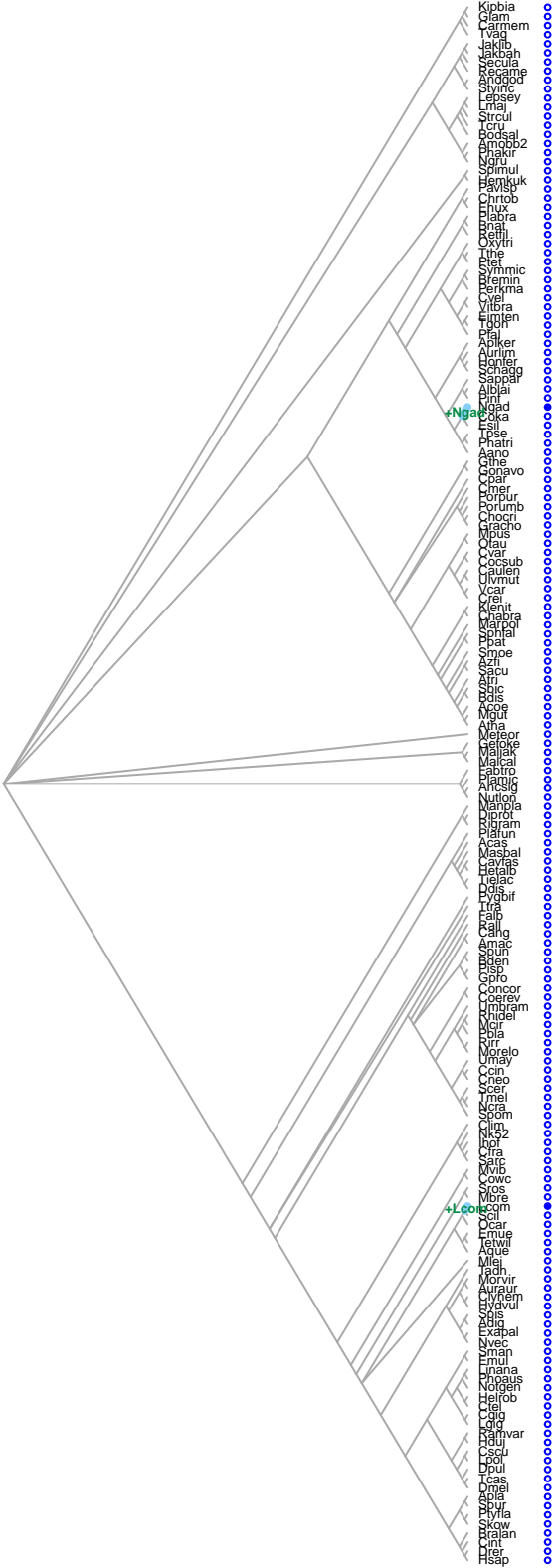
NA, NA
Presence Eukaryota prob = NaN
Present: 140
Losses: NA



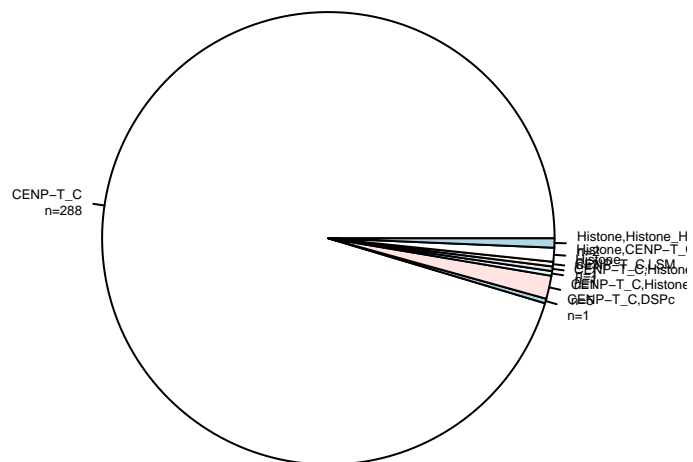
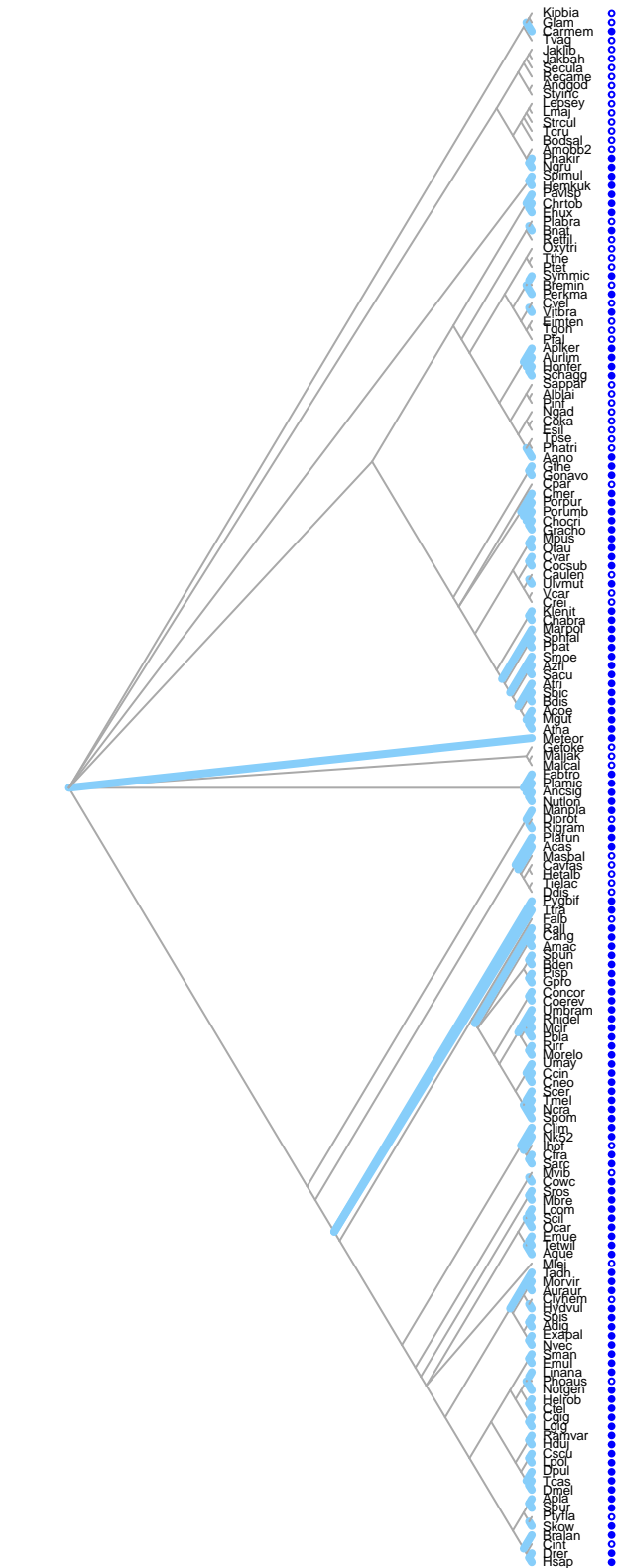
absent absent | n=1



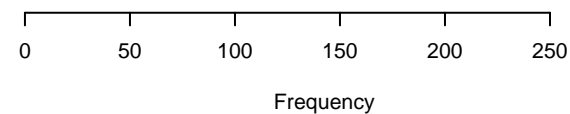
Gain: Calcarea,Spun,NA
Presence Eukaryota prob = 1.00
Present: 47
Losses: NA



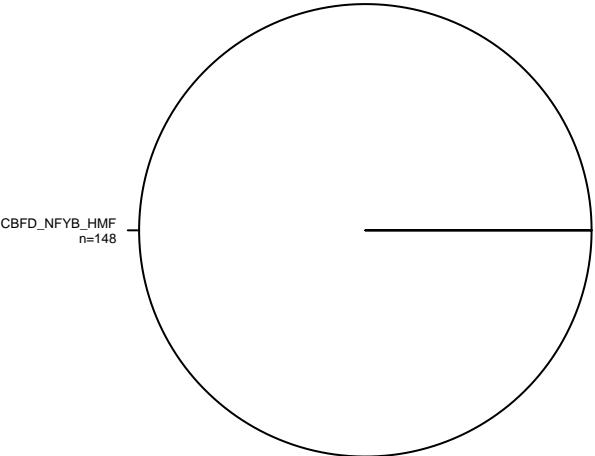
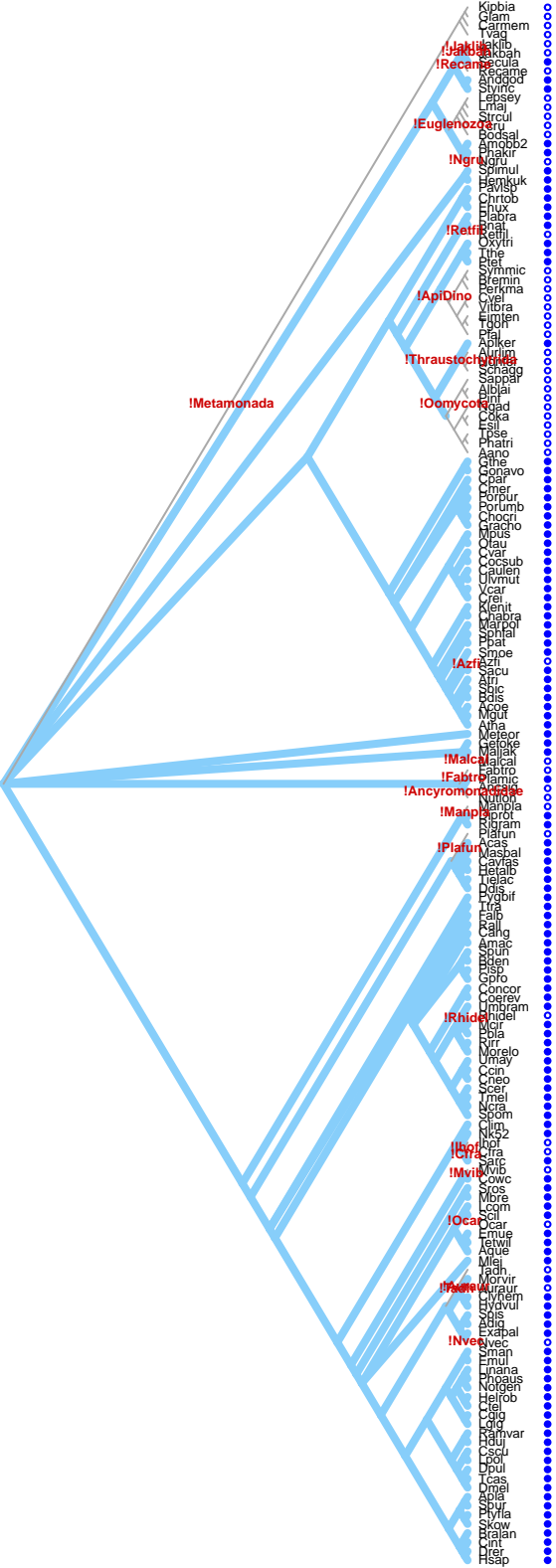
Gain: Lcom,Ngad,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



Histone,Histone_H2A_C,CENP-T_C	Histone,Histone_H2A_C,CENP-T_C n=2
Histone,CENP-T_C	Histone,CENP-T_C n=3
Histone	Histone n=1
CENP-T_C,LSM	CENP-T_C,LSM n=1
CENP-T_C,Histone,Histone_H2A_C	CENP-T_C,Histone,Histone_H2A_C n=1
CENP-T_C,Histone	CENP-T_C,Histone n=5
CENP-T_C,DSPc	CENP-T_C,DSPc n=1
CENP-T_C	CENP-T_C n=288

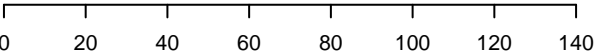


NA, NA
Presence Eukaryota prob = NaN
Present: 118
Losses: NA



CBFD_NFYB_HMF

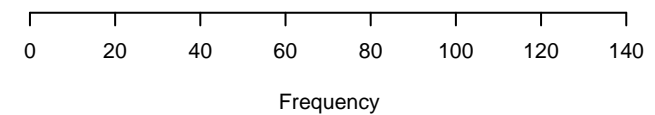
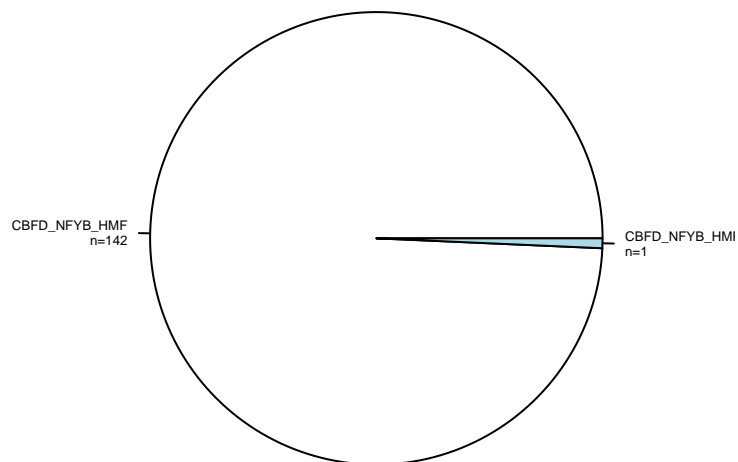
CBFD_NFYB_HMF | n=148

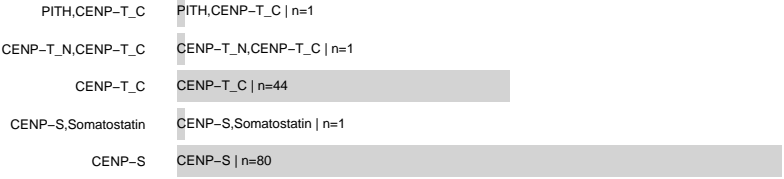
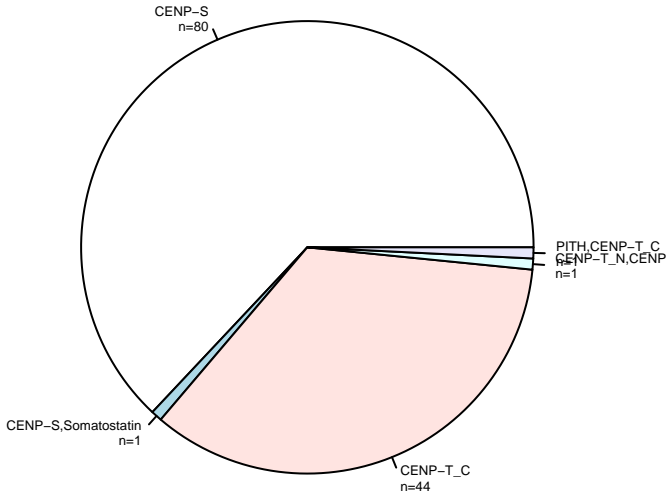
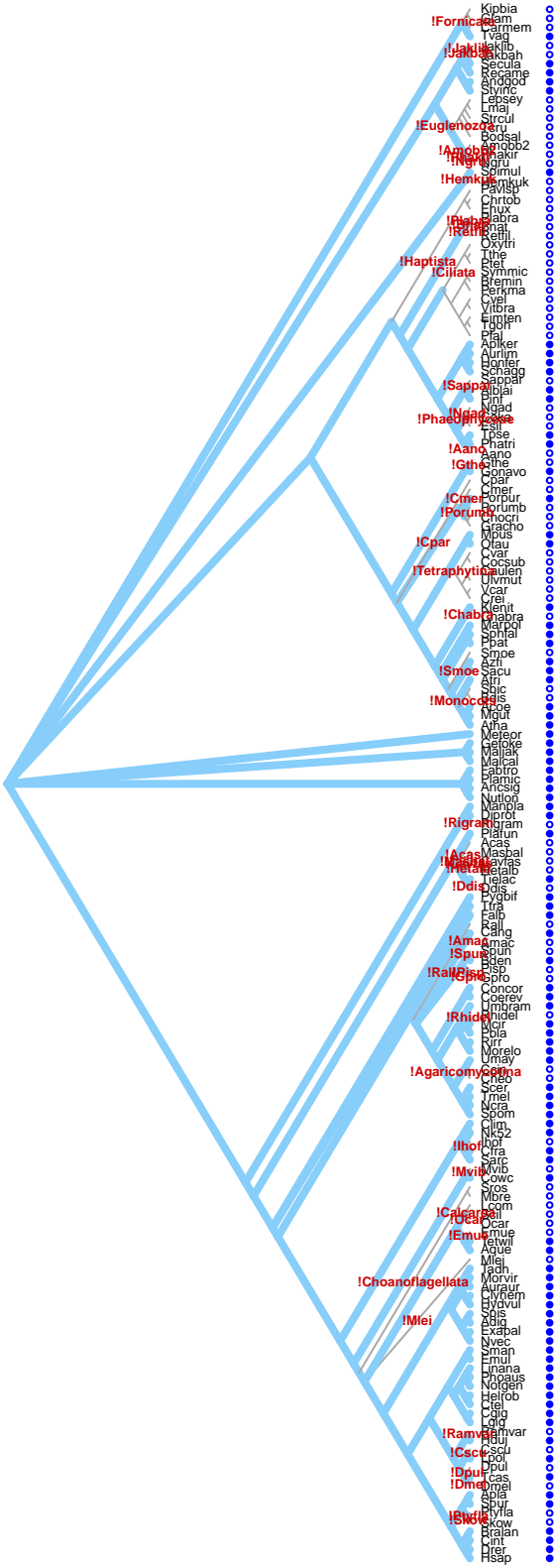


Gain: NA
Presence Eukaryota prob = 1.00
Present: 123
Losses: NA

Frequency

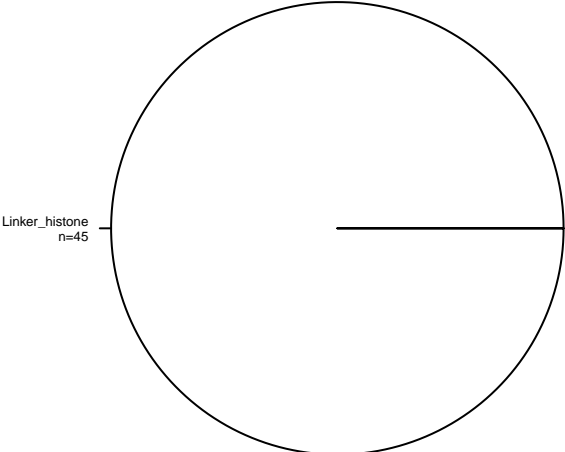
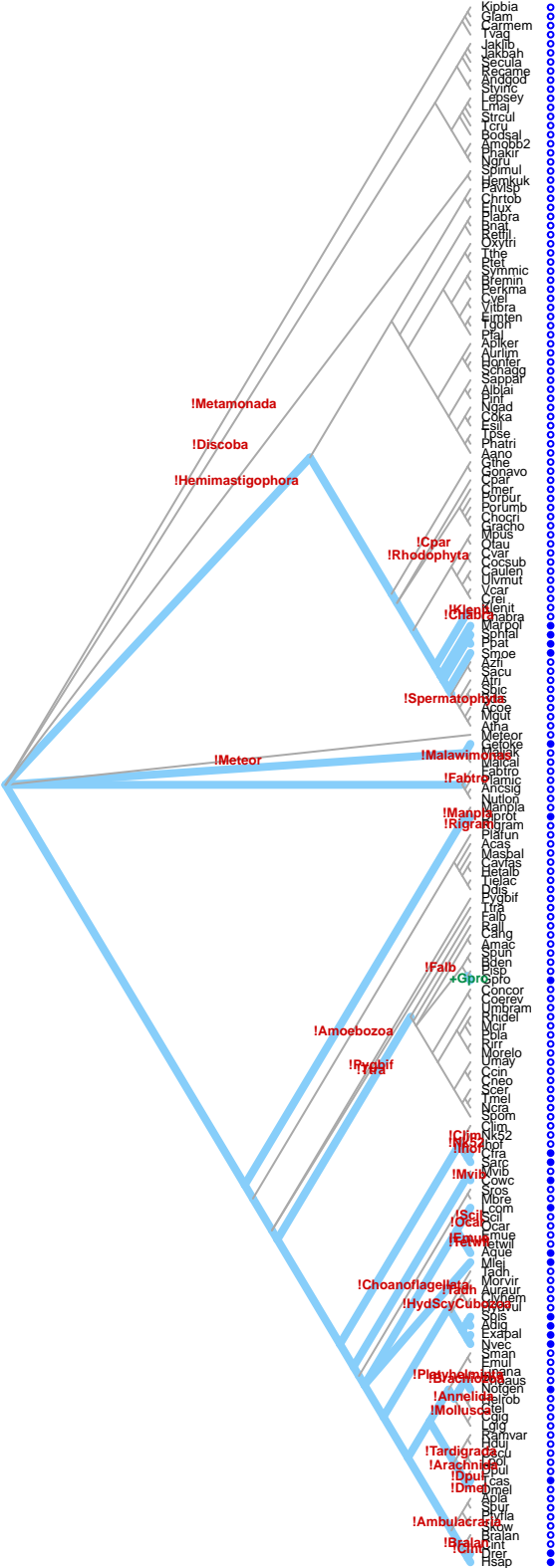
Gain: NA
Presence Eukaryota prob = 1.00
Present: 127
Losses: NA





Gain: NA
Presence Eukaryota prob = 1.00
Present: 91
Losses: NA

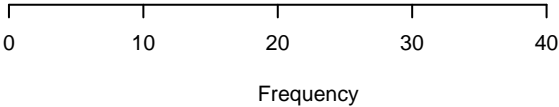
0 20 40 60 80
Frequency

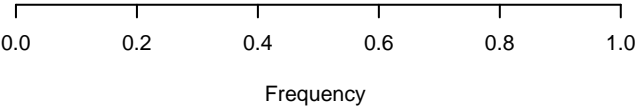
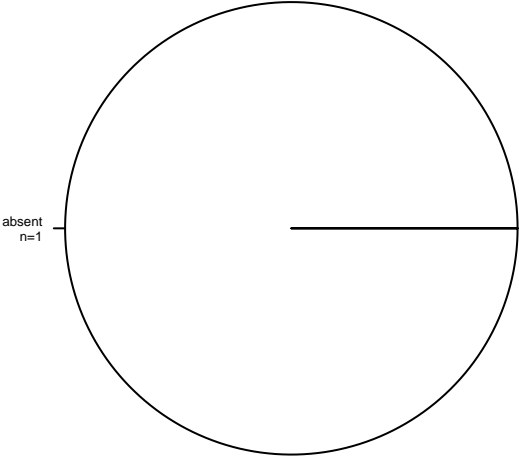
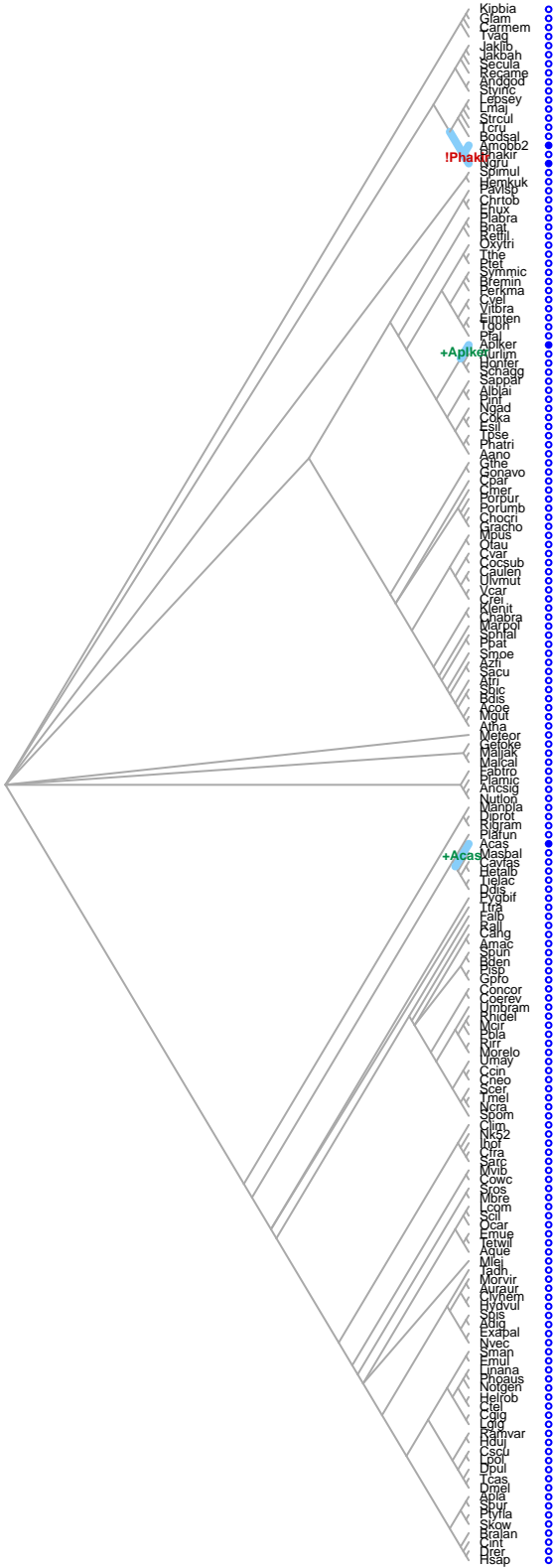


Linker_histone

Linker_histone | n=45

Gain: Gpro,NA
Presence Eukaryota prob = 0.99
Present: 21
Losses: NA



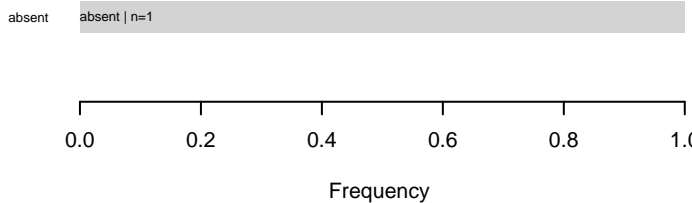
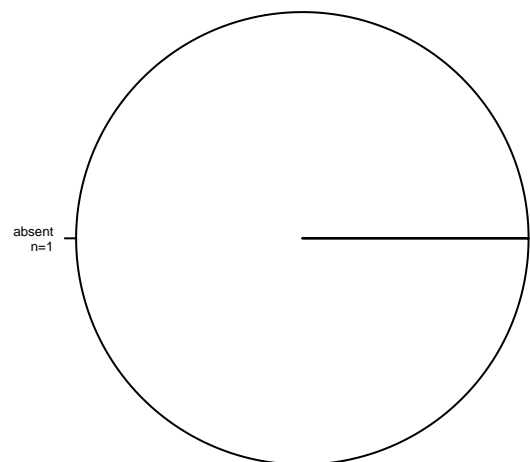
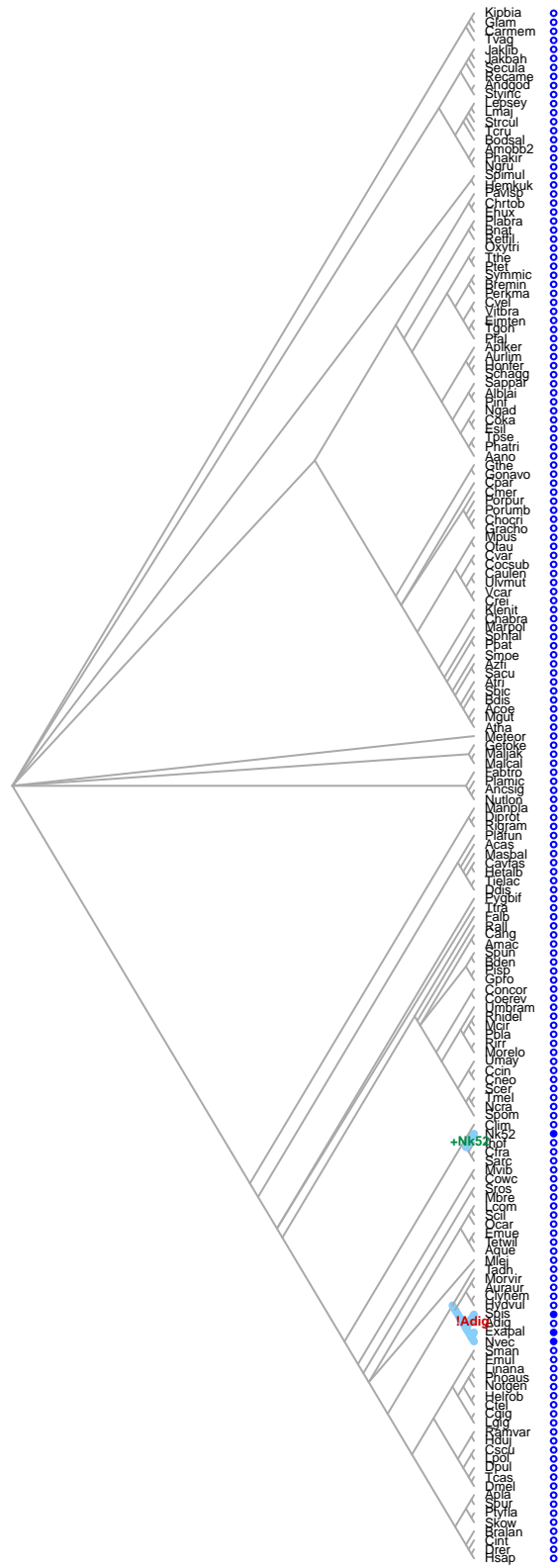


Gain: Acas,Aplker,NA
Presence Eukaryota prob = 0.18
Present: 4
Losses: NA

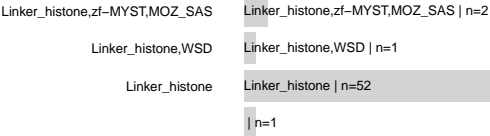
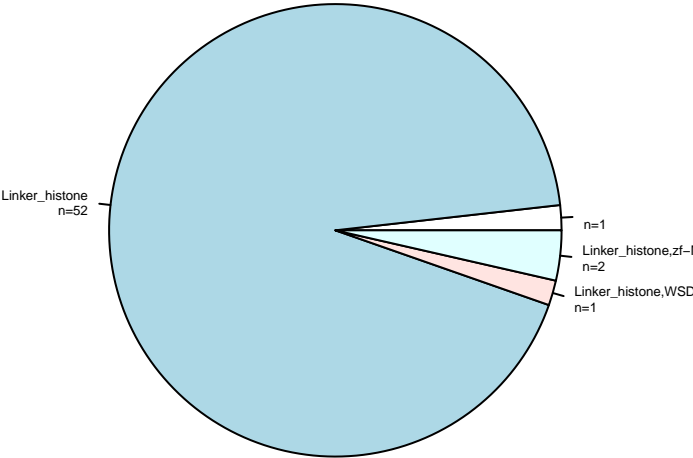
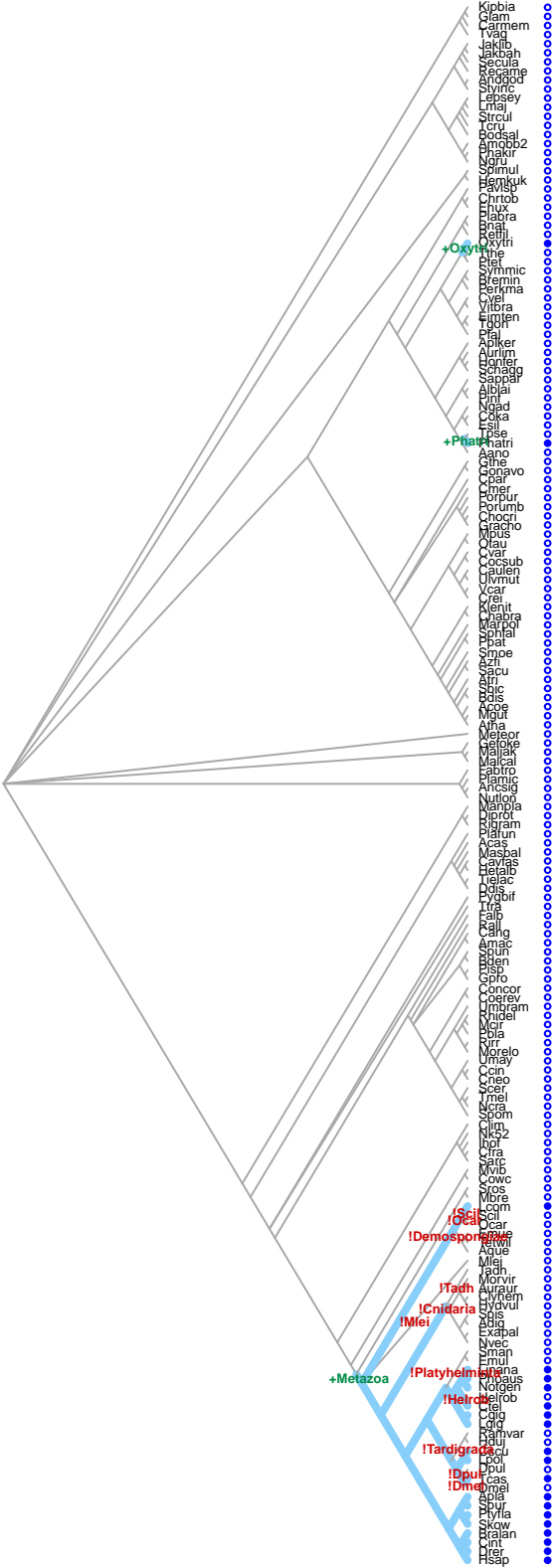


Losses: NA





Gain: Nk52,NA
Presence Eukaryota prob = 0.02
Present: 4
Losses: NA



Gain: Metazoa,Phatri,Oxytri,NA
Presence Eukaryota prob = 0.01
Present: 20
Losses: NA



Frequency

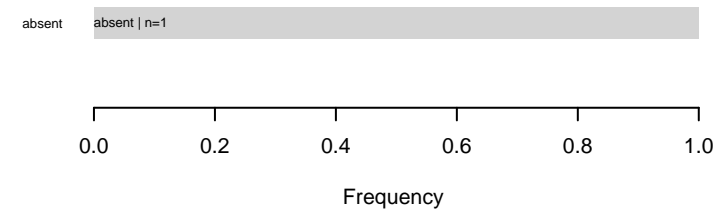
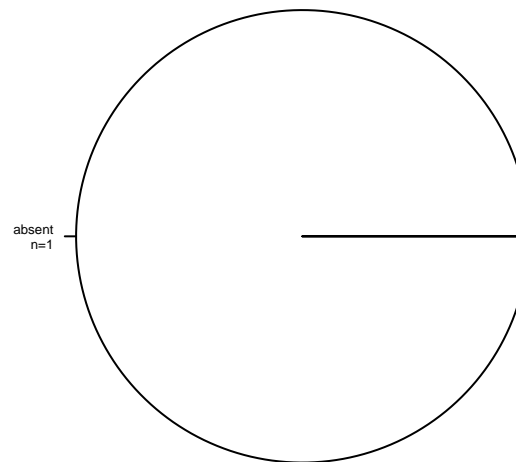
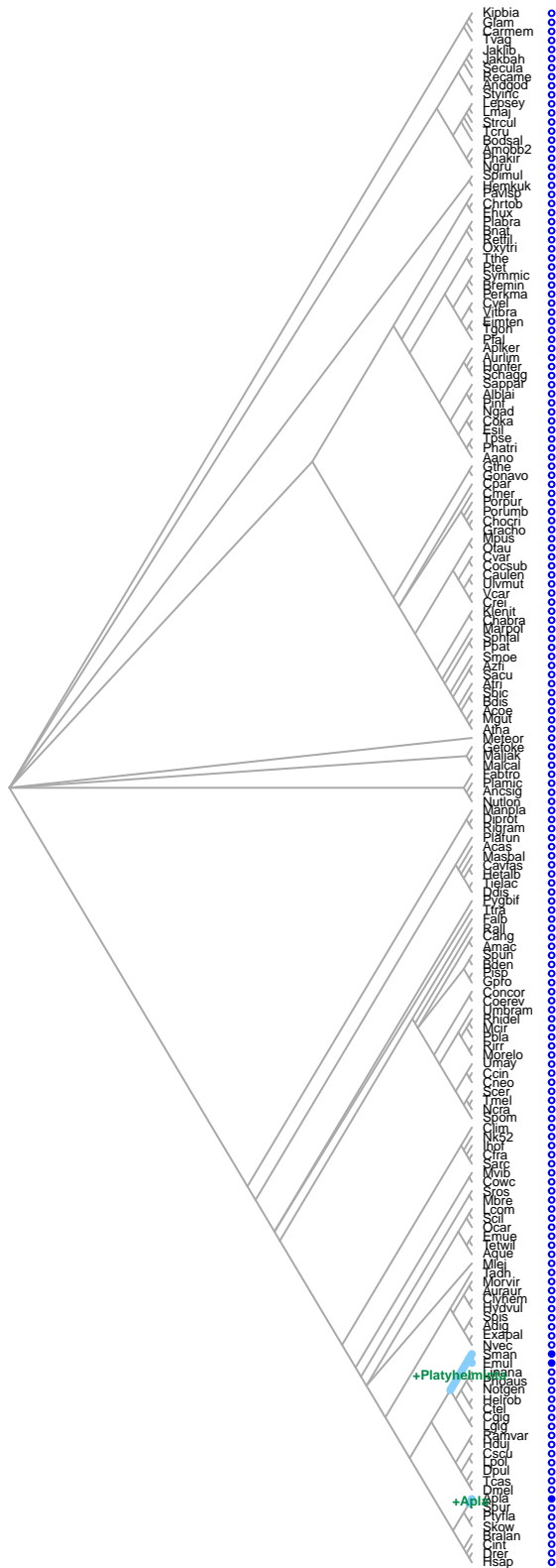
Gain: Bilateria Carmem NA

Presence Eukaryota prob = 0.00

Present: 10

Losses: NA

like:H1-1/H1-2/H1-3/H1-4/H1-5/H1-6



Gain: Apla,Platyhelmintha,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

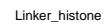


Gain: Deuterostomia,NA

Presence Eukaryota prob = 0.00

Present: 4

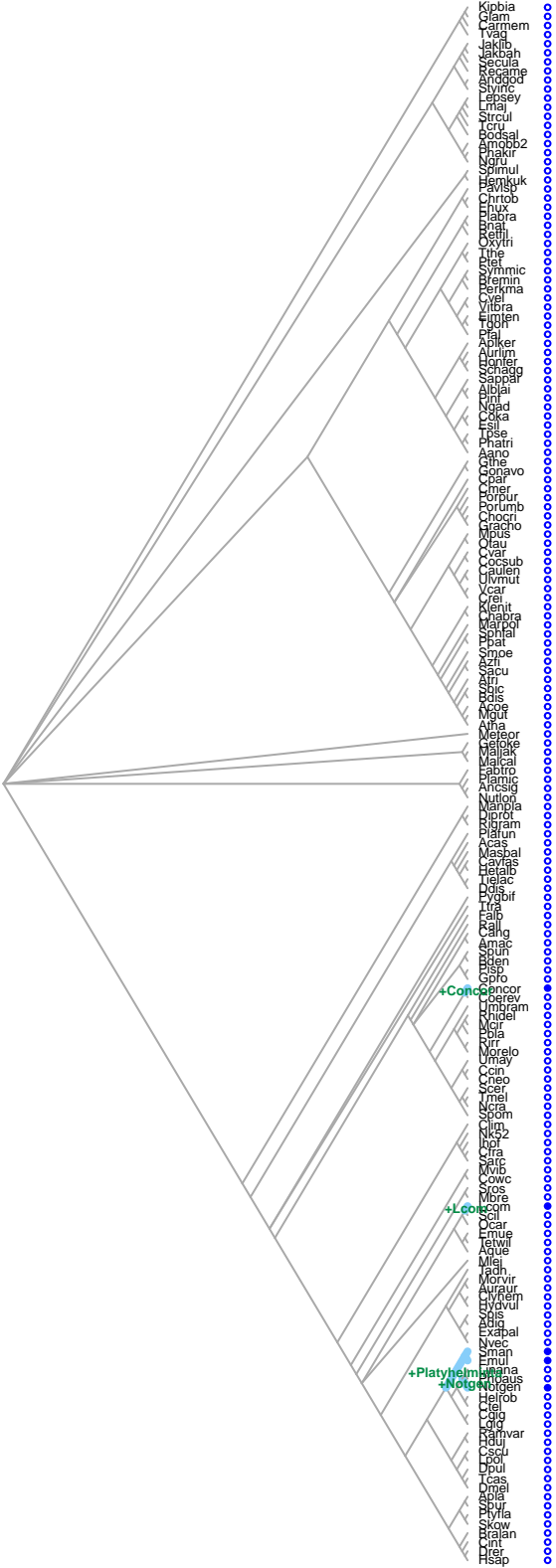
Losses: NA



Linker_histone | n=33

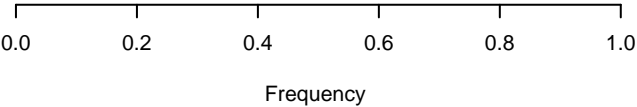
A horizontal number line with tick marks at 0, 5, 10, 15, 20, 25, and 30.

Frequency

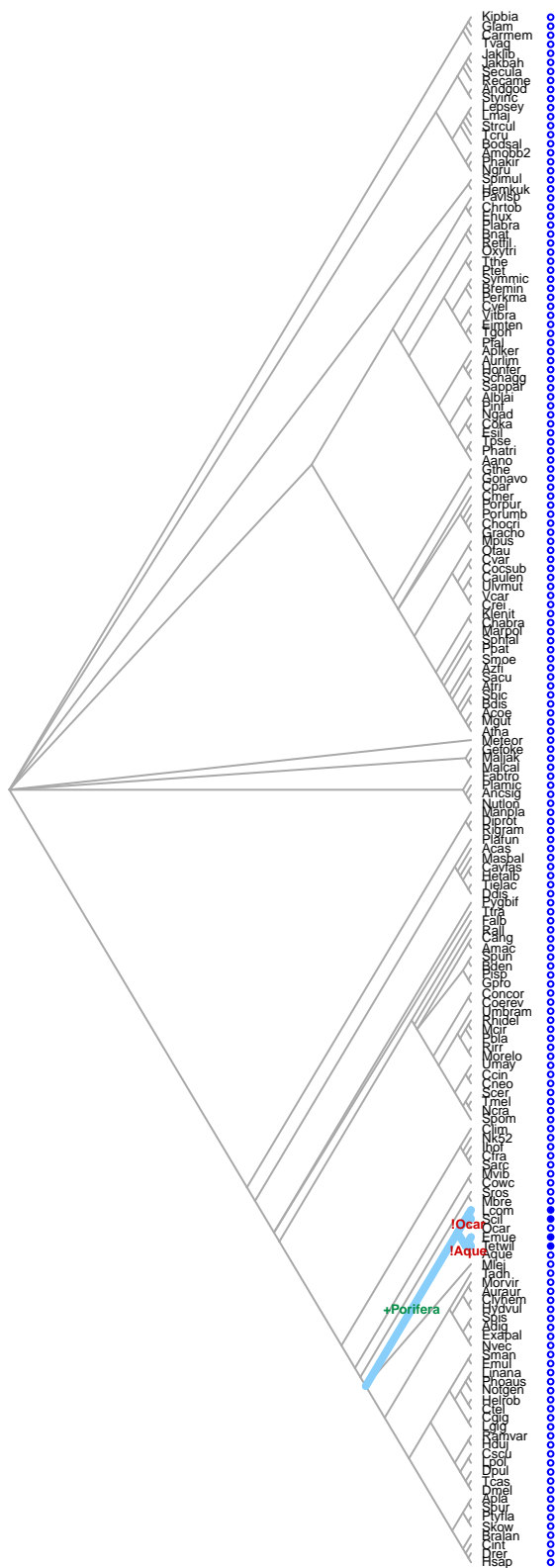


absent absent | n=1

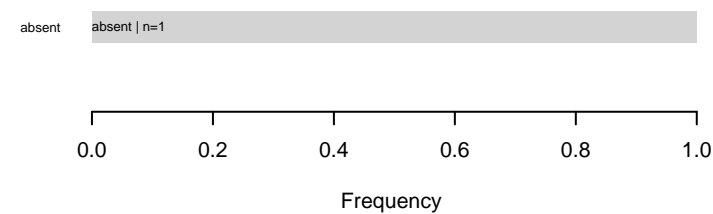
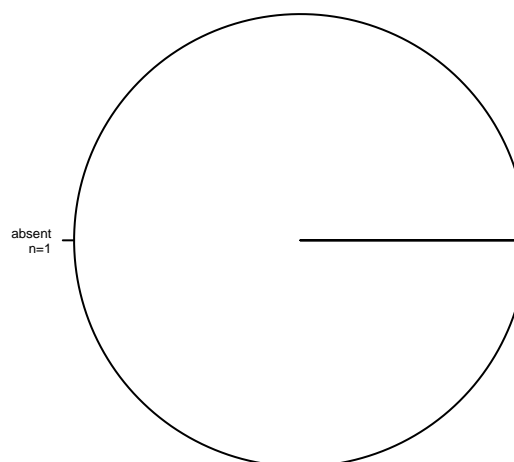
Gain: Notgen,Platyhelmin,com,Concor,NA
Presence Eukaryota prob = 0.00
Present: 5
Losses: NA

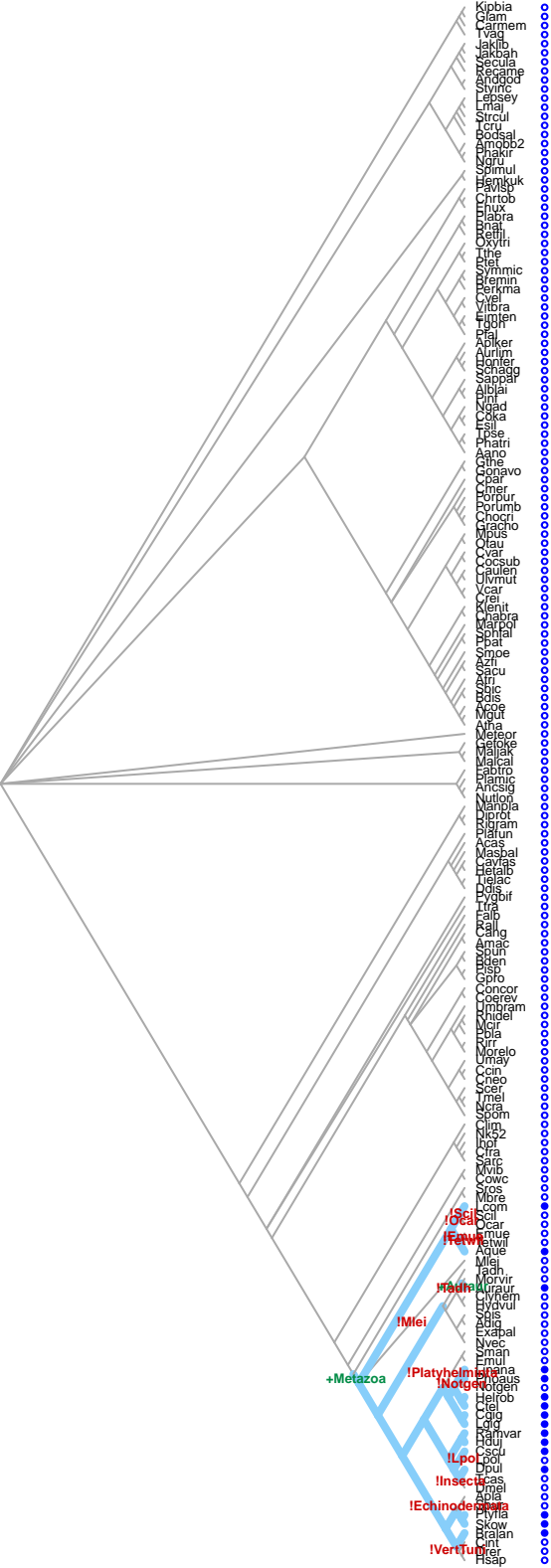


LinkerHistone.HG1.18
like:H1-0

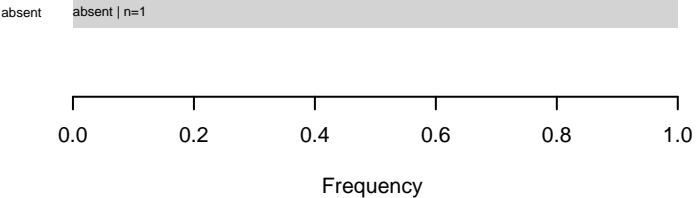
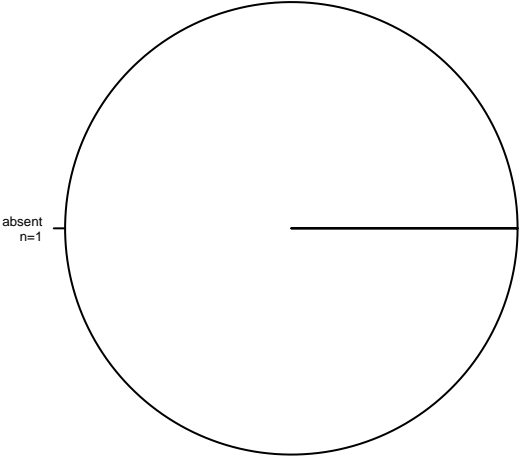


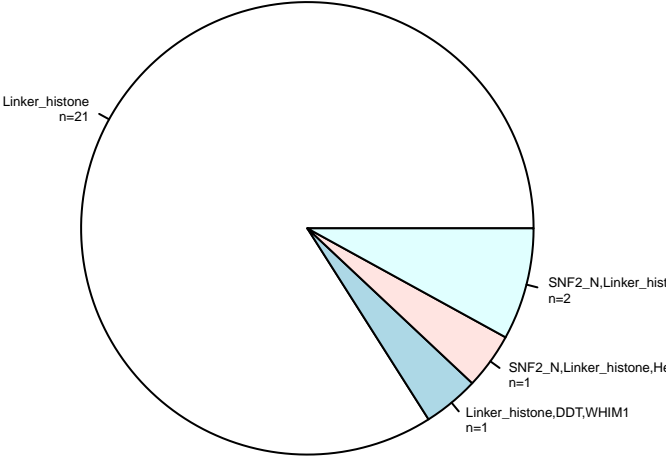
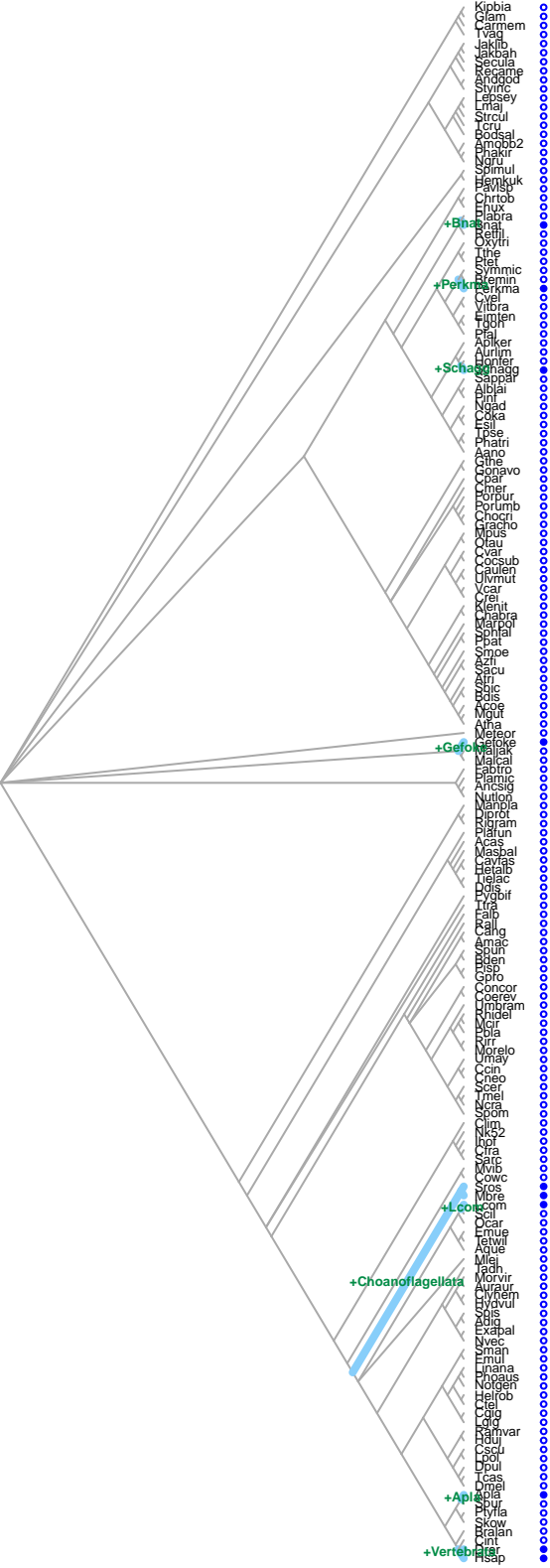
Gain: Porifera,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



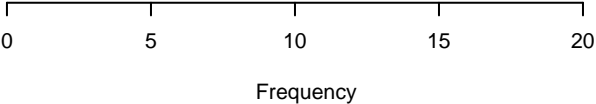


Gain: Metazoa, Auraur, NA
Presence Eukaryota prob = 0.01
Present: 16
Losses: NA

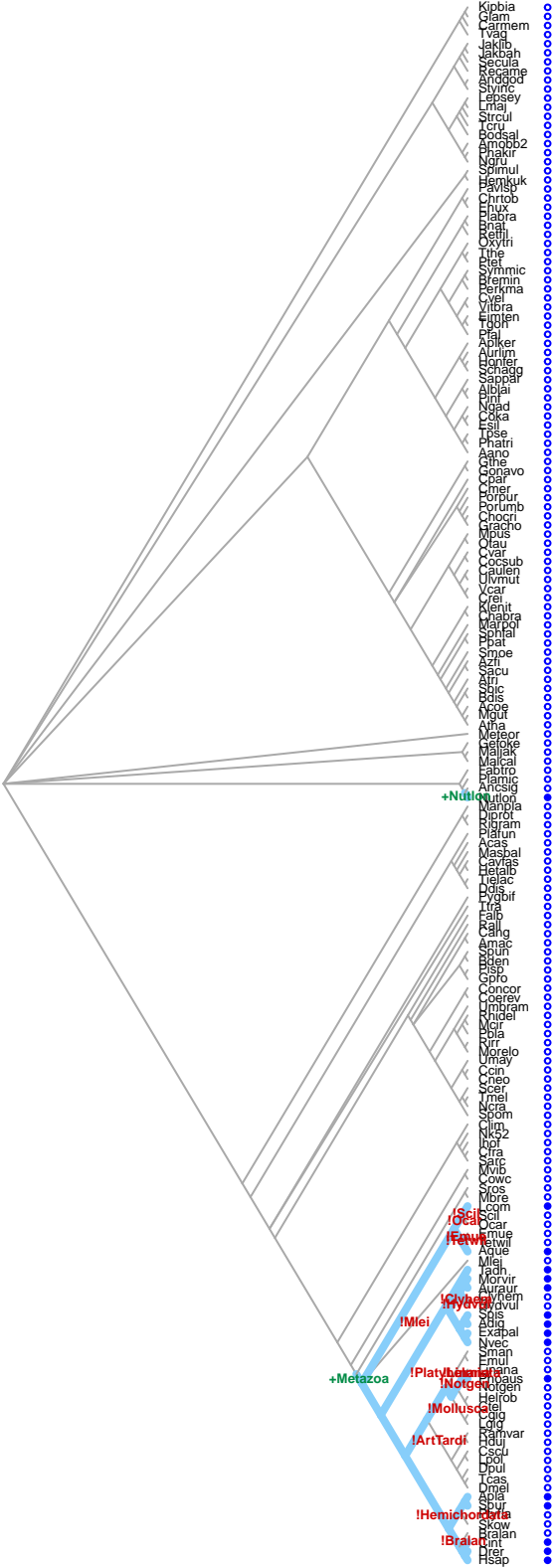




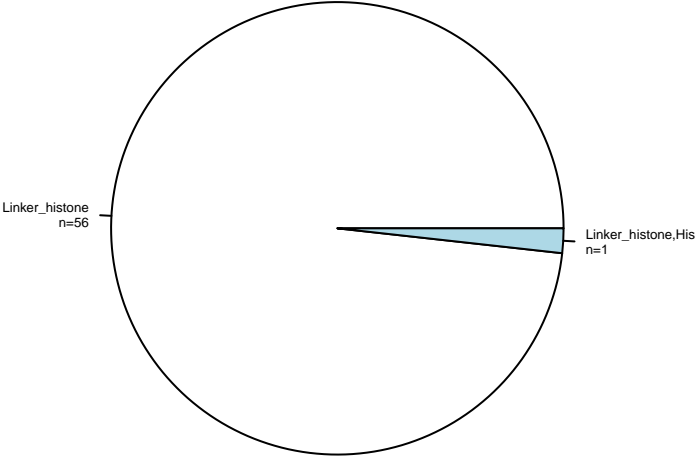
SNF2_N,Linker_histone,zf-C3HC4,Helicase_C	SNF2_N,Linker_histone,zf-C3HC4,Helicase_C n=2
SNF2_N,Linker_histone,Helicase_C	SNF2_N,Linker_histone,Helicase_C n=1
Linker_histone,DDT,WHIM1	Linker_histone,DDT,WHIM1 n=1
Linker_histone	Linker_histone n=21



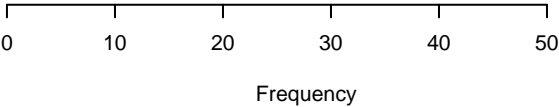
Gain: Vertebrata,Apla,Lcom,Choanoflagellata,Gefoke,Schagg,Perkma,Bnat,N
Presence Eukaryota prob = 0.00
Present: 10
Losses: NA



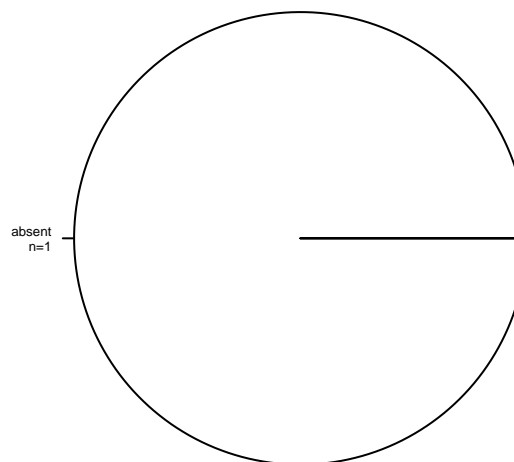
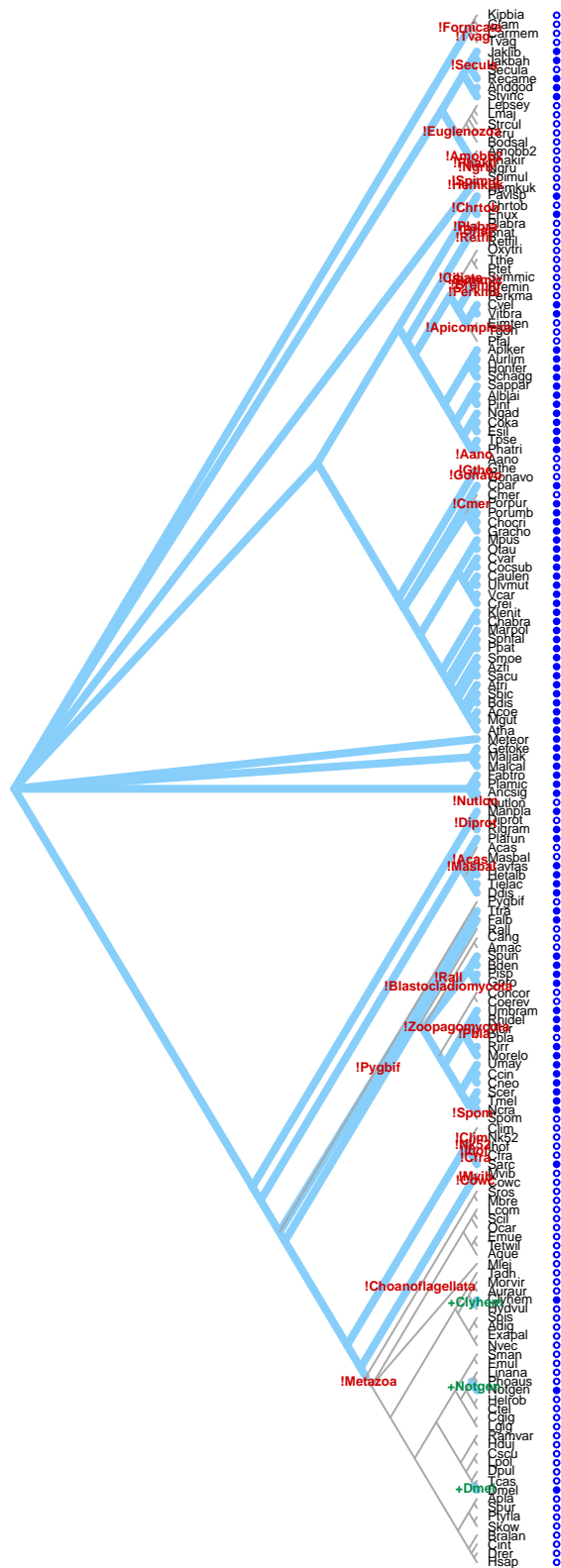
Gain: Metazoa,Nution,NA
Presence Eukaryota prob = 0.05
Present: 16
Losses: NA



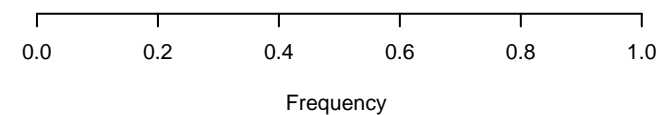
Linker_histone,Histone | n=1
Linker_histone | n=56



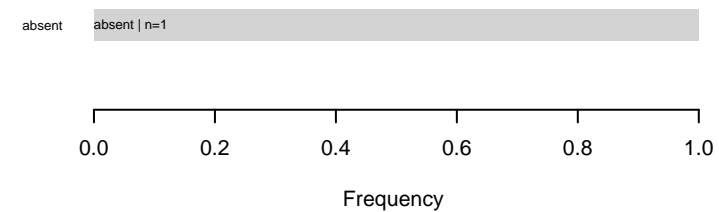
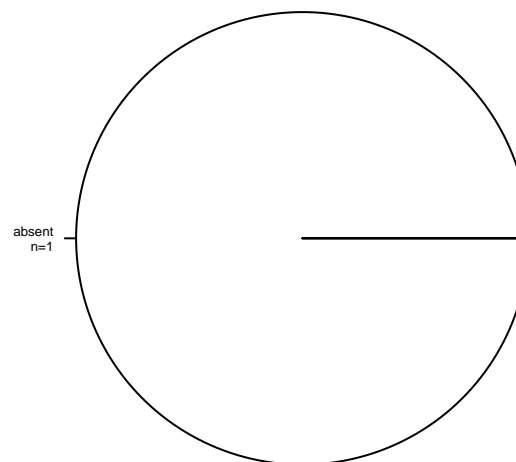
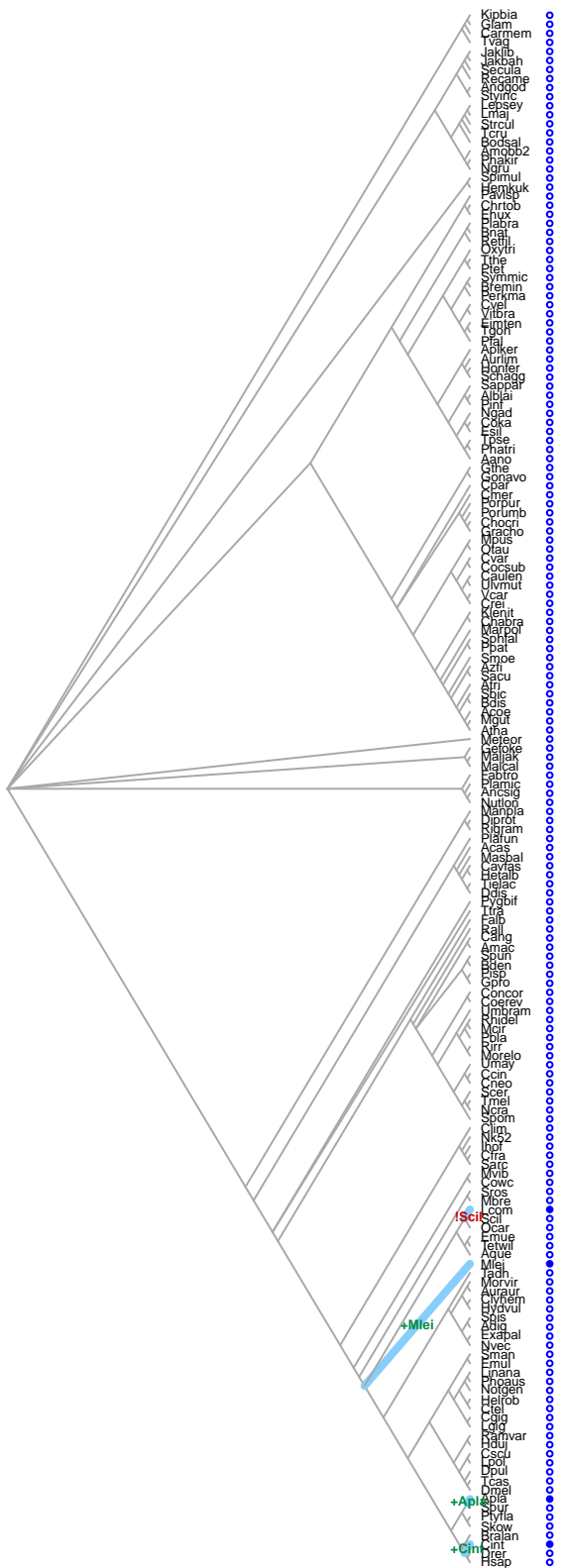
LinkerHistone.HG1.3
like:H1-0/H1-1/H1-2/H1-3/H1-4/H1-5/H1-6

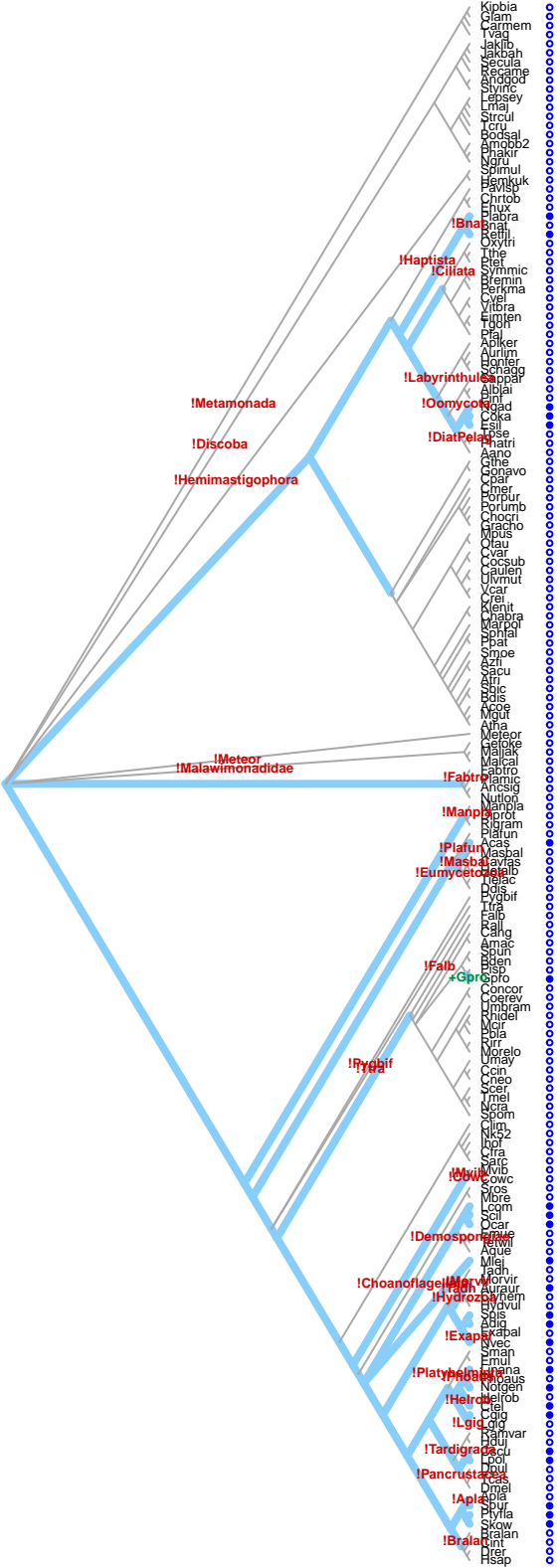


absent absent | n=1

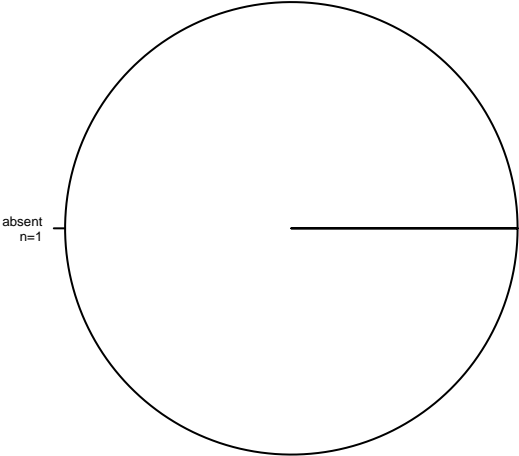


Gain: Dmel,Notgen,Clyhem,NA
Presence Eukaryota prob = 1.00
Present: 83
Losses: NA

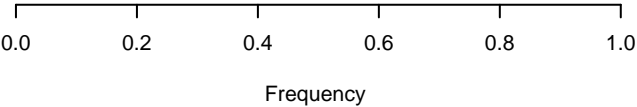


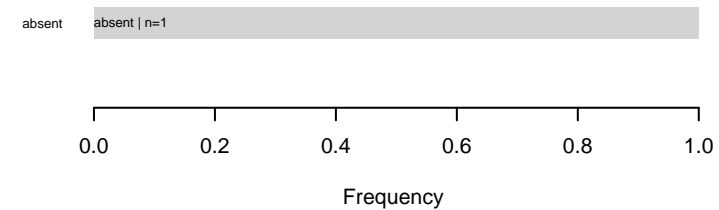
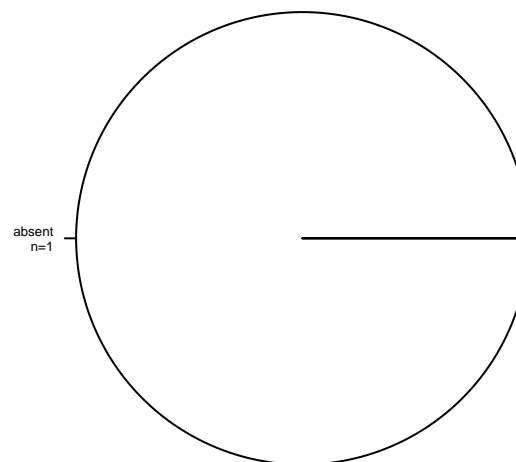
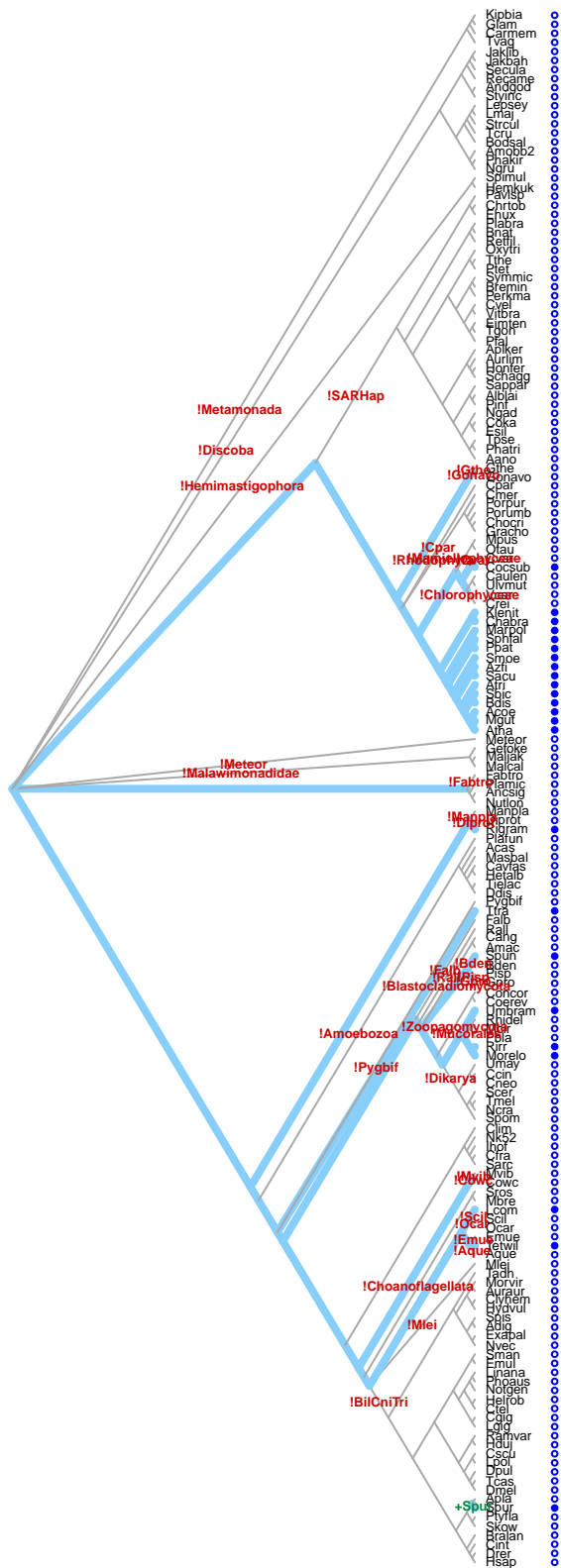


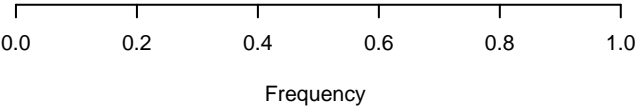
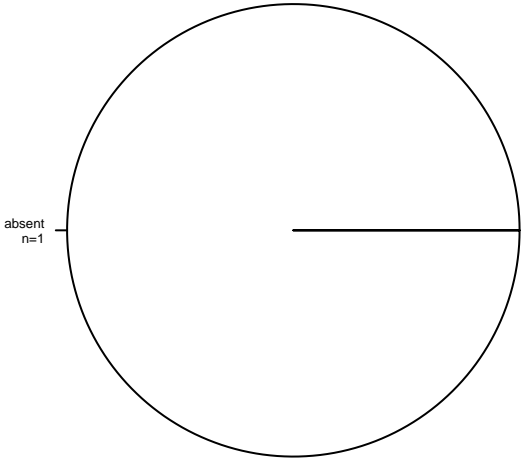
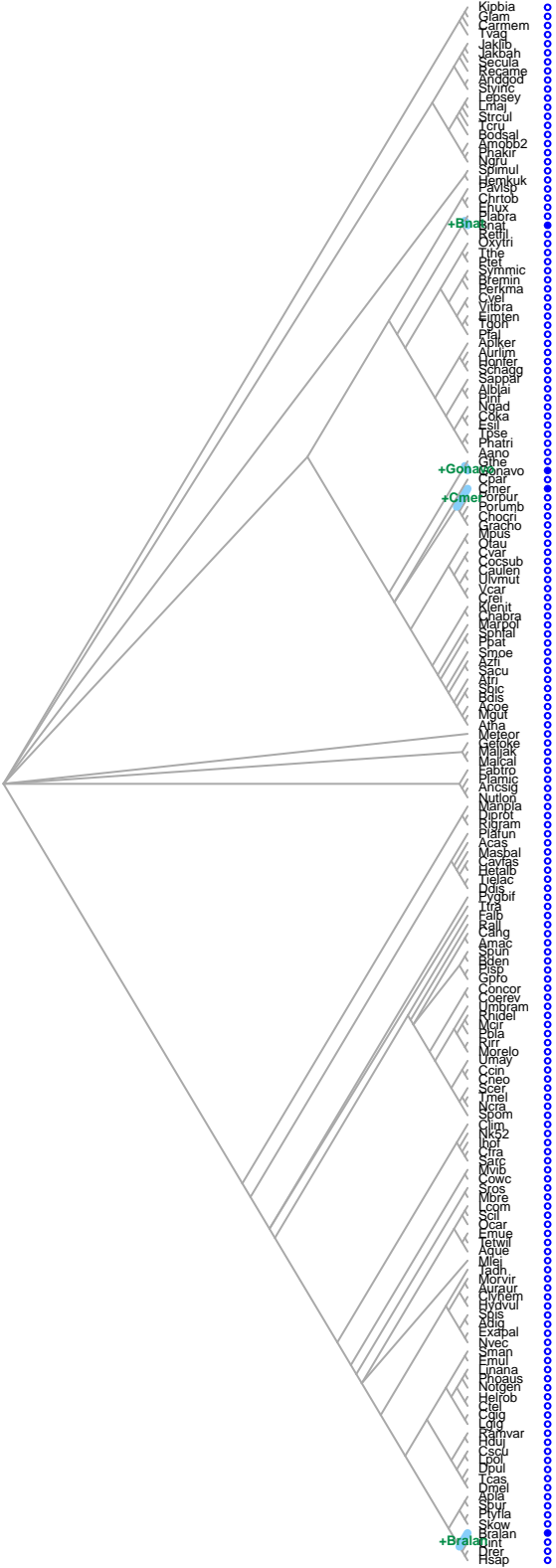
Gain: Gpro,NA
Presence Eukaryota prob = 0.95
Present: 24
Losses: NA



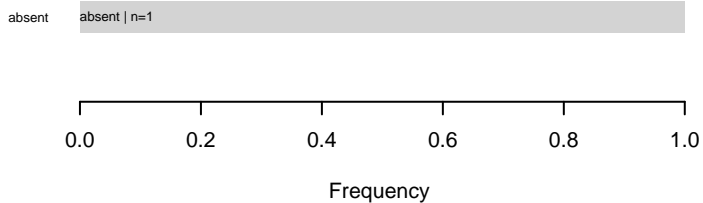
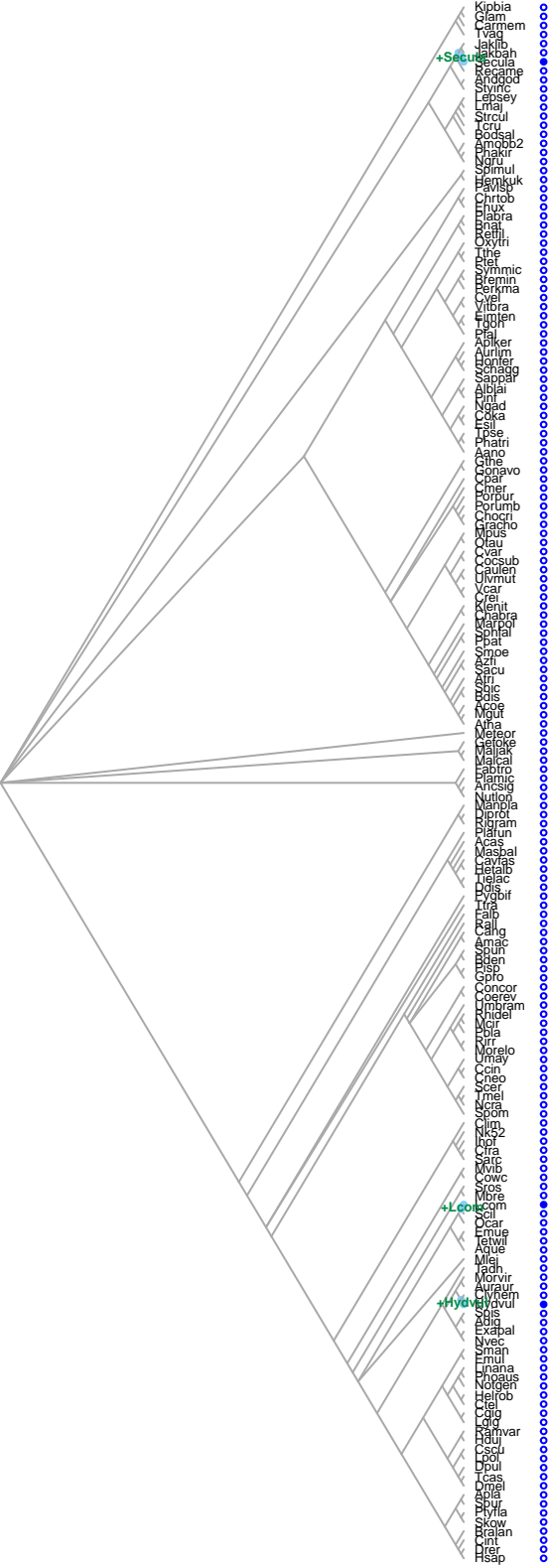
absent absent | n=1



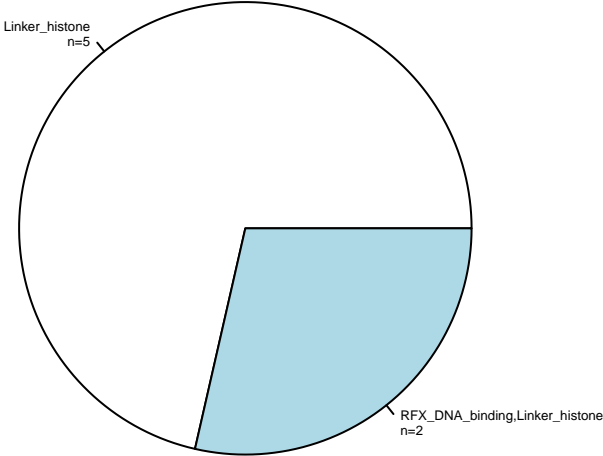
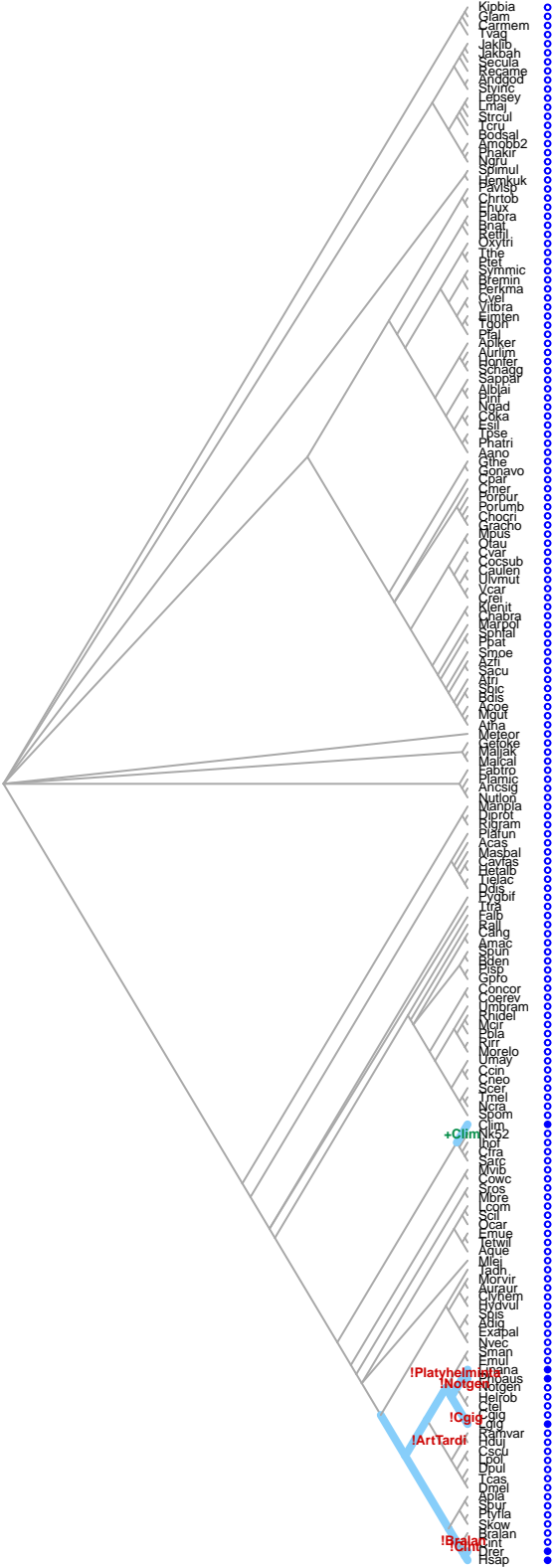




Gain: Bralan,Cmer,Gonavo,Bnat,NA
Presence Eukaryota prob = 0.01
Present: 4
Losses: NA



Gain: Hydvl,Lcom,Secula,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA



RFX_DNA_binding,Linker_histone	RFX_DNA_binding,Linker_histone n=2
Linker_histone	Linker_histone n=5

