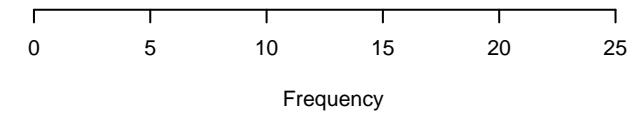
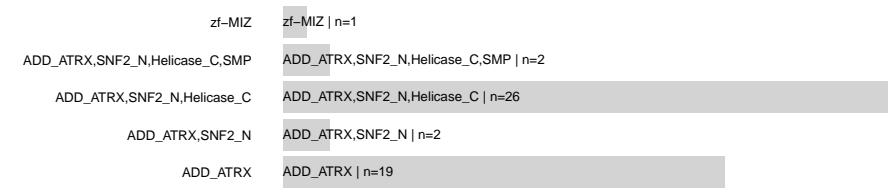
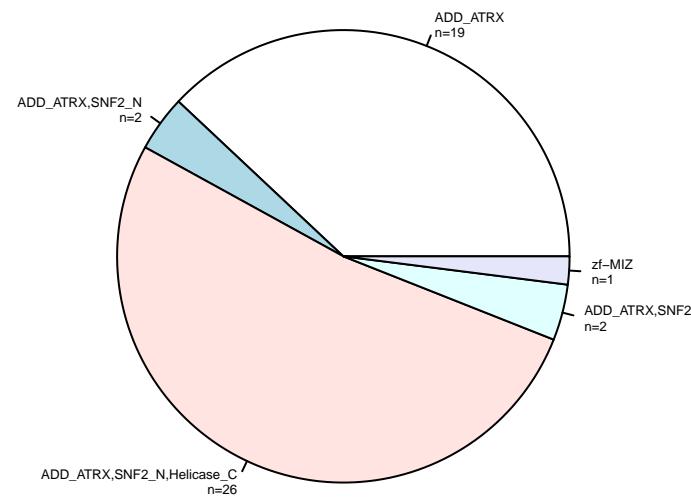
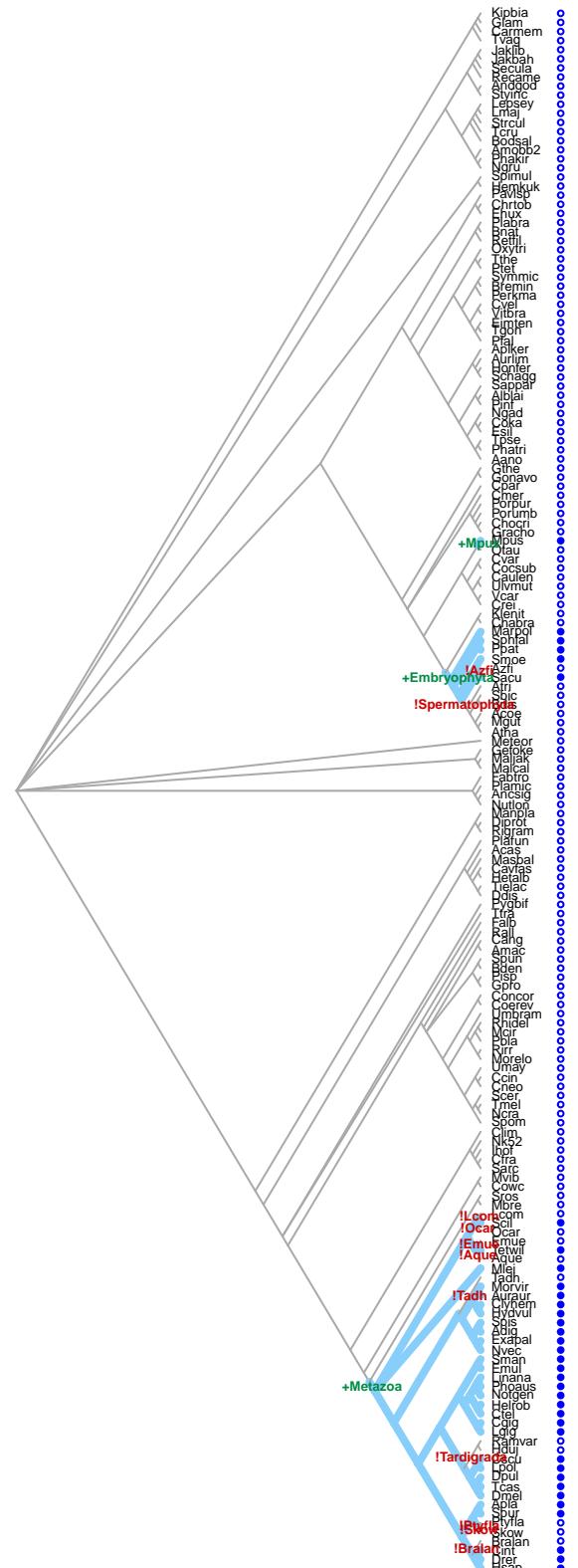
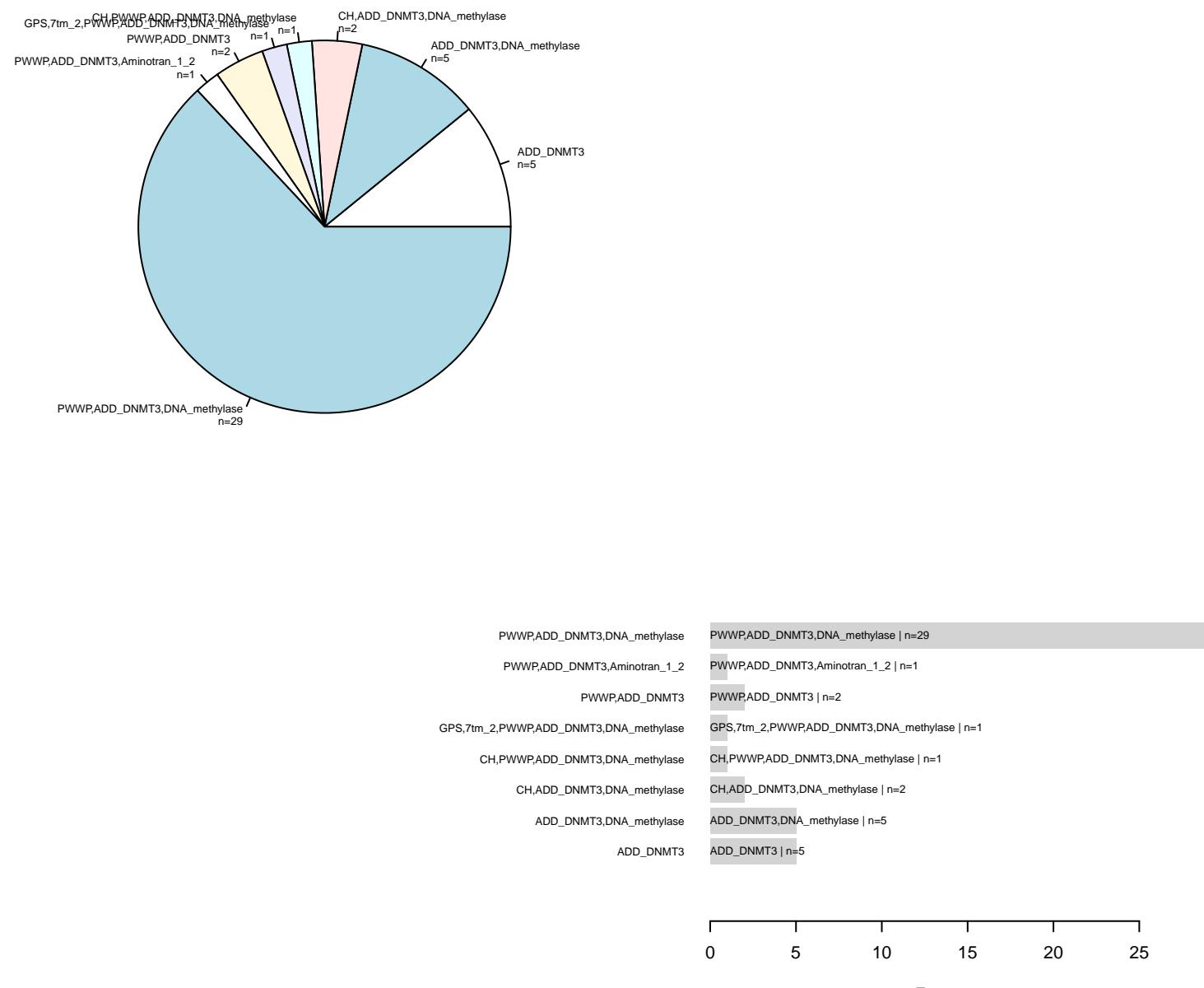
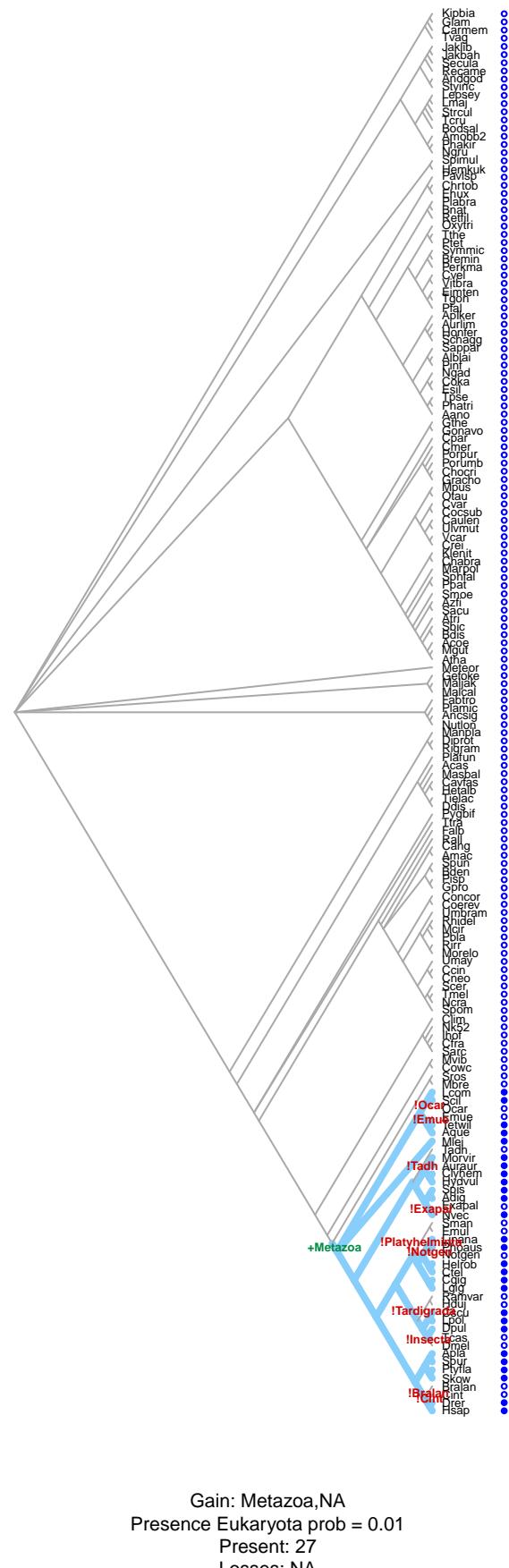
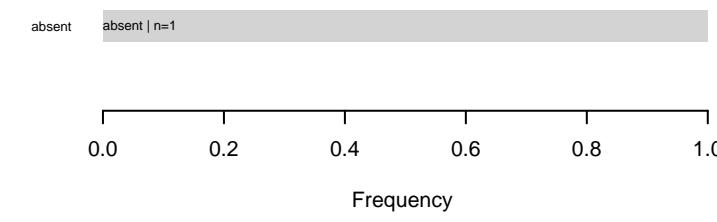
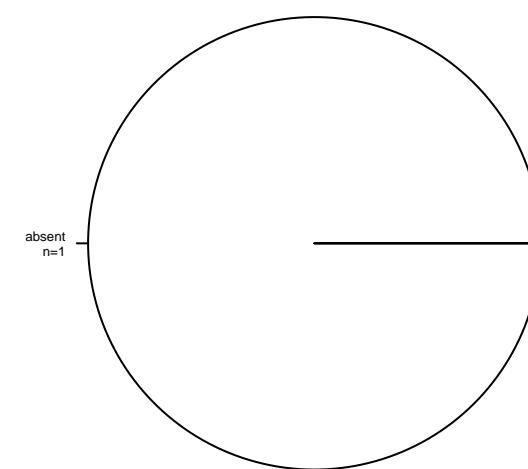
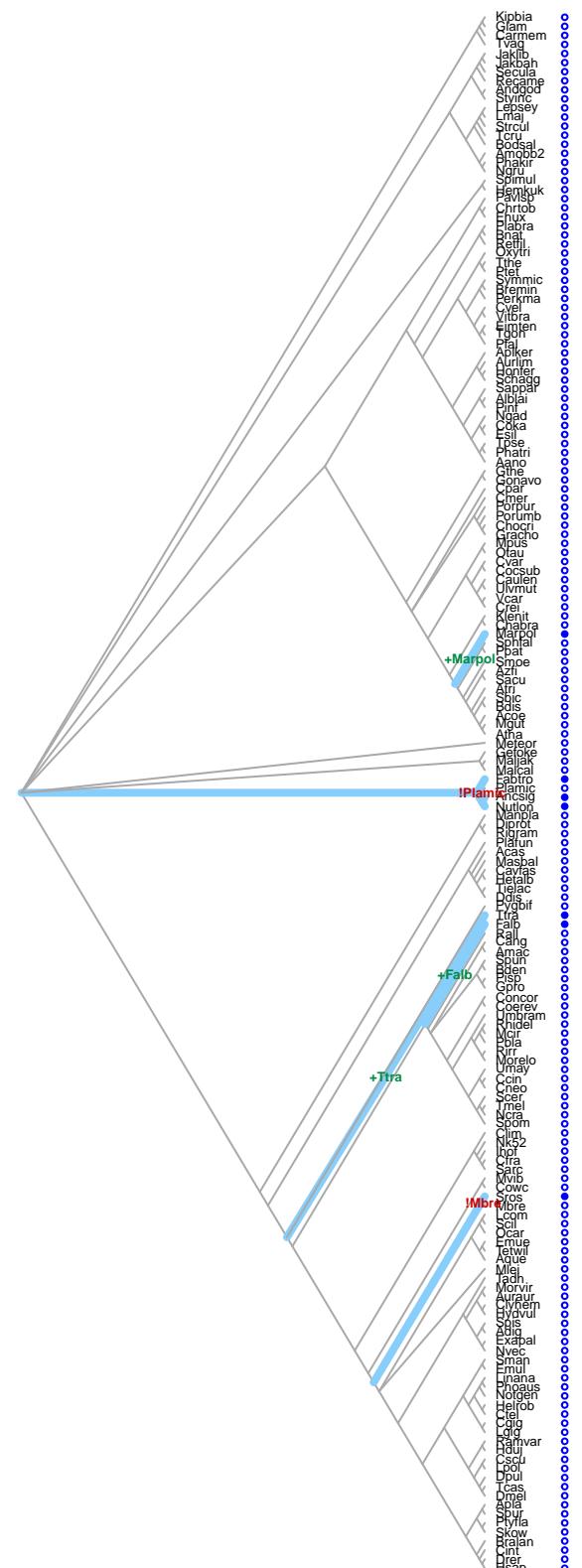
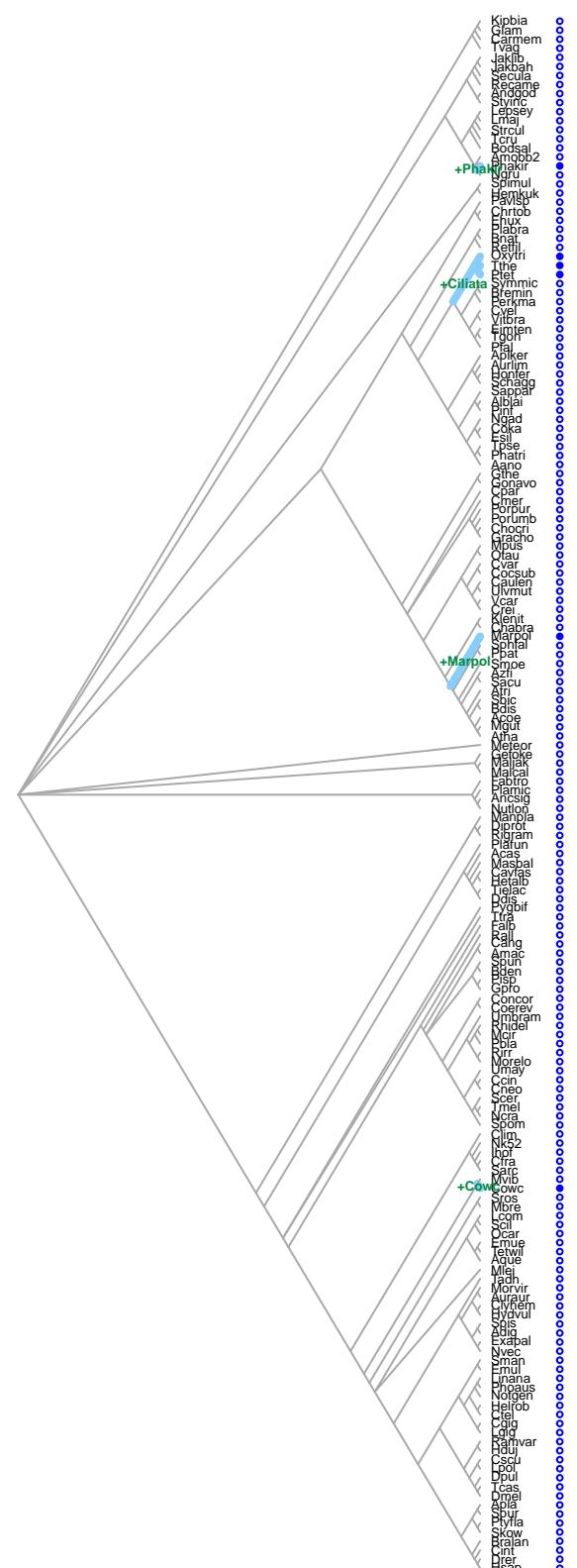


ADD_ATRX.HG1.0
ATRX







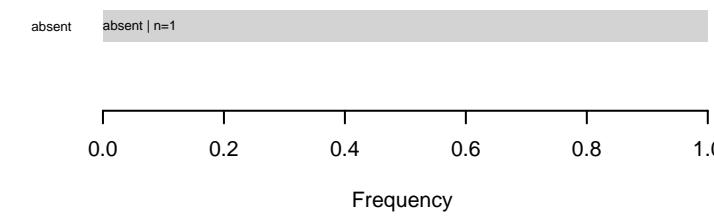
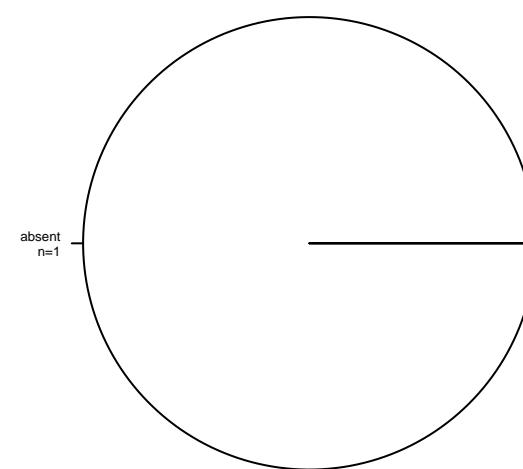


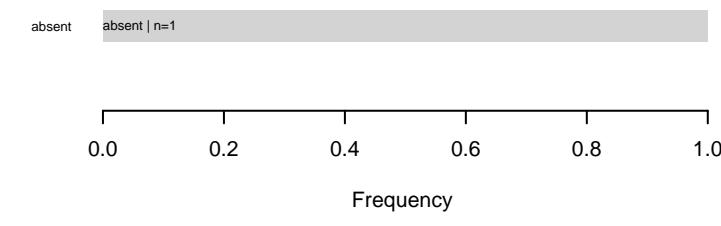
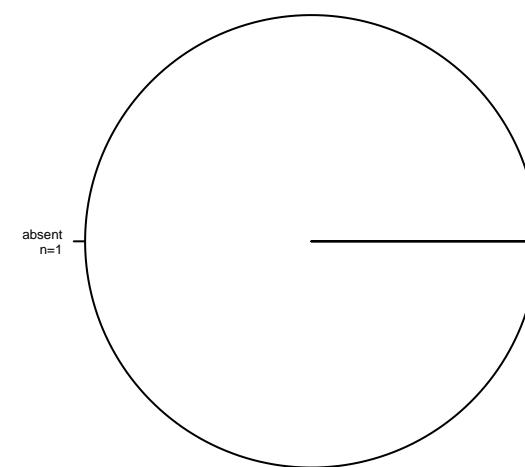
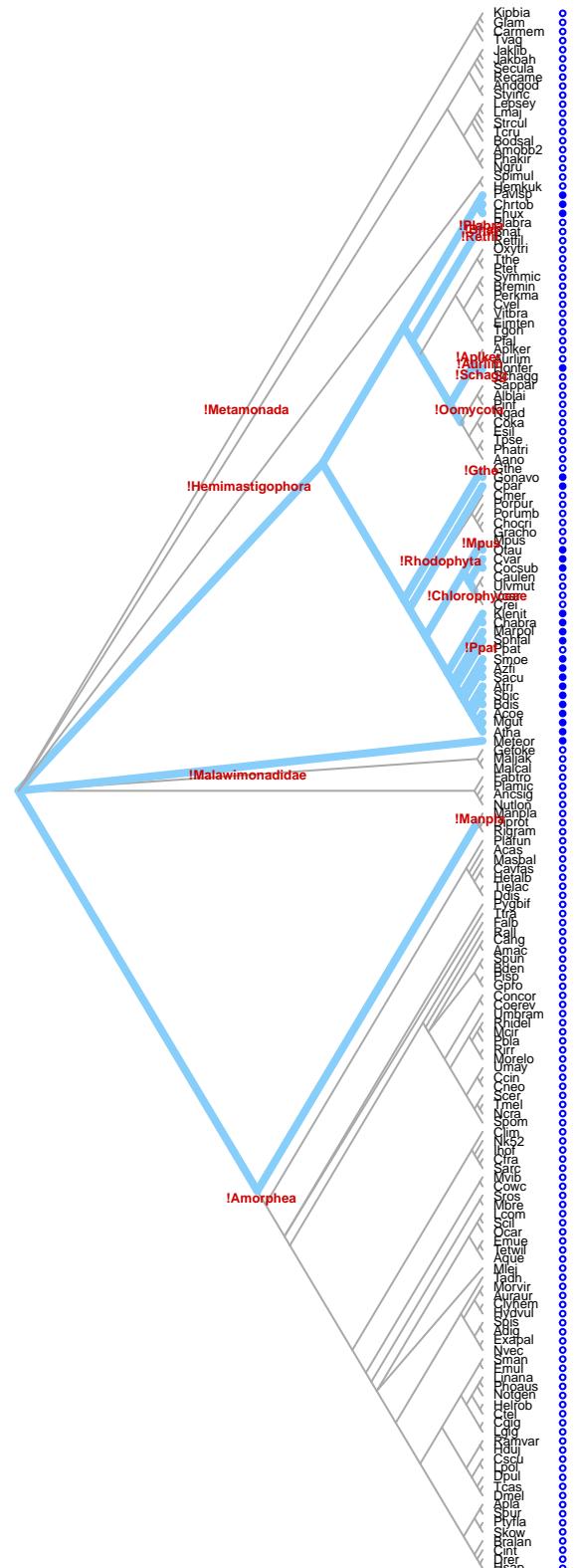
Gain: Cowc,Marpol,Ciliata,Phakir,NA

Presence Eukaryota prob = 0.00

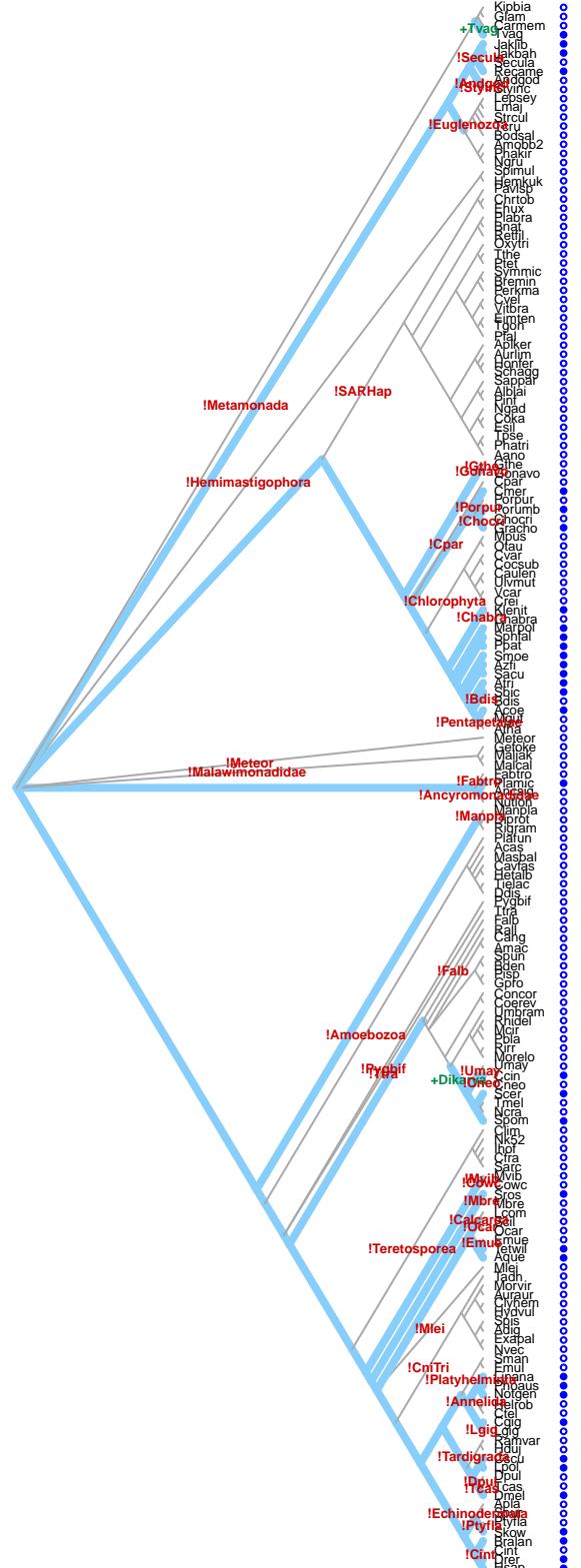
Present: 6

Losses: NA

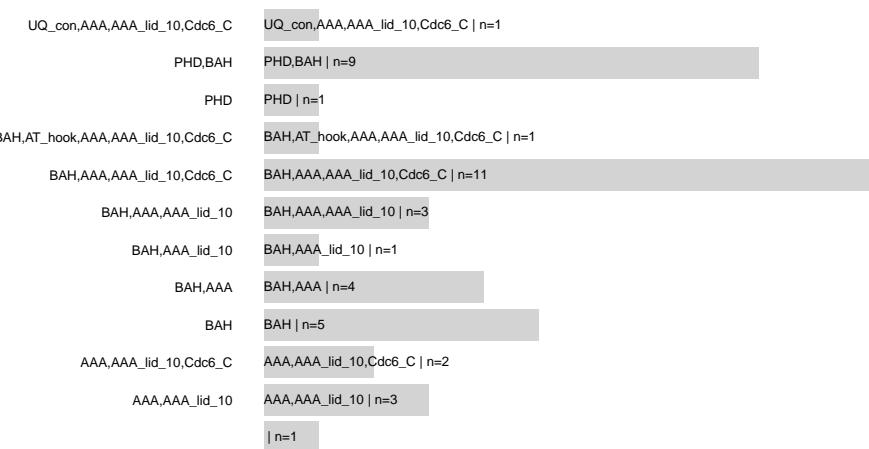
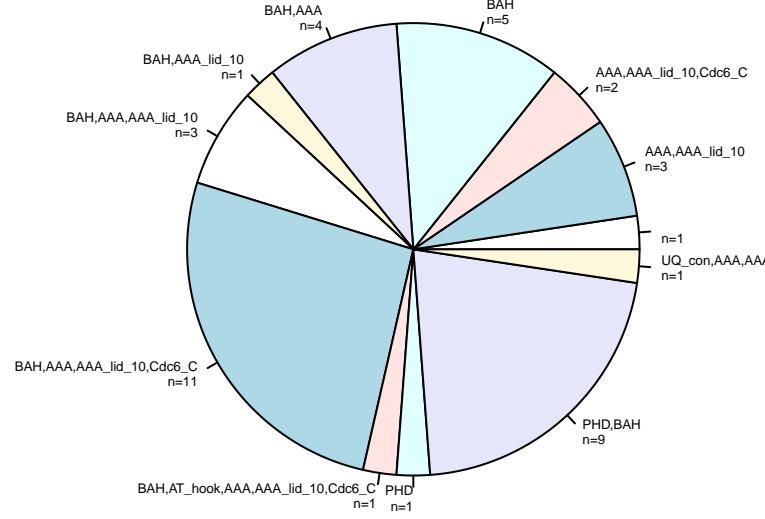




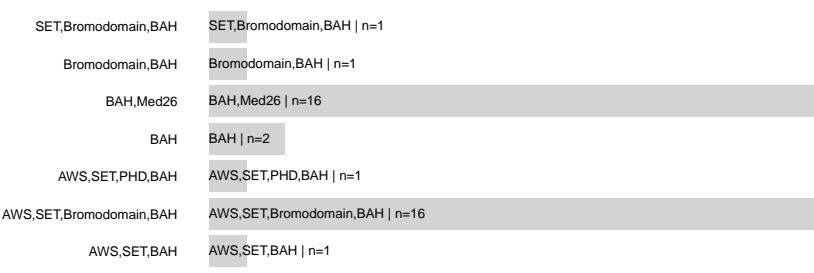
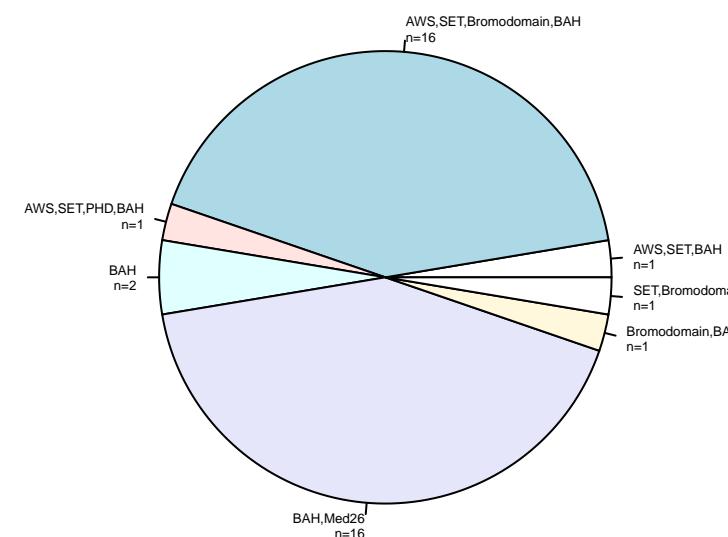
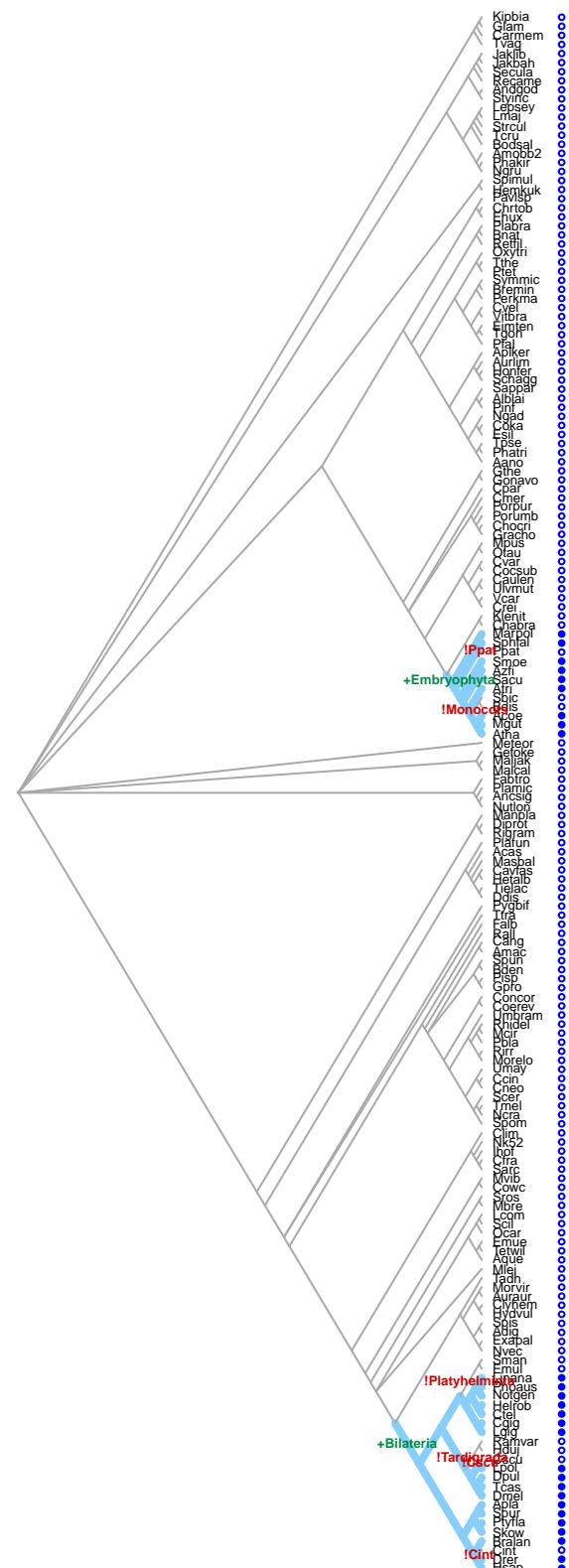
BAH.HG1.11
ORC1



Gain: Dikarya, Tvg, NA
Presence Eukaryota prob = 0.99
Present: 35
Losses: NA

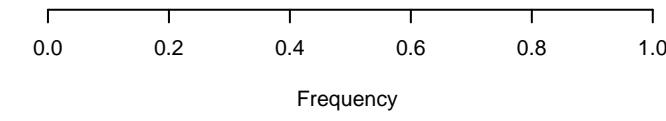
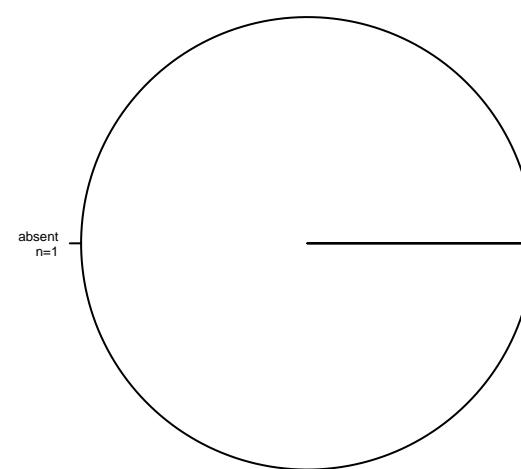
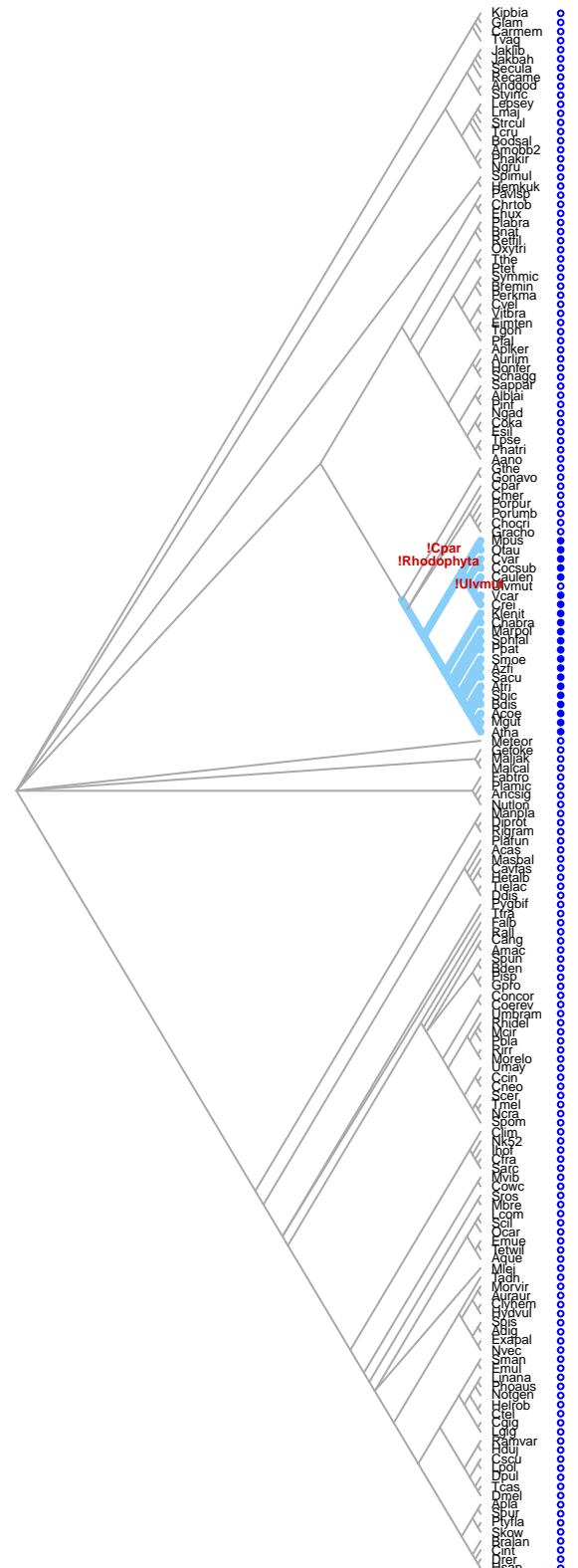


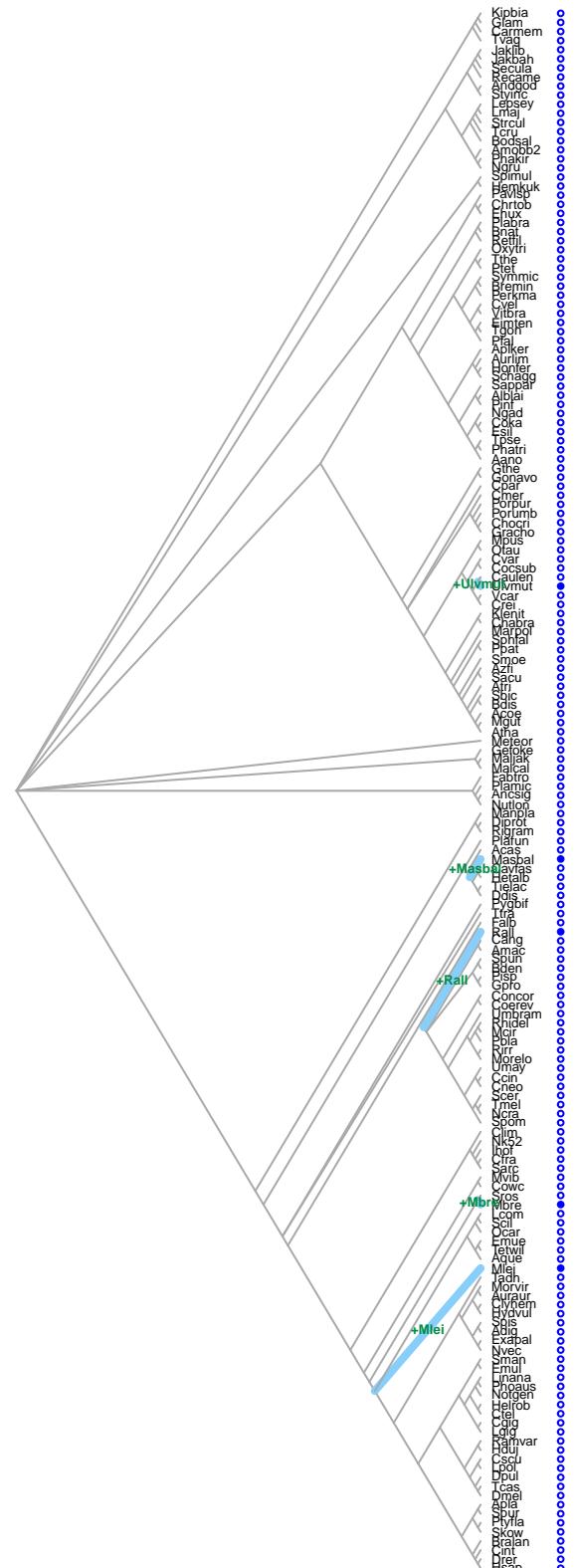
BAH.HG1.2
ASH1L



0 5 10 15

Frequency



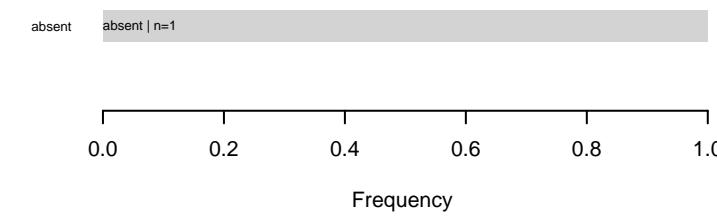
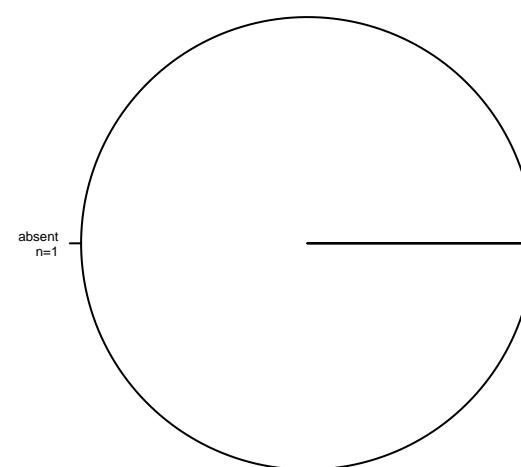


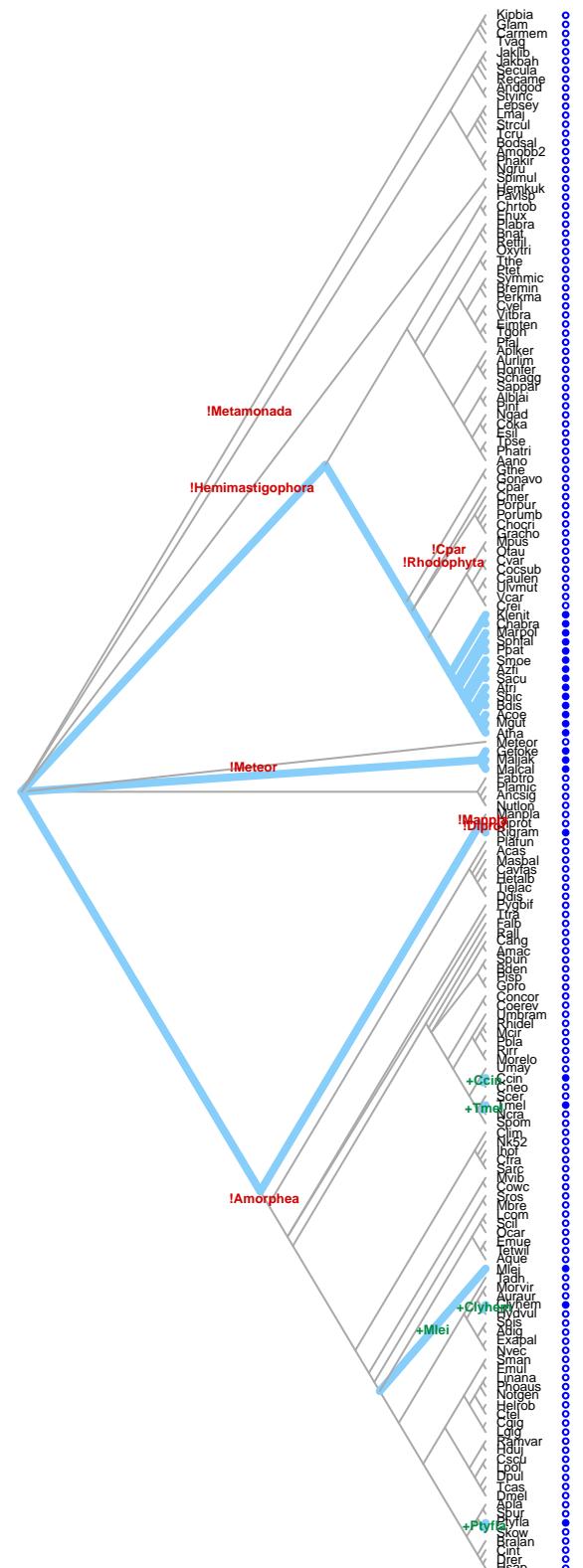
Gain: Mlei,Mbre,Rall,Masbal,Ulmutm,NA

Presence Eukaryota prob = 0.00

Present: 5

Losses: NA



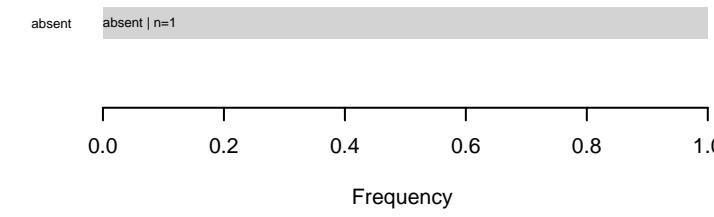
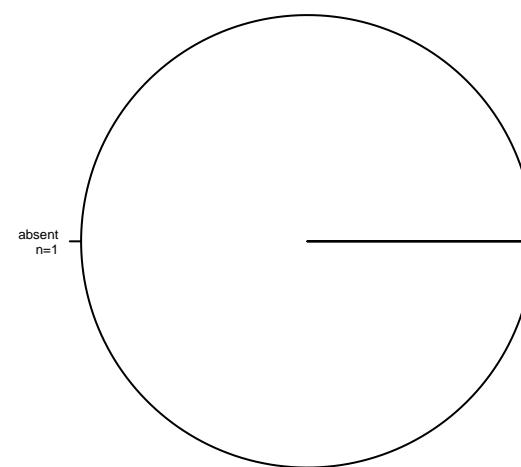


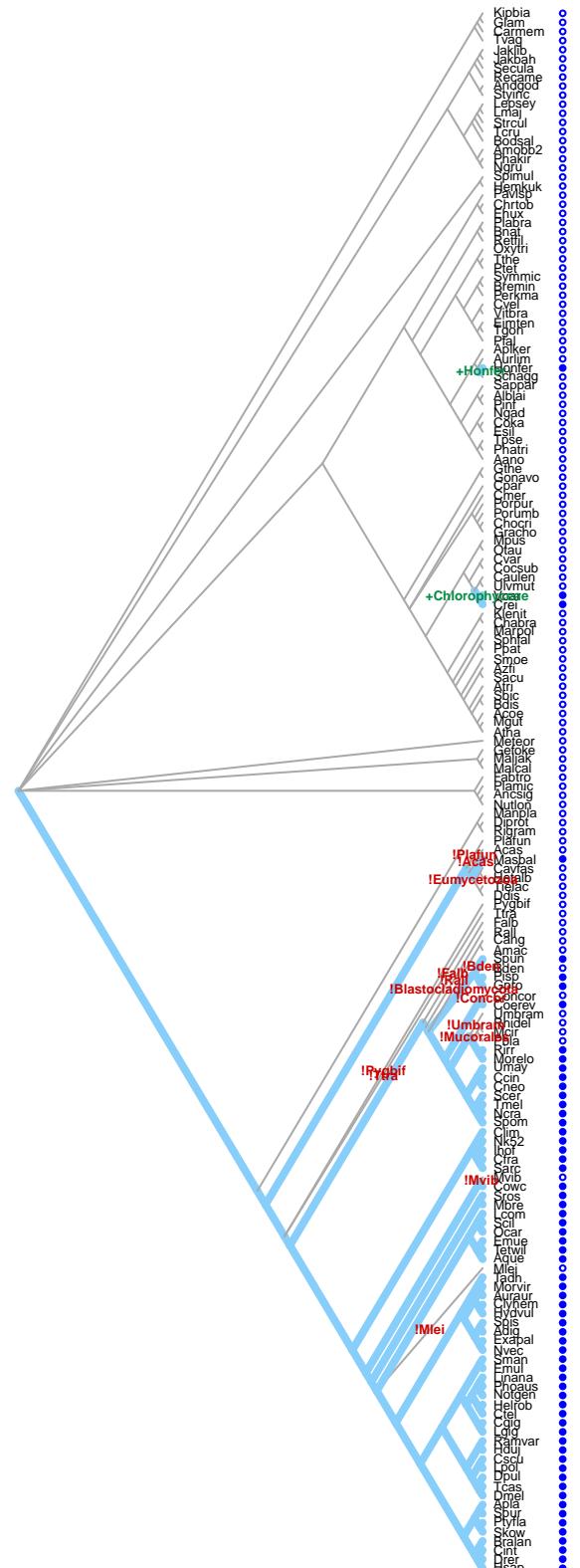
Gain: Ptyfla,Clyhem,Mlei,Tmel,Ccin,NA

Presence Eukaryota prob = 0.79

Present: 23

Losses: NA



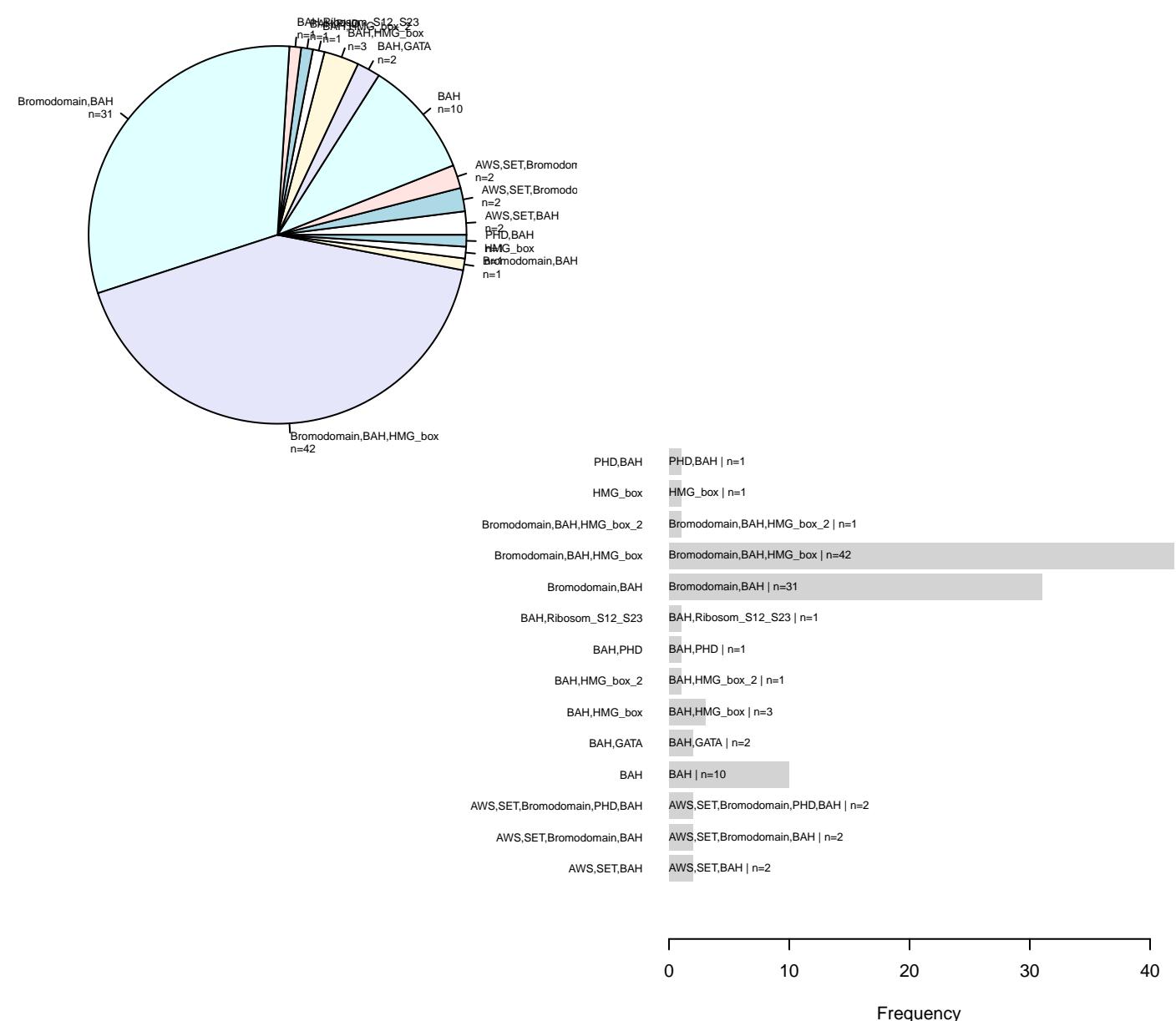


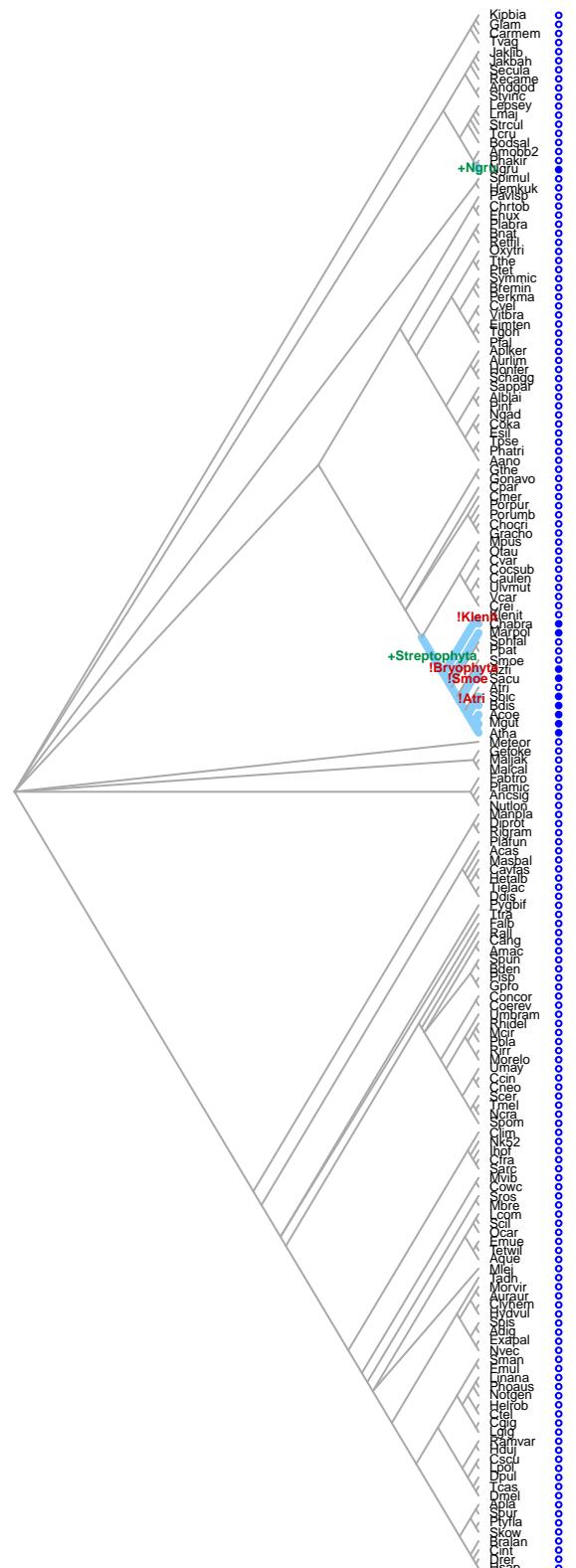
Gain: Chlorophyceae, Honfer, NA

Presence Eukaryota prob = 0.50

Present: 64

Losses: NA



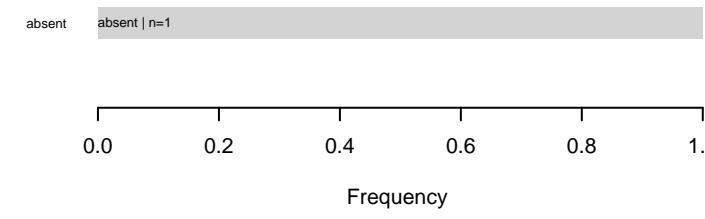
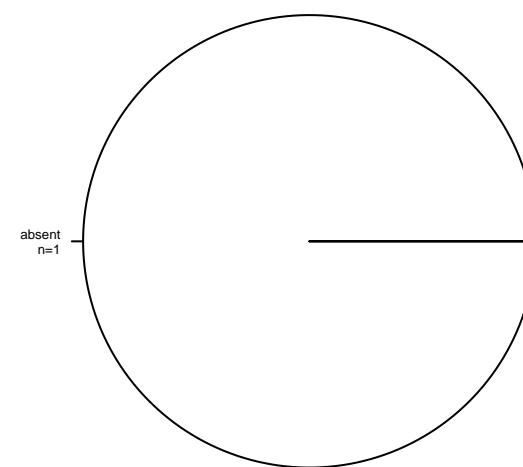


Gain: Streptophytina,Ngru,NA

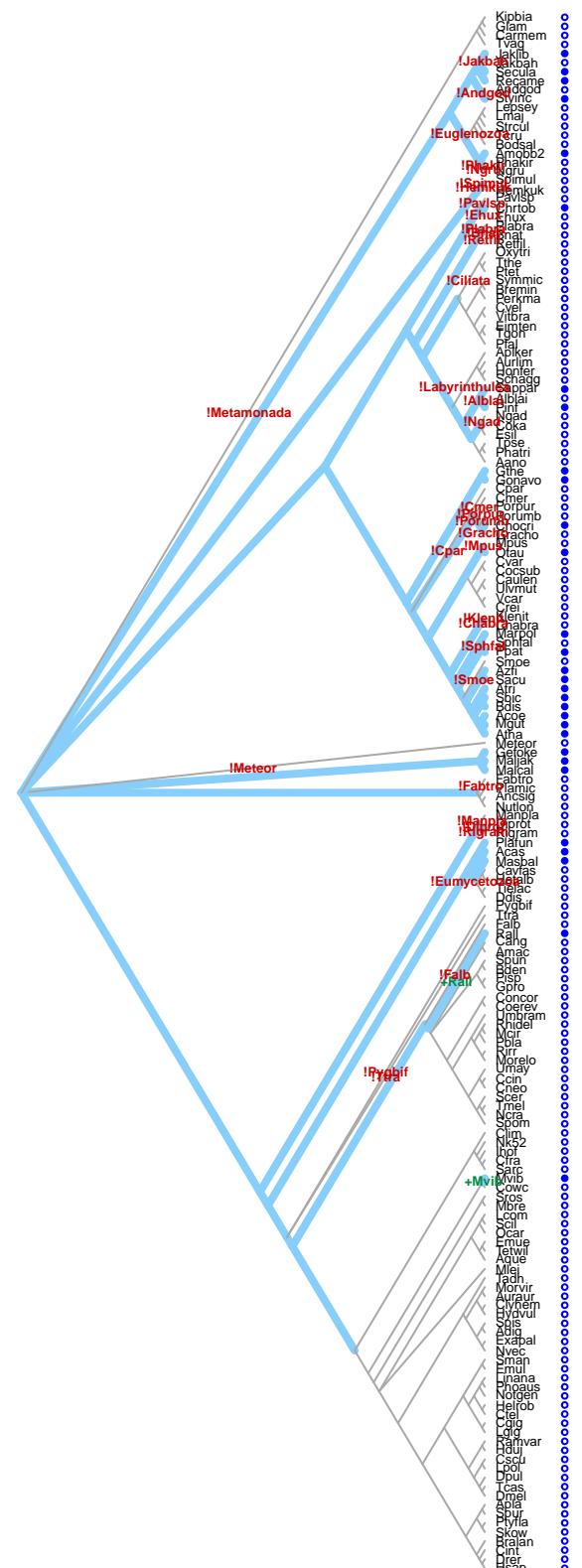
Presence Eukaryota prob = 0.01

Present: 10

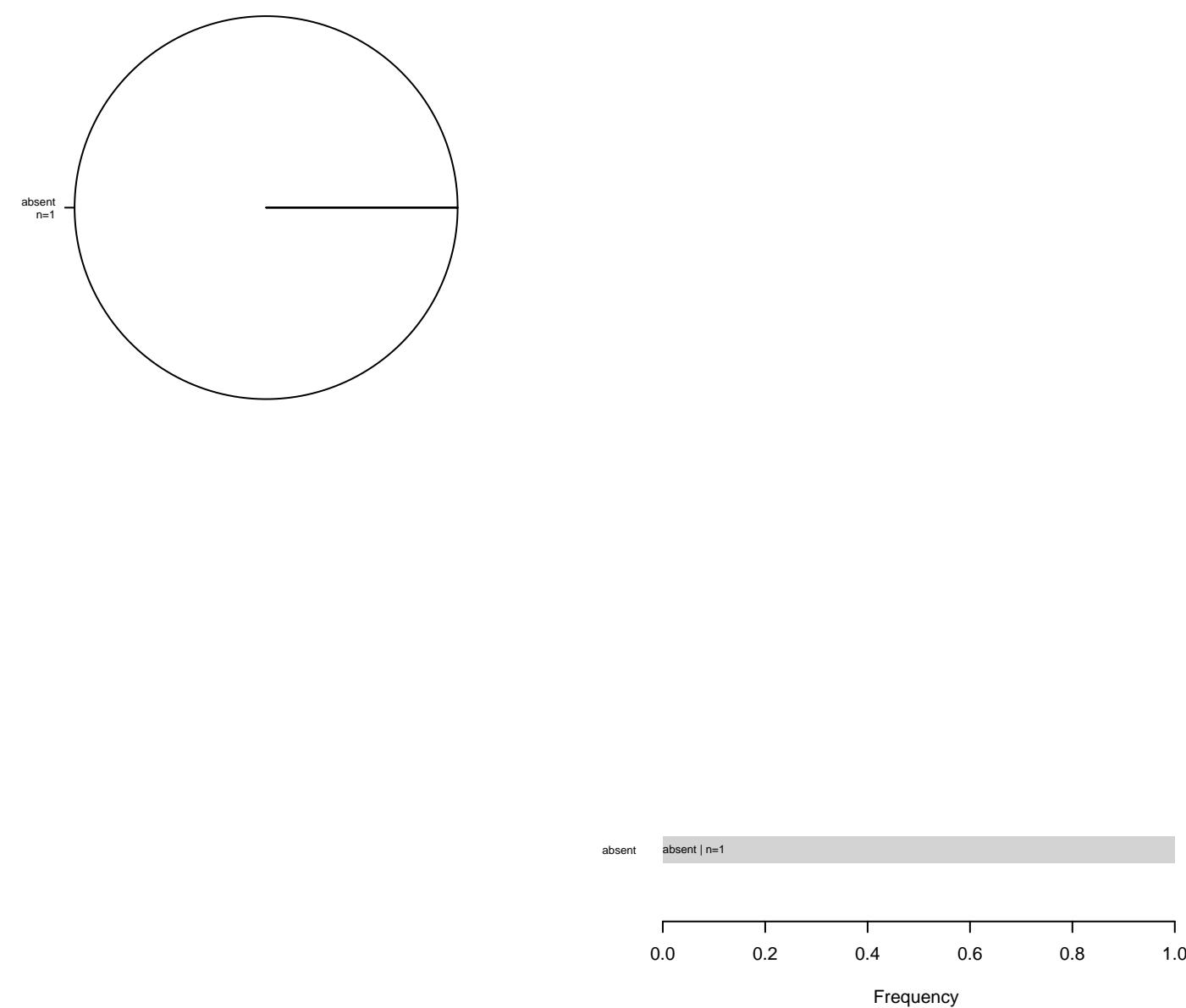
Losses: NA

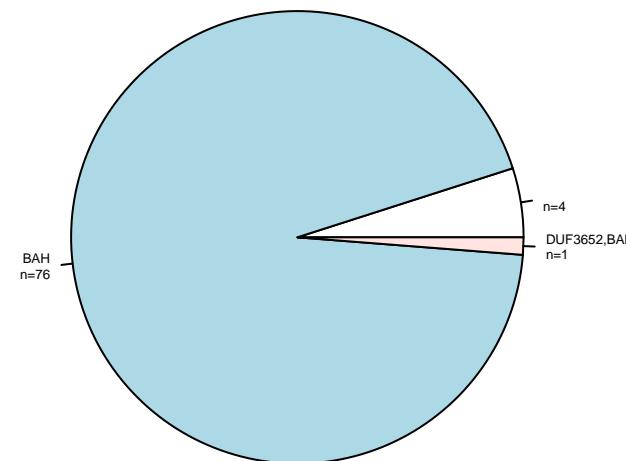
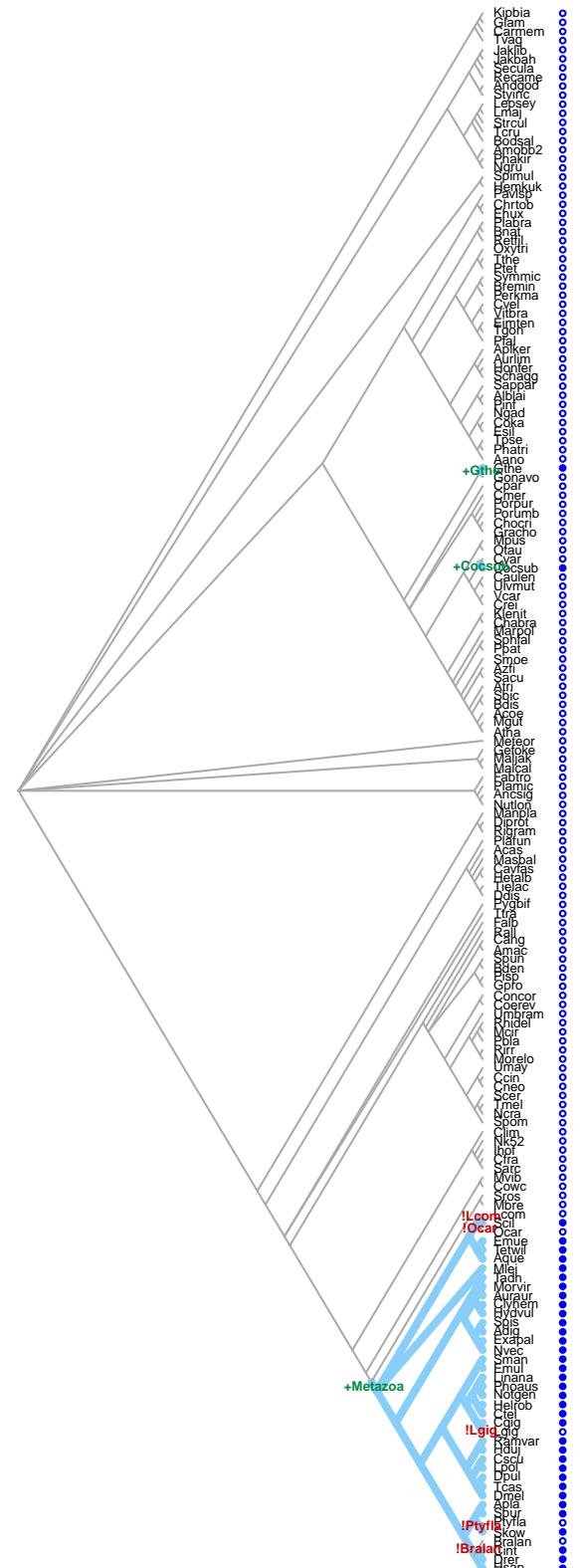


BAH.HG1.8
like:BAHCC1/BAHD1/ORC1/TNRC18

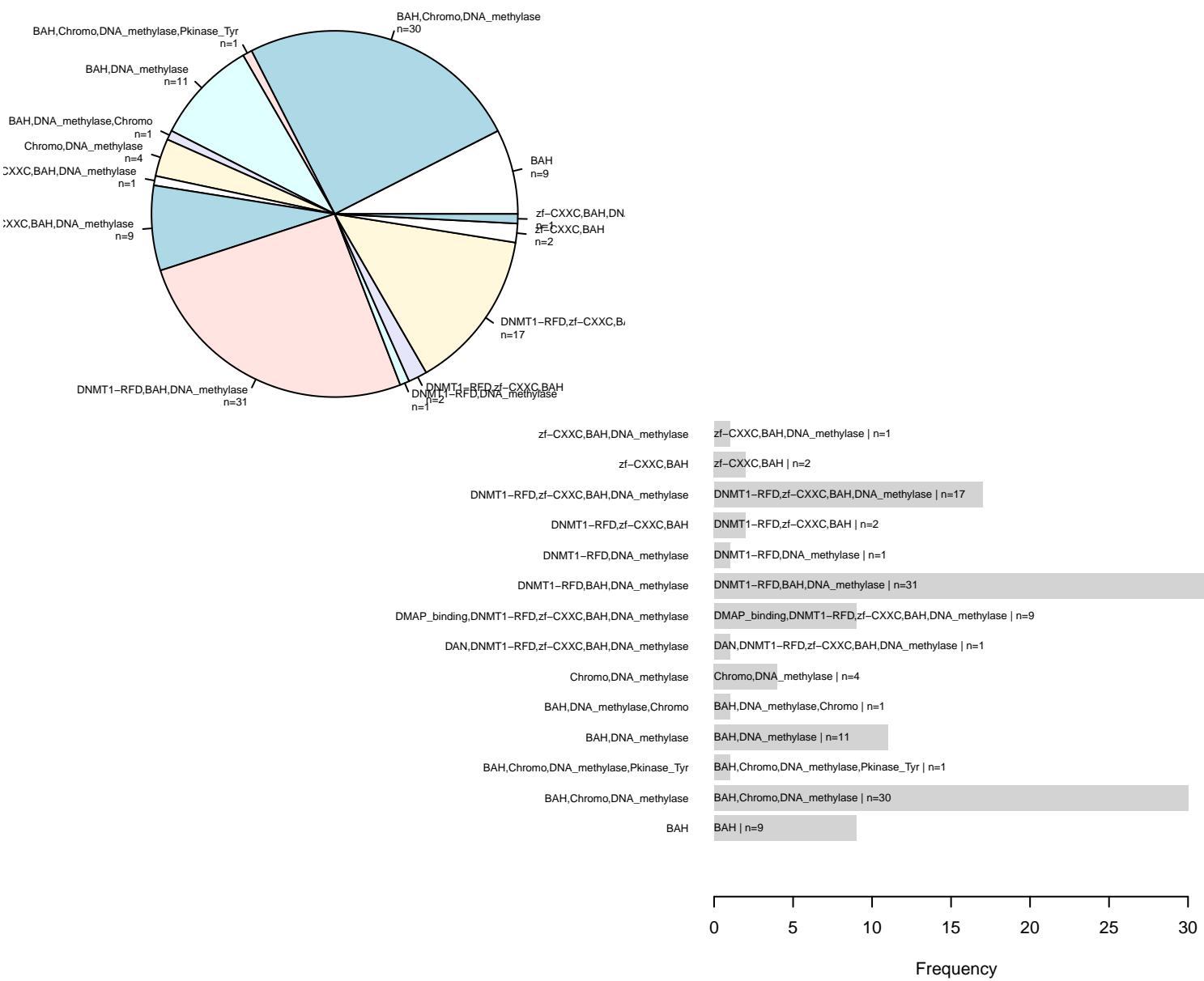
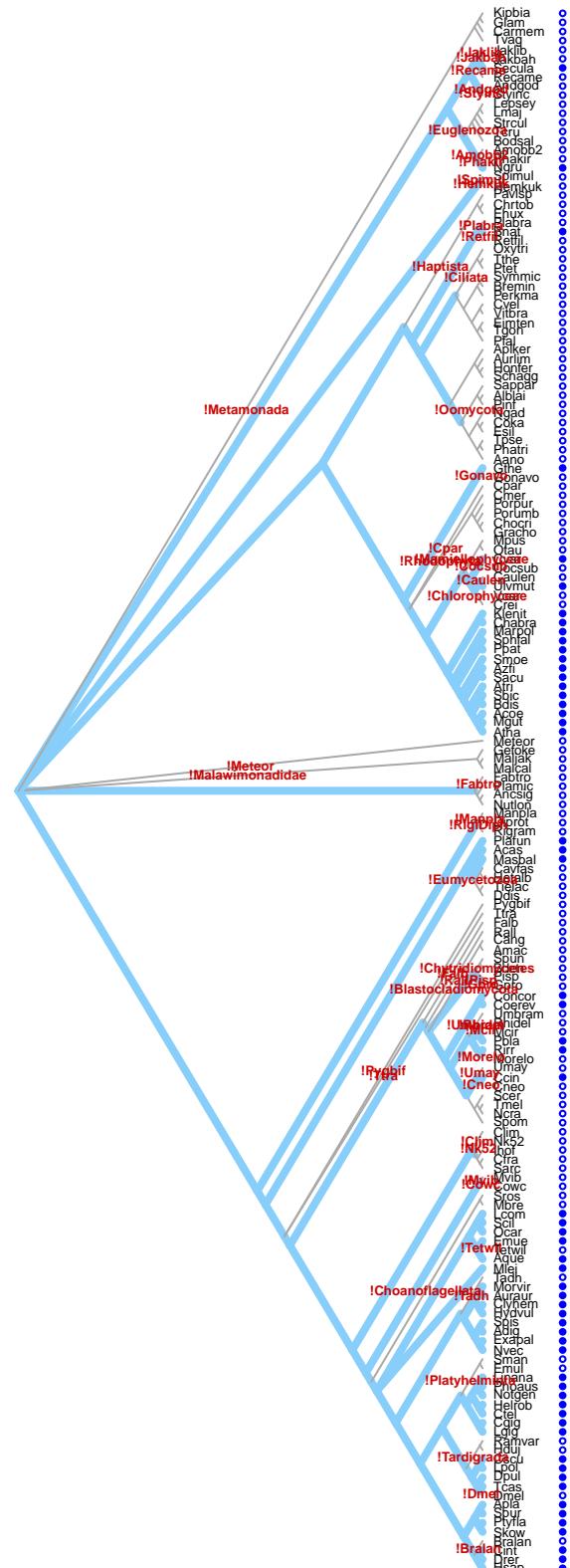


Gain: Mvib,Rall,NA
Presence Eukaryota prob = 1.00
Present: 30
Losses: NA

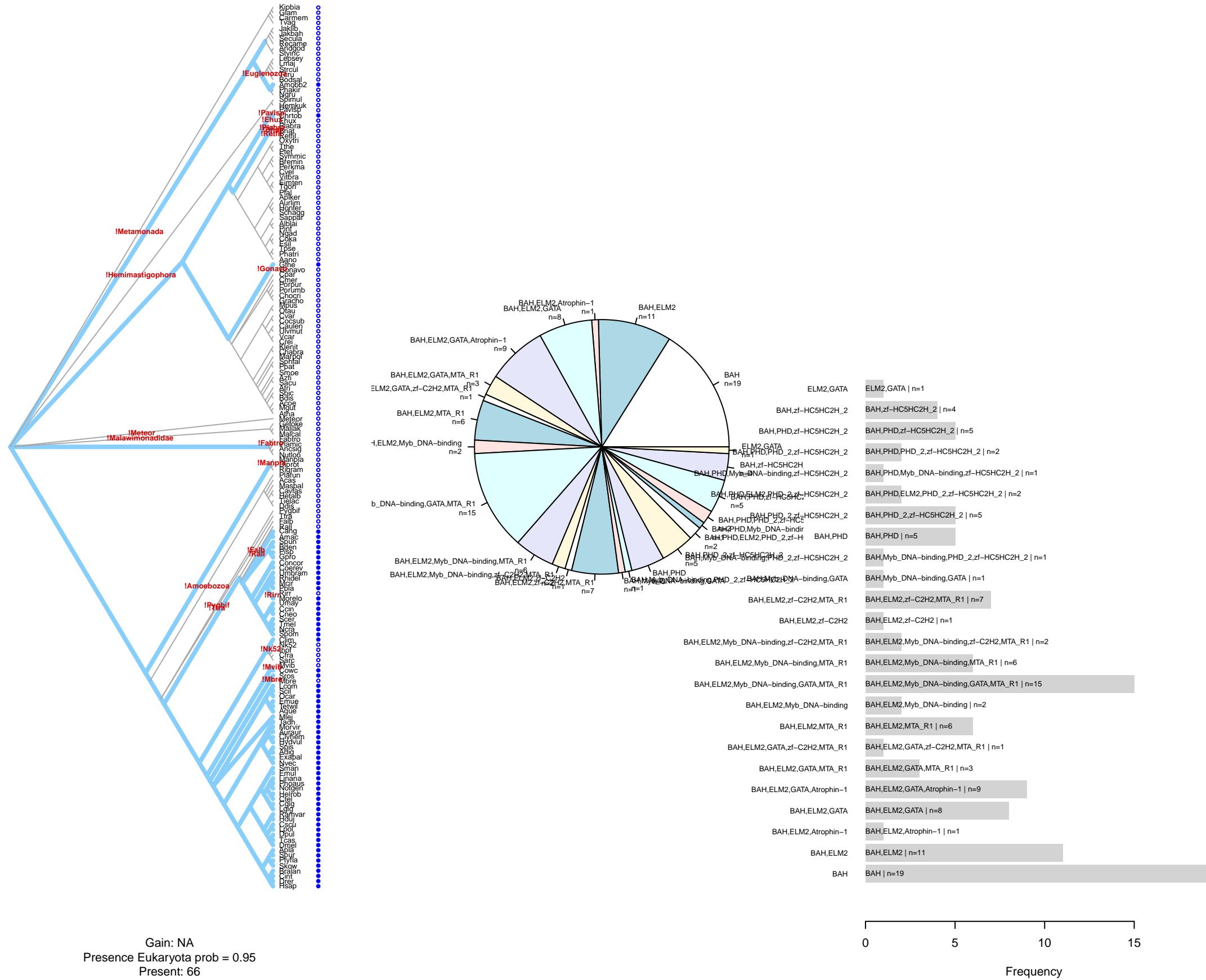




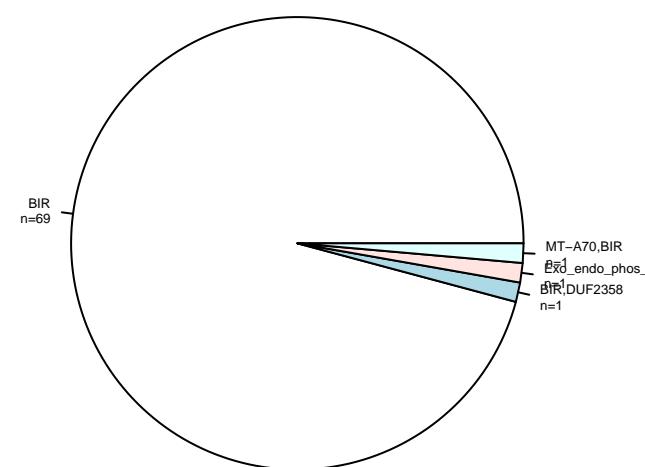
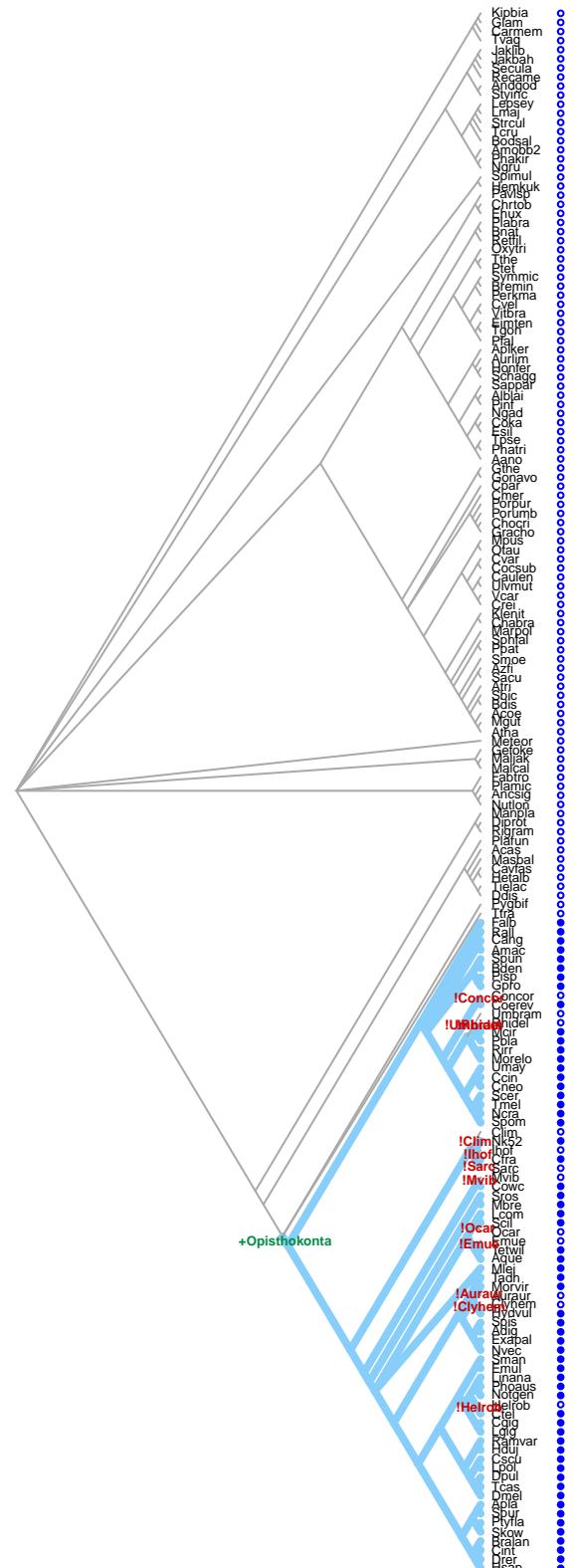
BAH.HG2.0
DNMT1



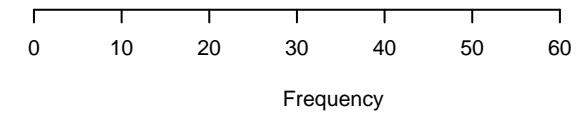
BAH.HG3.0
MTA1/MTA2/MTA3/RERE



BIR.HG1.0
BIRC5

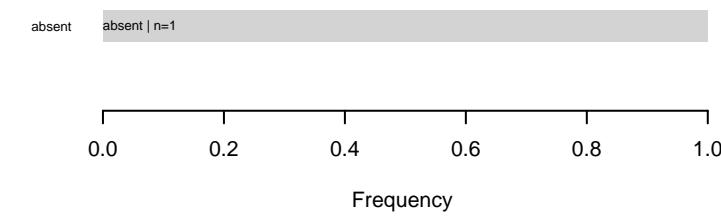
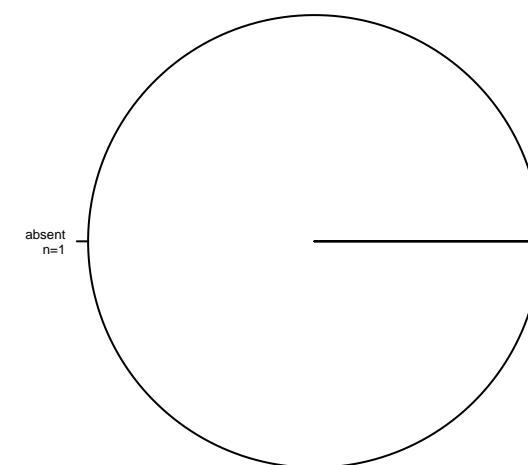
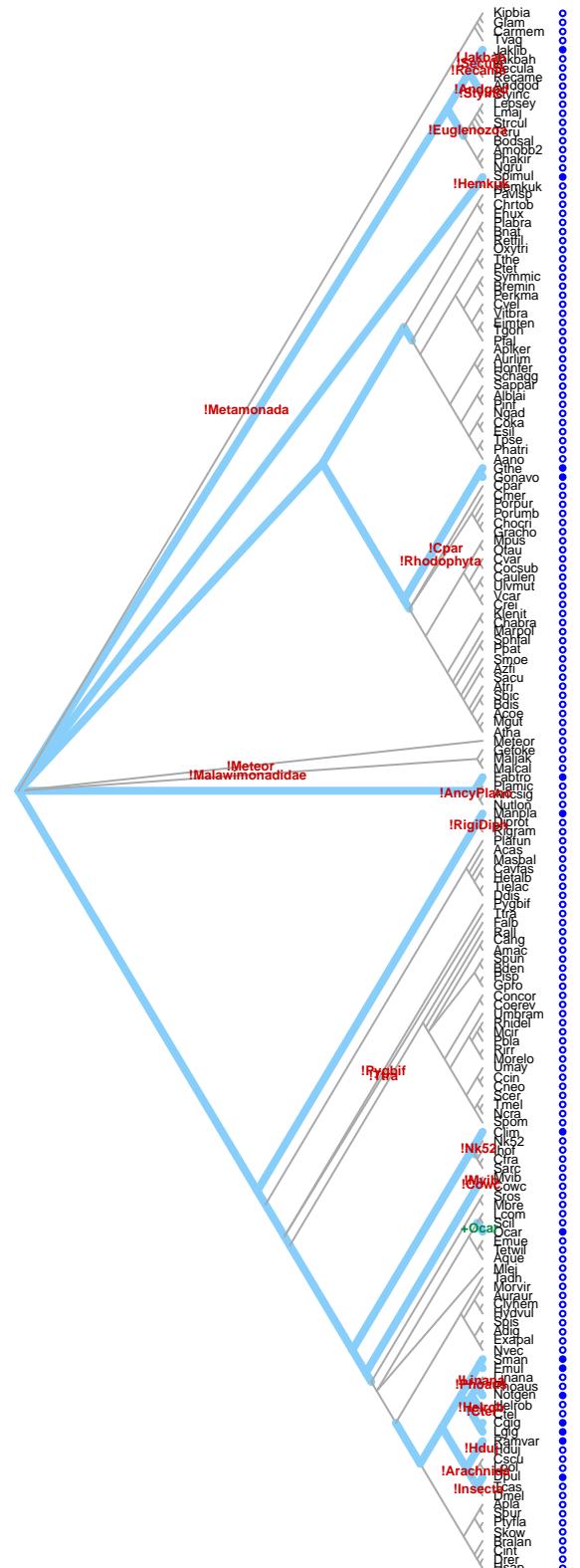


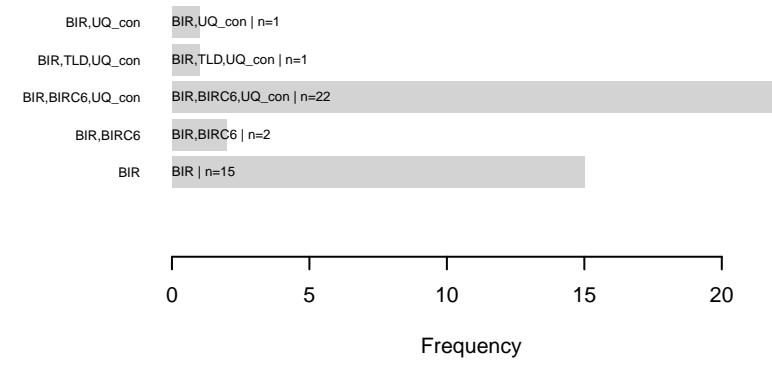
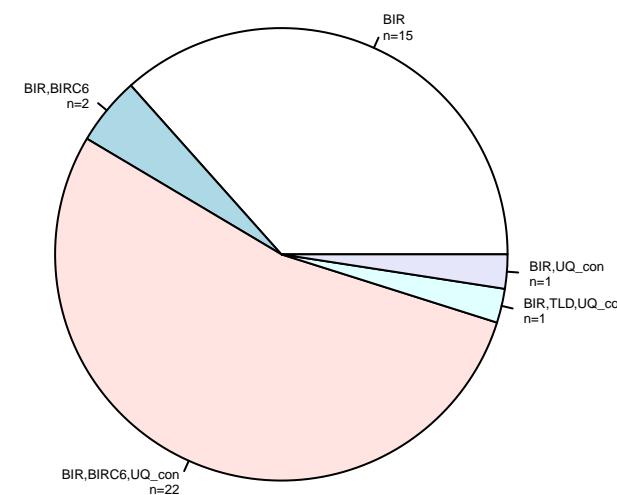
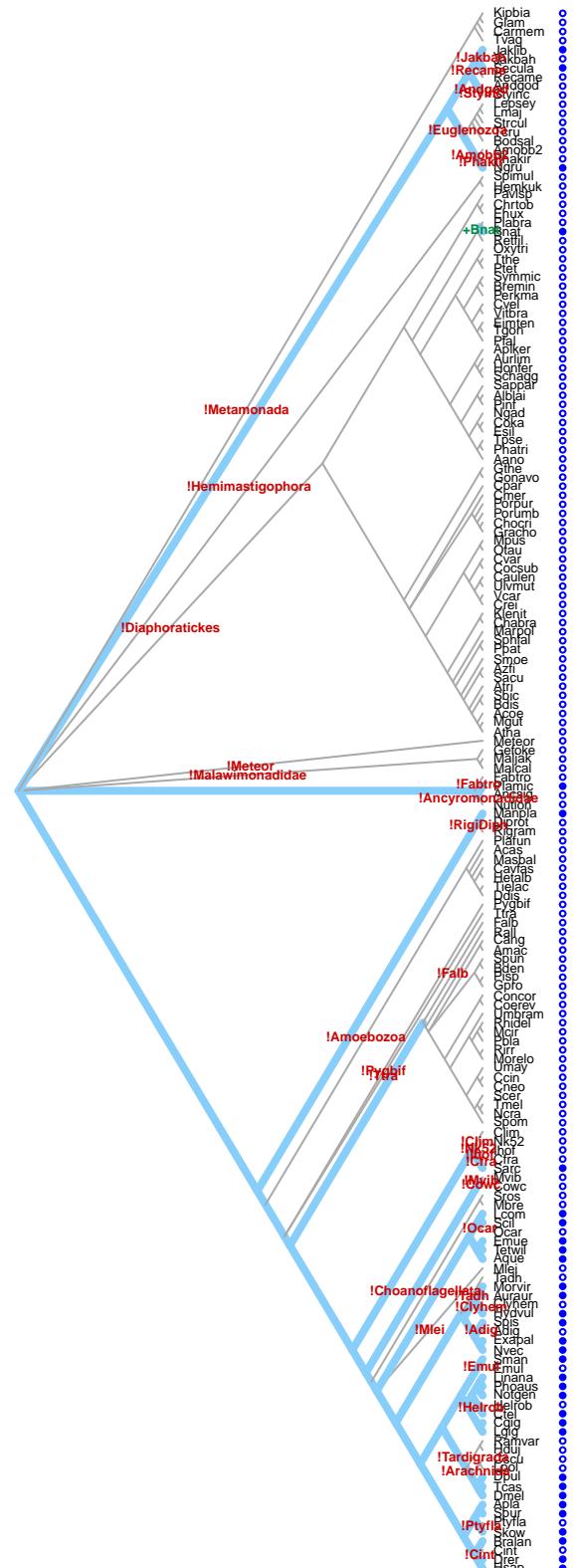
MT-A70,BIR	MT-A70,BIR n=1
Exo_endo_phos_2 RVT_1,BIR	Exo_endo_phos_2 RVT_1,BIR n=1
BIR,DUF2358	BIR,DUF2358 n=1
BIR	BIR n=69

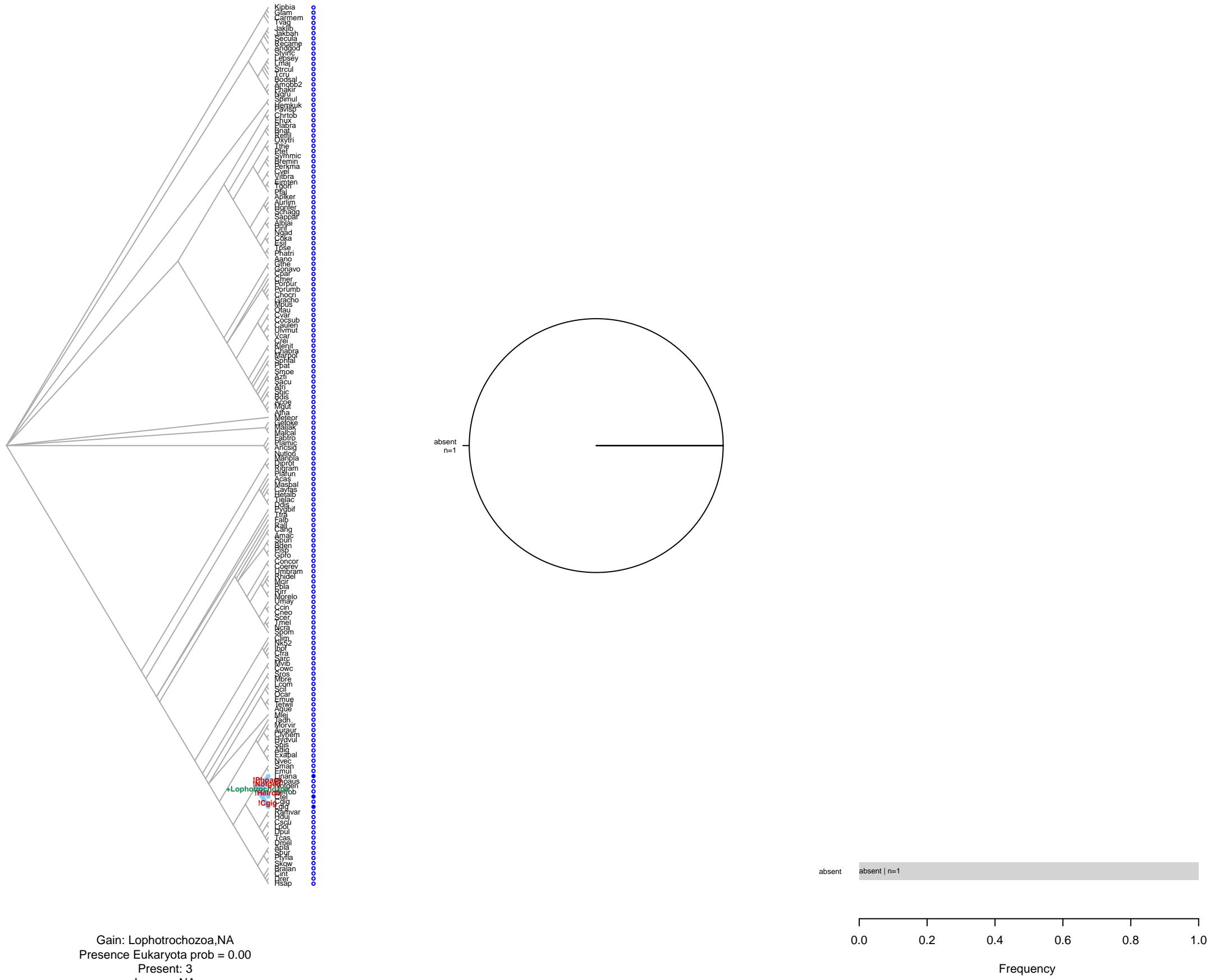


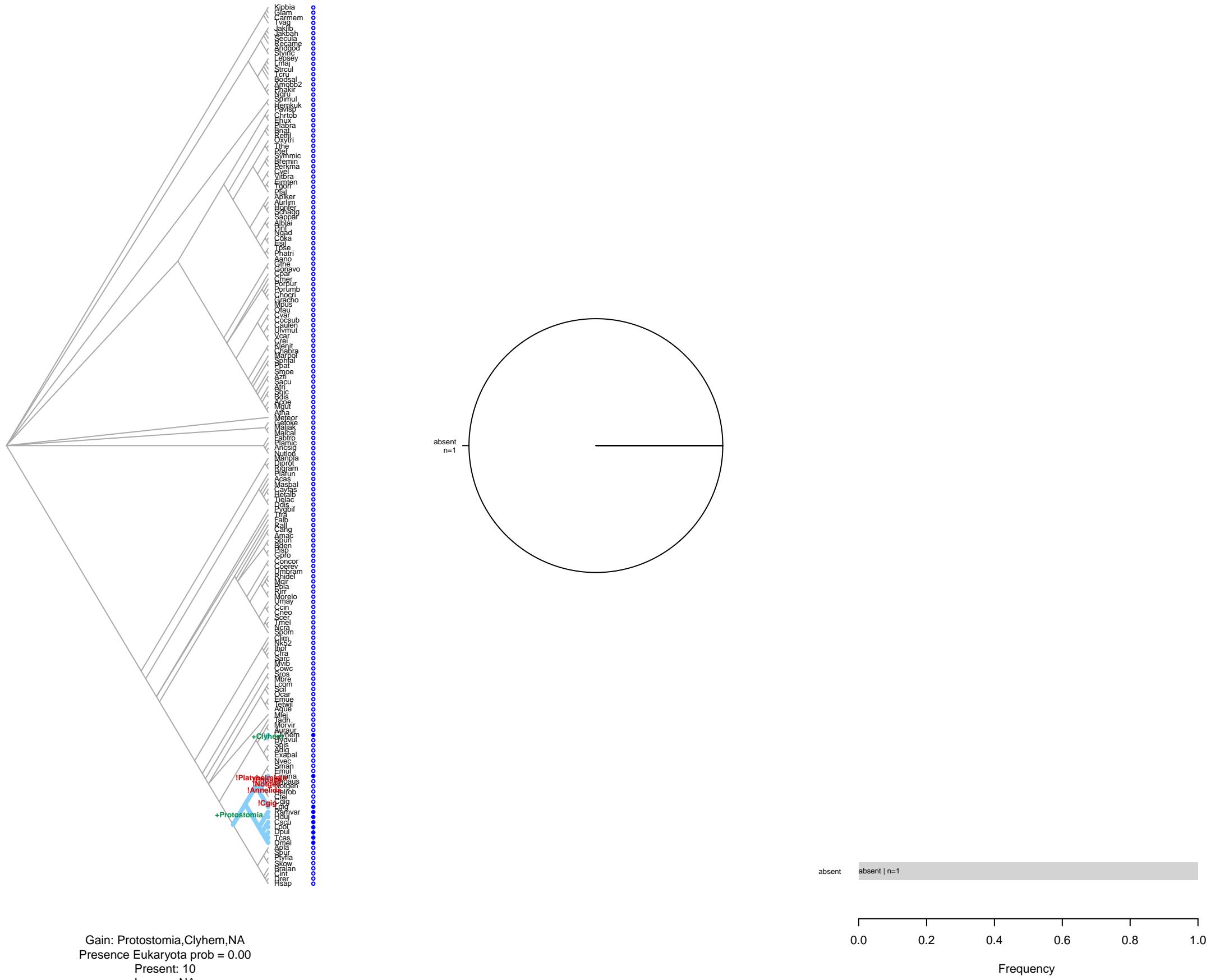
BIR.HG1.1
RC3/BIRC6/BIRC7/NAIP/XIAP

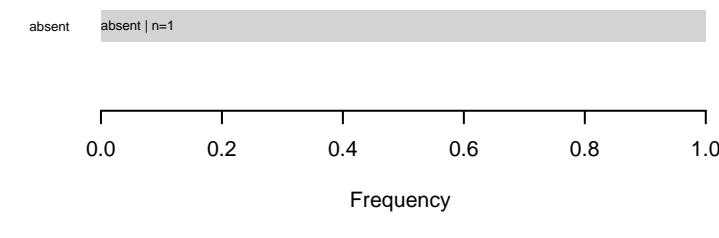
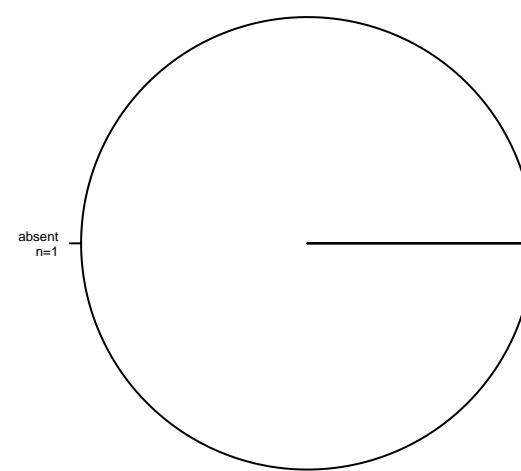
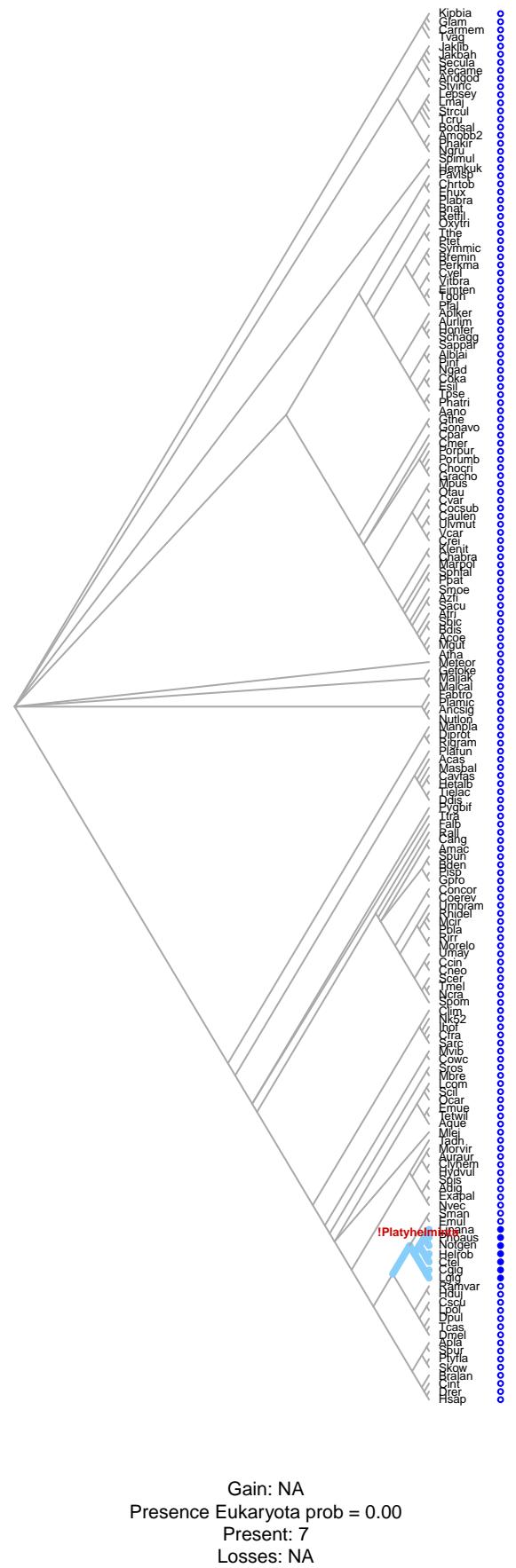
like: BIRC2/BIRC3/BIRC6/BIRC7/NAIP/XIAP

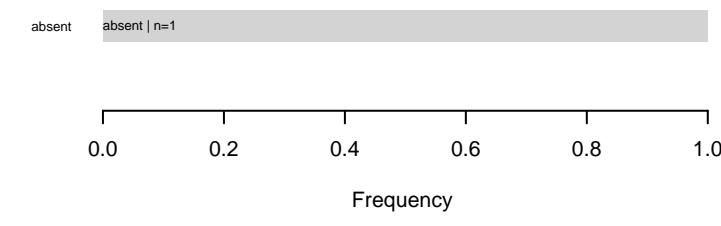
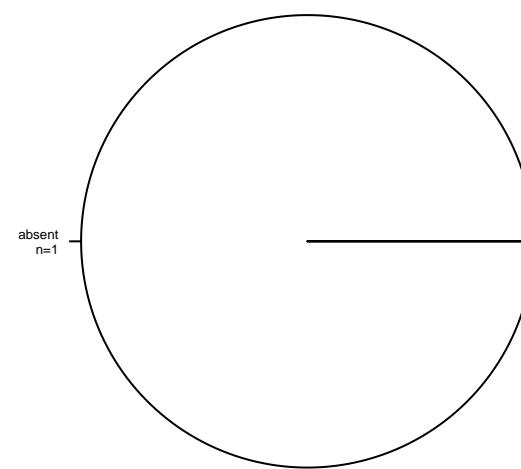
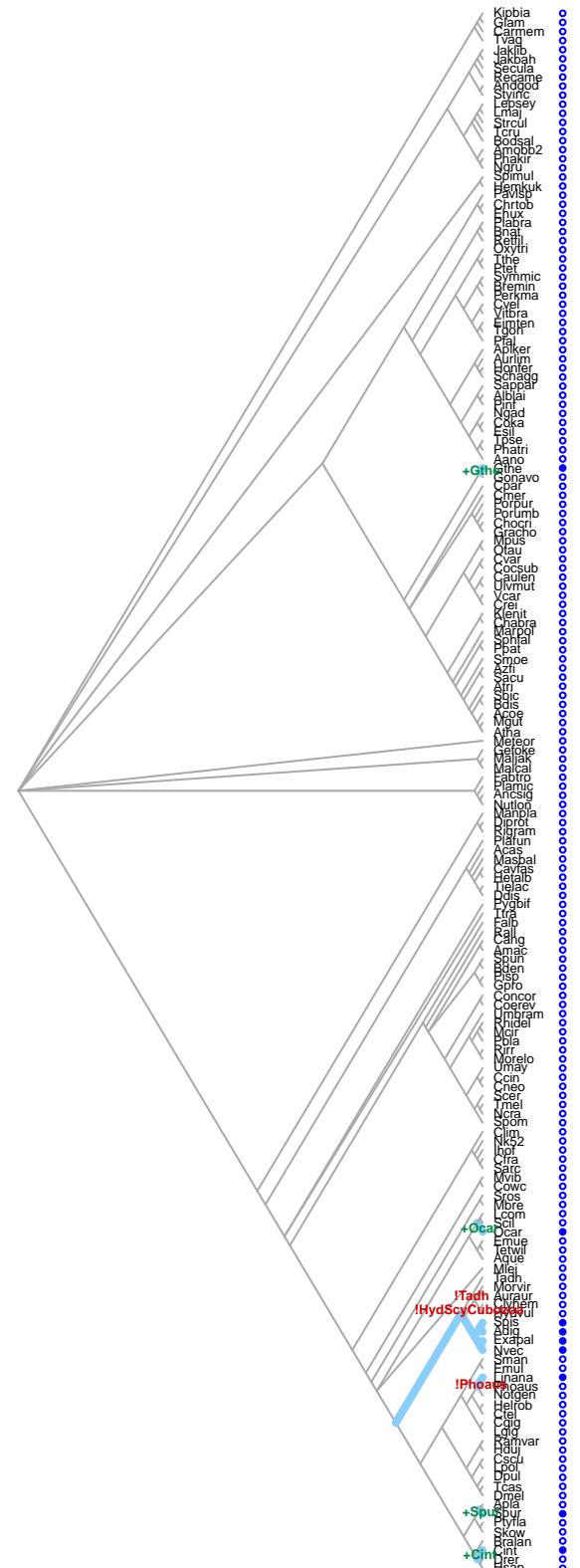


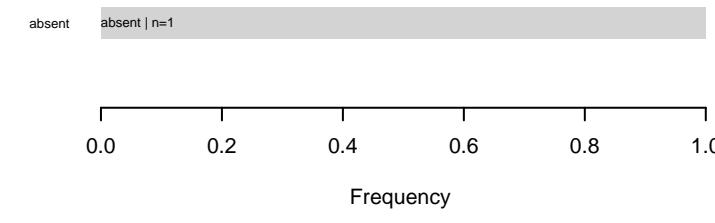
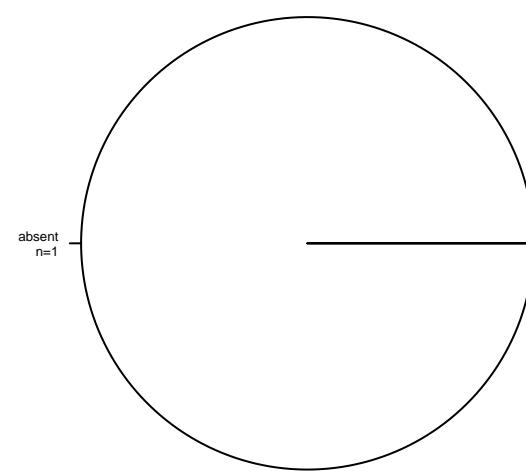
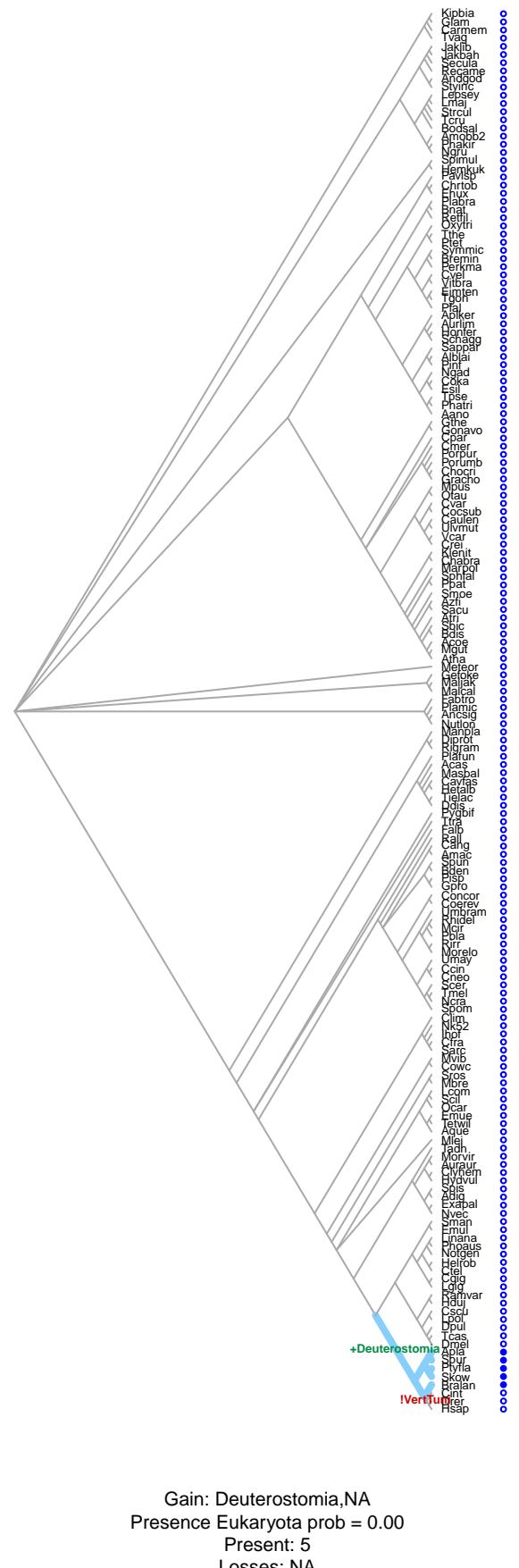


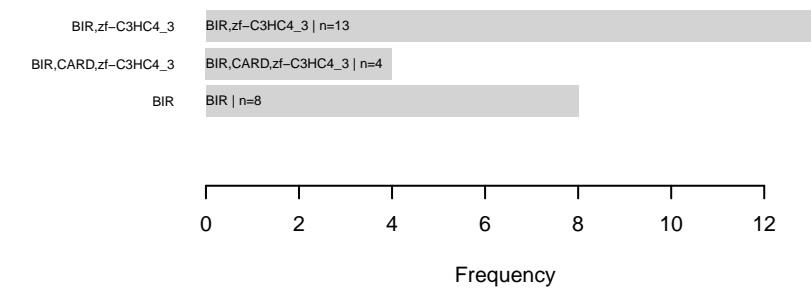
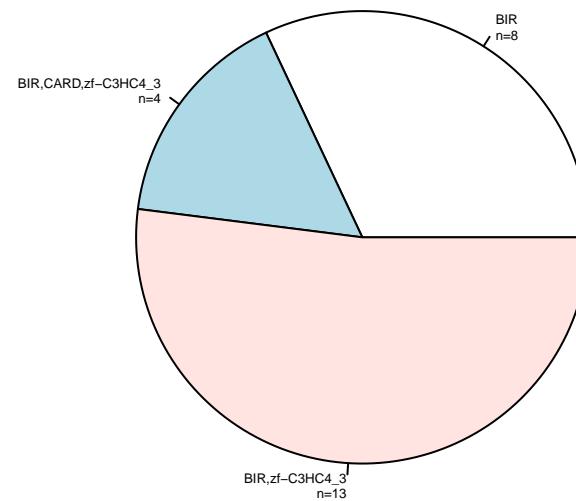
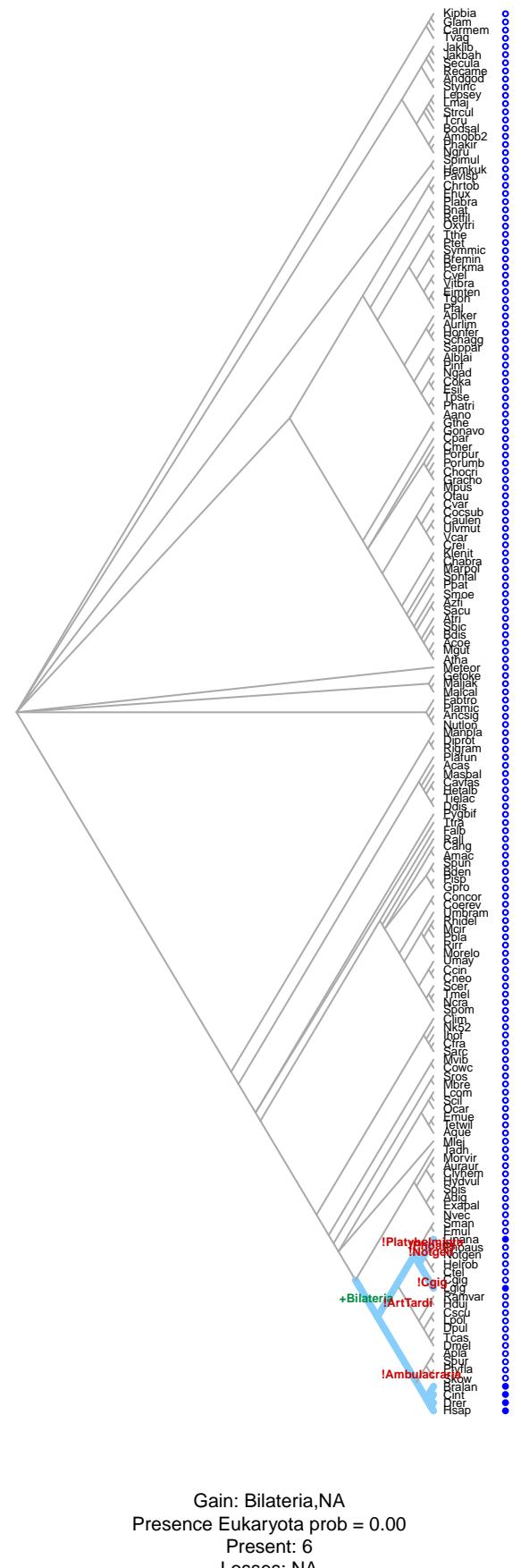


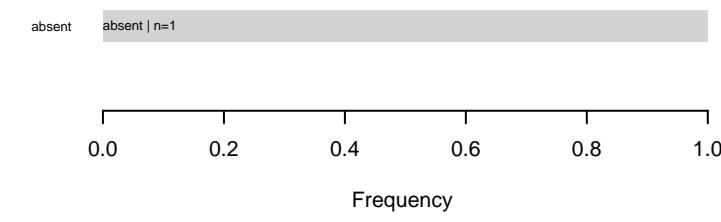
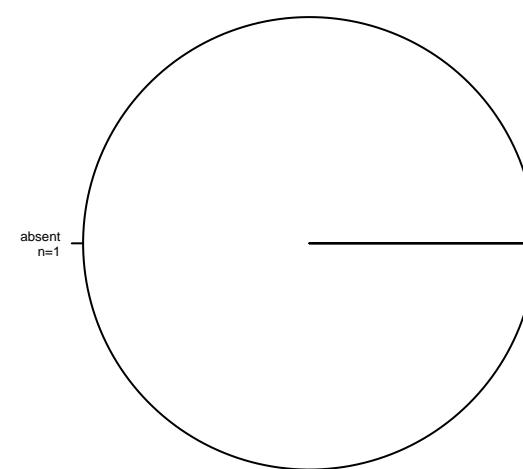
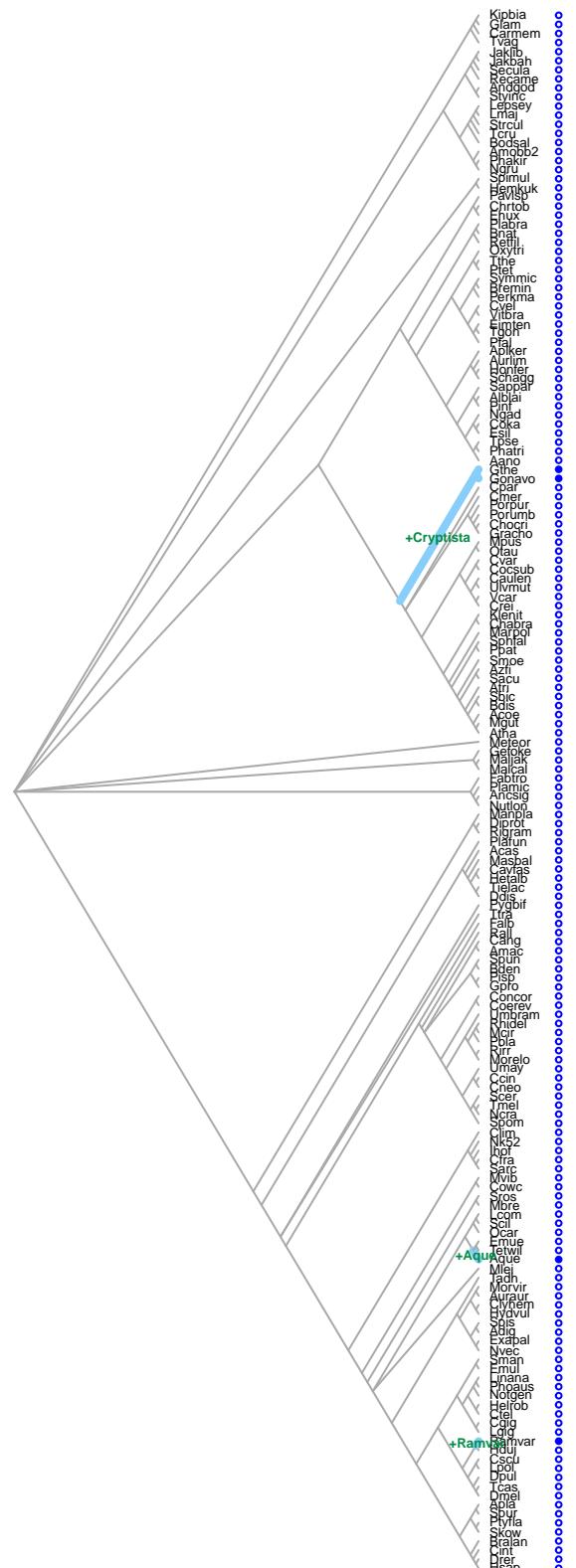


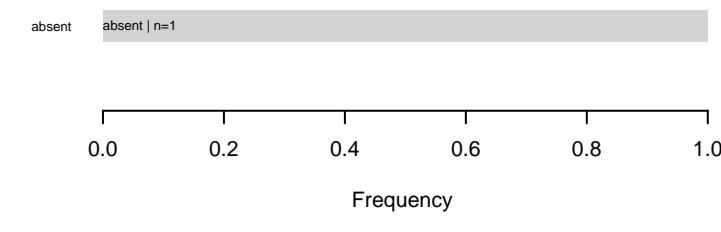
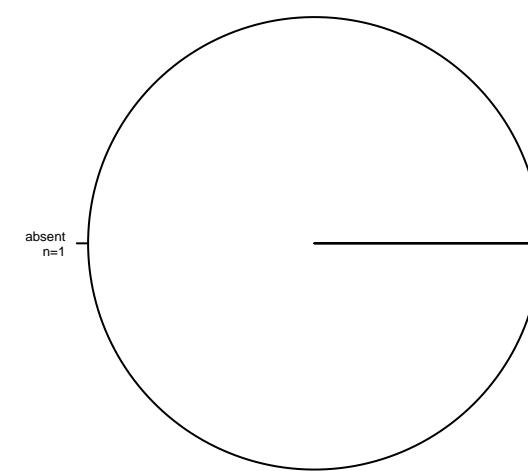
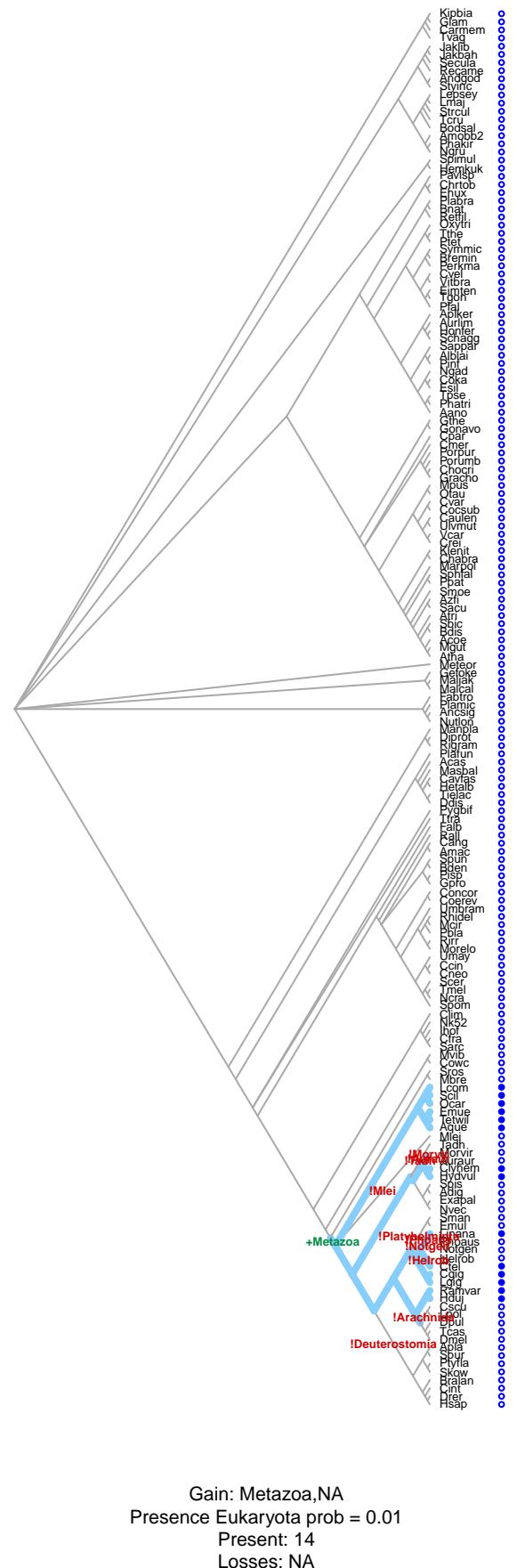




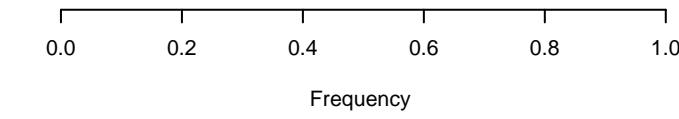
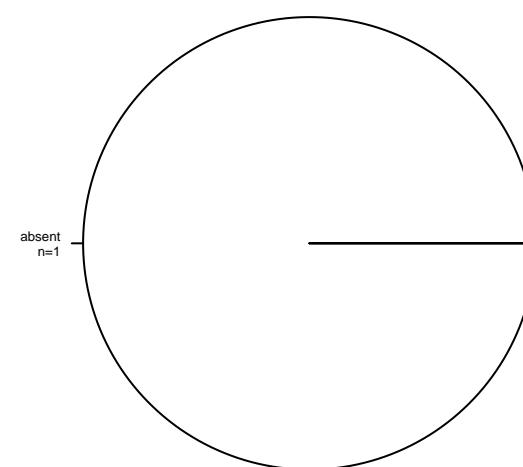
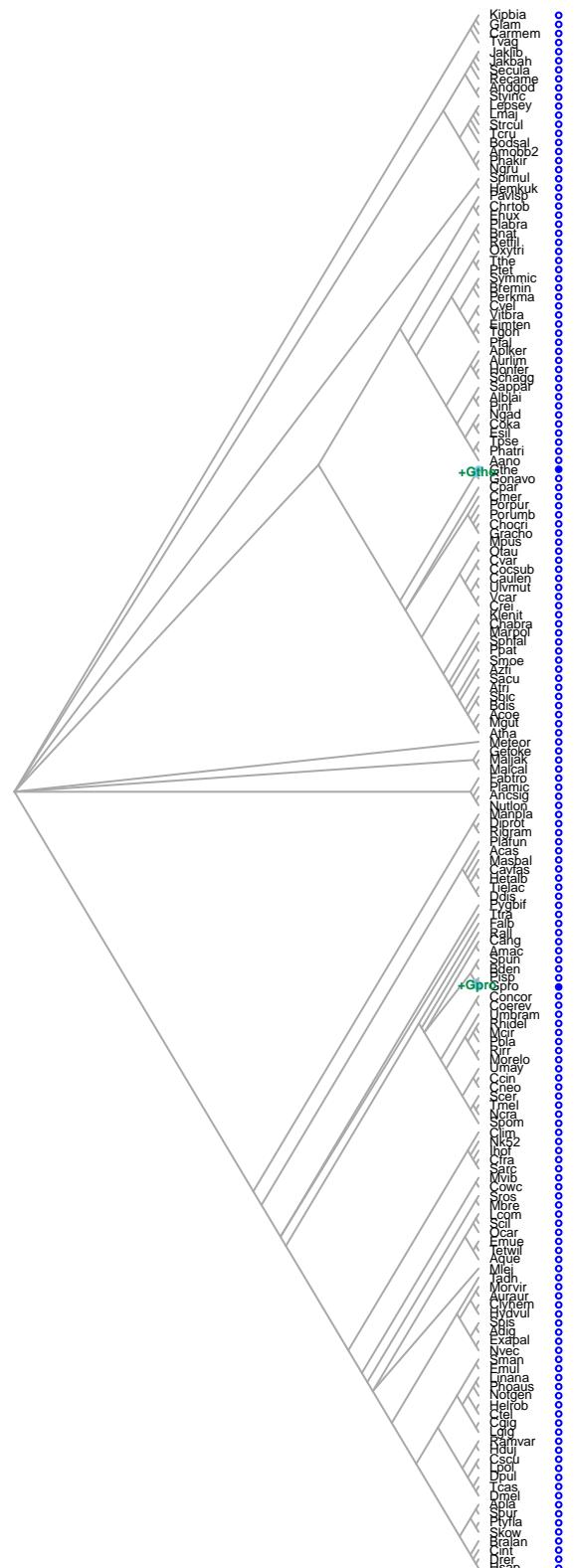


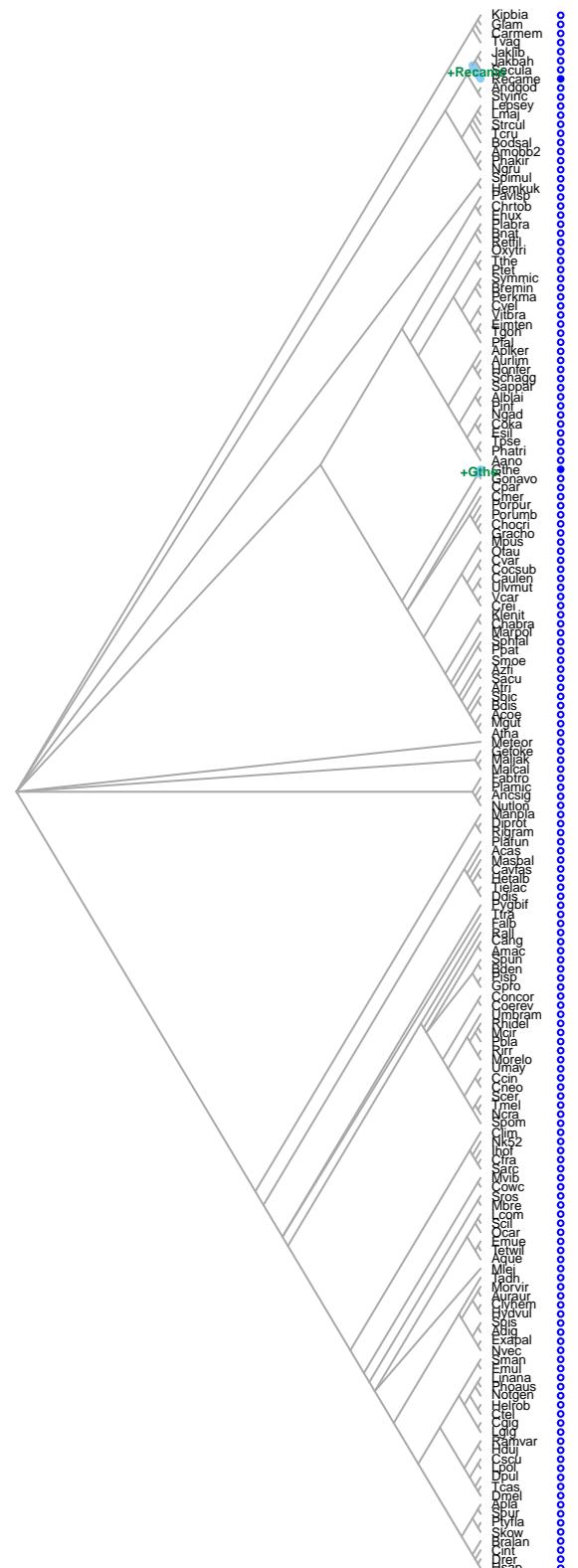




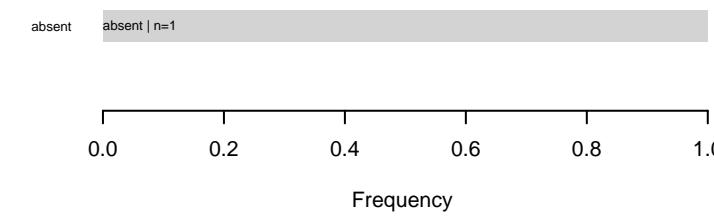
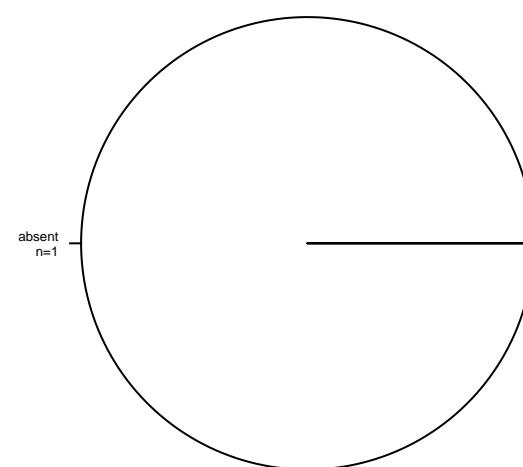


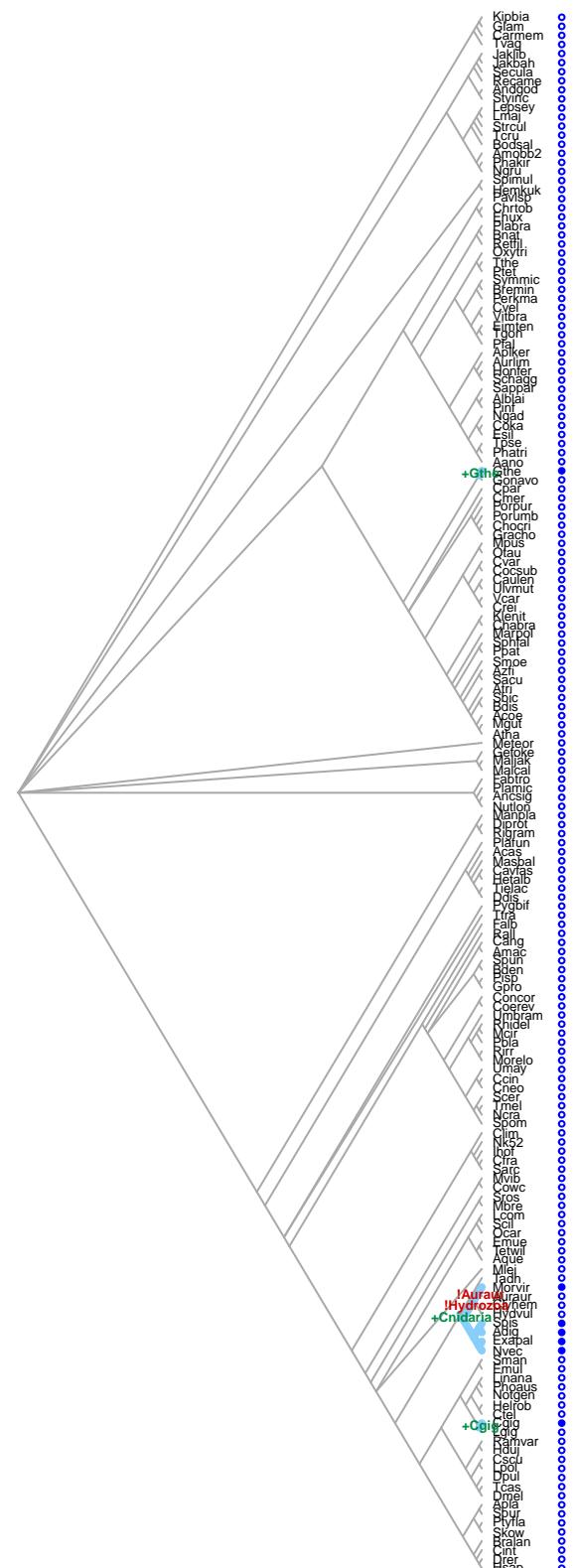
BIR.HG1.4
like:BIRC5





Gain: Gthe, Recame, NA
Presence Eukaryota prob = 0.02
Present: 2
Losses: NA



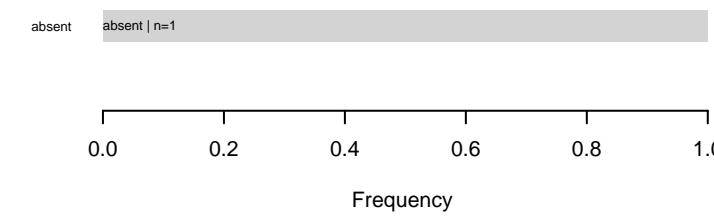
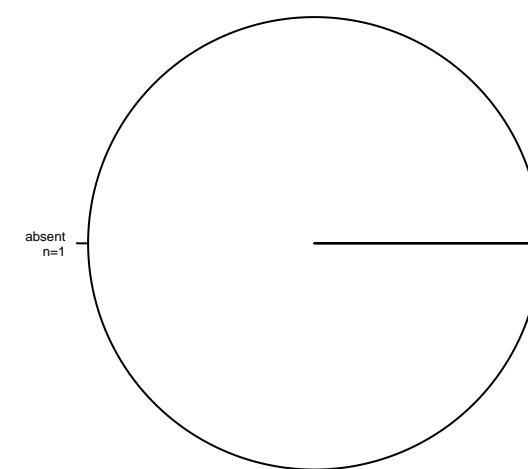


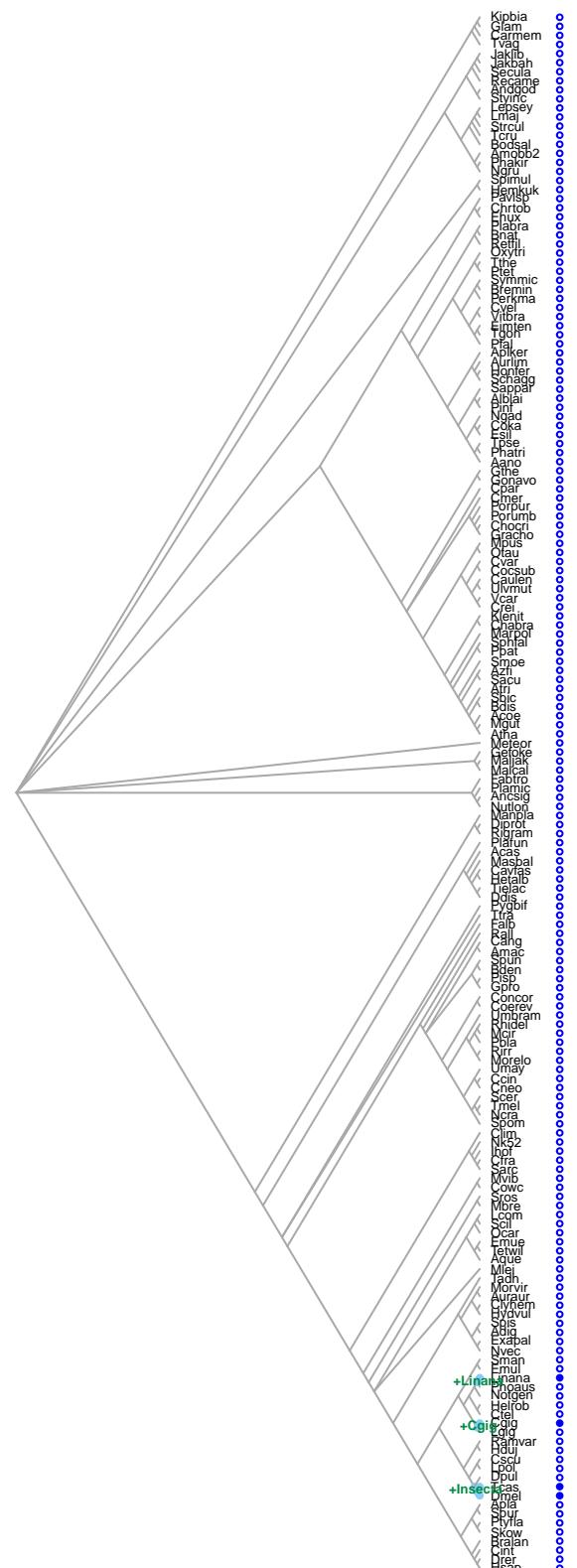
Gain: Cgig,Cnidaria,Gthe,NA

Presence Eukaryota prob = 0.00

Present: 7

Losses: NA



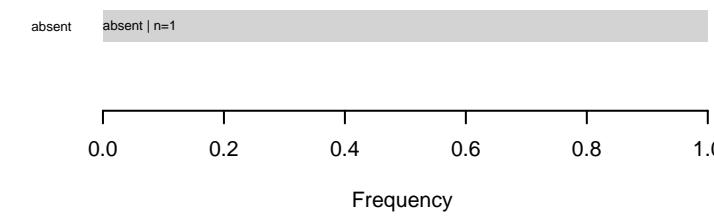
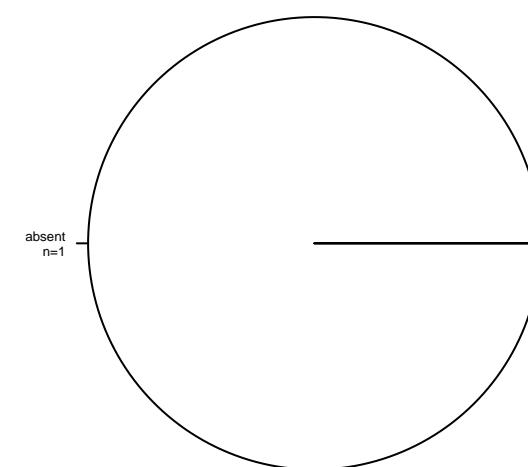


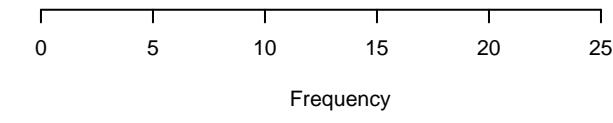
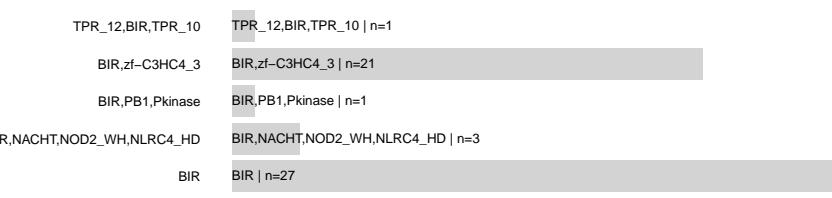
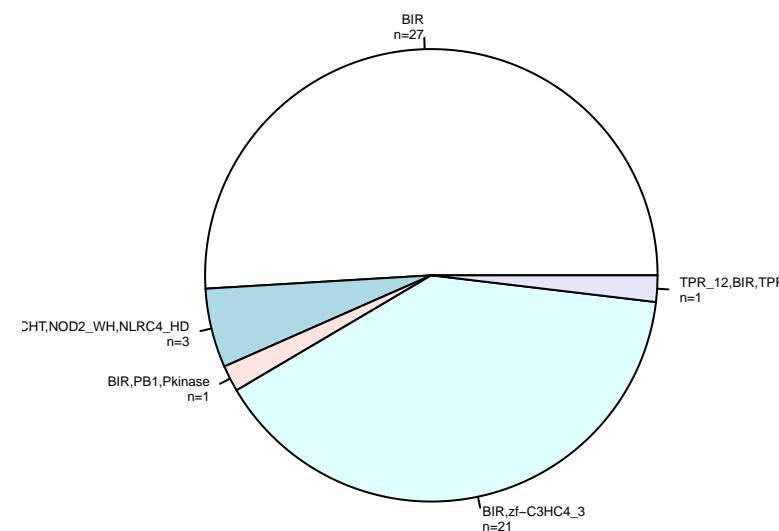
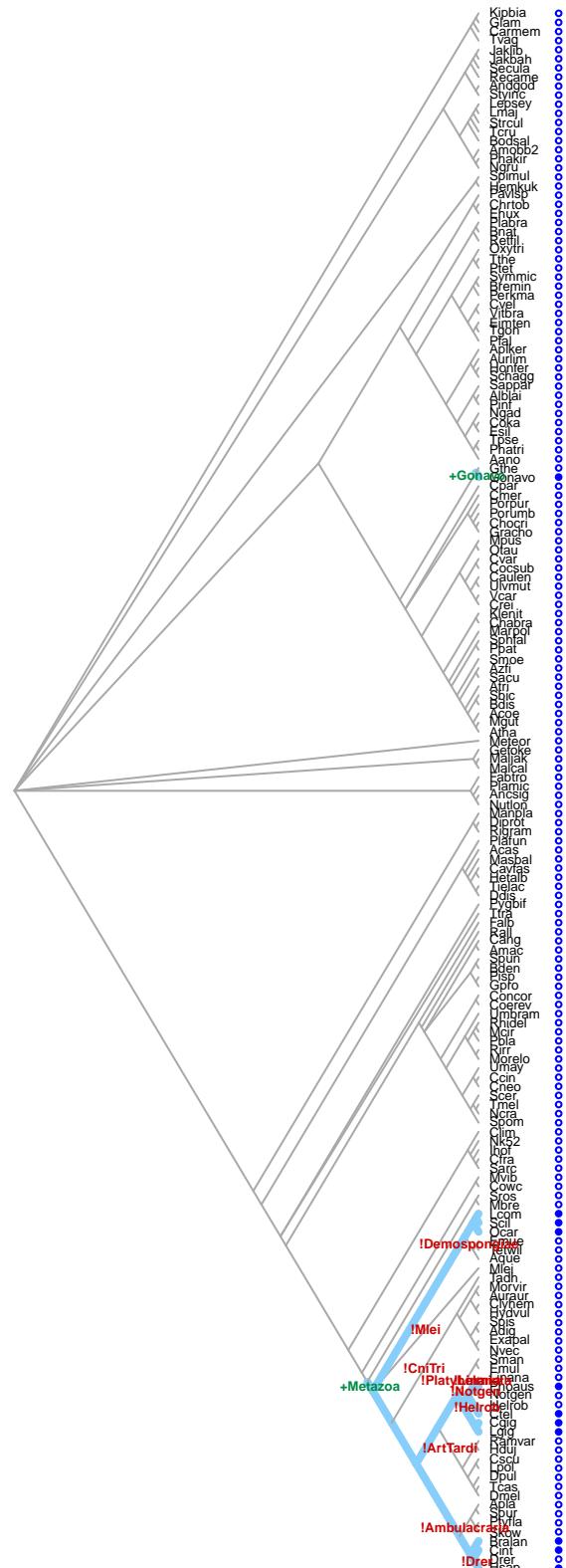
Gain: Insecta,Cgig,Linana,NA

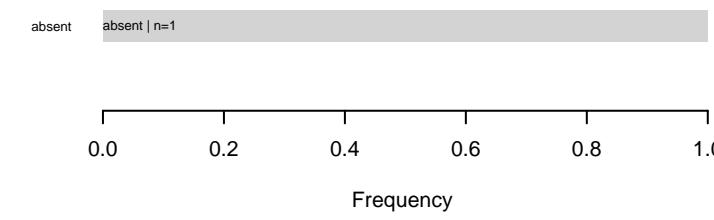
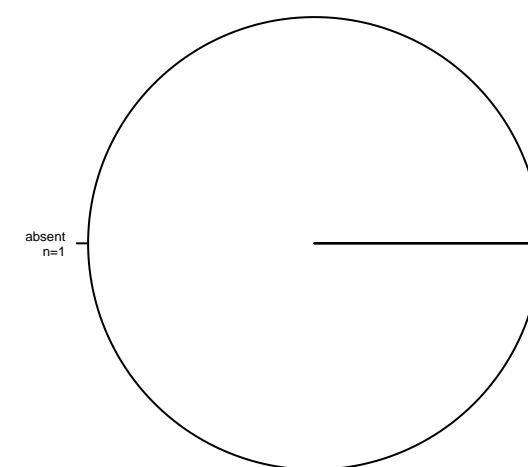
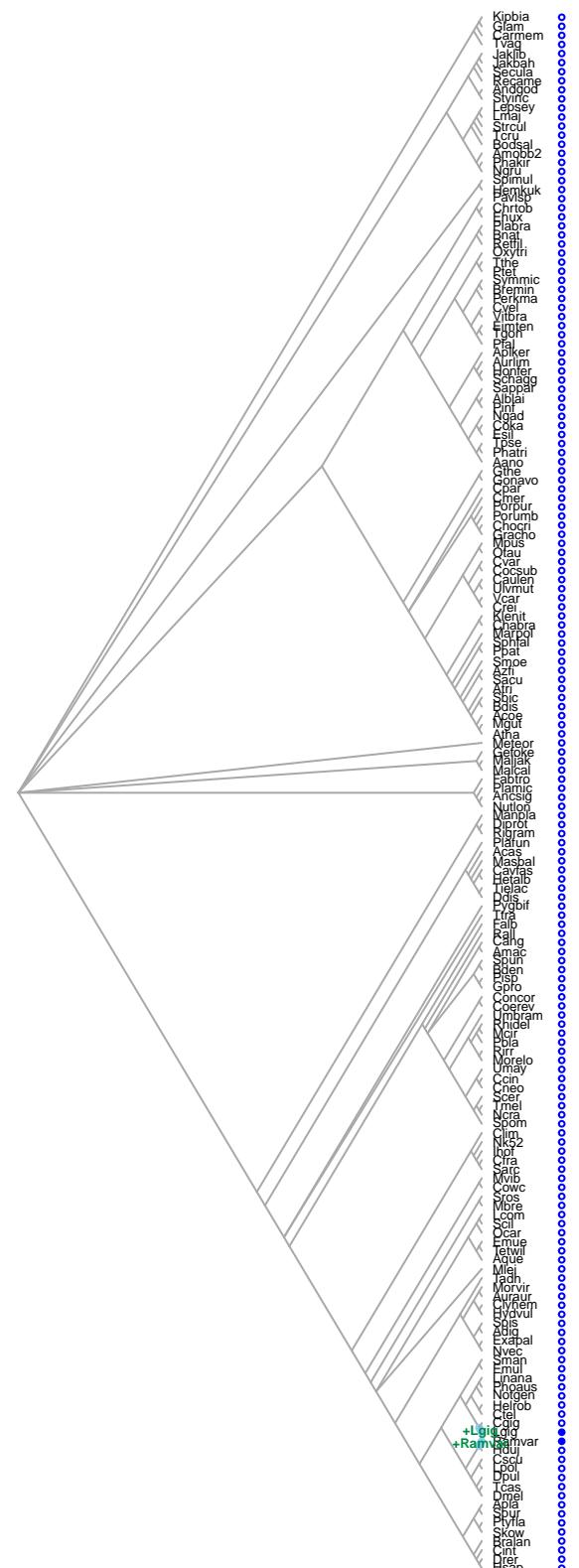
Presence Eukaryota prob = 0.00

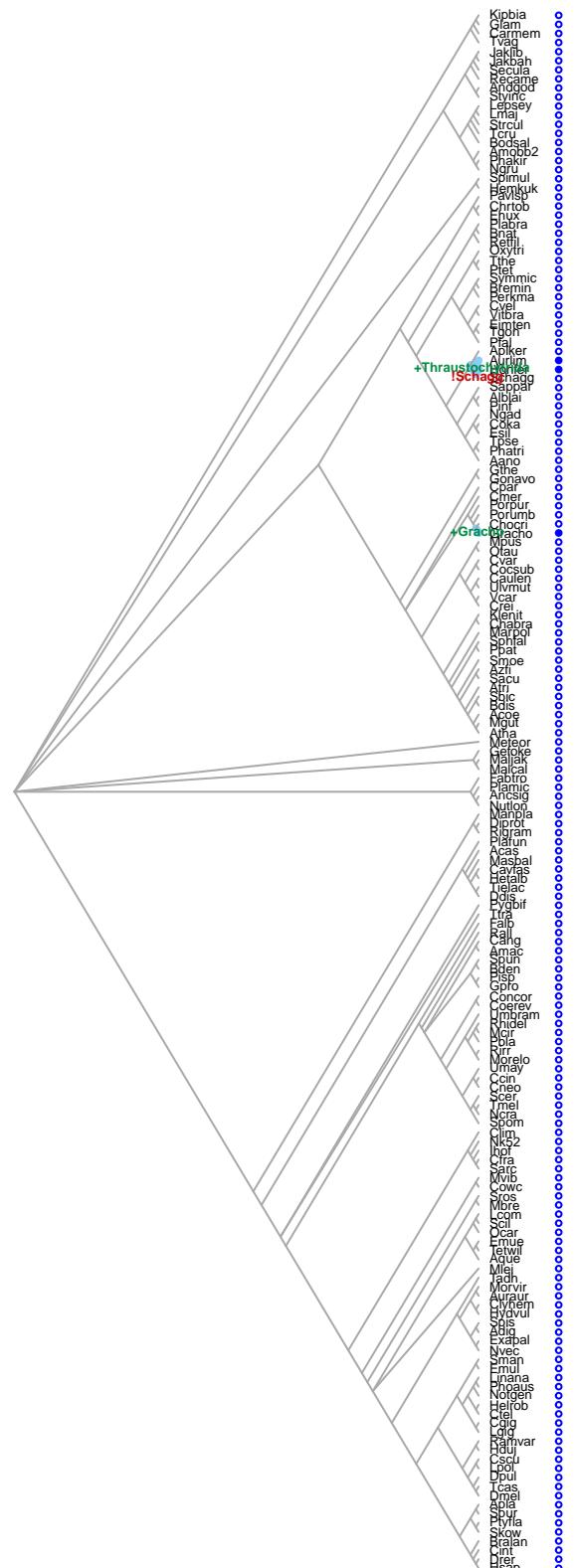
Present: 4

Losses: NA







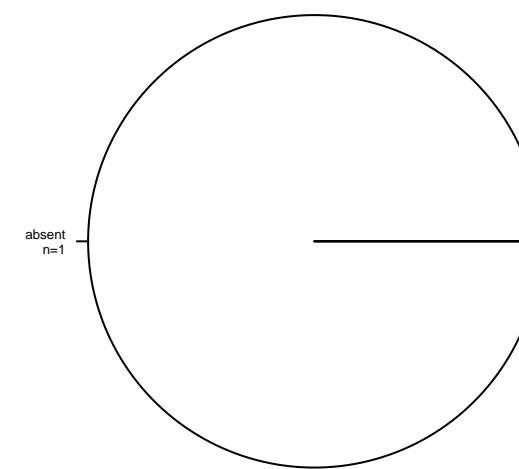


Gain: Gracho,Thraustochytrida,NA

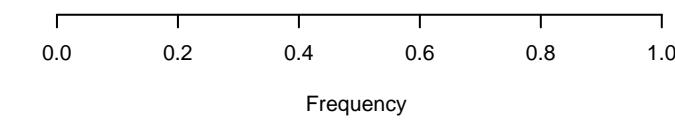
Presence Eukaryota prob = 0.00

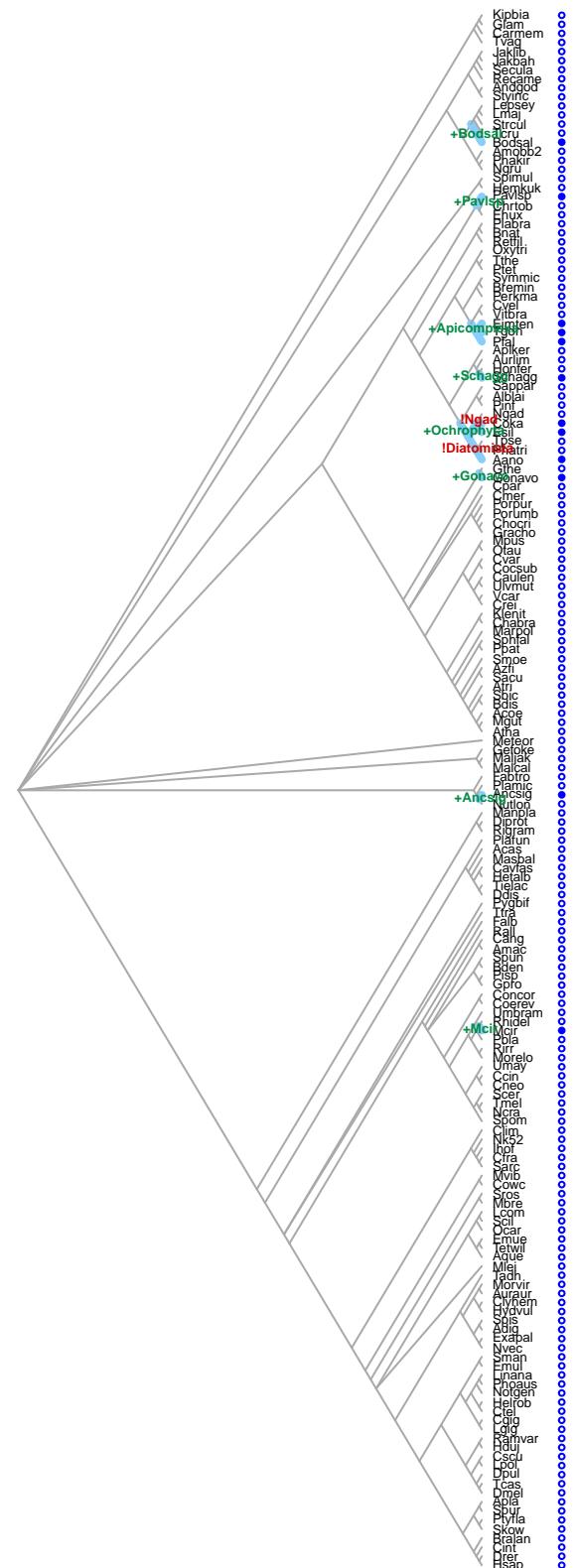
Present: 3

Losses: NA



absent
absent | n=1



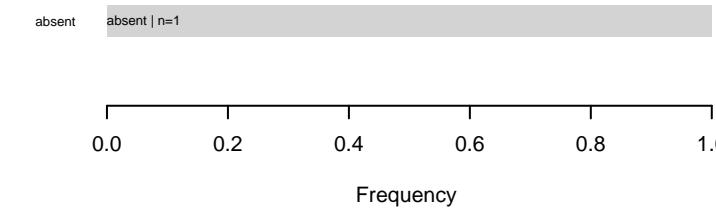
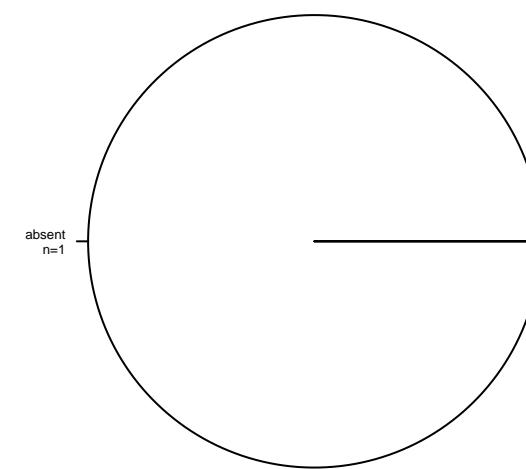


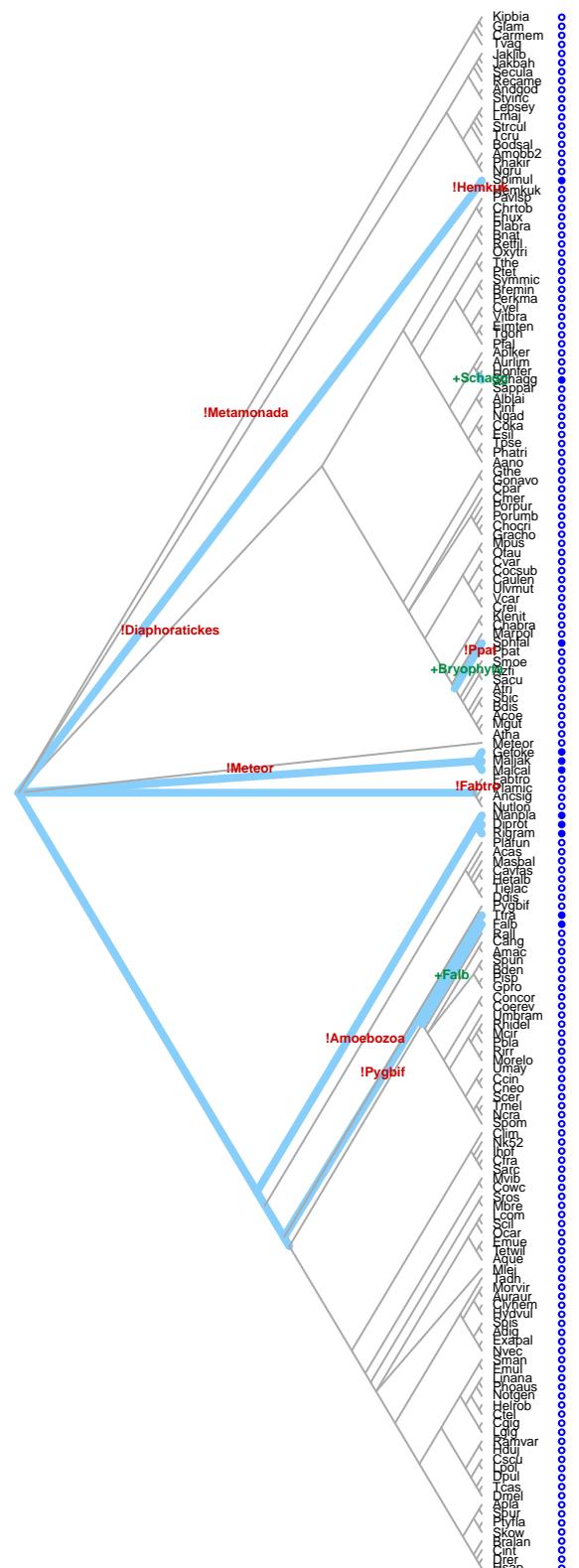
Gain: Mcir, Ancsig, Gonavo, Ochrophyta, Schagg, Apicomplexa, Pavlsp, Bodsal, N.

Presence Eukaryota prob = 0.05

Present: 12

Losses: NA



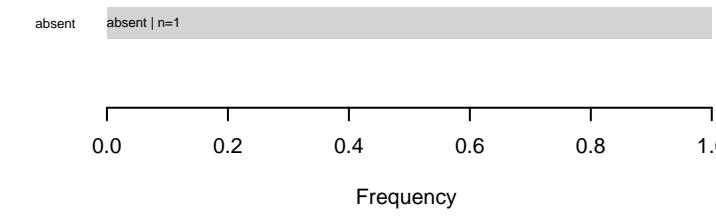
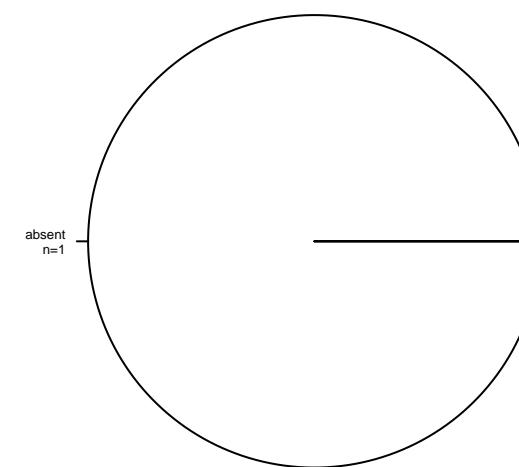


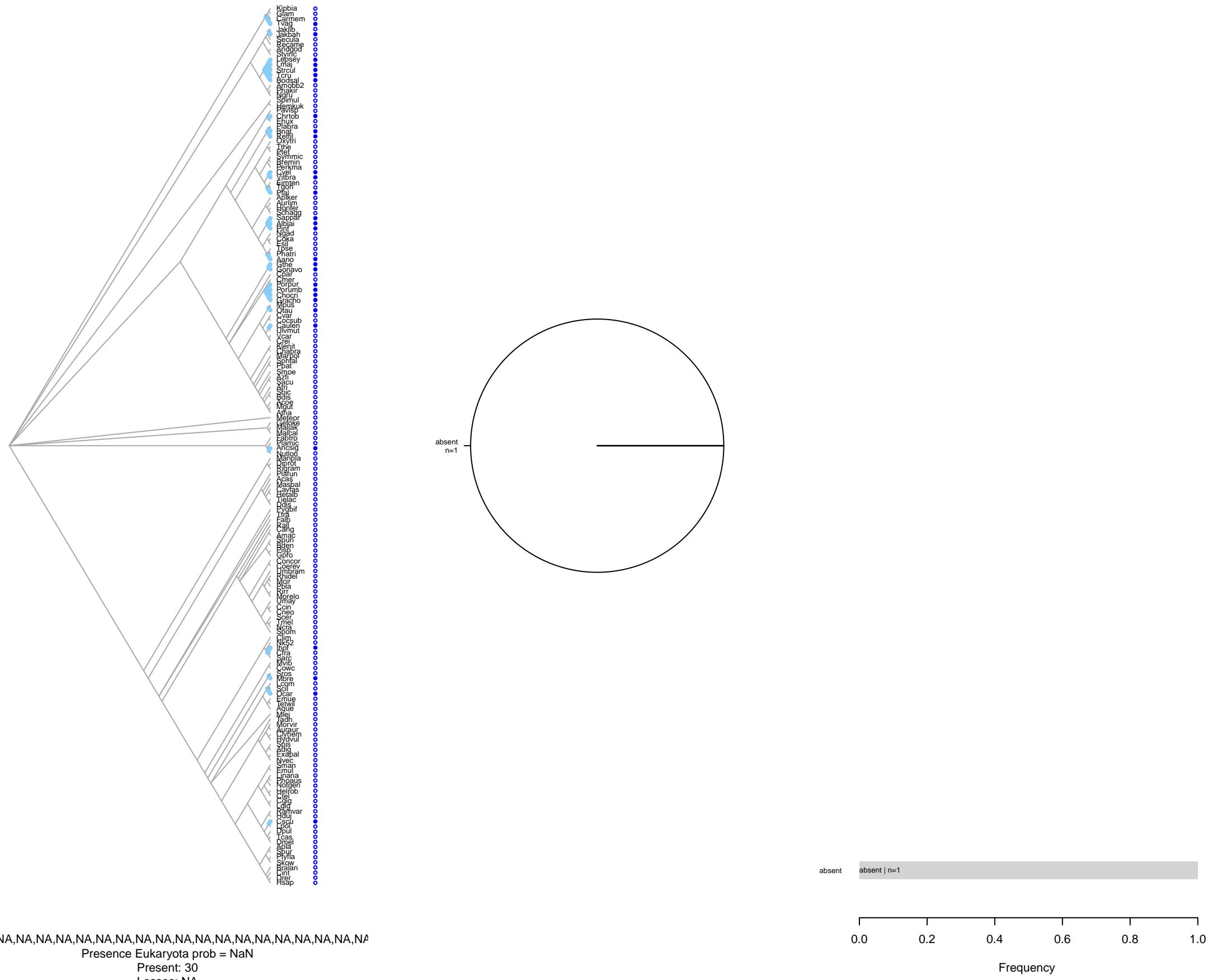
Gain: Falb,Bryophyta,Schagg,NA

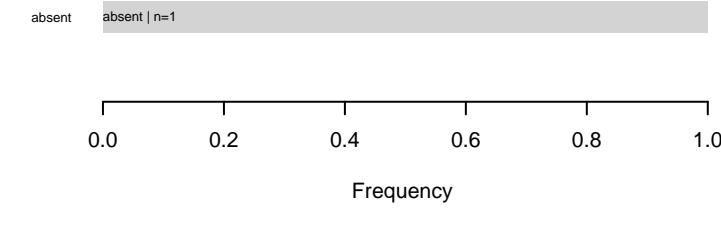
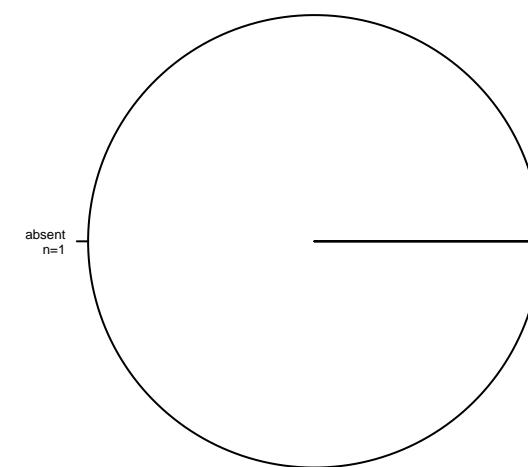
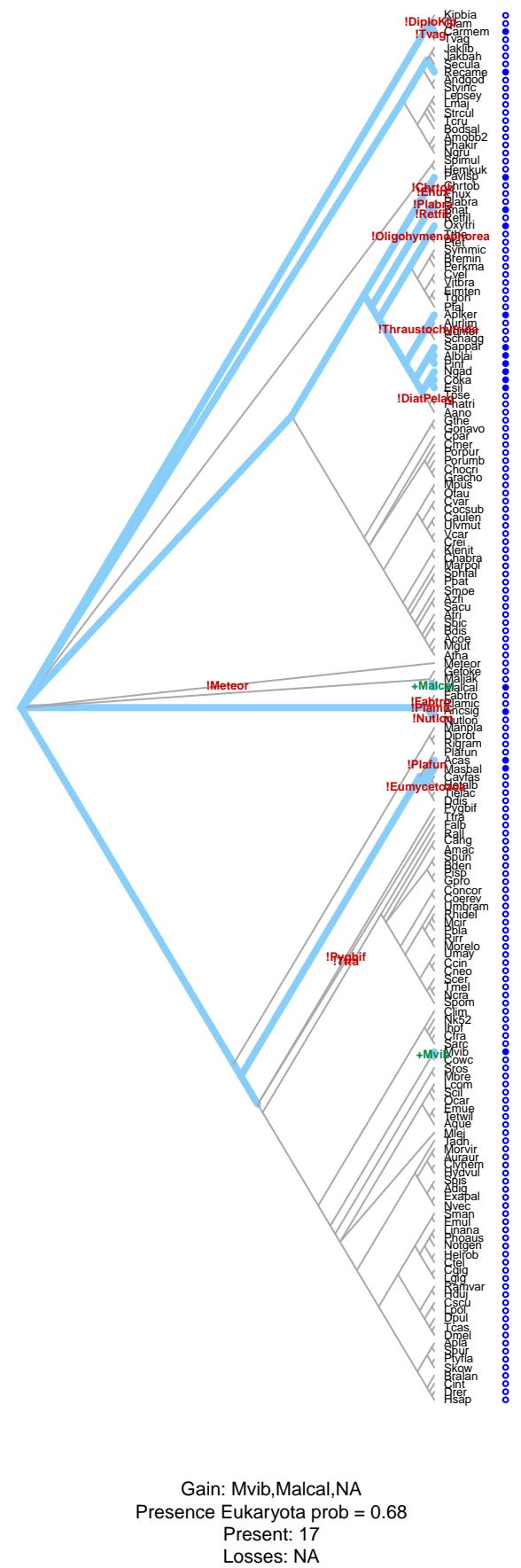
Presence Eukaryota prob = 0.97

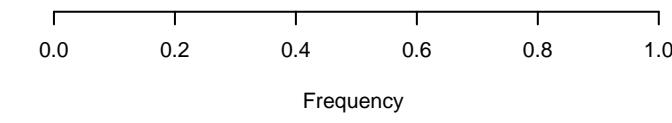
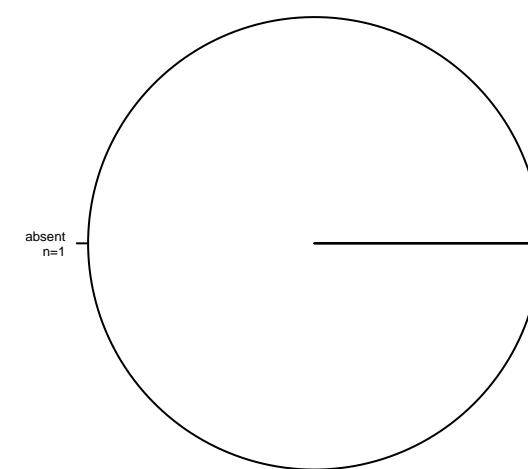
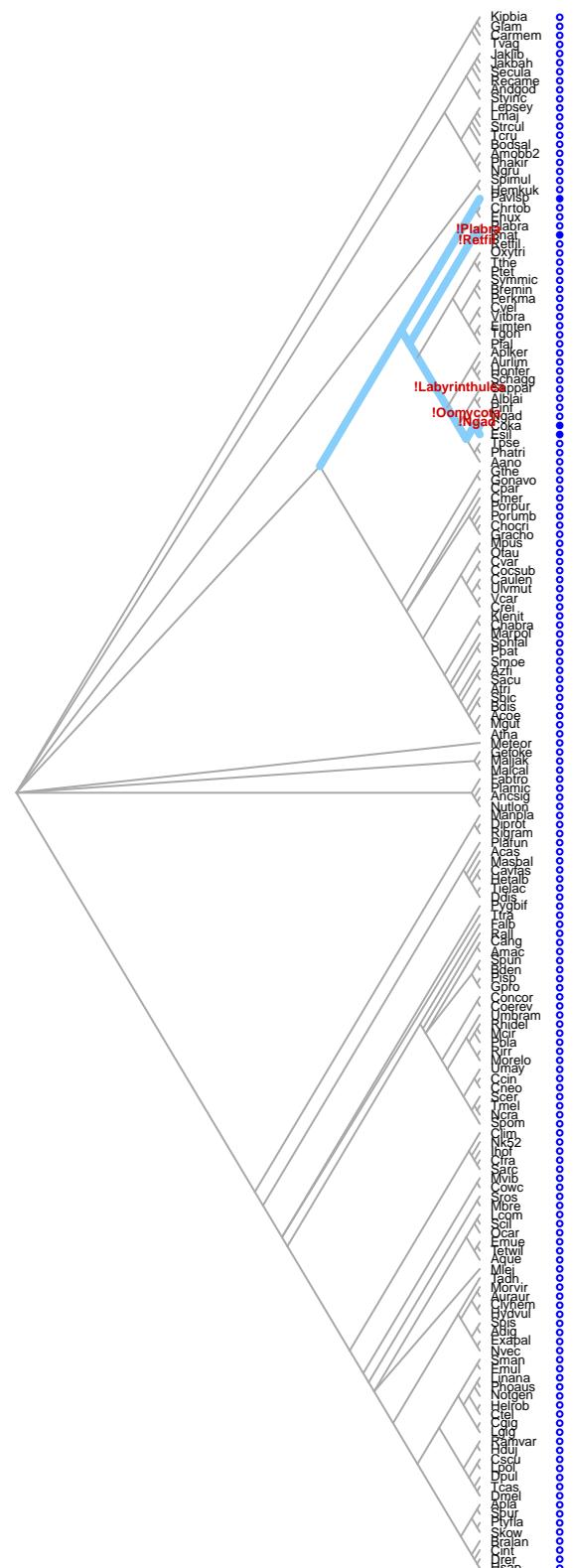
Present: 11

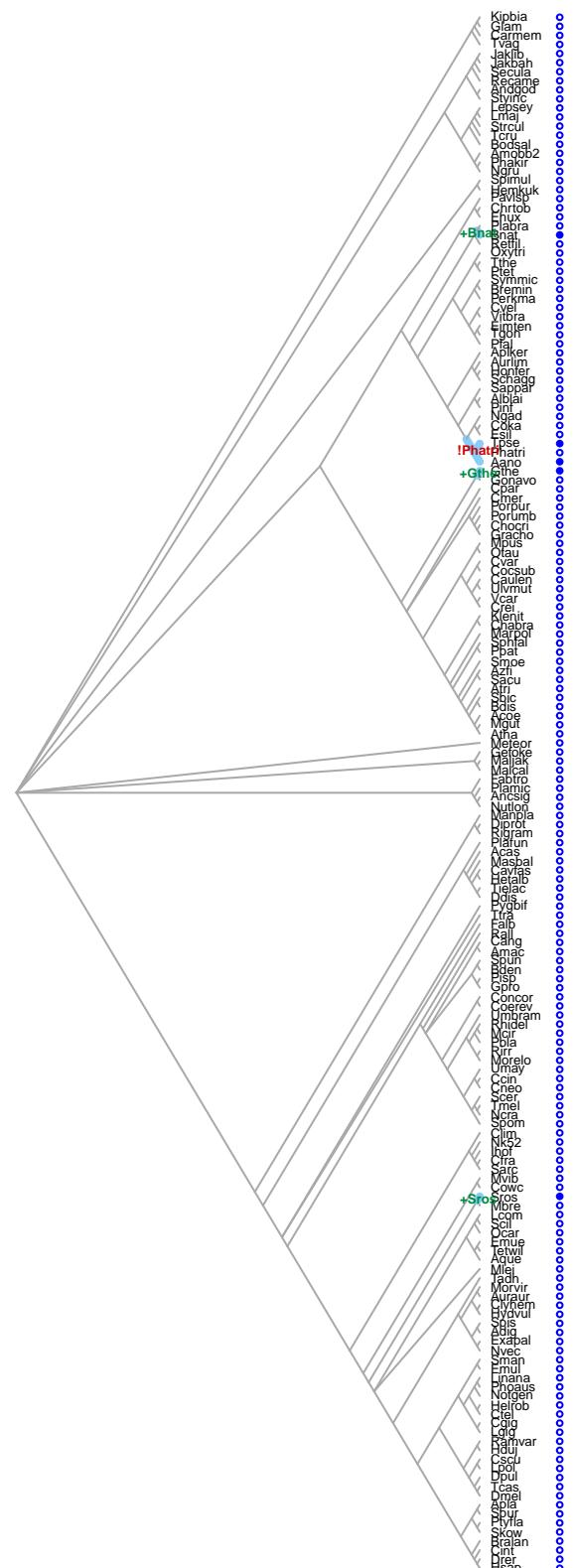
Losses: NA



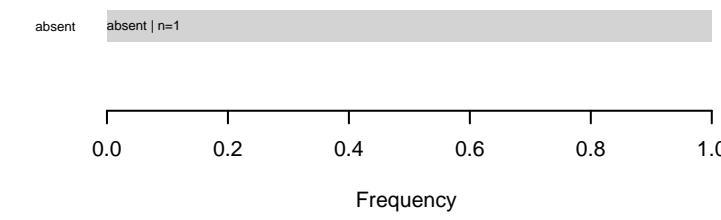
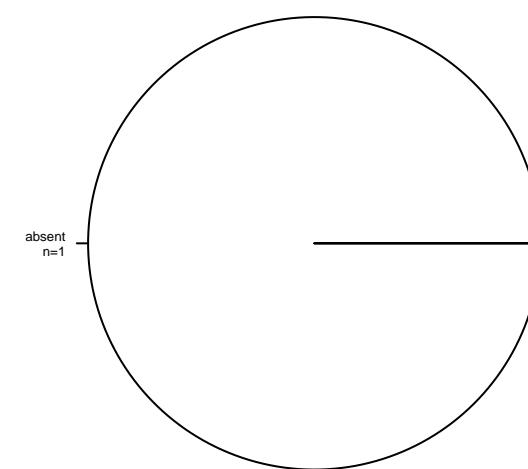


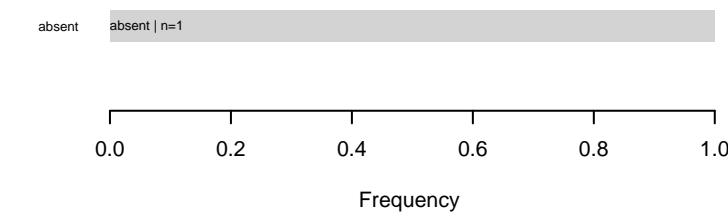
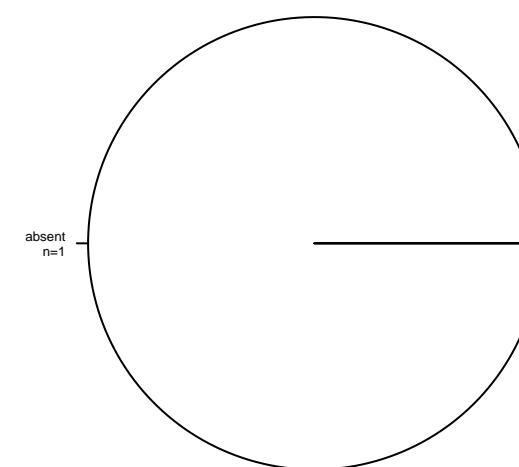
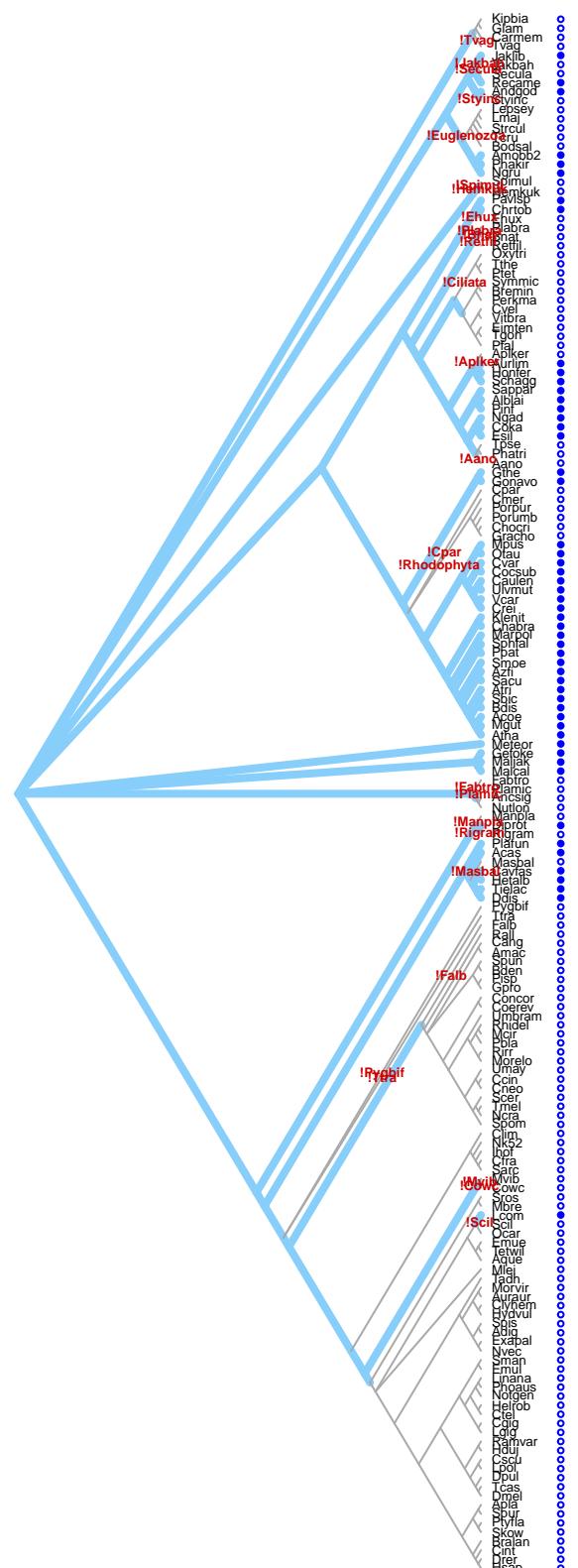


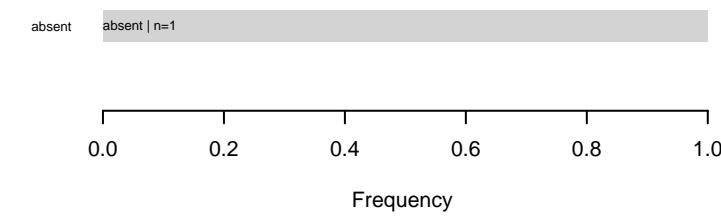
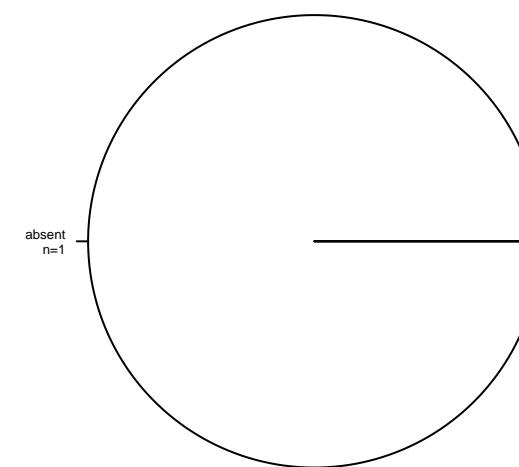
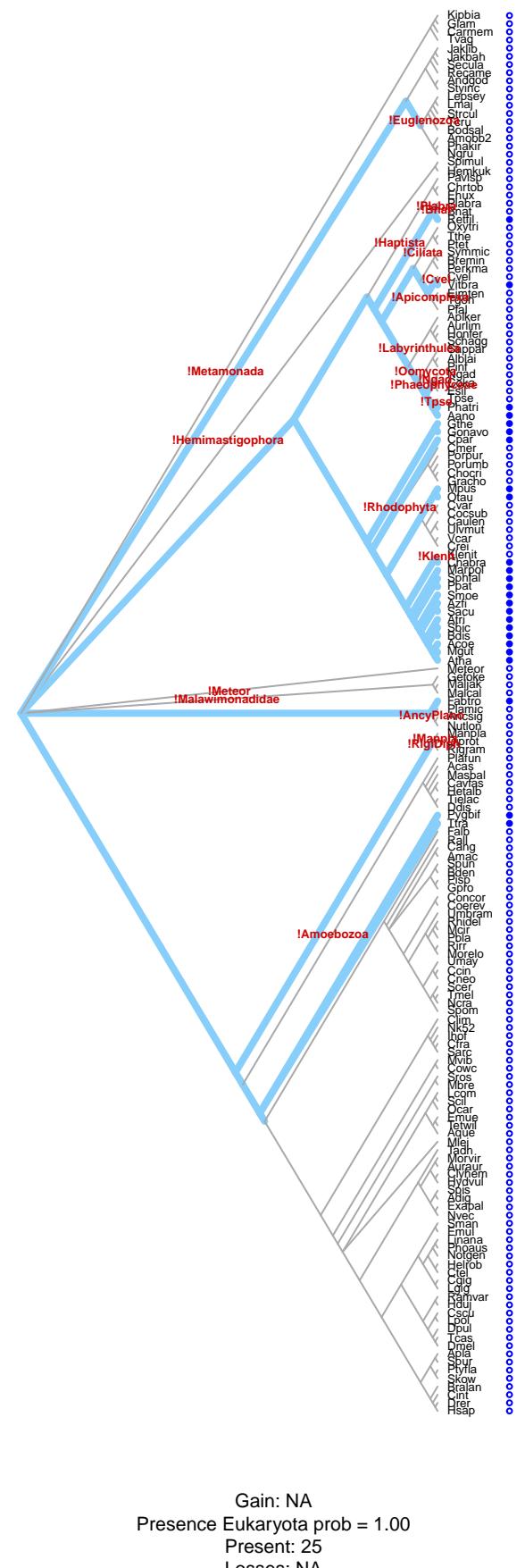


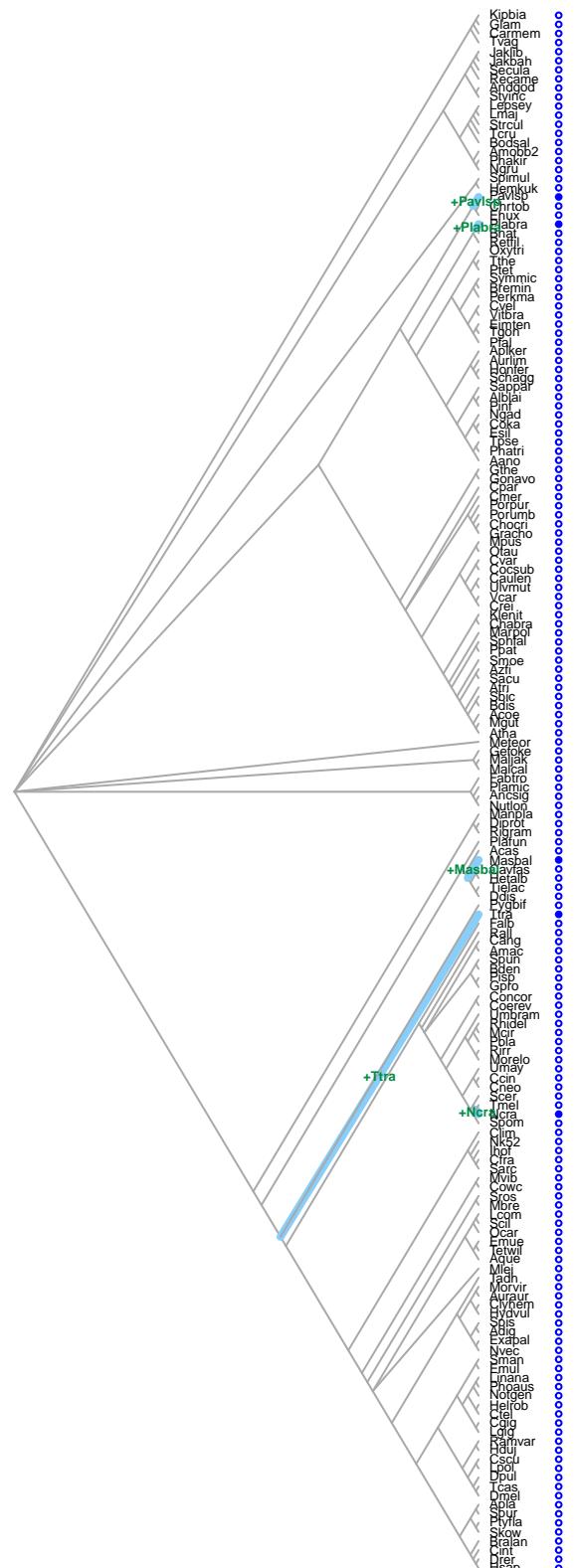


Gain: Sros,Gthe,Bnat,NA
Presence Eukaryota prob = 0.14
Present: 5
Losses: NA







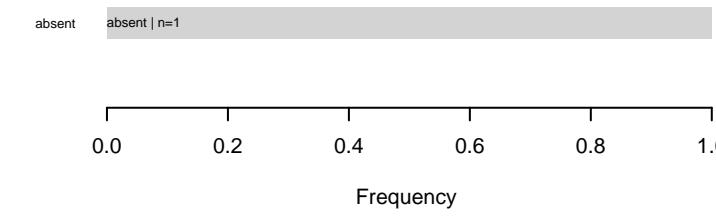
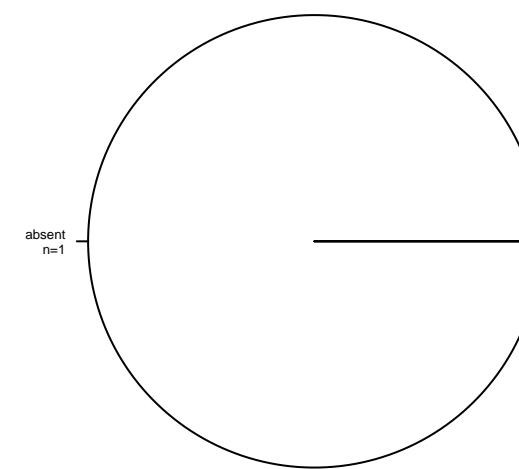


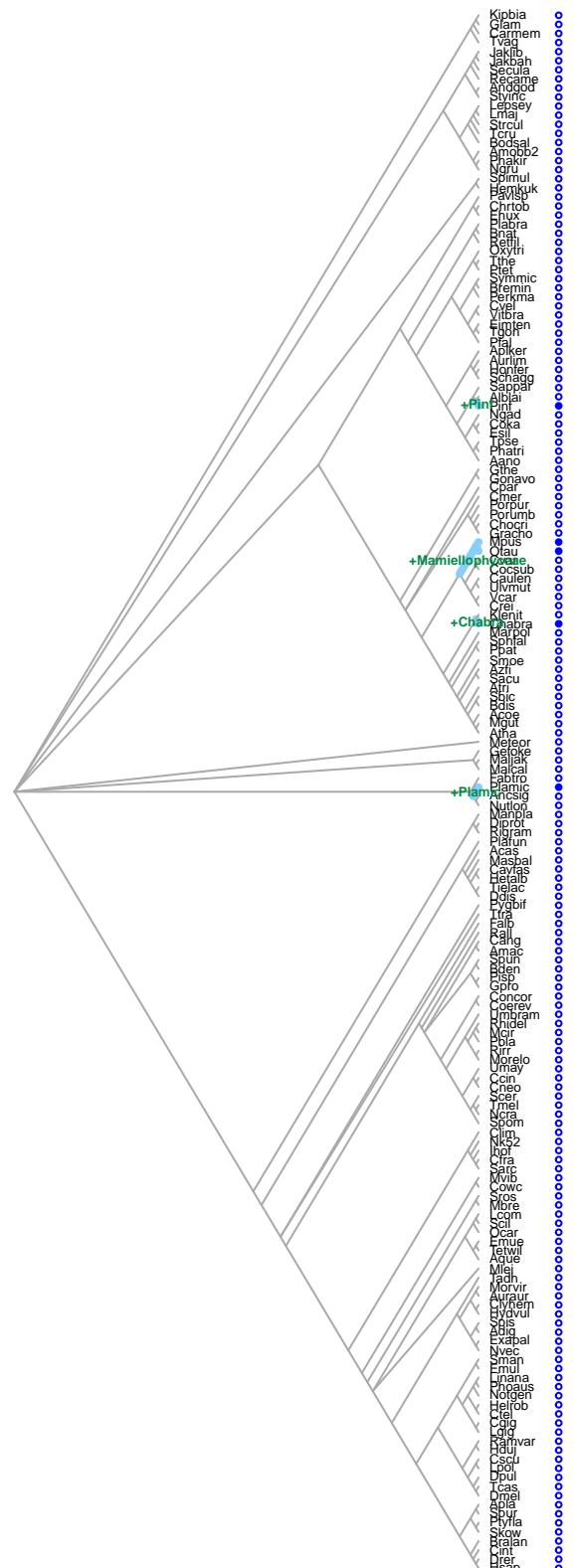
Gain: Ncra,Ttra,Masbal,Plabra,Pavlsp,NA

Presence Eukaryota prob = 0.01

Present: 5

Losses: NA



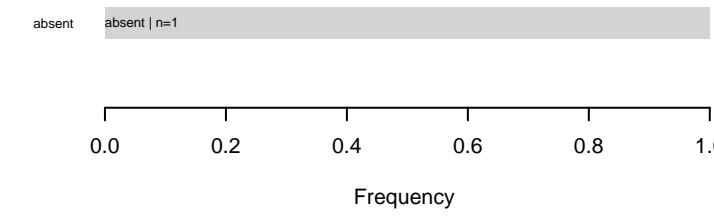
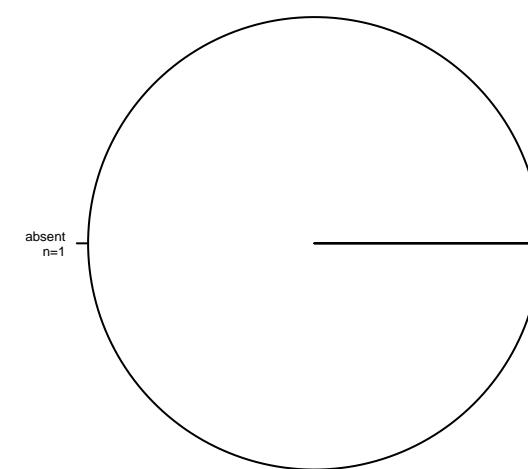


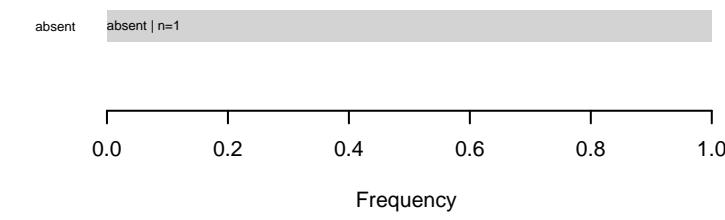
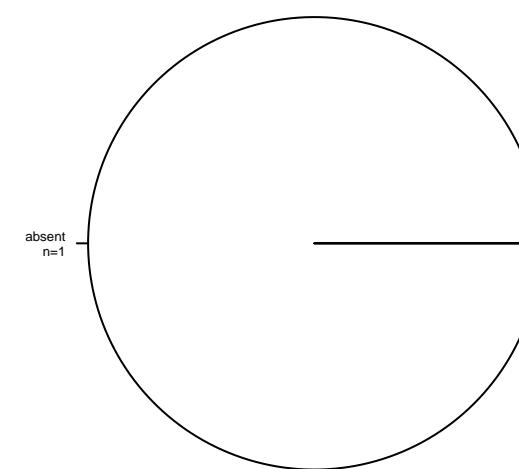
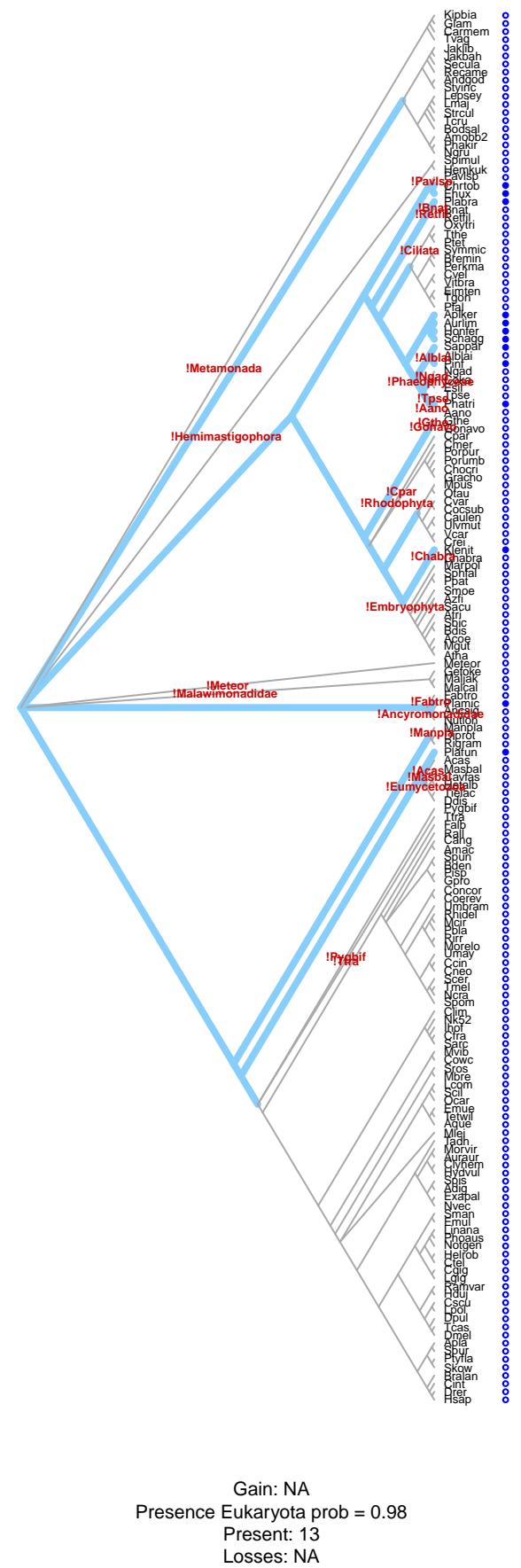
Gain: Plamic, Chabra, Mamiellophyceae, Pinf, NA

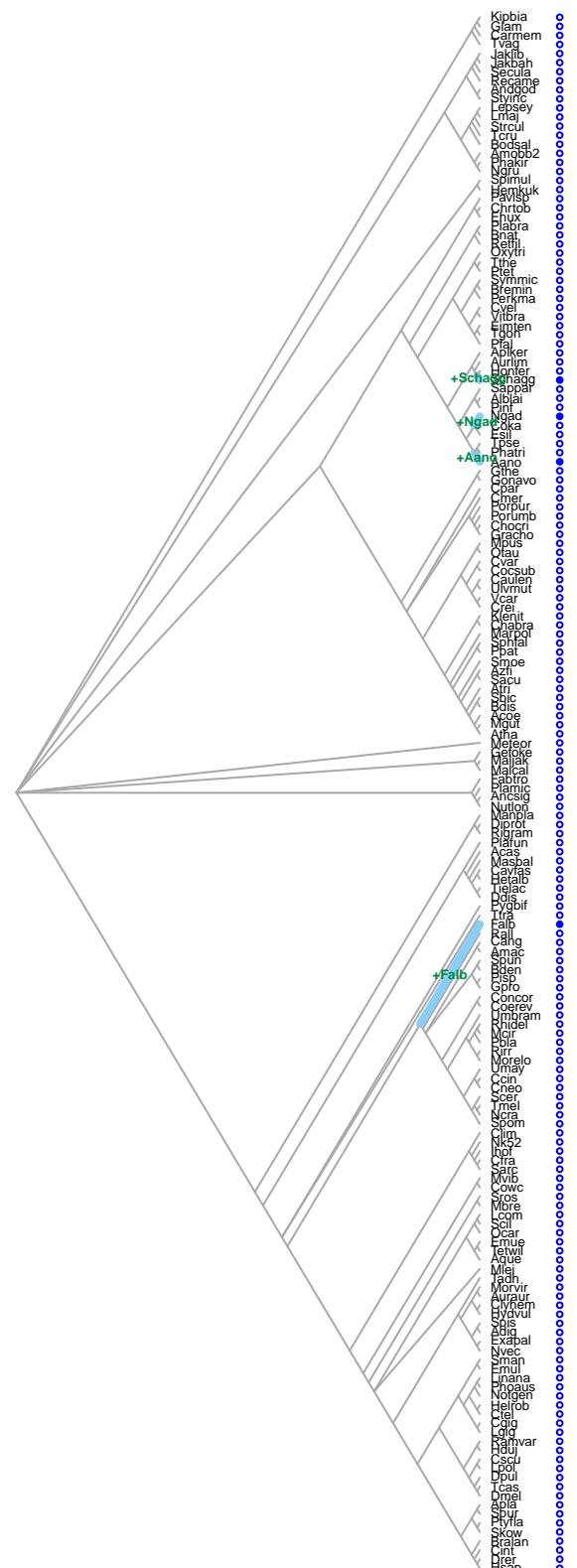
Presence Eukaryota prob = 0.03

Present: 5

Losses: NA





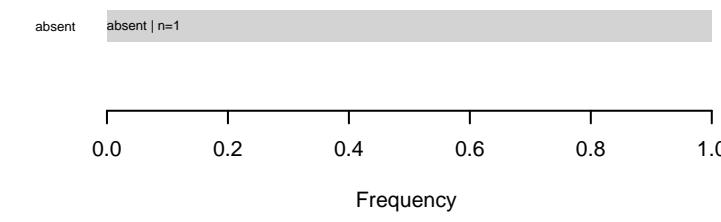
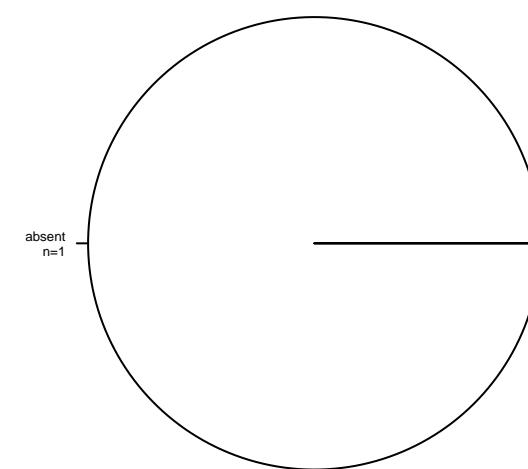


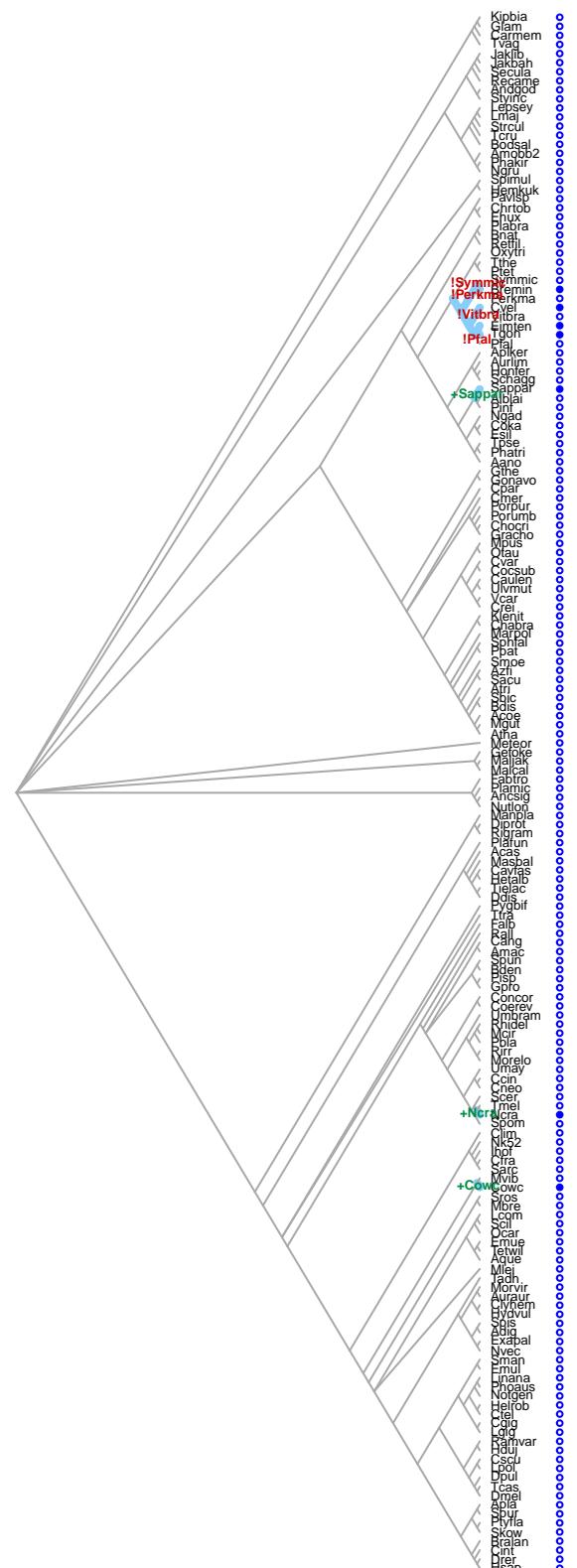
Gain: Falb,Aano,Ngad,Schagg,NA

Presence Eukaryota prob = 0.00

Present: 4

Losses: NA



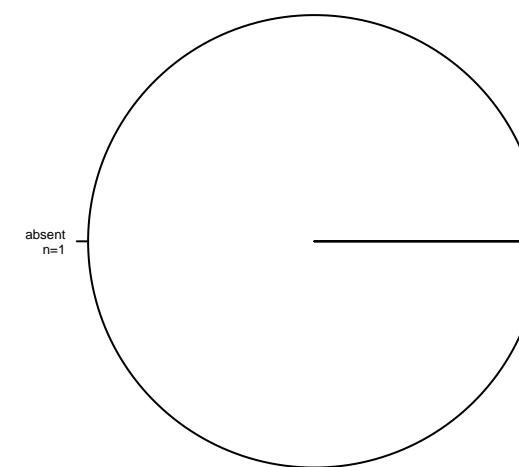


Gain: Cowc,Ncra,Sappar,NA

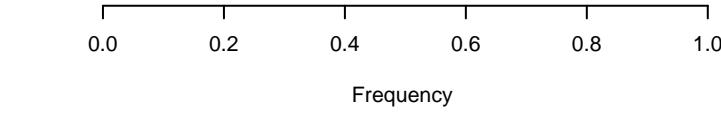
Presence Eukaryota prob = 0.02

Present: 7

Losses: NA

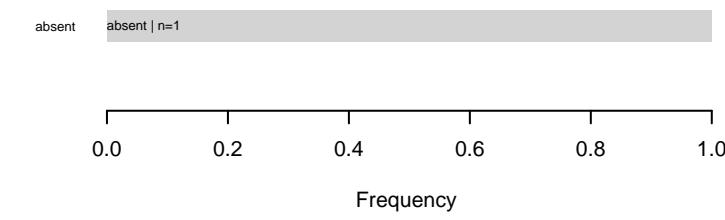
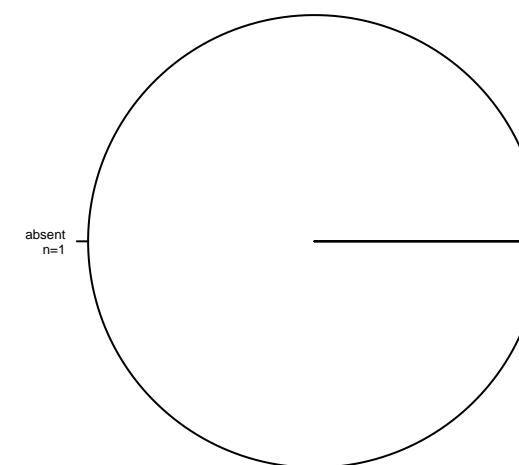
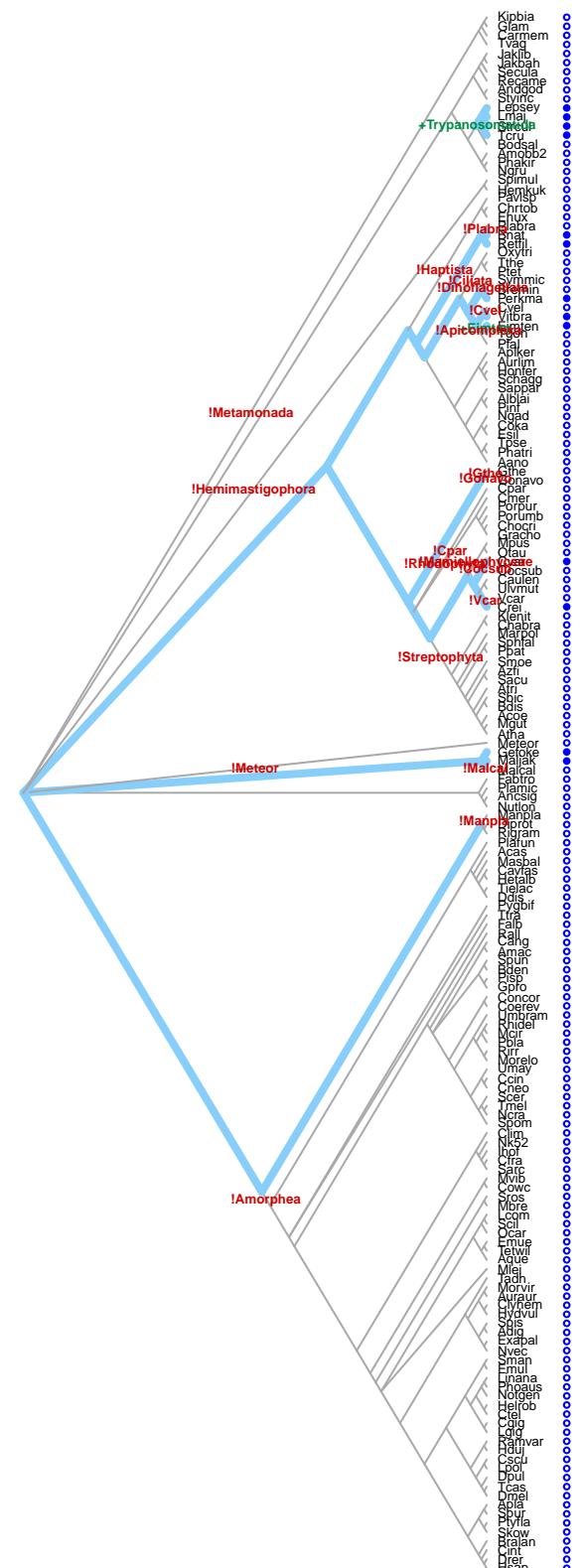


absent
 $n=1$



0.0 0.2 0.4 0.6 0.8 1.0

Frequency

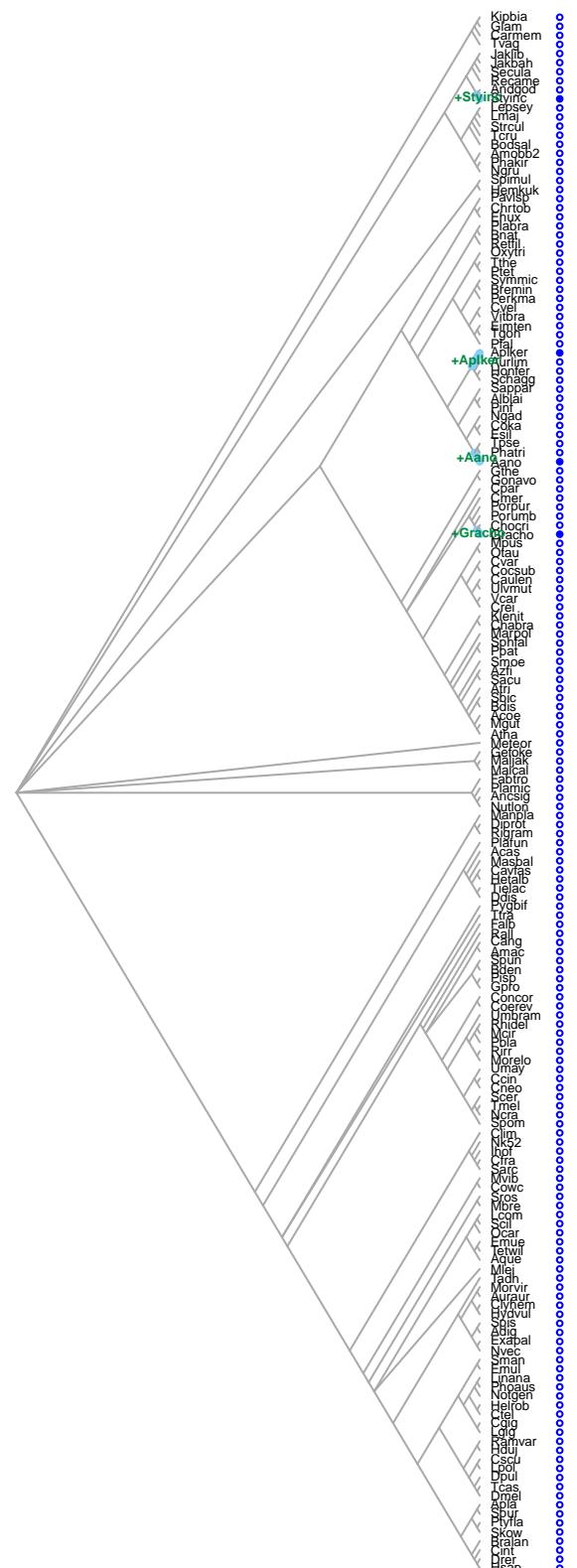


Gain: Eimten, Trypanosomatida, NA

Presence Eukaryota prob = 0.78

Present: 13

Present: 16

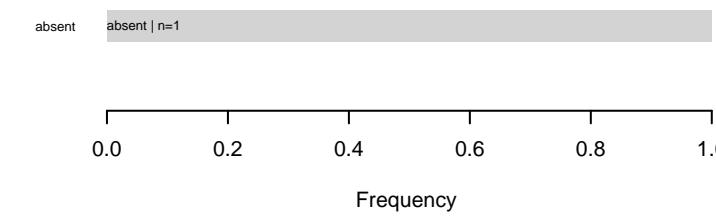
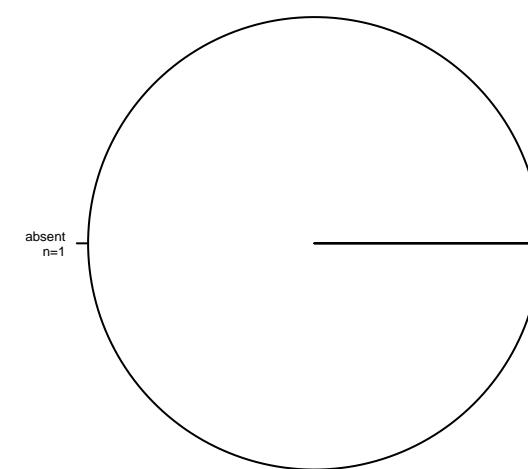


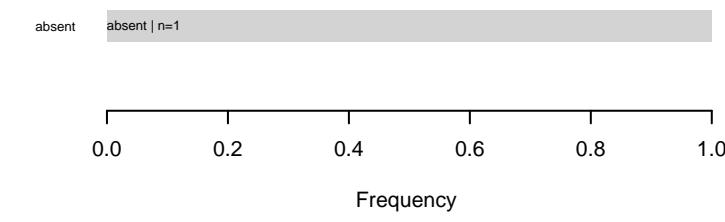
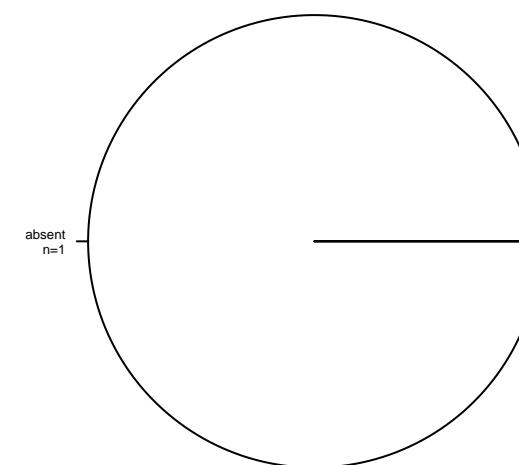
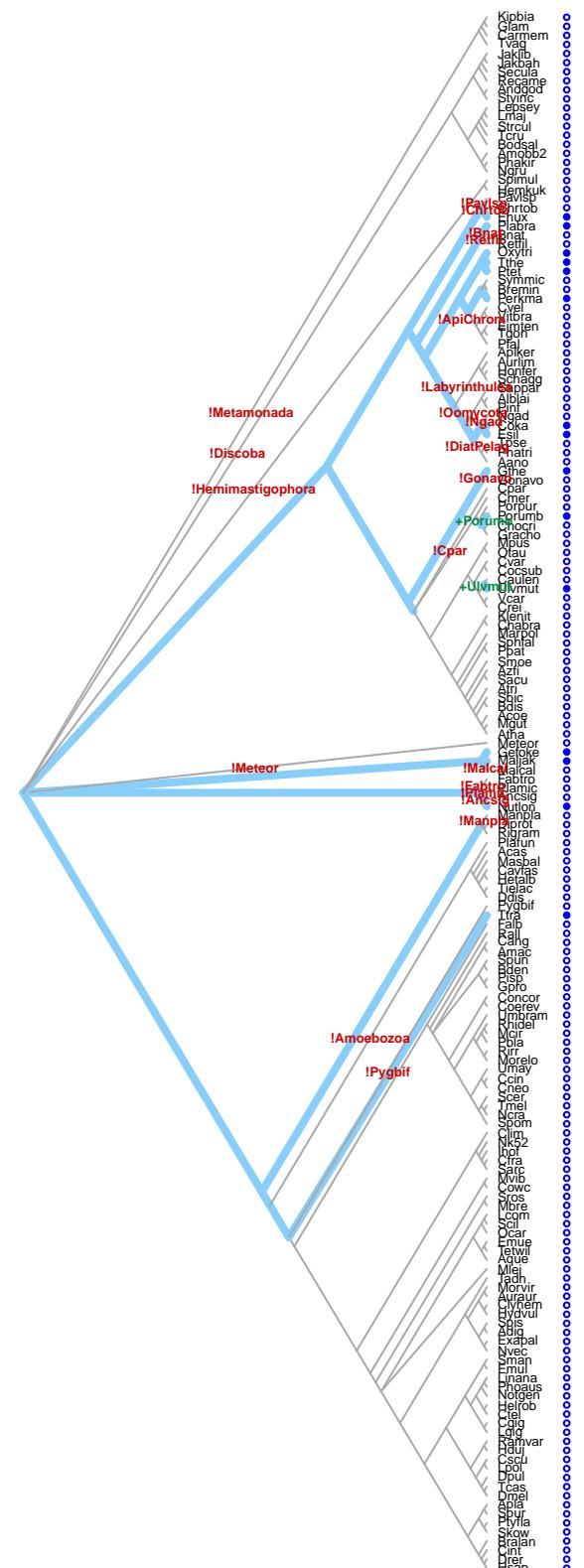
Gain: Gracho,Aano,Apker,Styinc,NA

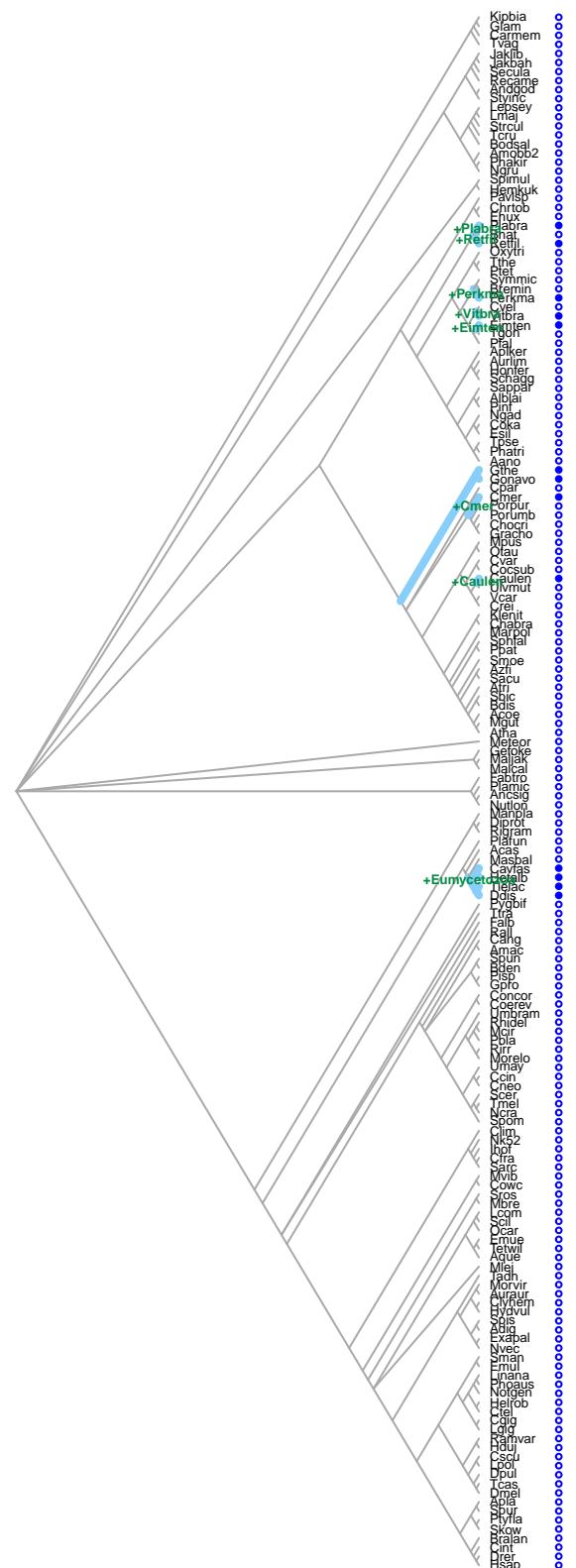
Presence Eukaryota prob = 0.01

Present: 4

Losses: NA





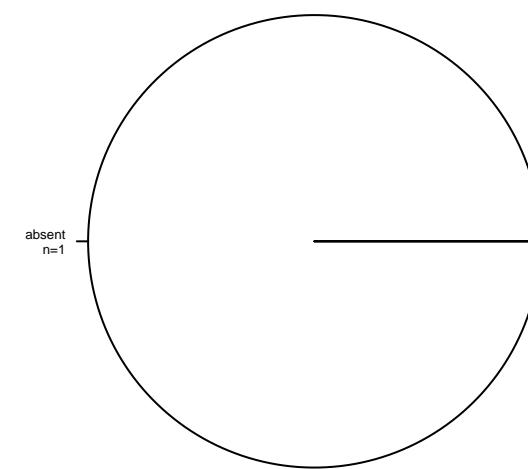


Gain: Eumycetozoa,Caulen,Cmer,Eimten,Vitbra,Perkma,Retfil,Plabra,NA

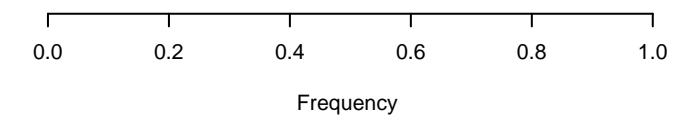
Presence Eukaryota prob = 0.25

Present: 13

Losses: NA

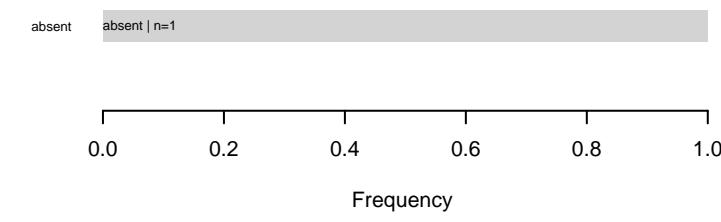
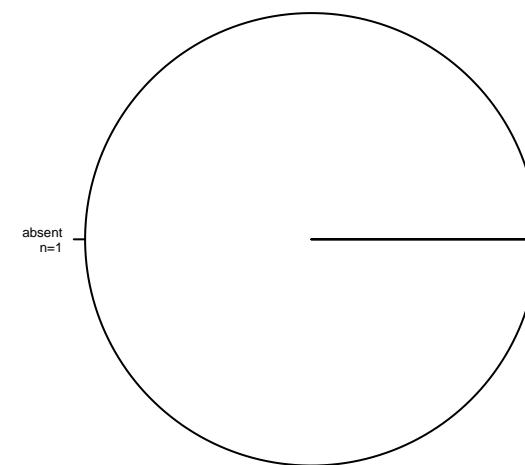
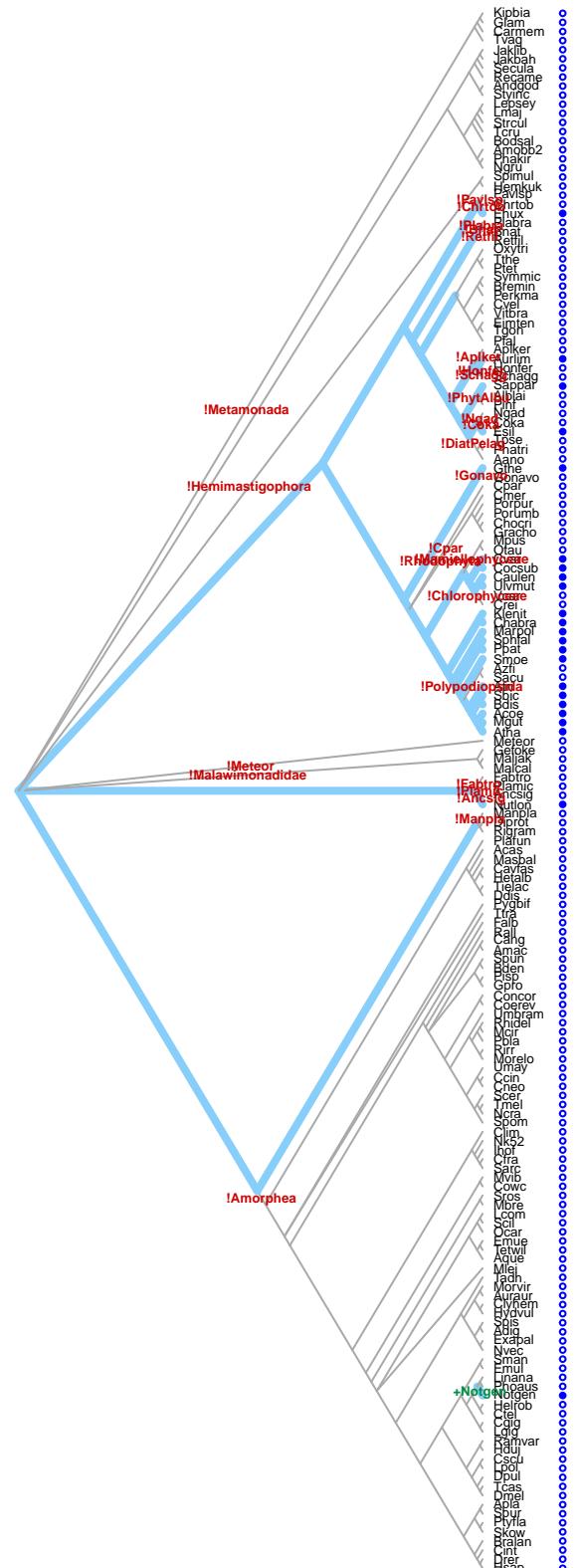


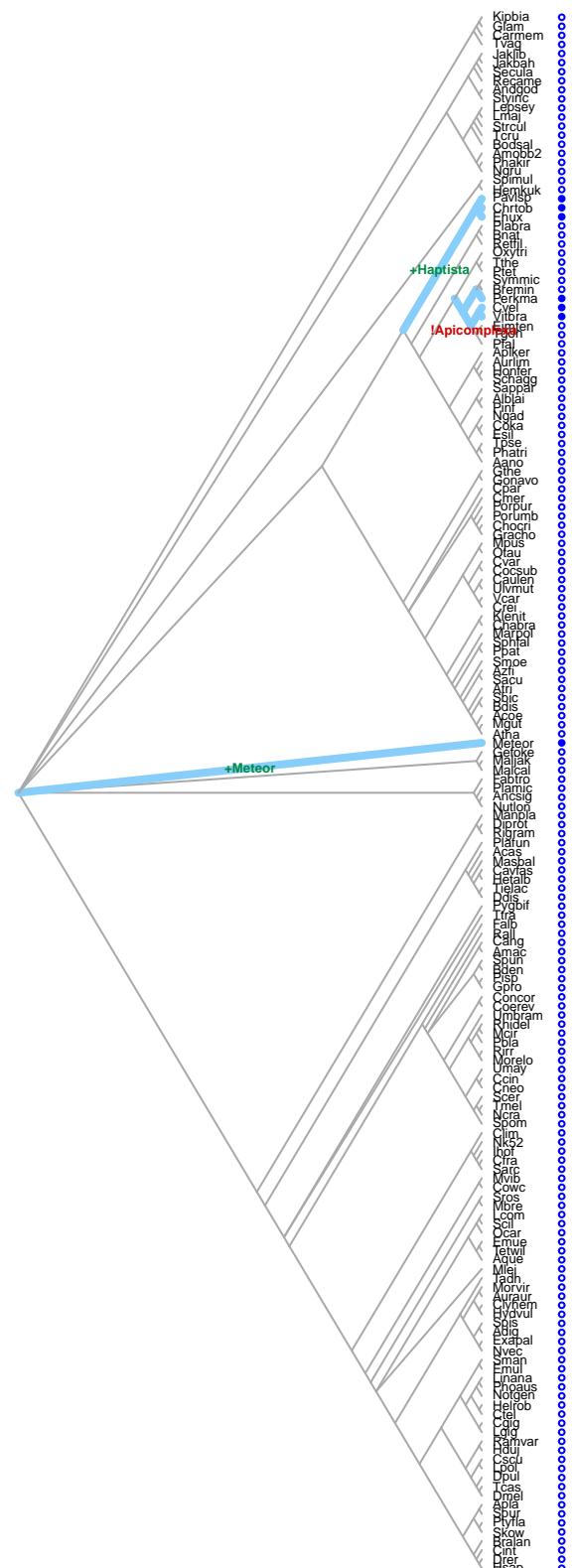
absent absent | n=1



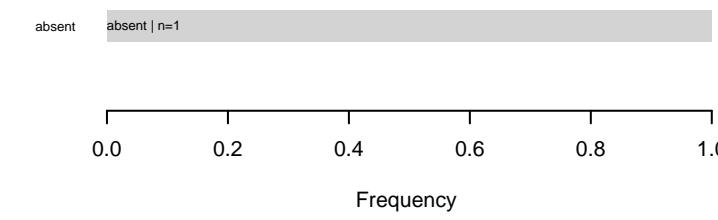
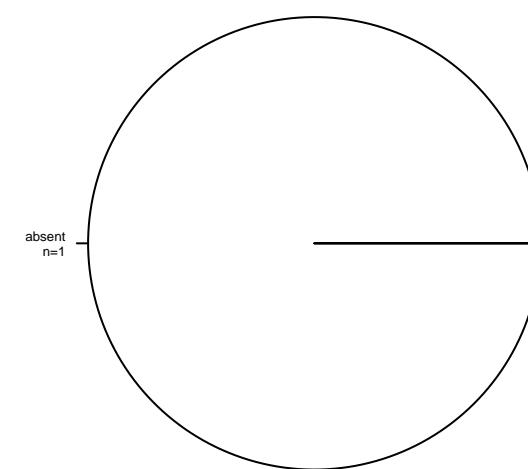
Frequency

Bromodomain.HG1.26
like:BRD2/BRD3/BRD4/BRDT

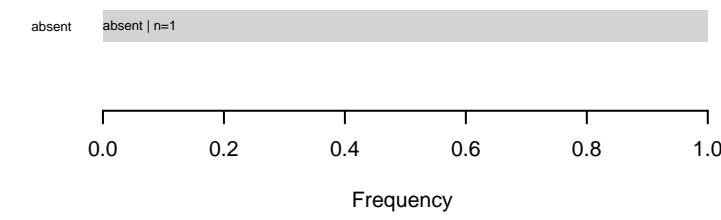
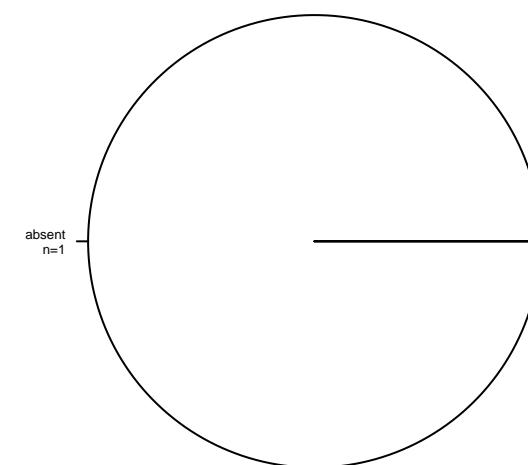
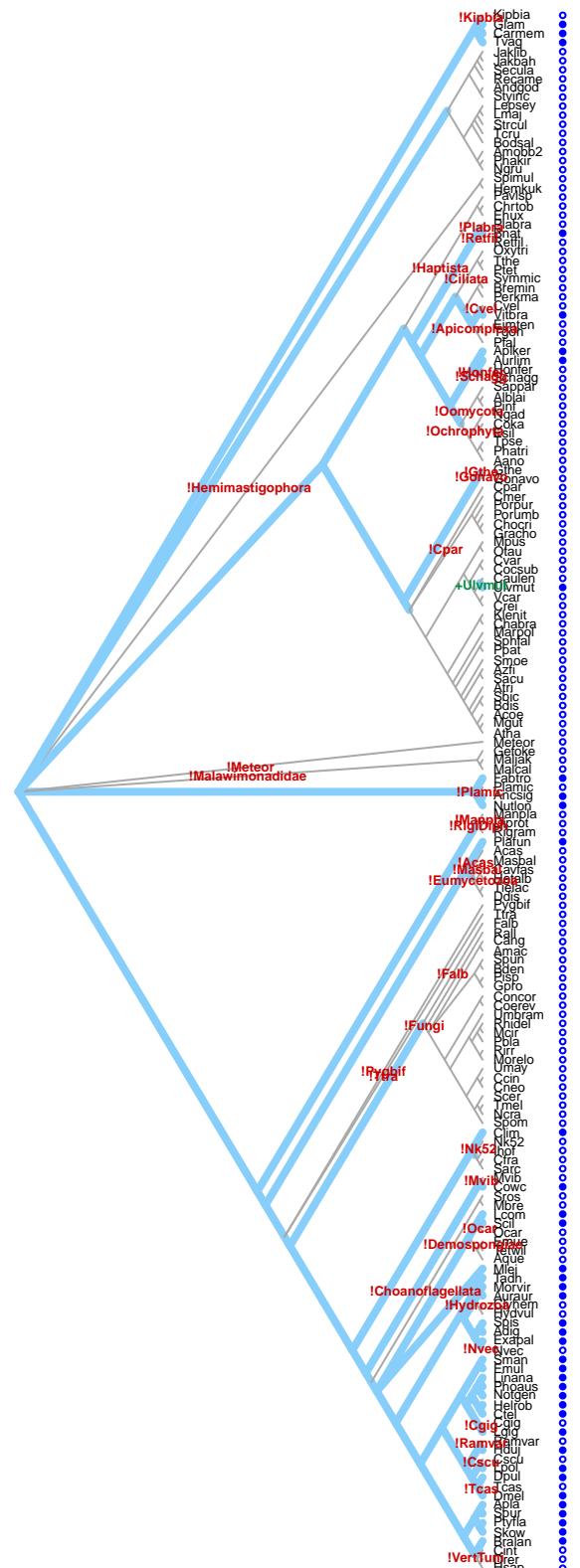


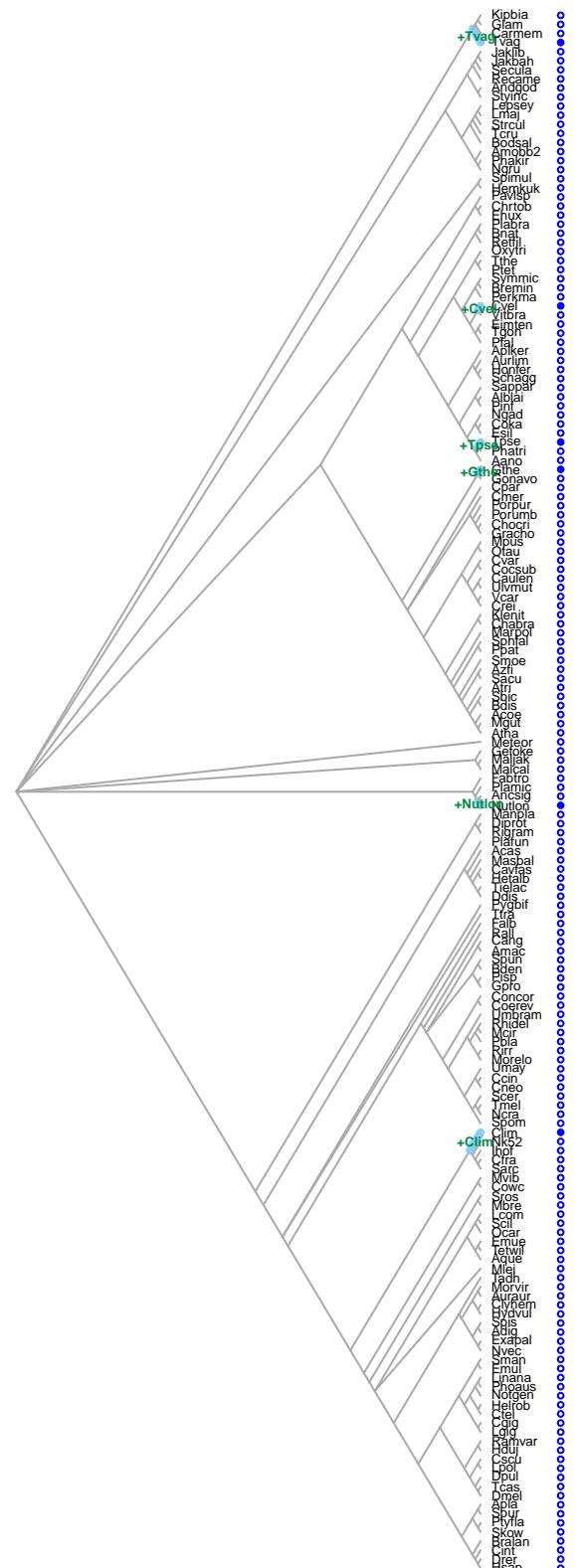


Gain: Meteor,Haptista,NA
Presence Eukaryota prob = 0.07
Present: 7
Losses: NA



Bromodomain.HG1.28
like:BRD8



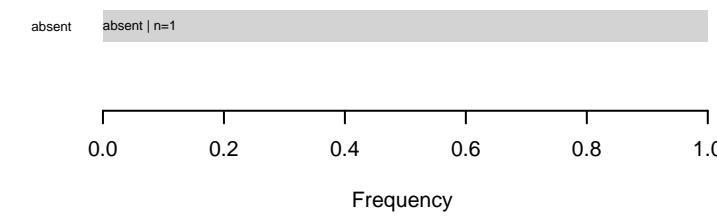
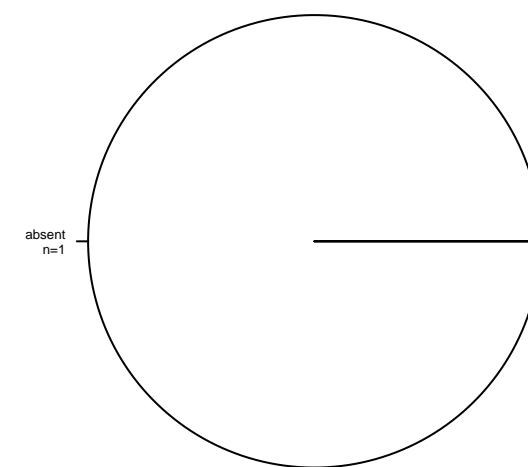


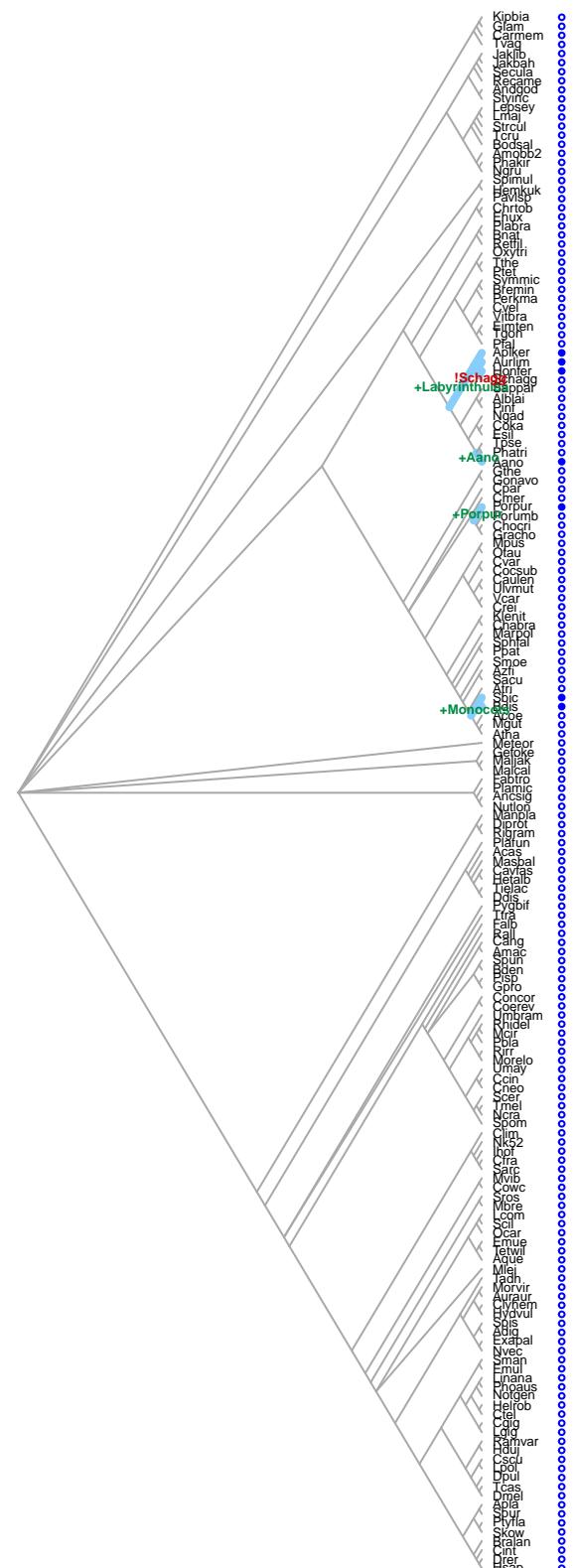
Gain: Clim,Nutlon,Gthe,Tpse,Cvel,Tvag,NA

Presence Eukaryota prob = 0.02

Present: 6

Losses: NA



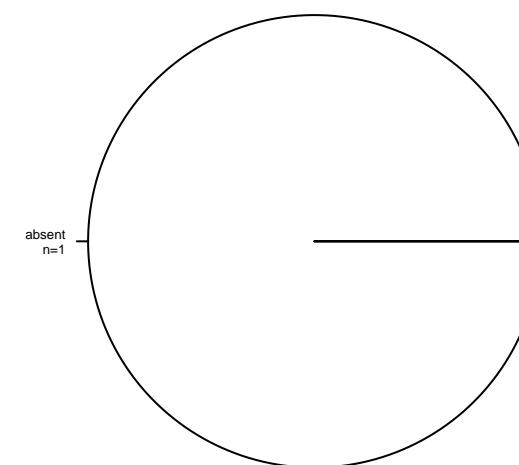


Gain: Monocots, Porpur, Aano, Labyrinthulea, NA

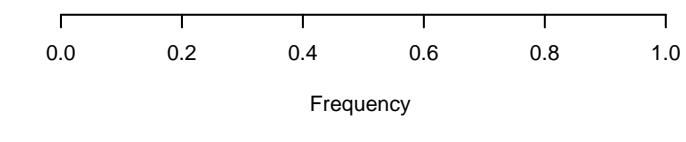
Presence Eukaryota prob = 0.00

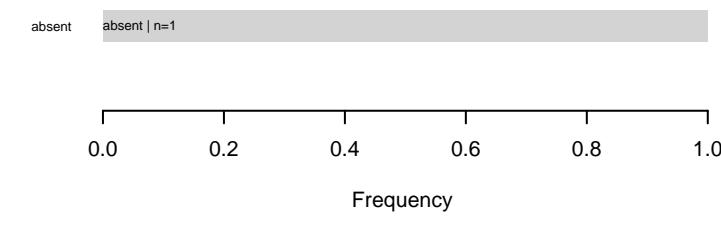
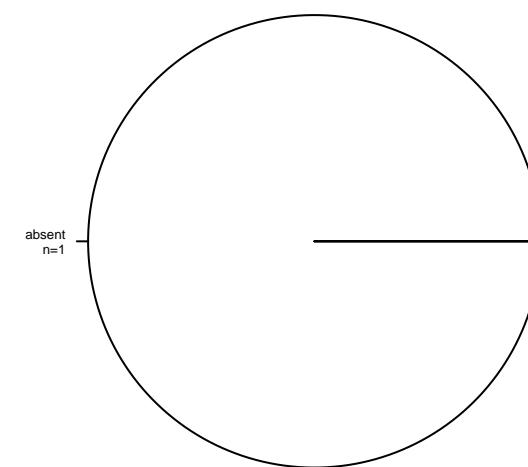
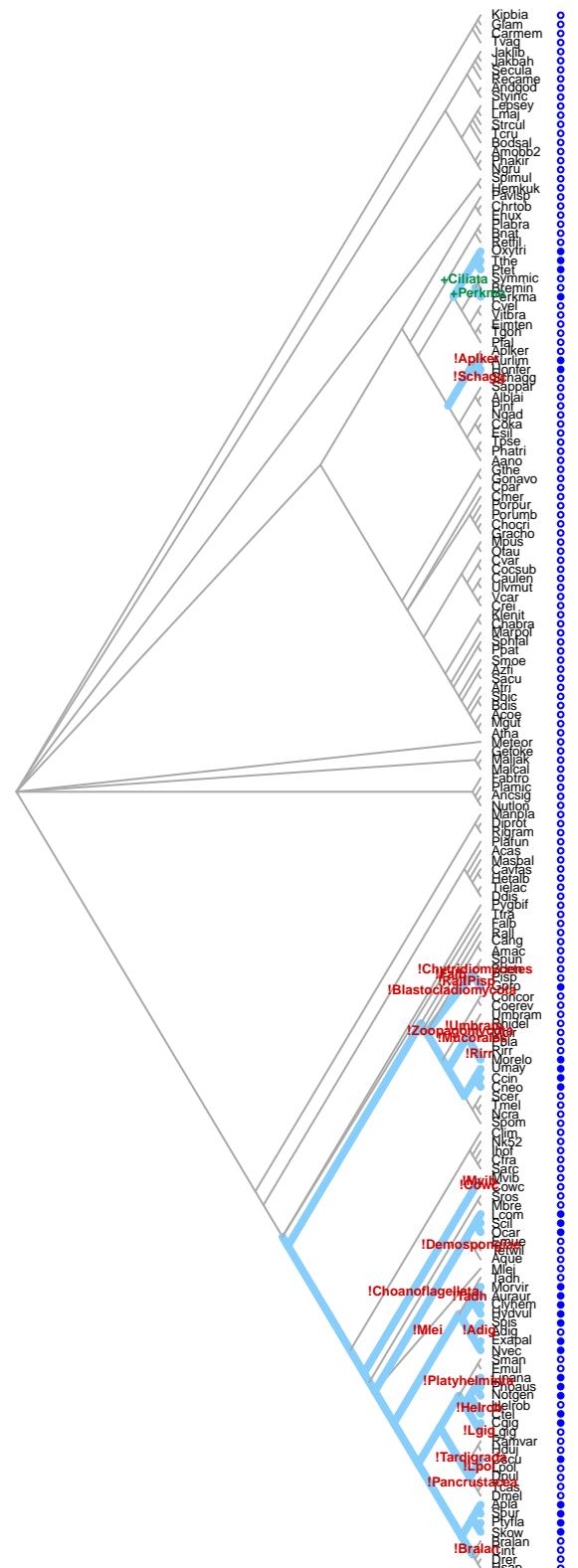
Present: 7

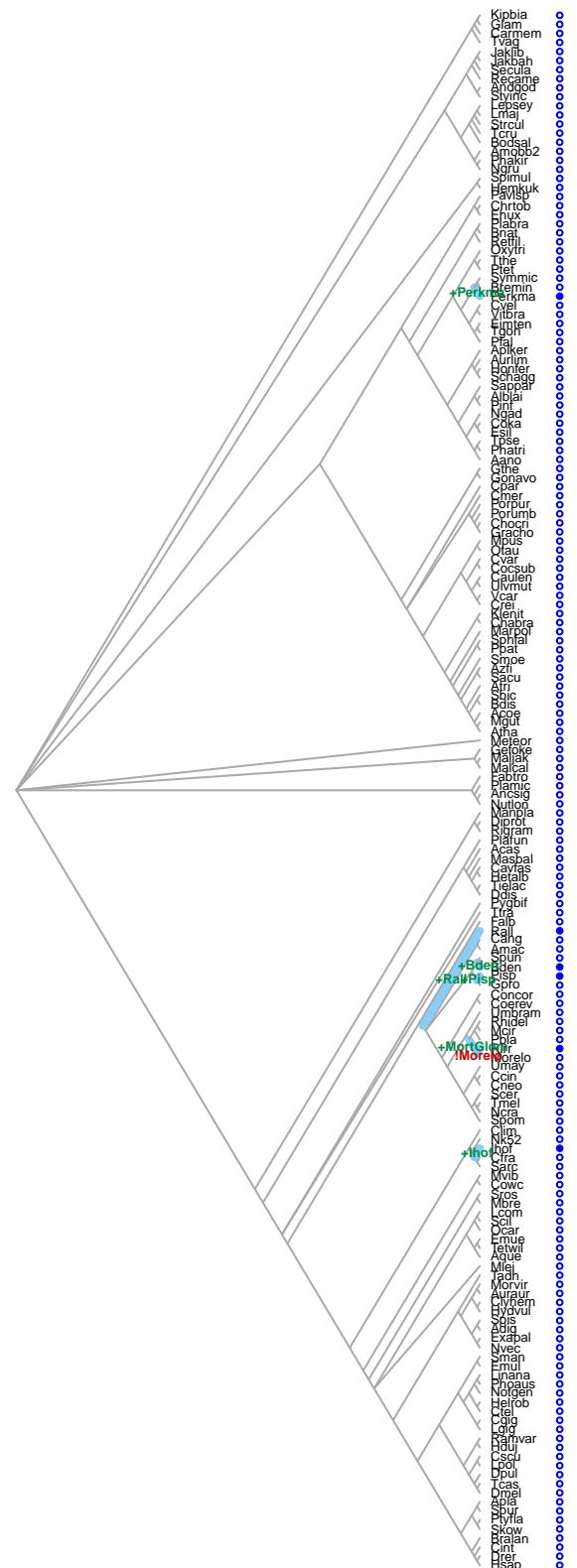
Losses: NA



absent | n=1





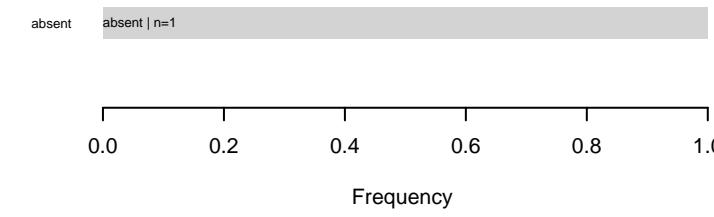
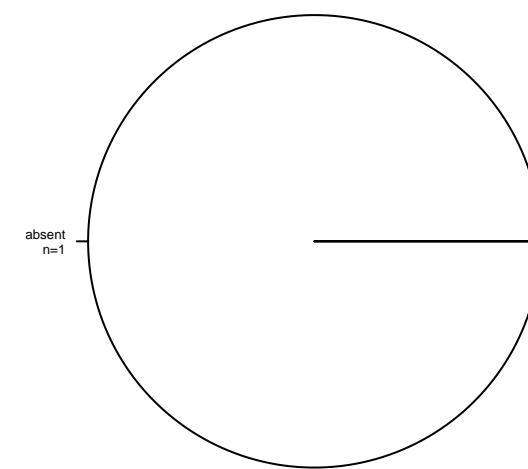


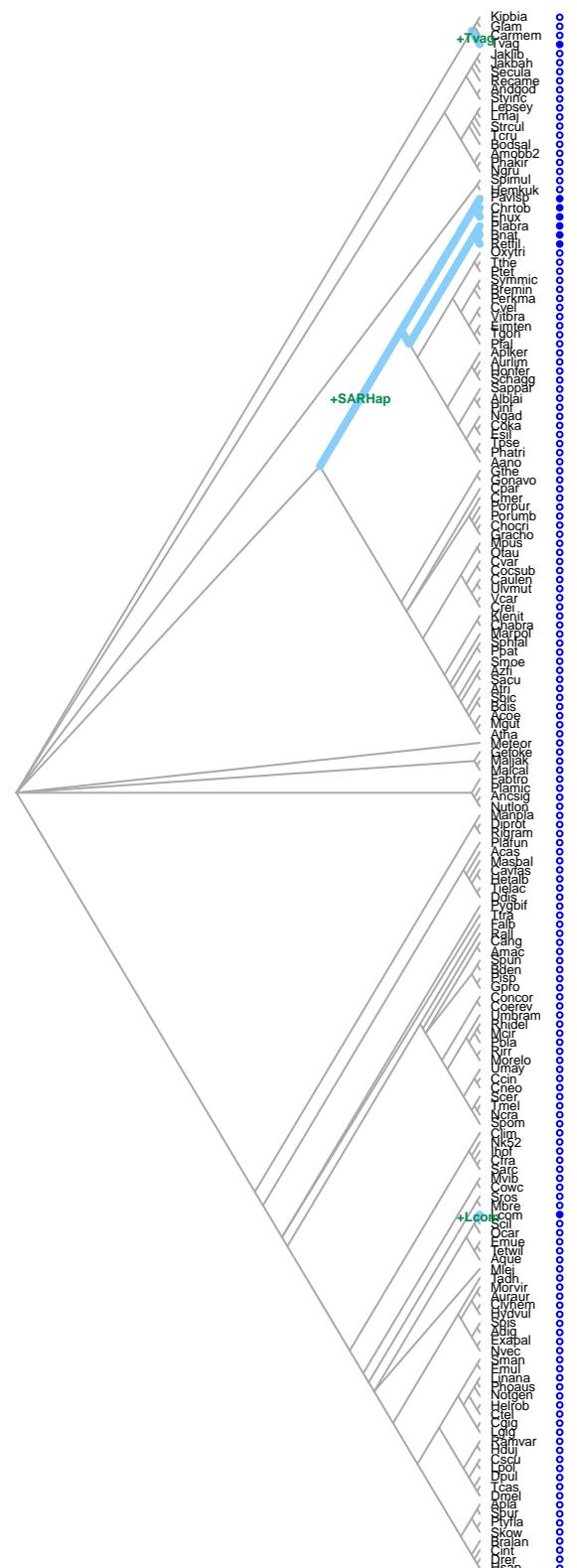
Gain: Ihof, MortGlon, Pisp, Bden, Rall, Perkma, NA

Presence Eukaryota prob = 0.00

Present: 6

Losses: NA



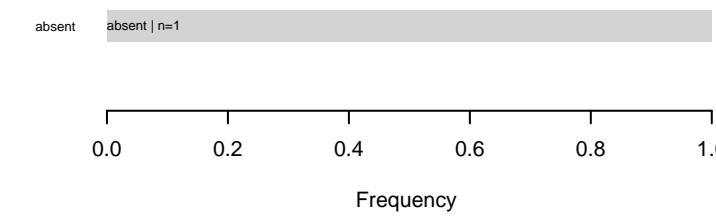
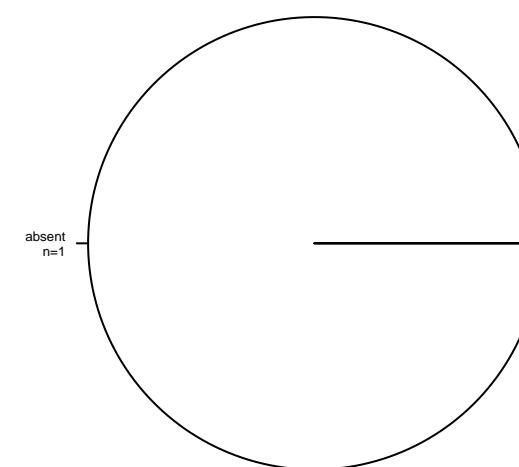


Gain: Lcom,SARhap,Tvag,NA

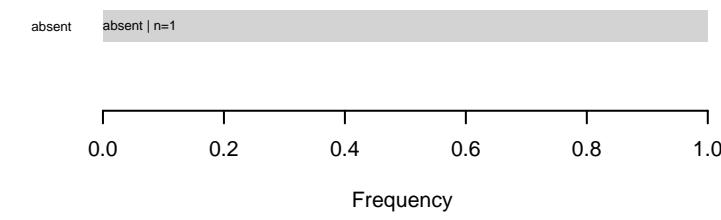
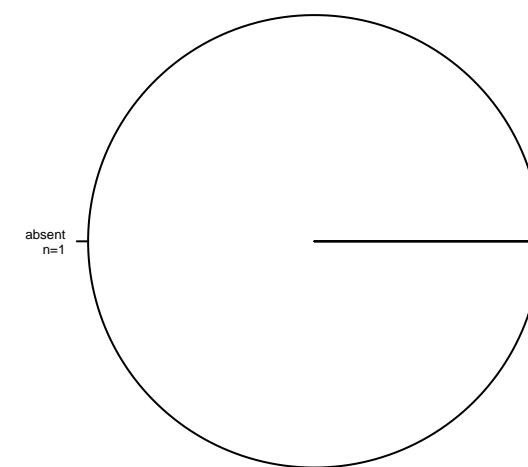
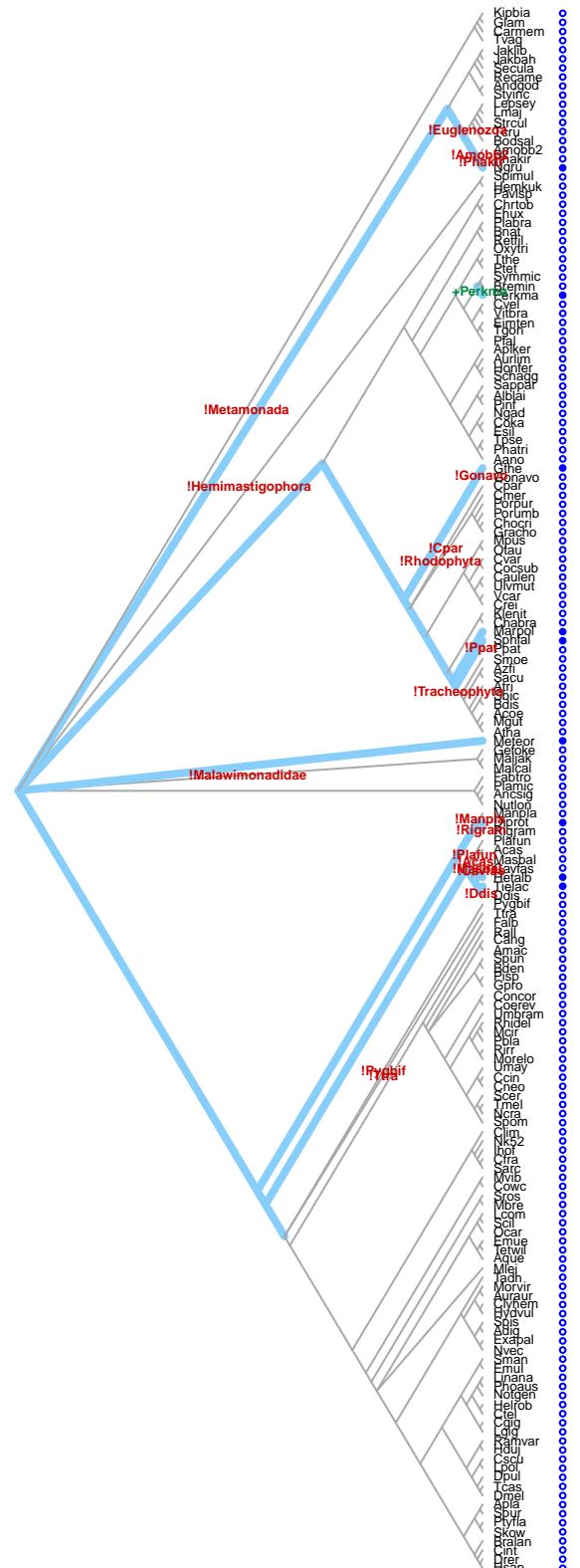
Presence Eukaryota prob = 0.00

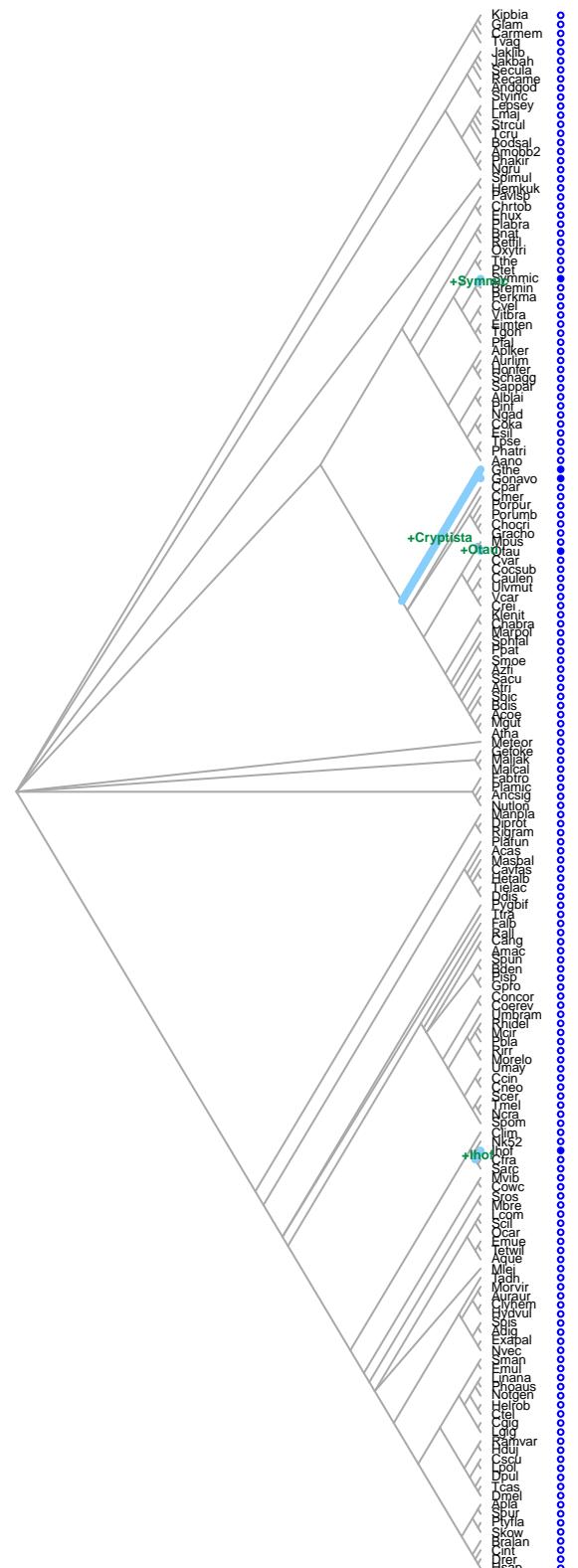
Present: 8

Losses: NA



Bromodomain.HG1.33 like:BRD8



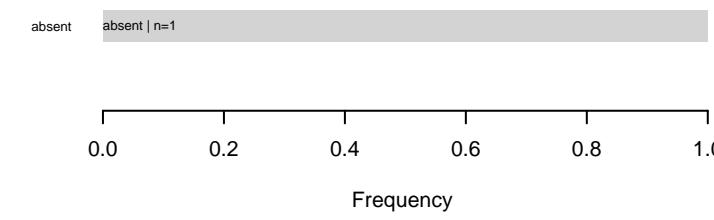
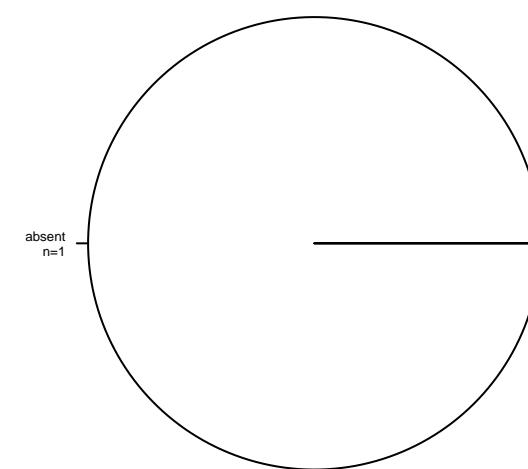


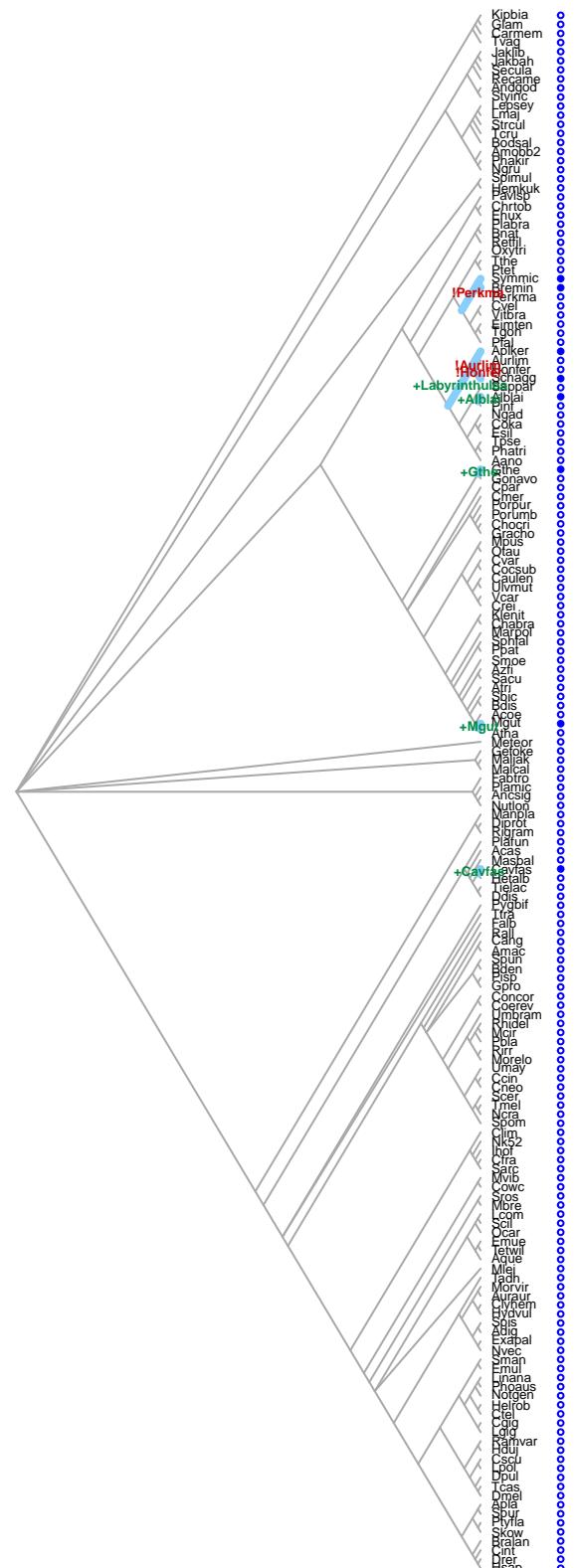
Gain: Ihof,Otau,Cryptista,Symmic,NA

Presence Eukaryota prob = 0.02

Present: 5

Losses: NA



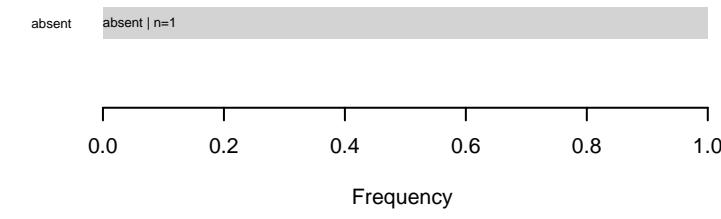
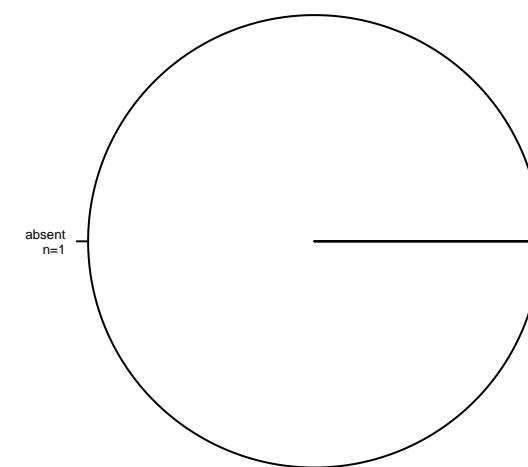


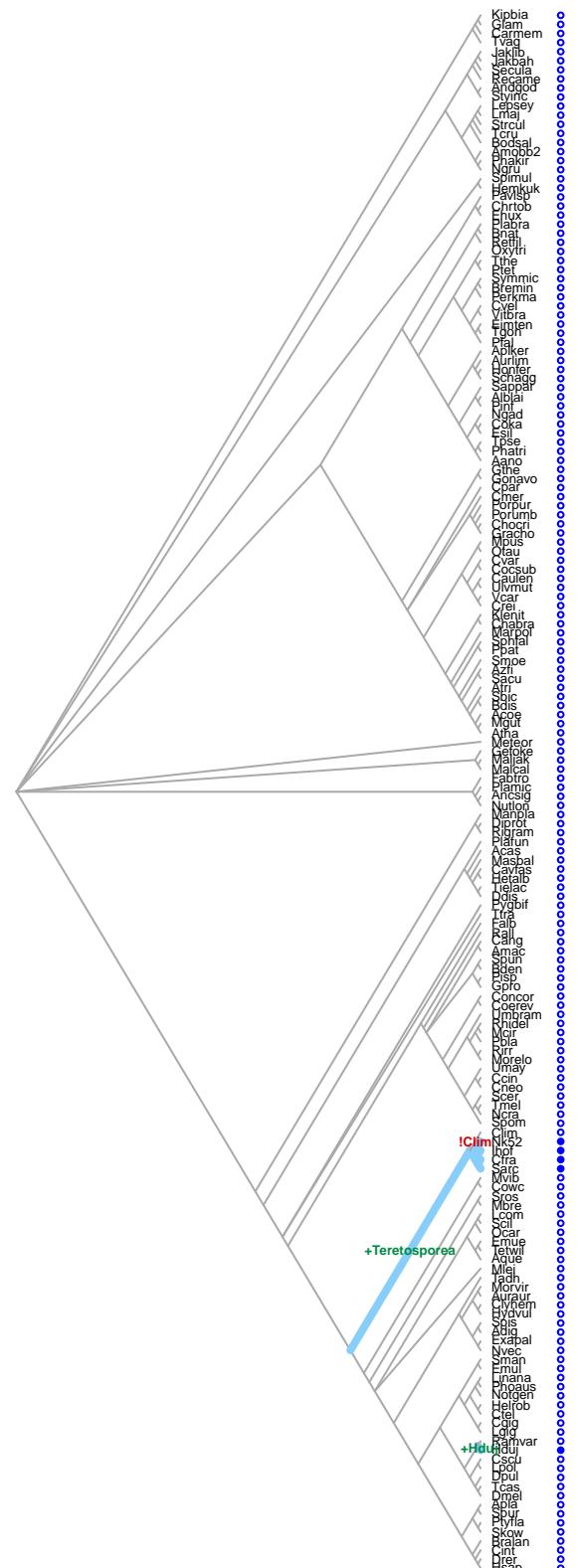
Gain: Cavfas,Mgut,Gthe,Alblai,Labyrinthulea,NA

Presence Eukaryota prob = 0.07

Present: 8

Losses: NA



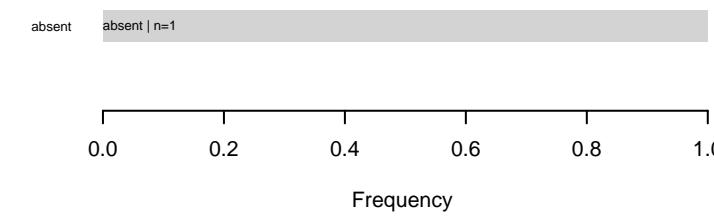
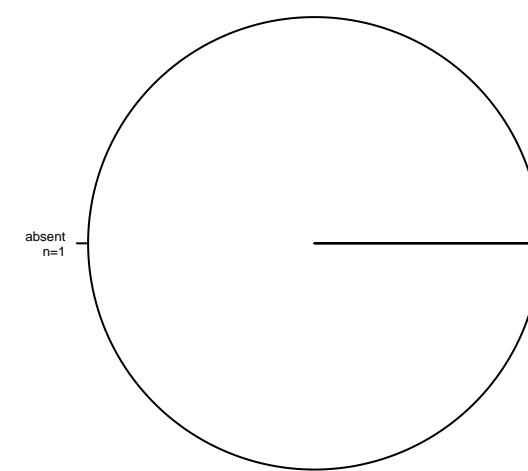


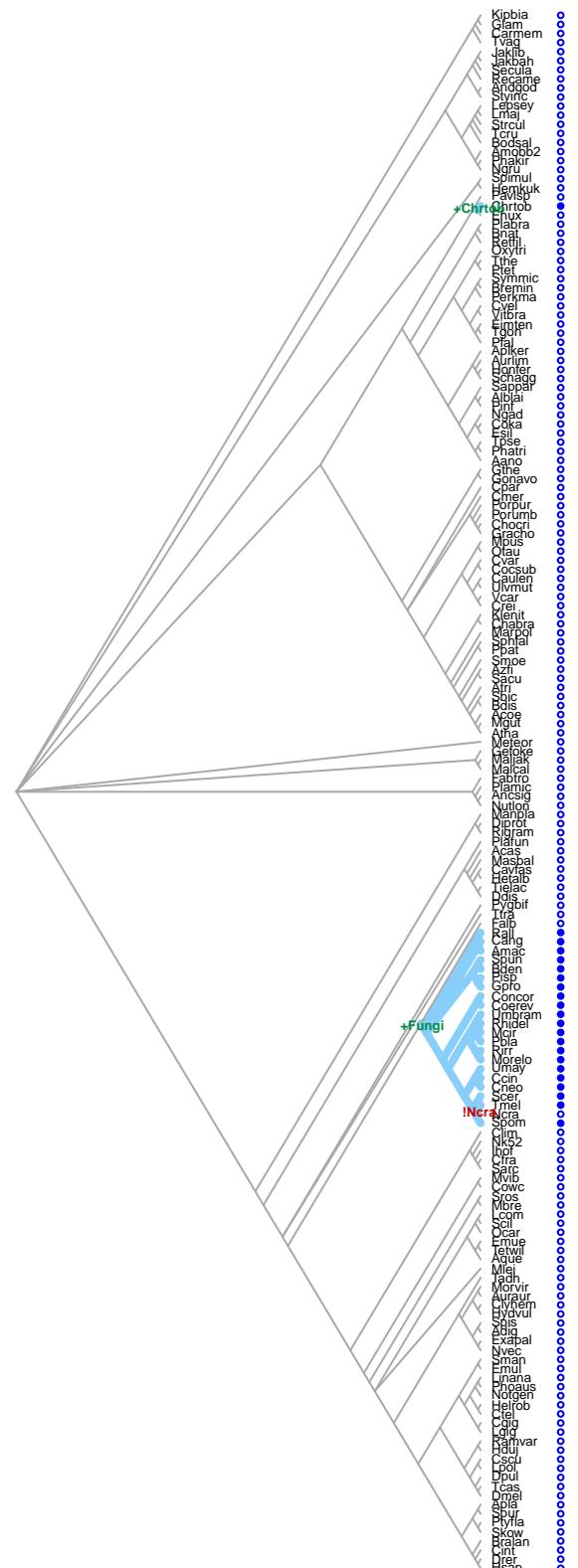
Gain: Hduj, Teretosporea, NA

Presence Eukaryota prob = 0.00

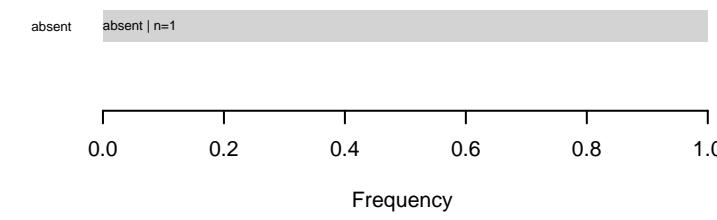
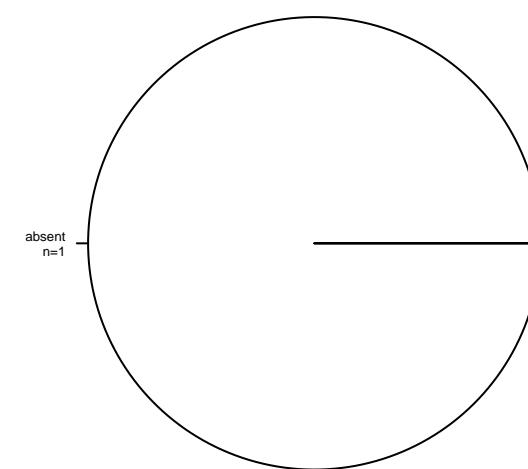
Present: 5

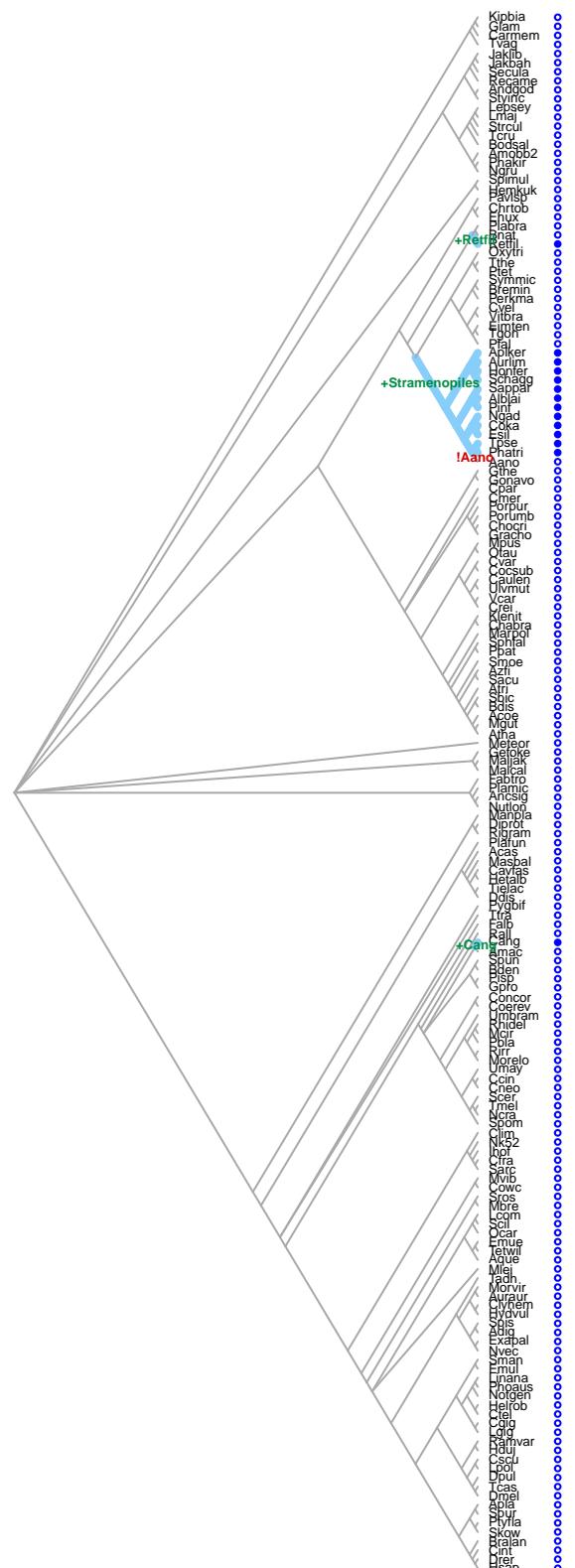
Losses: NA





Gain: Fungi,Chrtob,NA
Presence Eukaryota prob = 0.00
Present: 22
Losses: NA



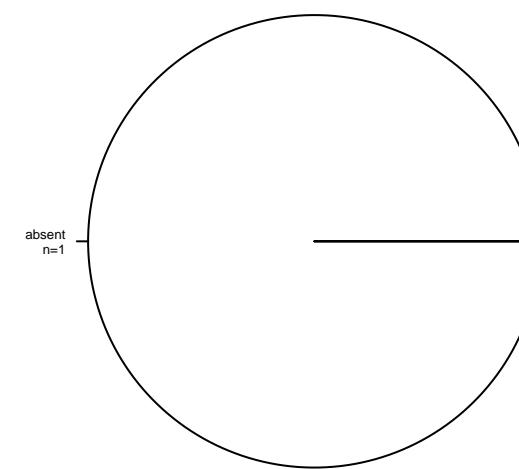


Gain: Cang,Stramenopiles,Retfil,NA

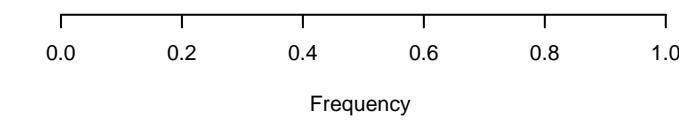
Presence Eukaryota prob = 0.00

Present: 14

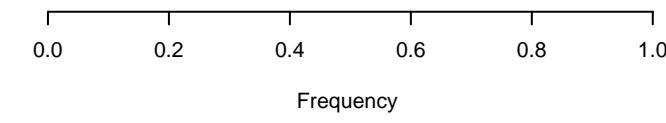
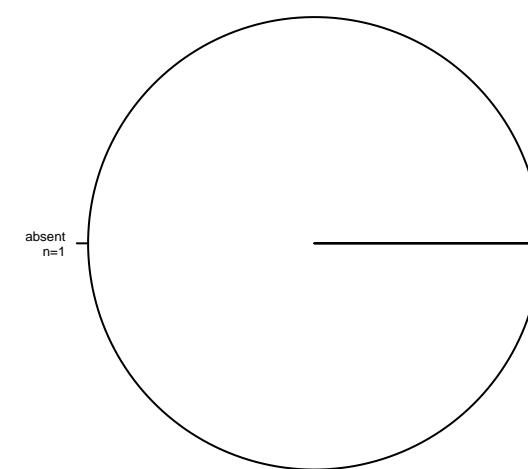
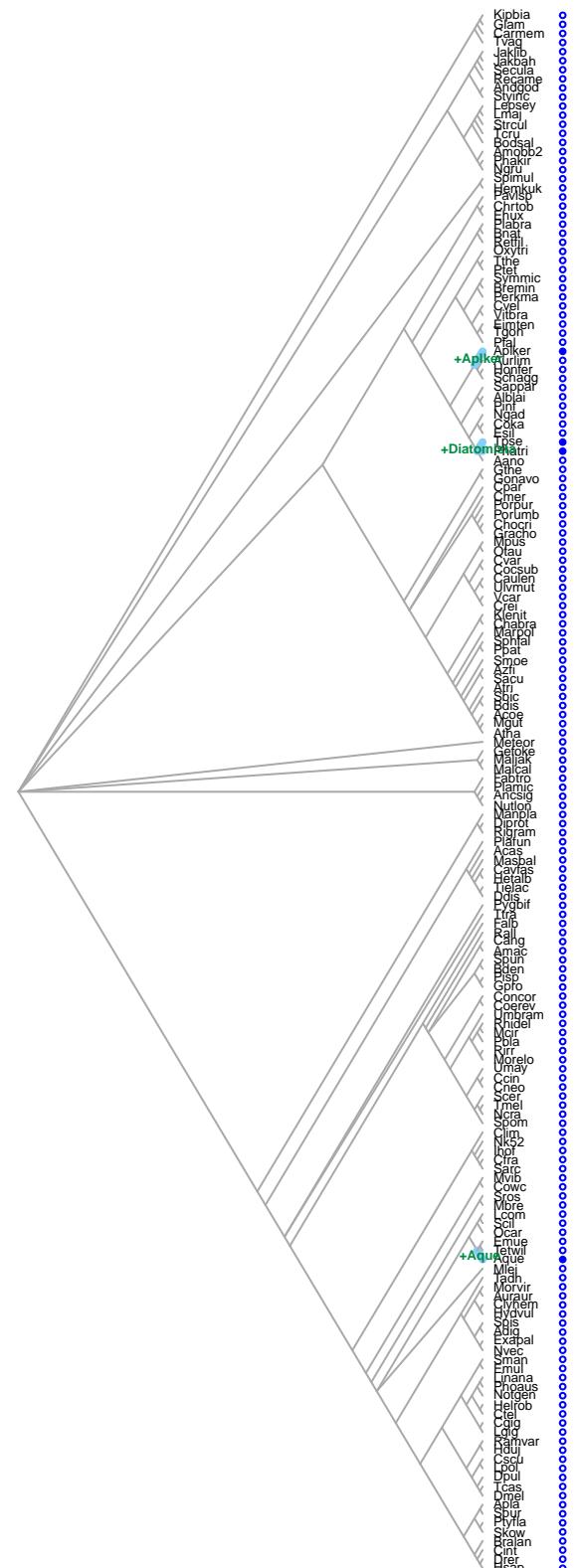
Losses: NA



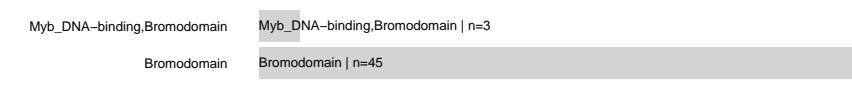
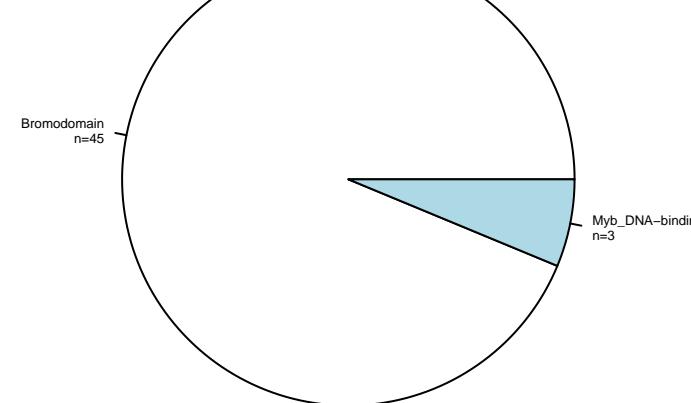
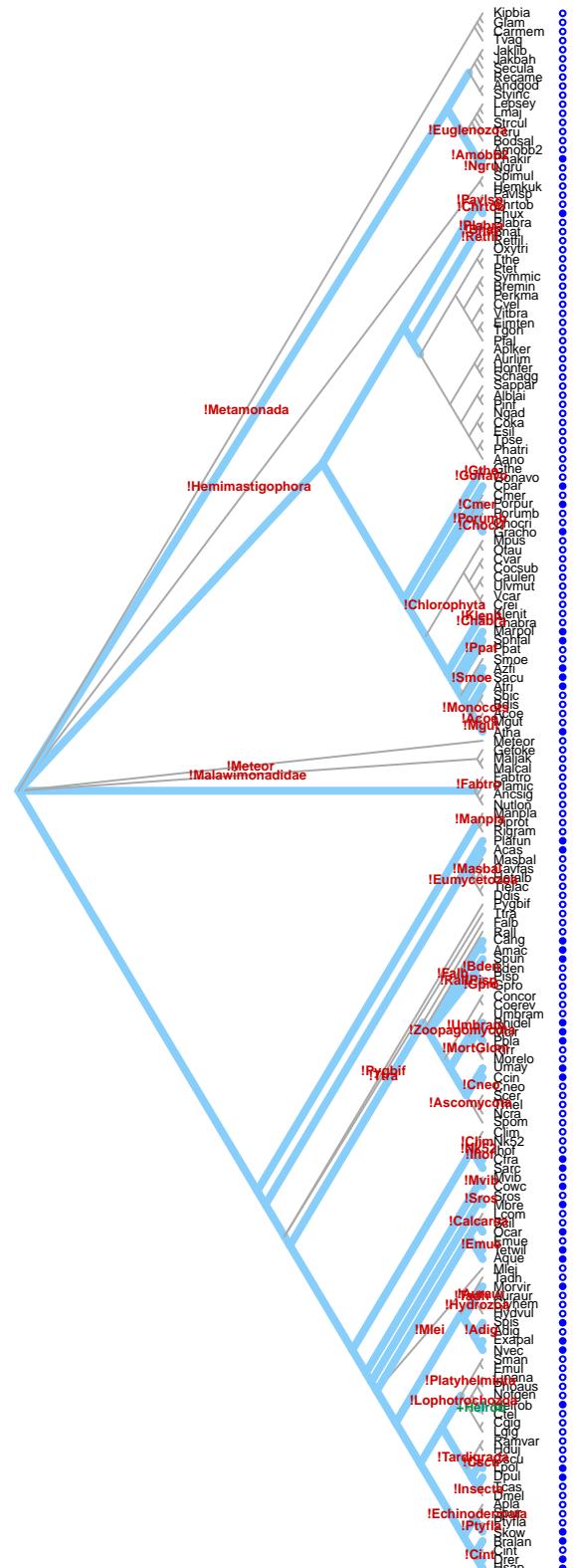
absent | n=1

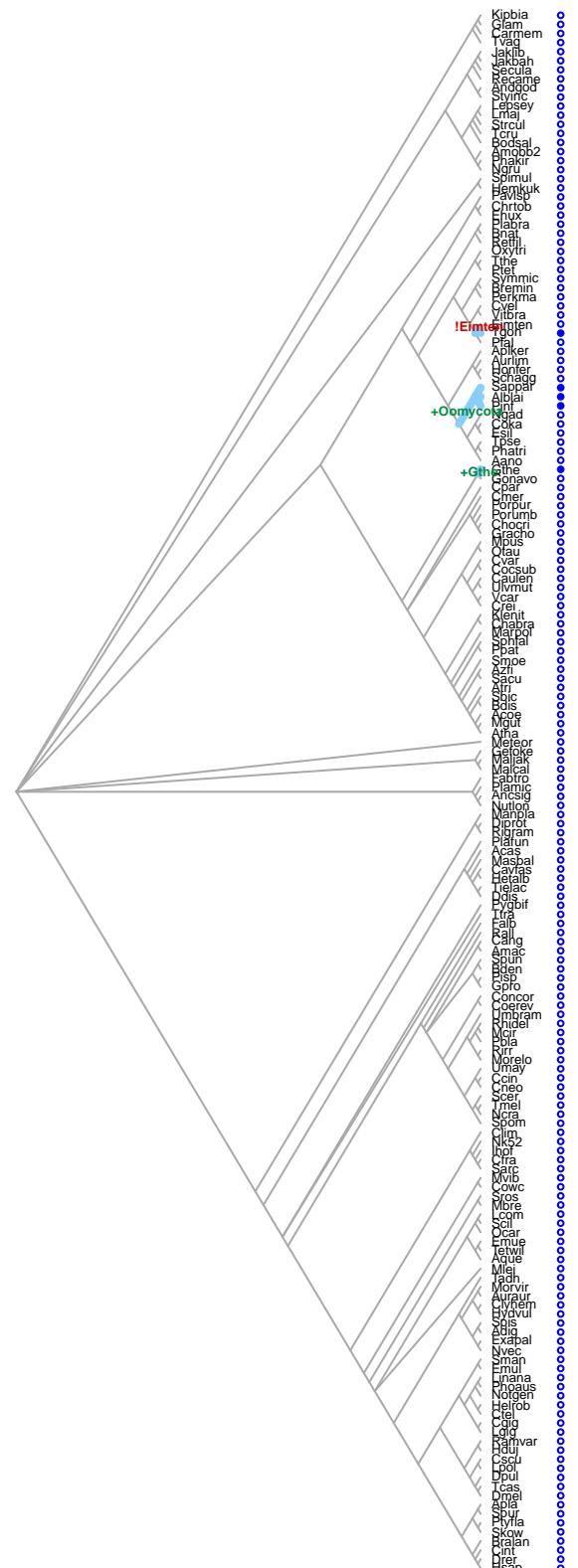


Bromodomain.HG1.39
like:BRD8

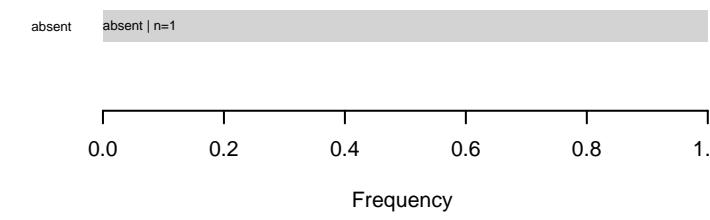
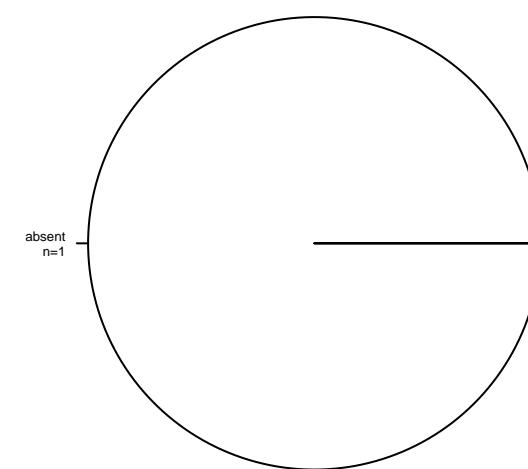


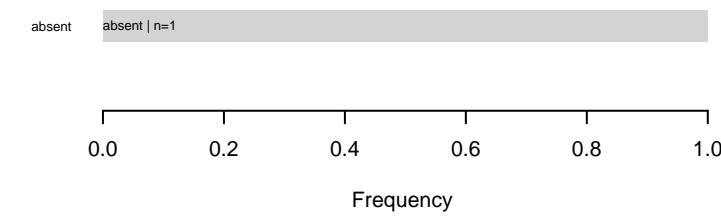
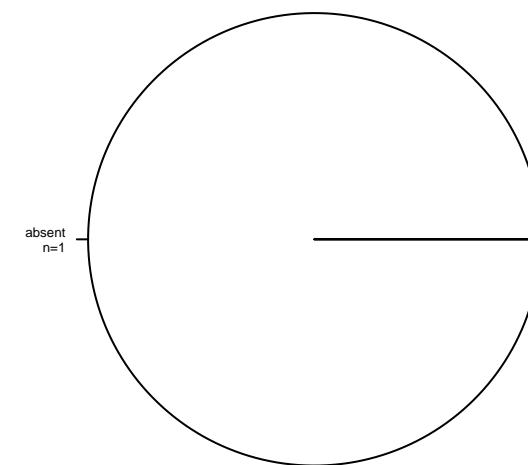
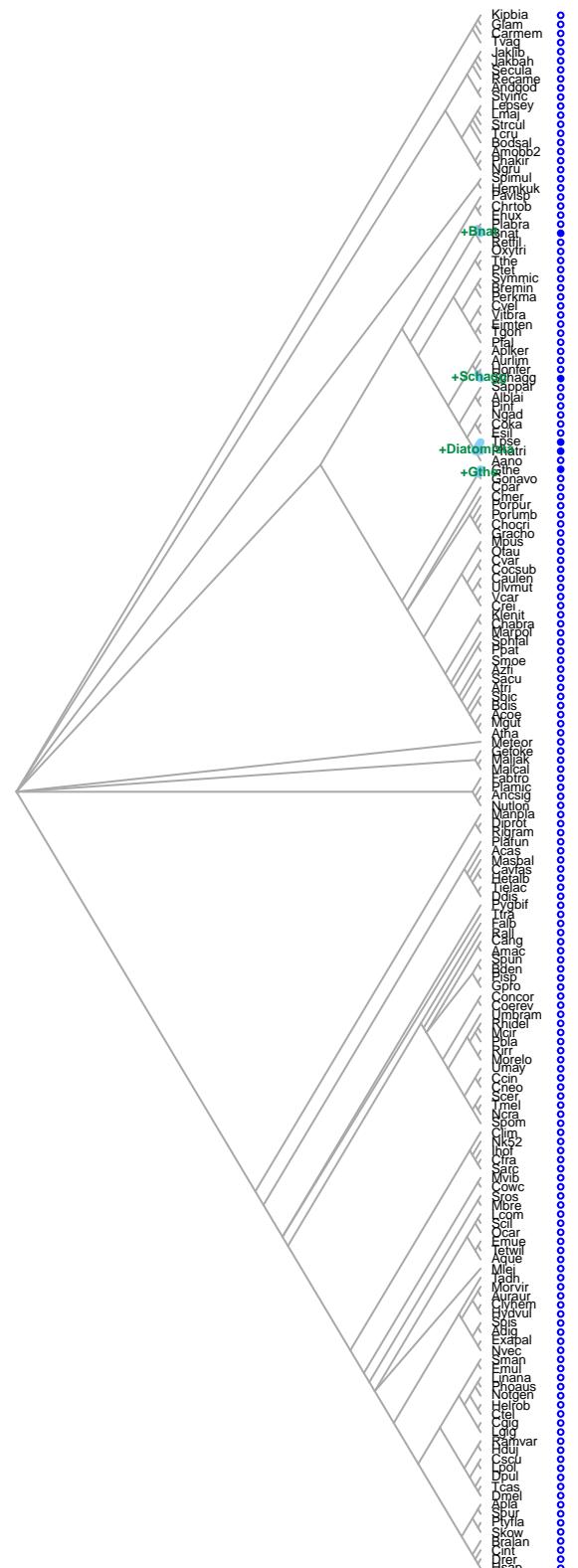
Bromodomain.HG1.40
BRD8

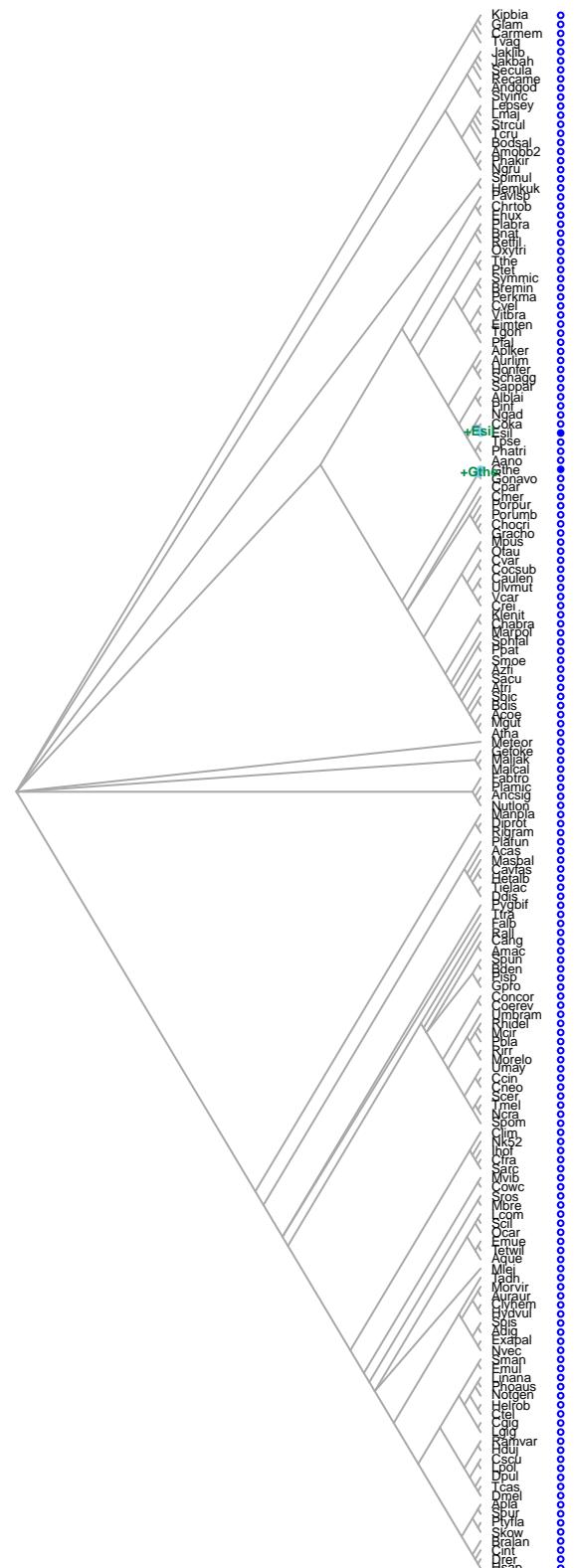




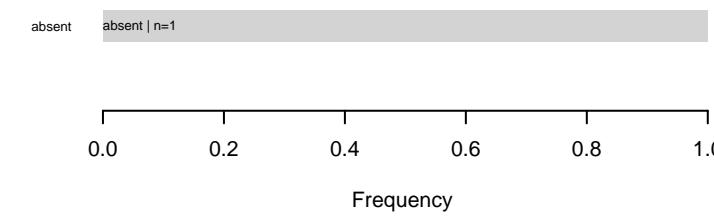
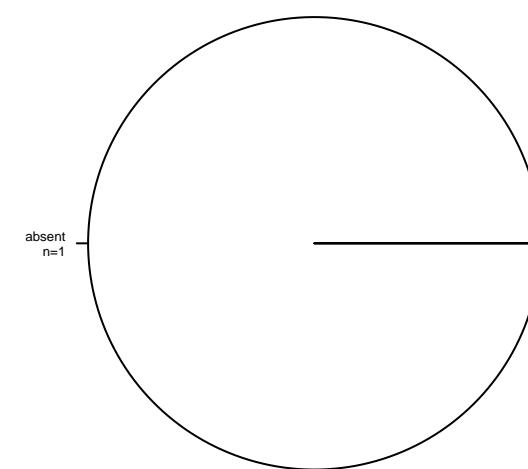
Gain: Gthe,Oomycota,NA
Presence Eukaryota prob = 0.01
Present: 5
Losses: NA

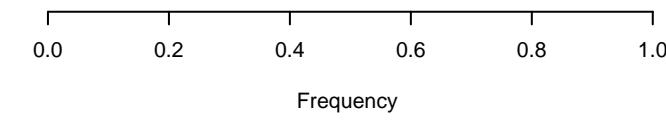
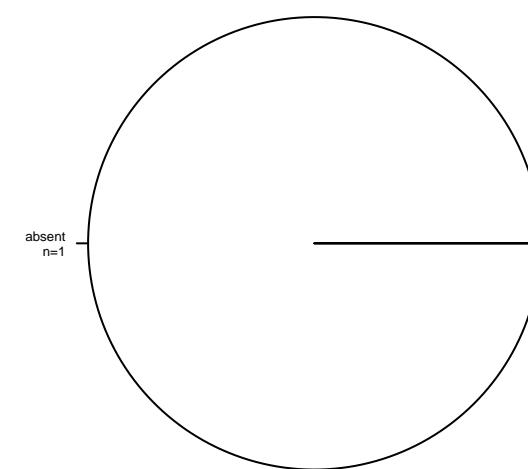
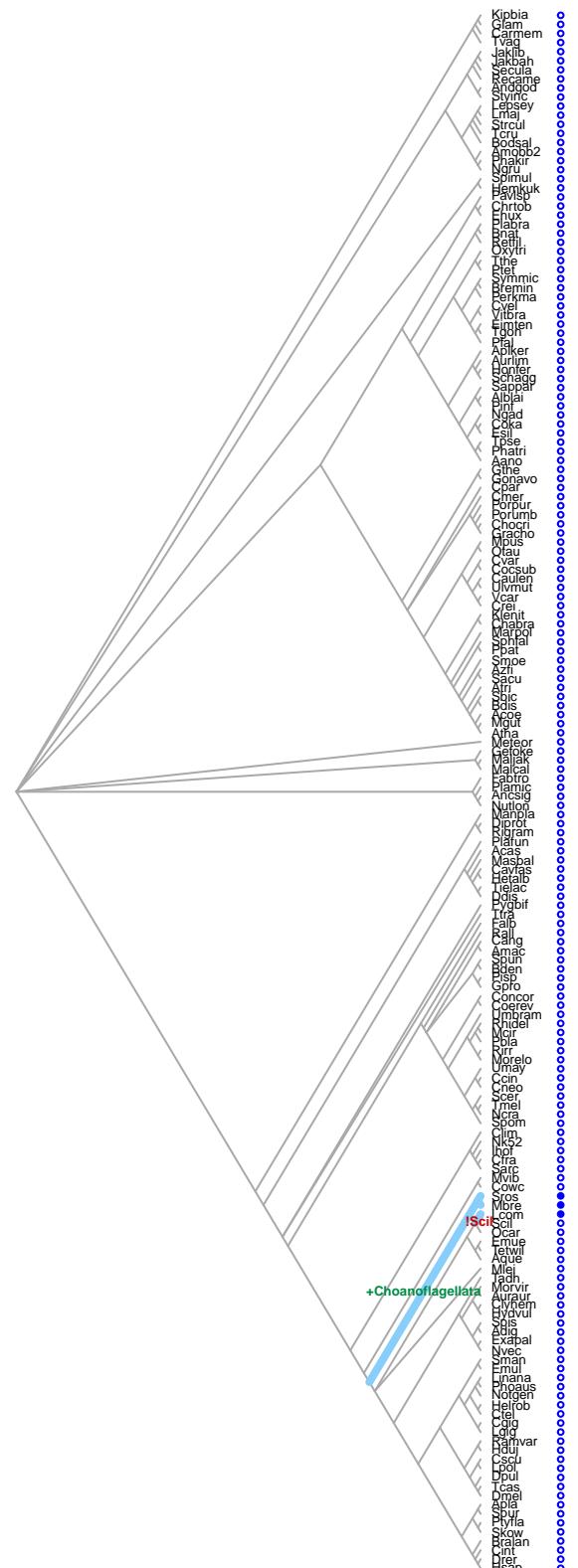


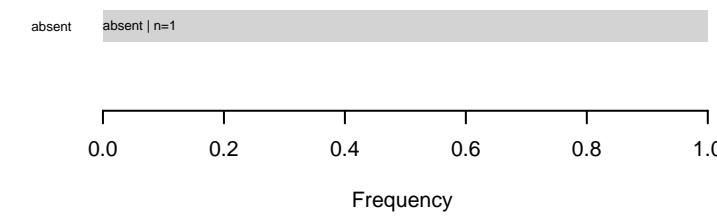
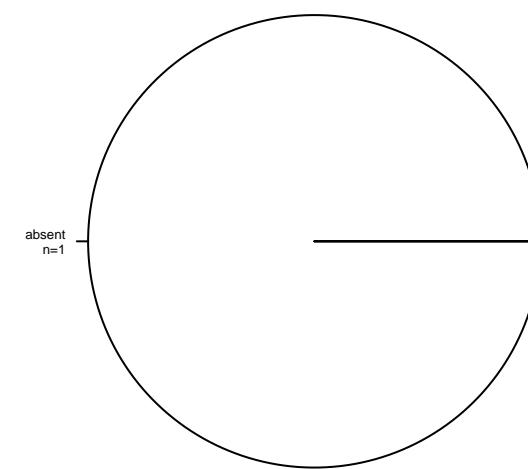
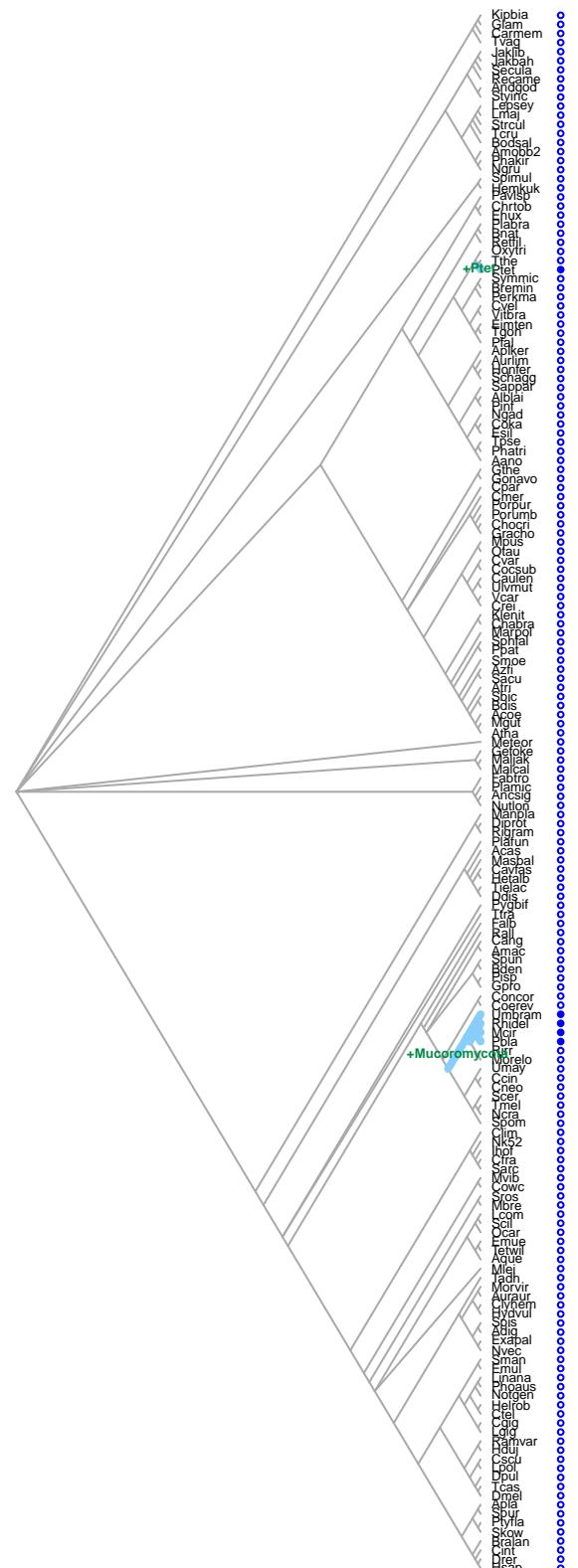


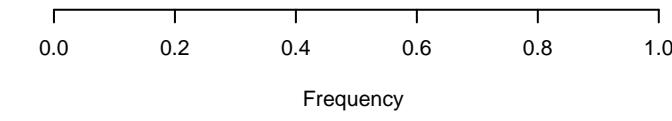
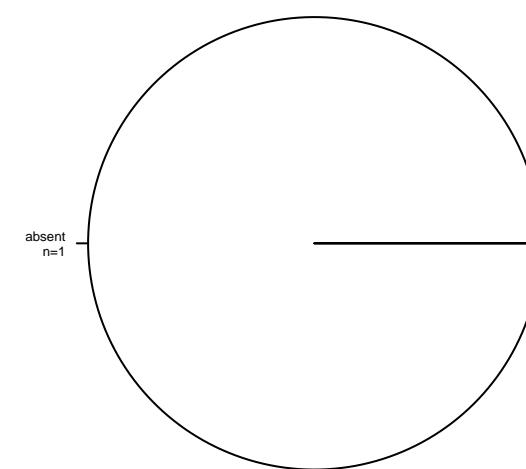
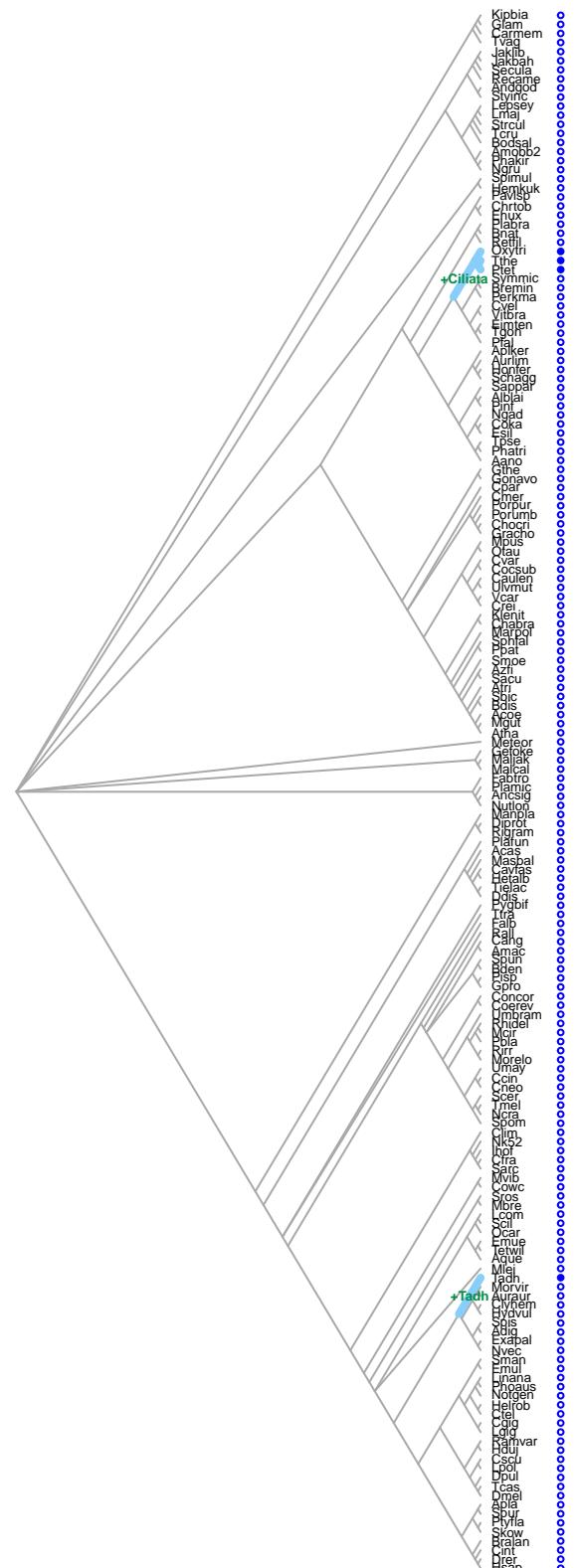


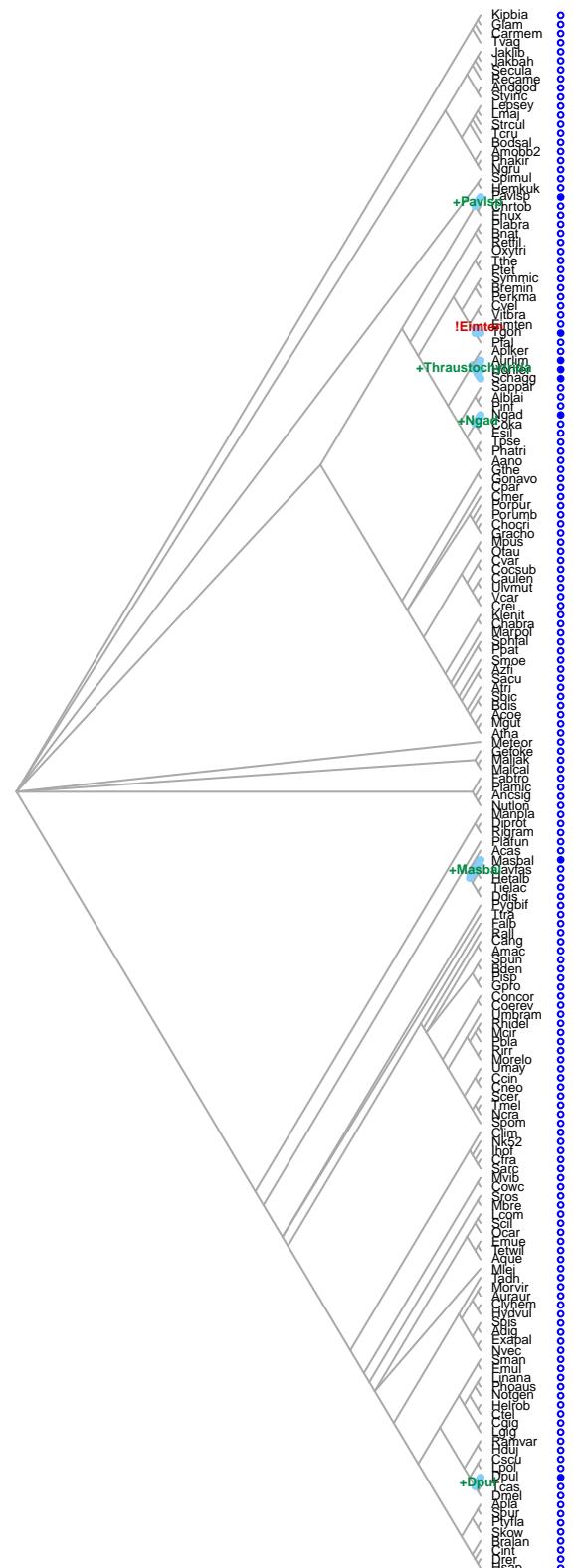
Gain: Gthe,Esil,NA
Presence Eukaryota prob = 0.01
Present: 2
Losses: NA









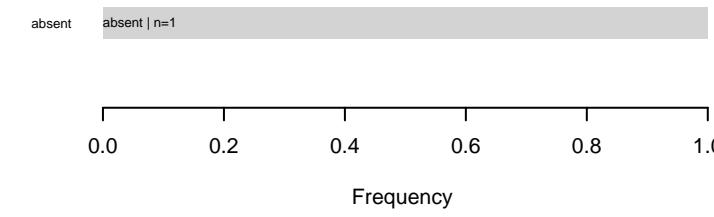
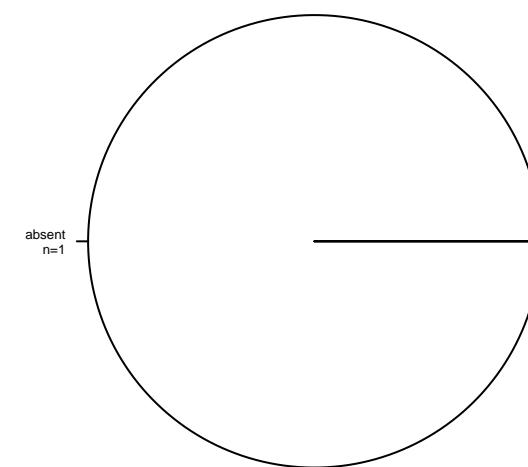


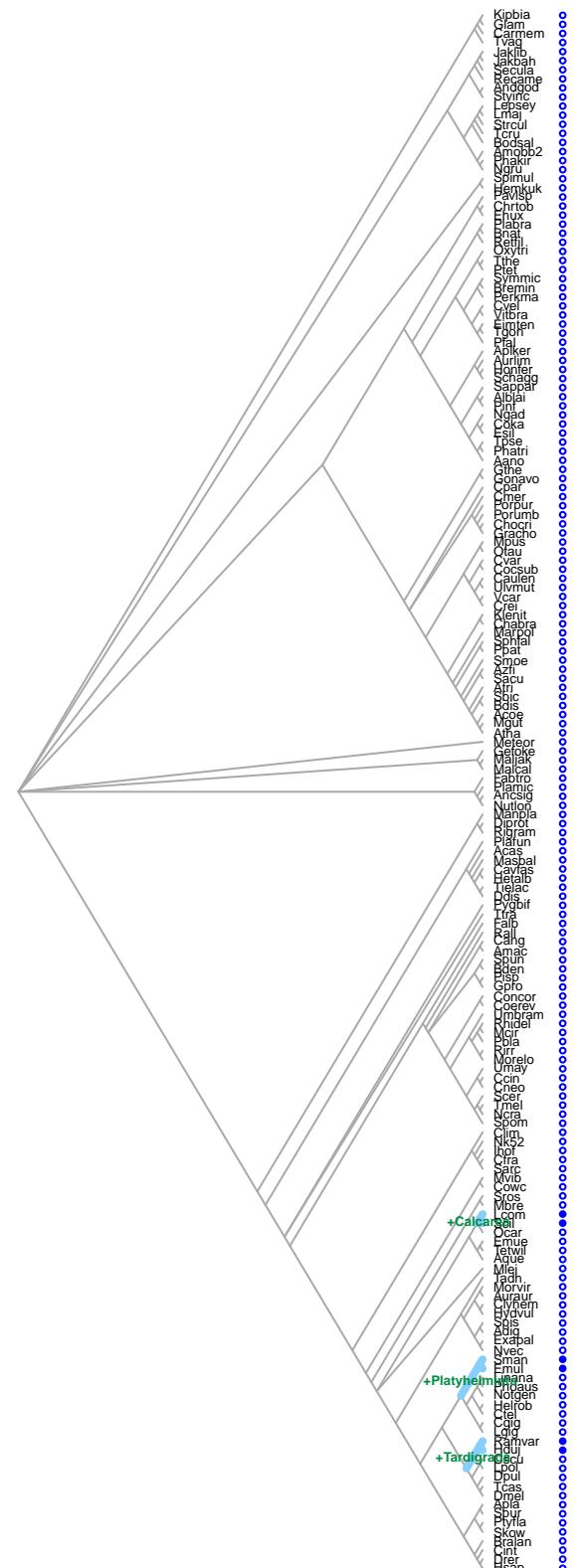
Gain: Dpul,Masbal,Ngad,Thraustochytrida,Pavlsp,NA

Presence Eukaryota prob = 0.00

Present: 8

Losses: NA



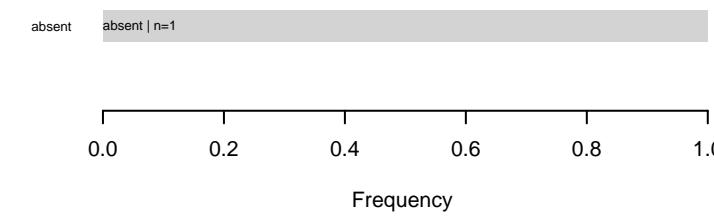
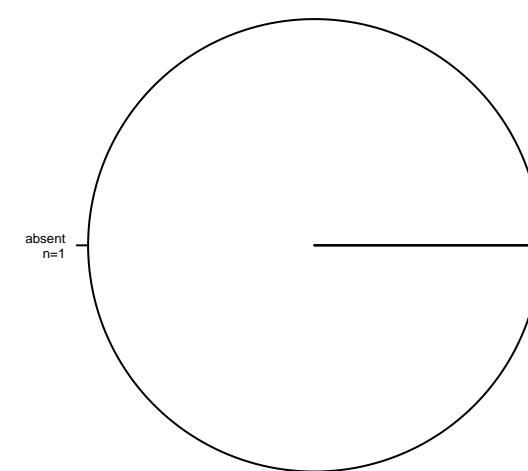


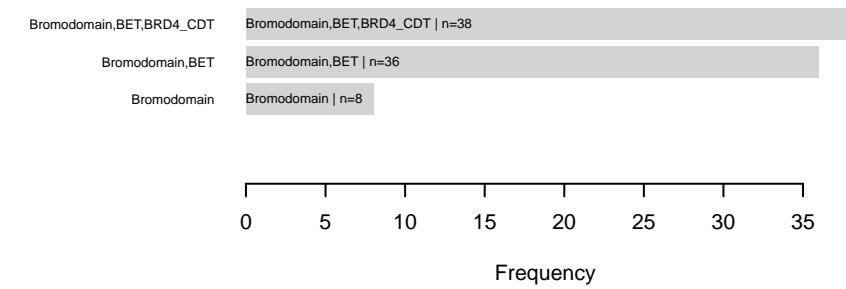
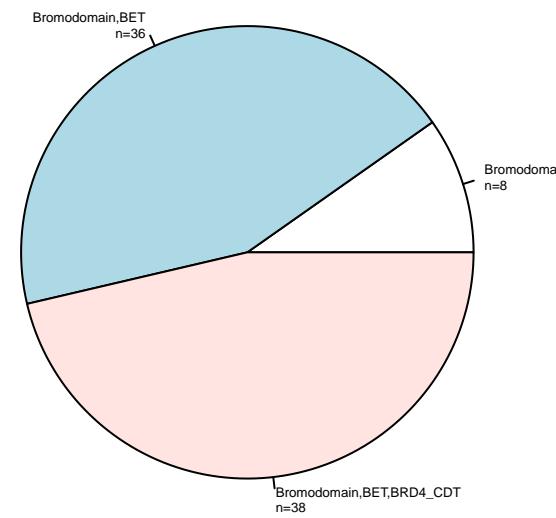
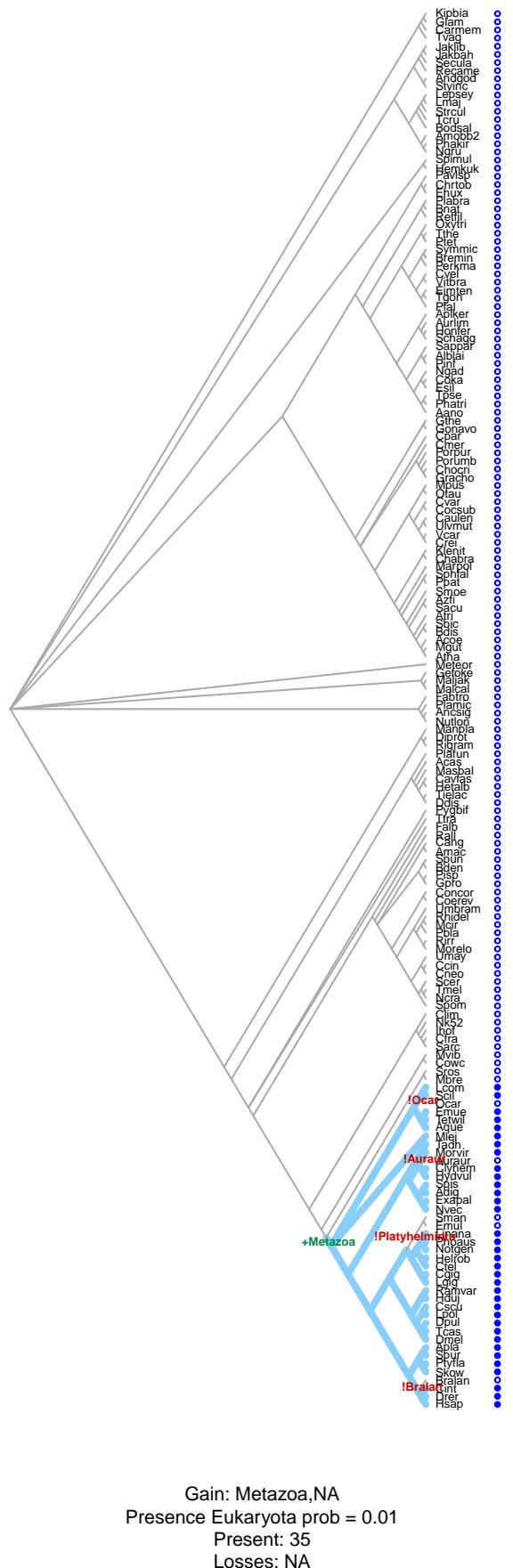
Gain: Tardigrada, Platyhelminta, Calcarea, NA

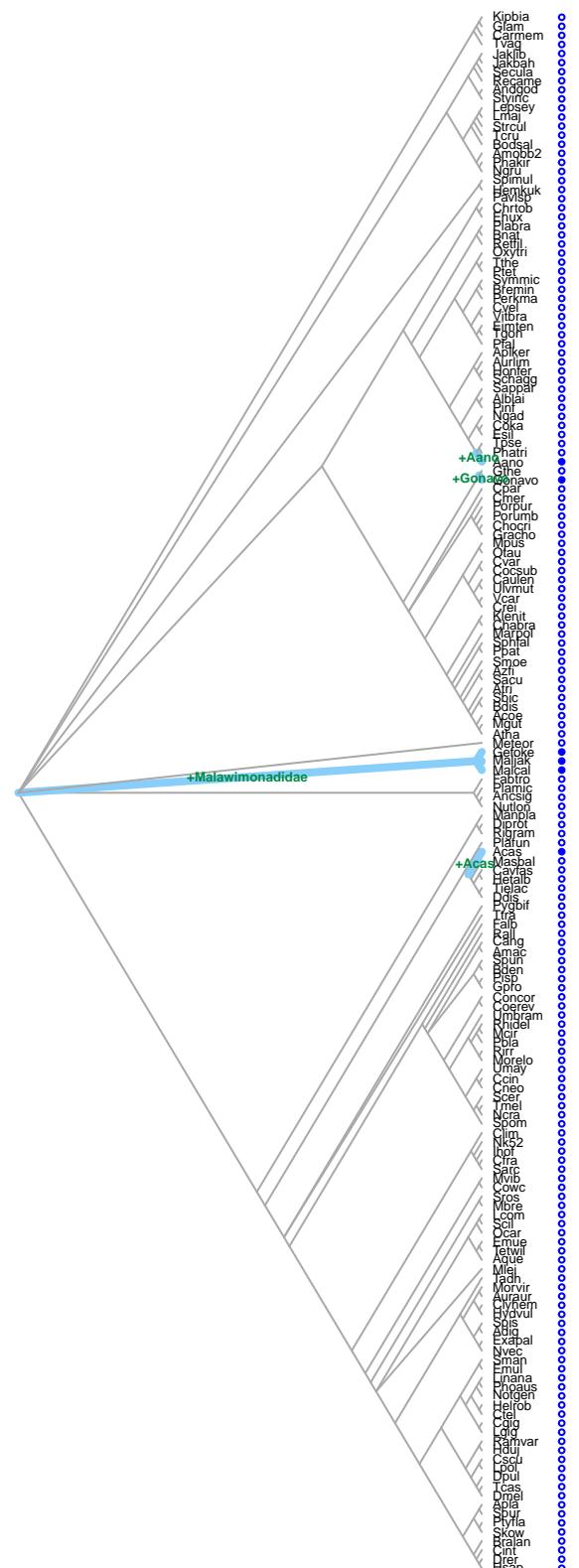
Presence Eukaryota prob = 0.00

Present: 6

Losses: NA





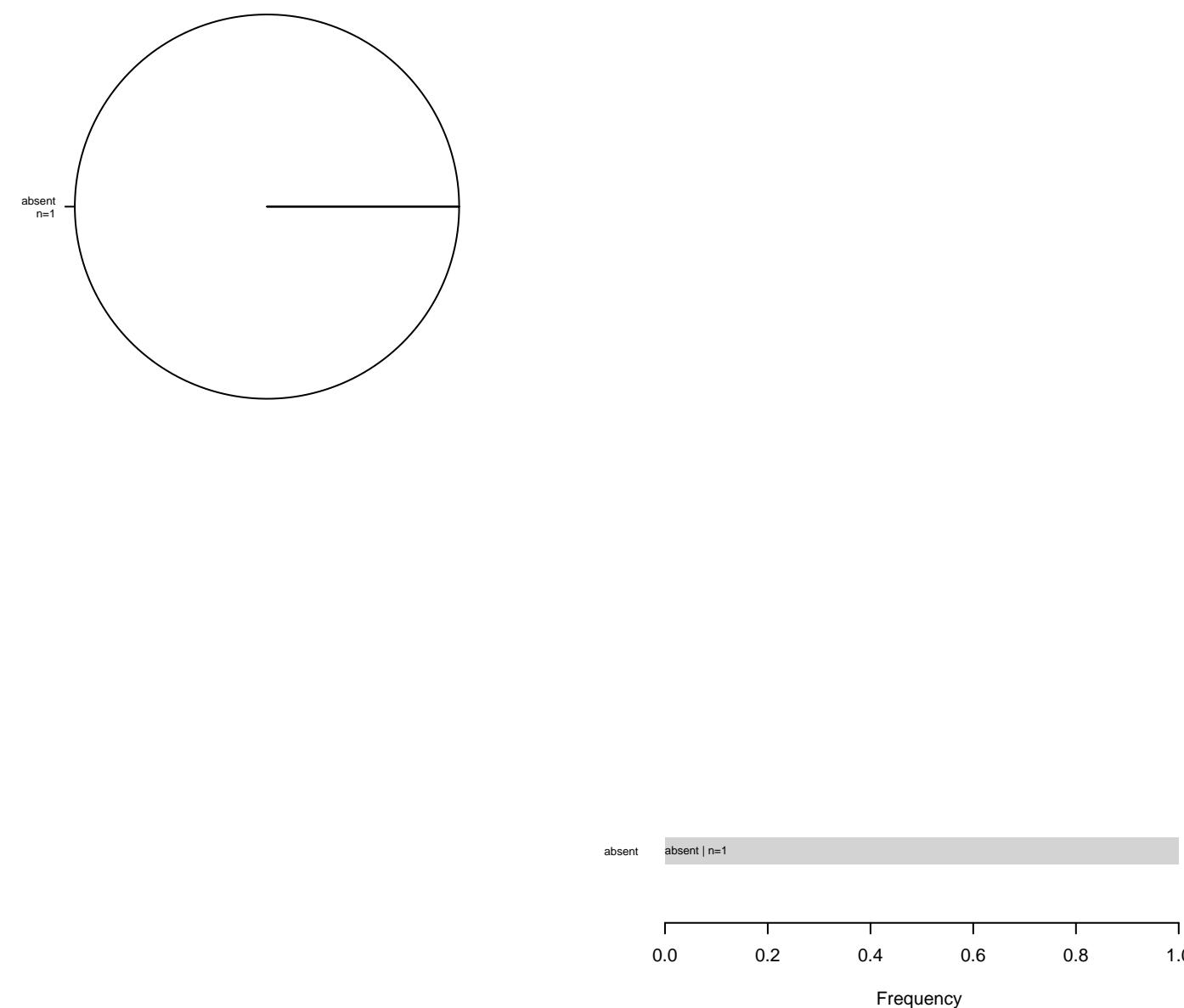


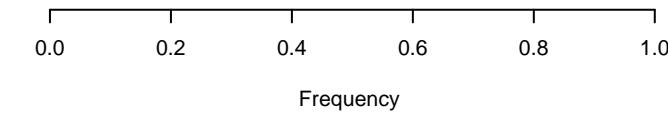
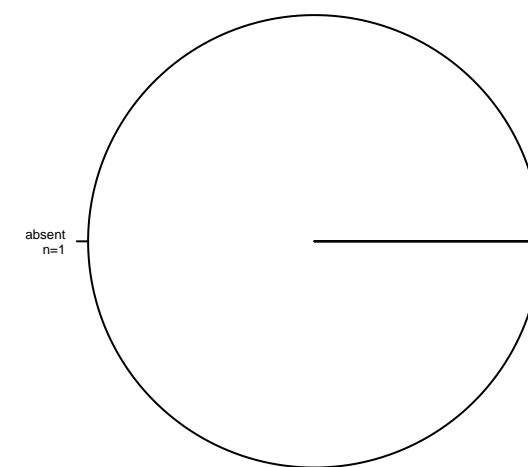
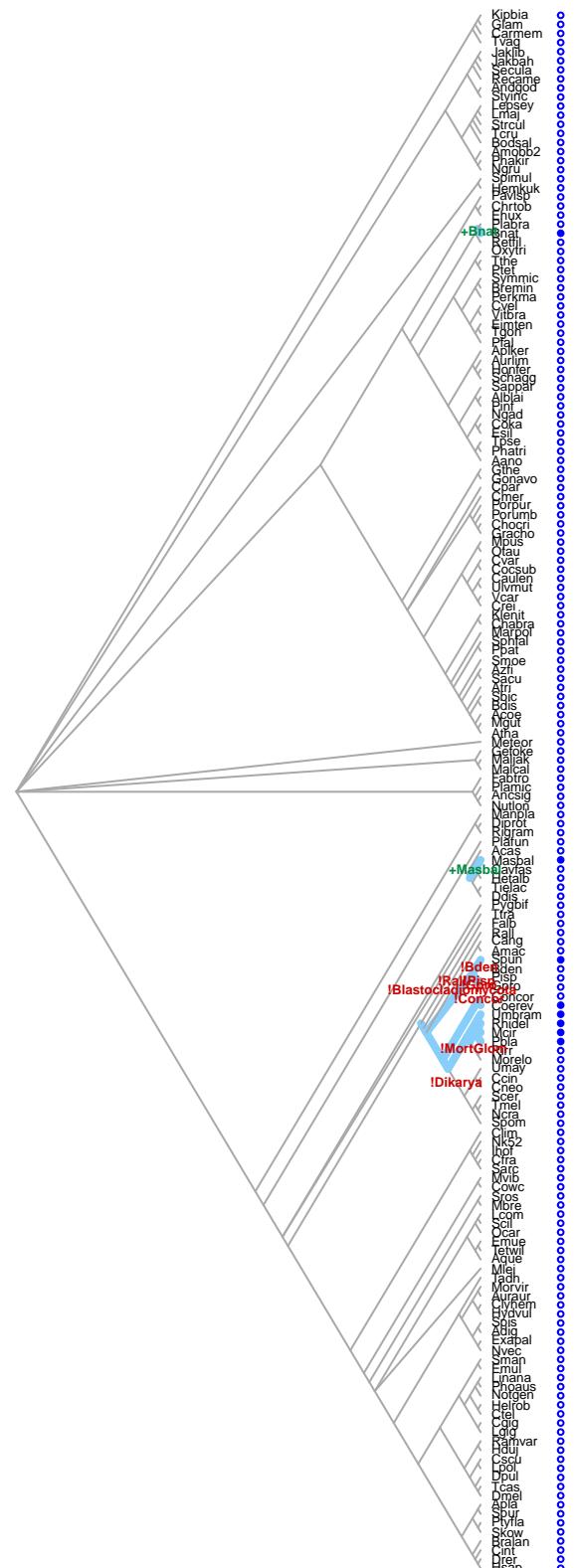
Gain: Acas,Malawimonadidae,Gonavo,Aano,NA

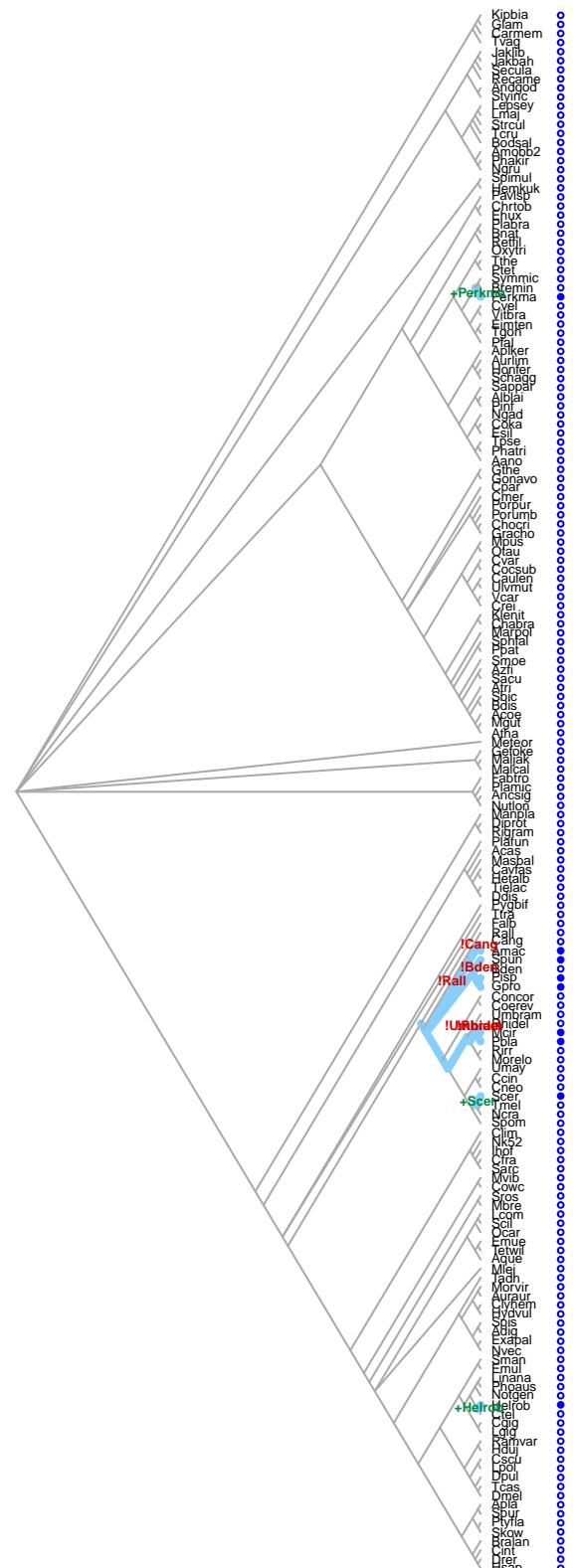
Presence Eukaryota prob = 0.15

Present: 6

Losses: NA





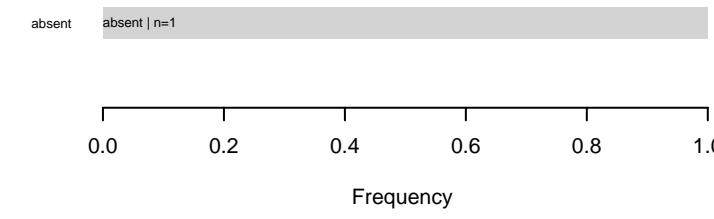
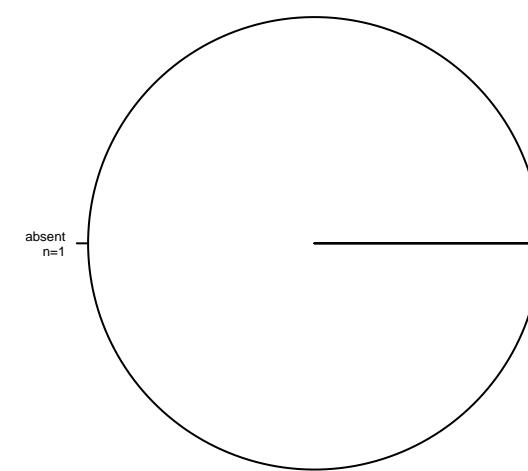


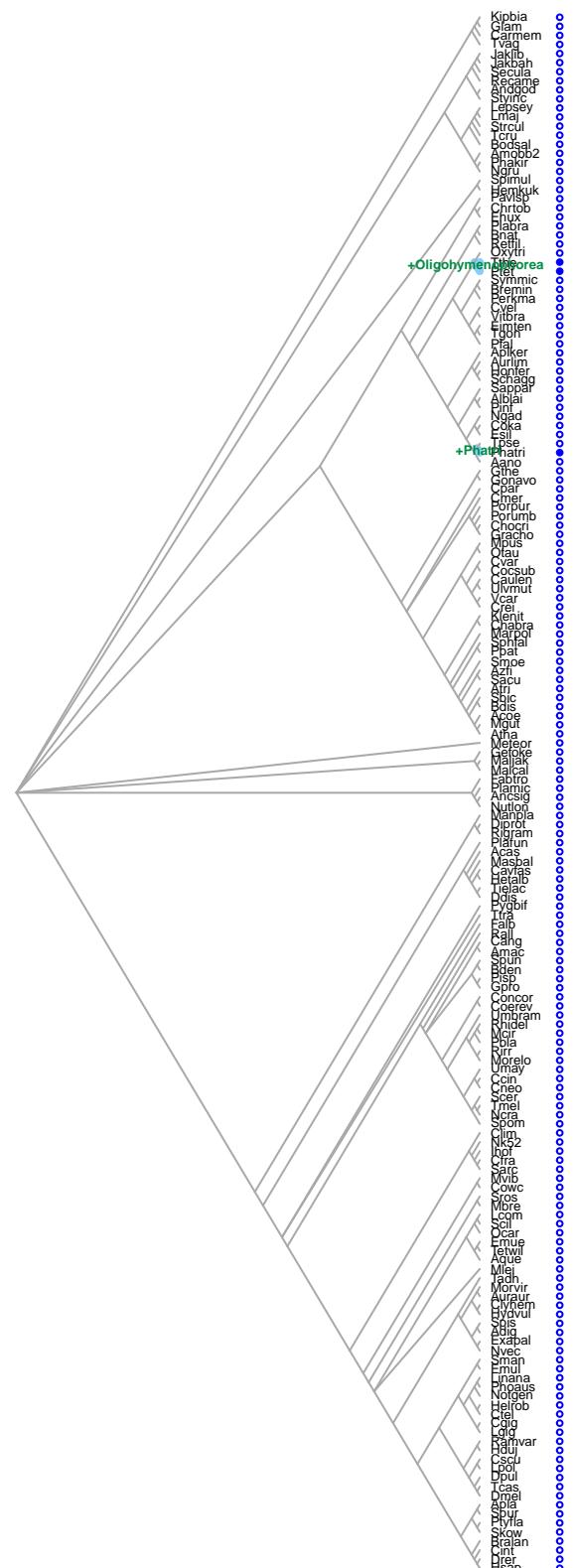
Gain: Heirob,Scer,Perkma,NA

Presence Eukaryota prob = 0.00

Present: 9

Losses: NA



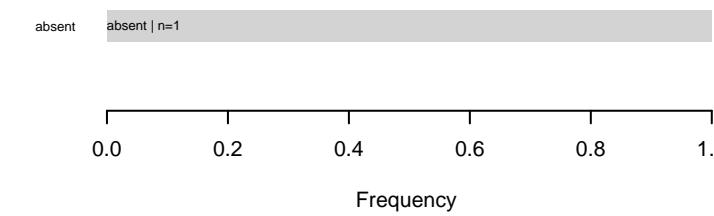
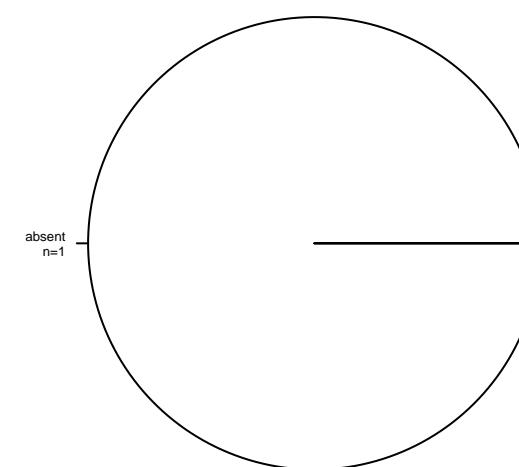


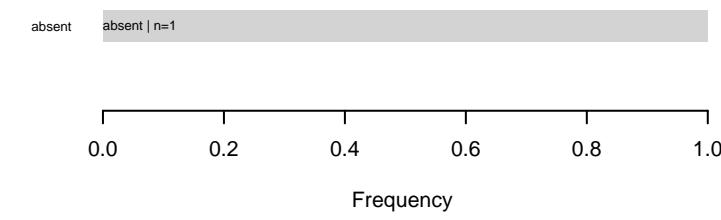
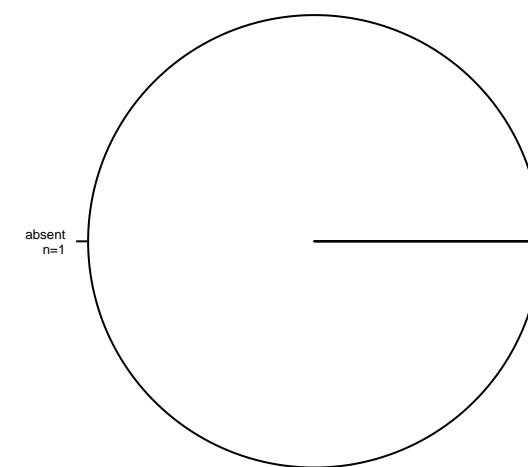
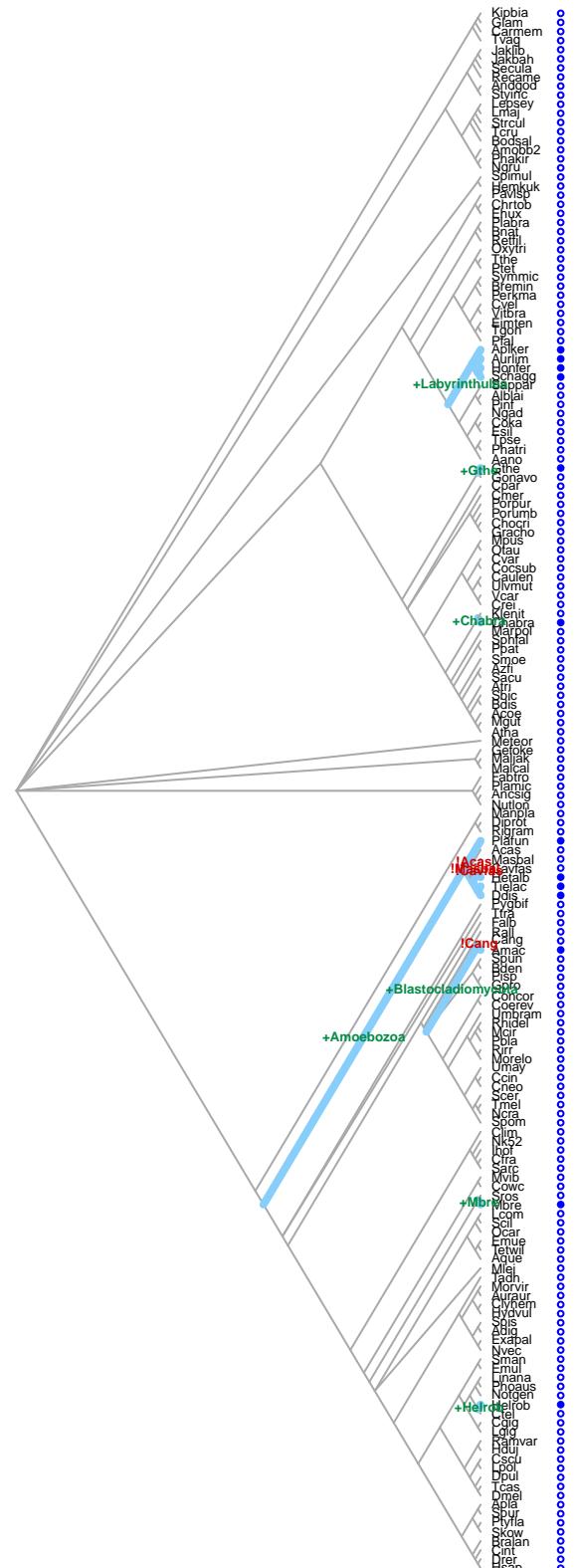
Gain: Phatri,Oligohymenophorea,NA

Presence Eukaryota prob = 0.00

Present: 3

Losses: NA



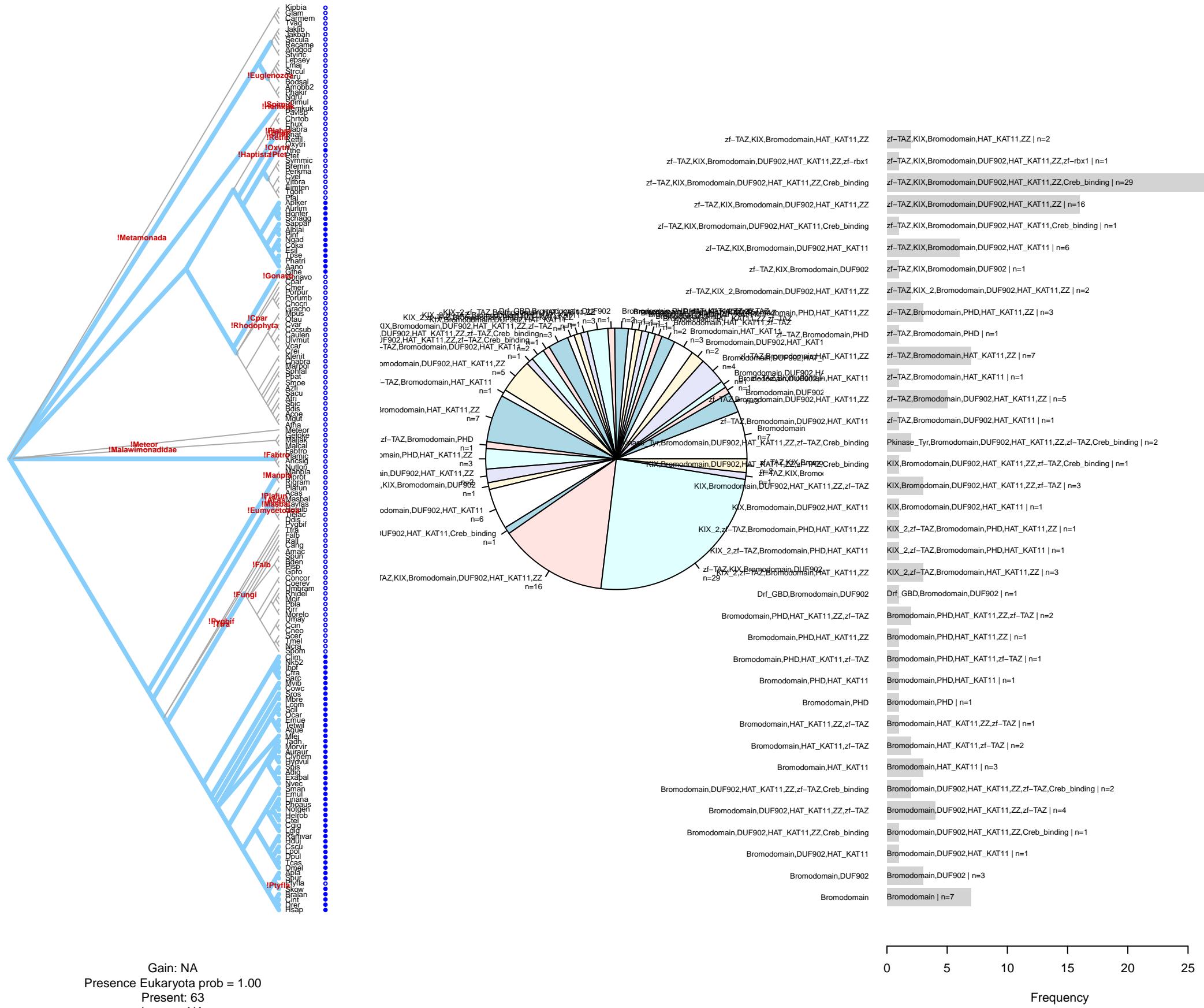


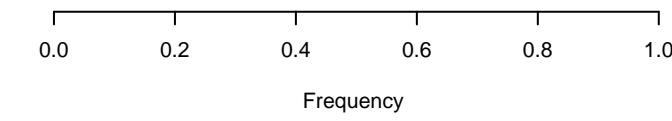
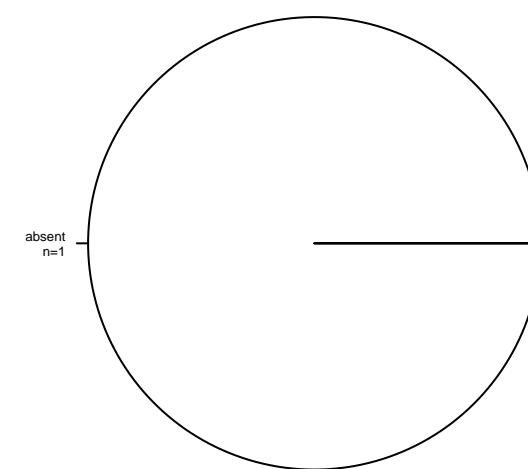
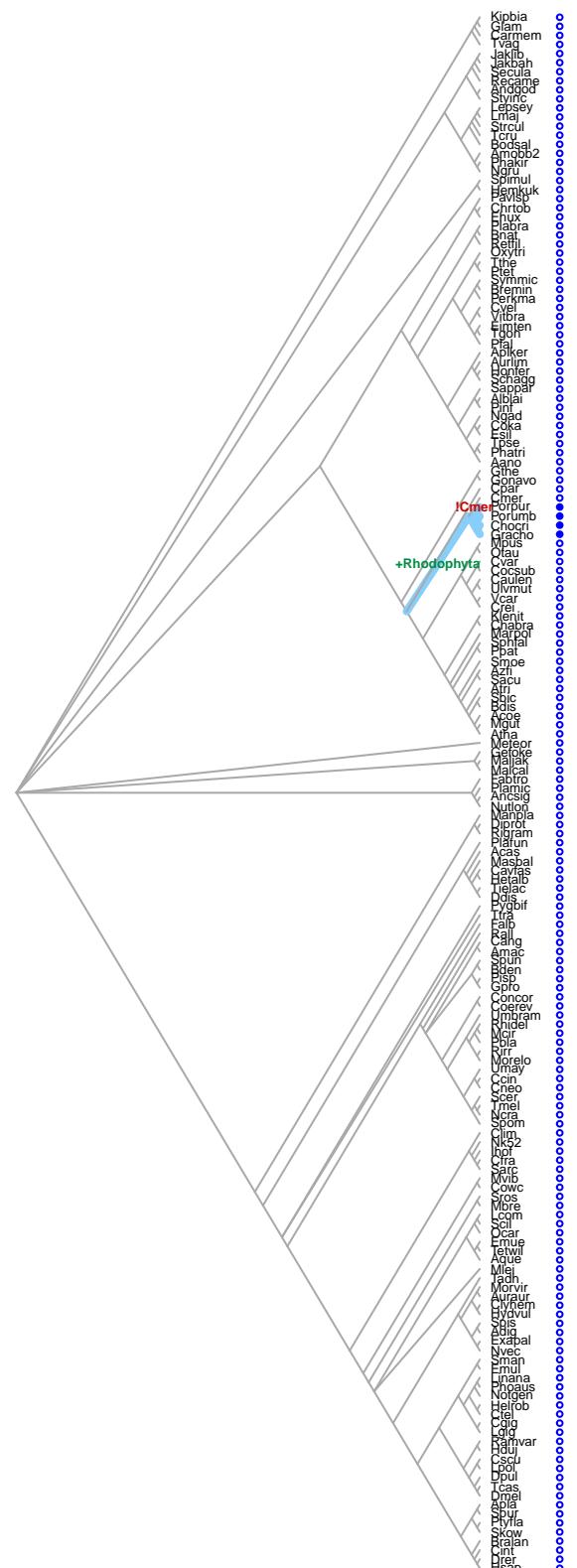
Gain: Helrob,Mbre,Blastocladiomycota,Amoebozoa,Chabra,Gthe,Labyrinthulea,

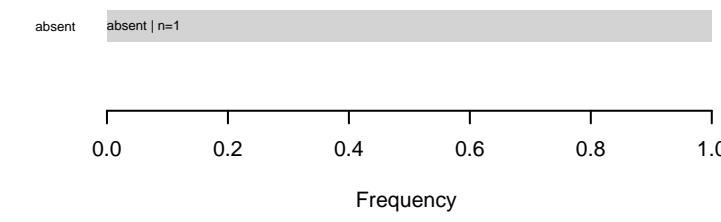
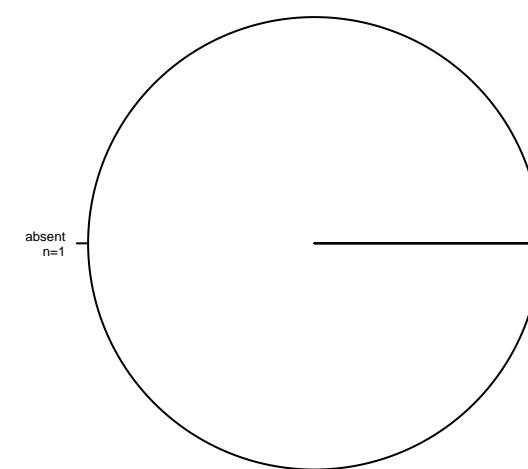
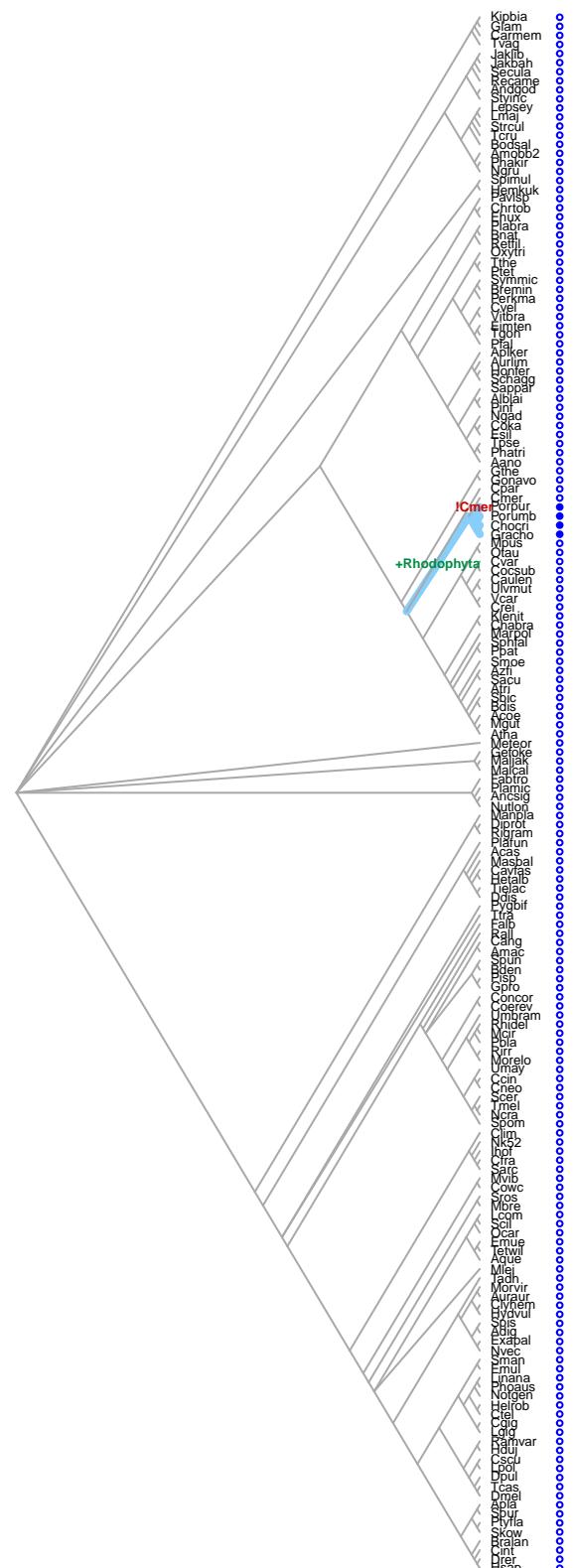
Presence Eukaryota prob = 0.18

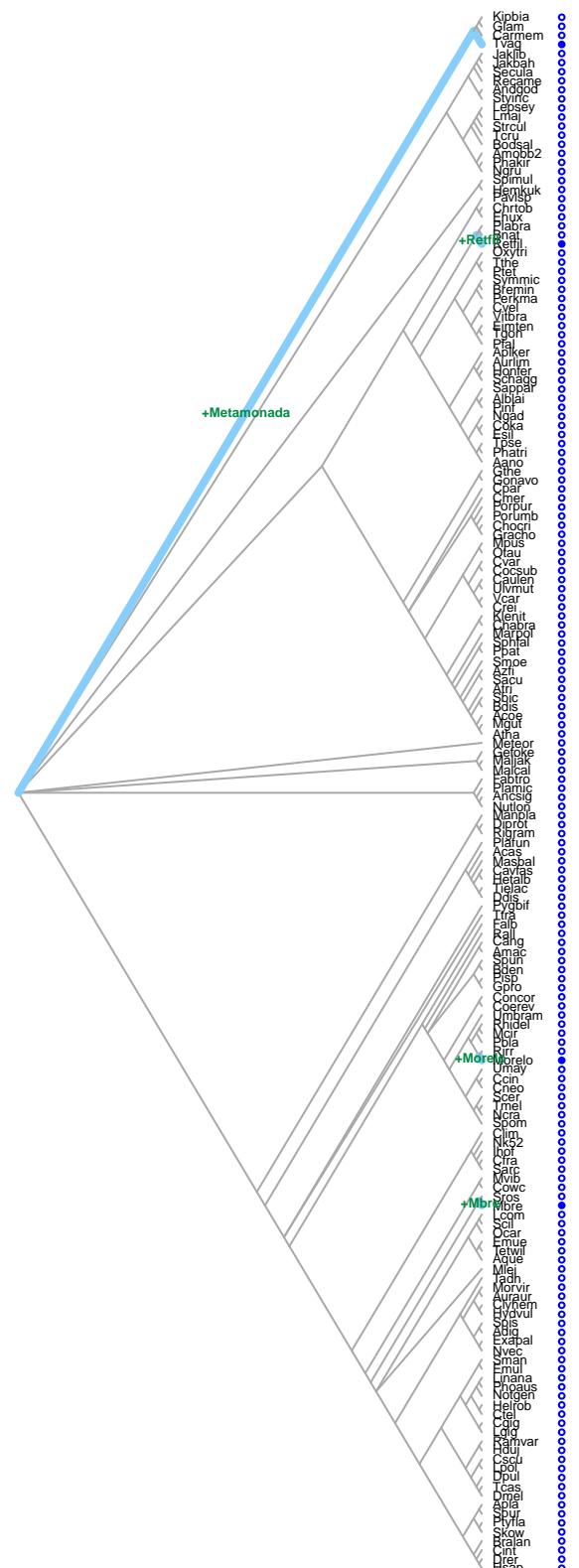
Present: 13

Losses: NA







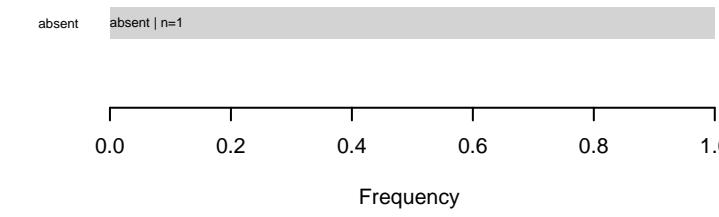
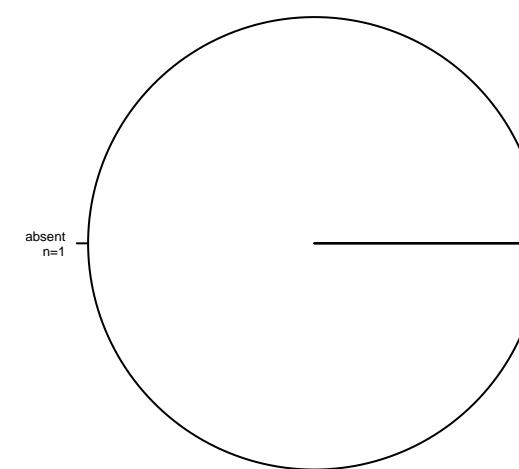


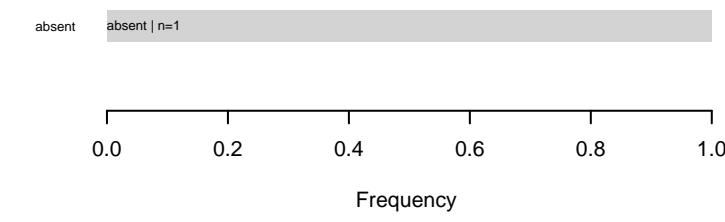
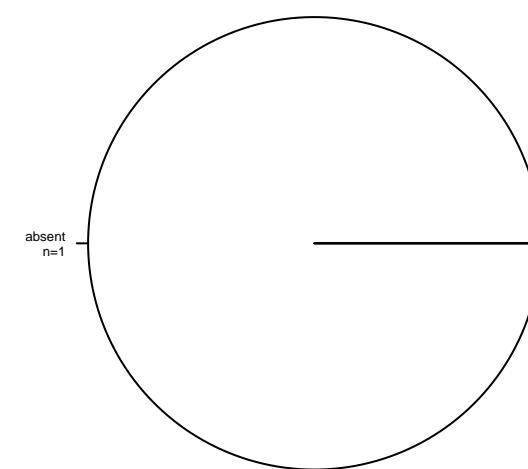
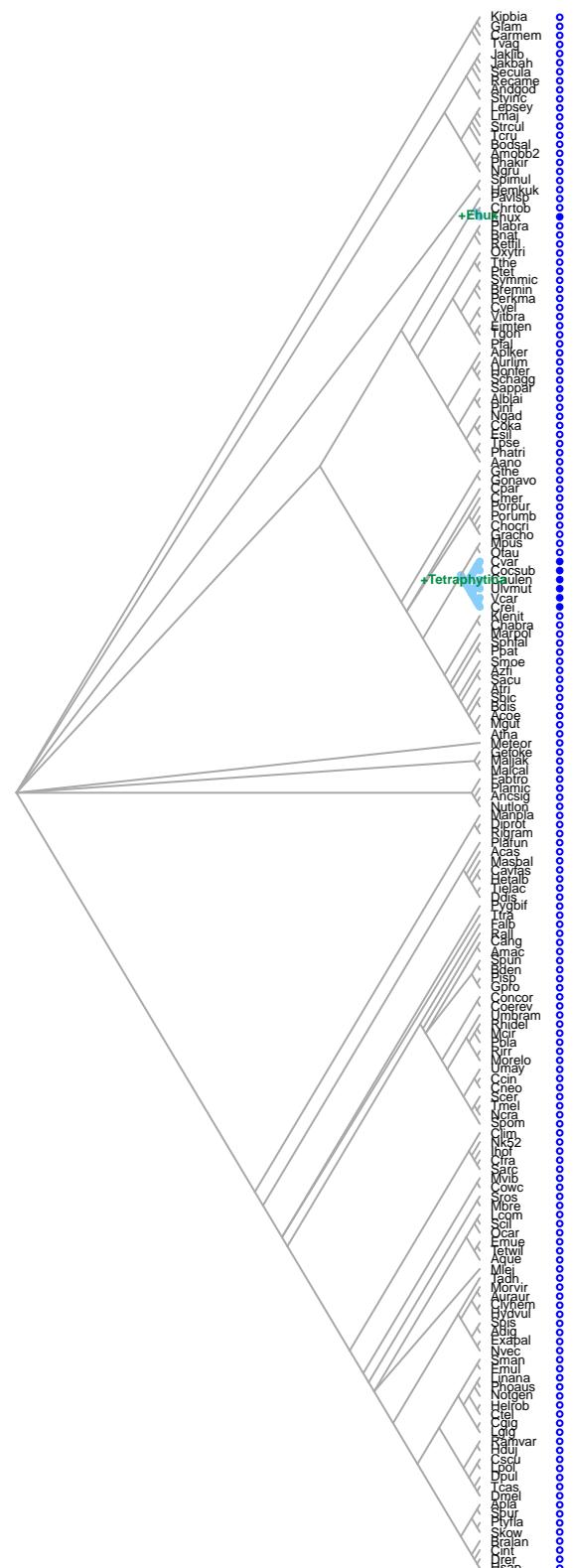
Gain: Mbre,Morelo,Retfil,Metamonada,NA

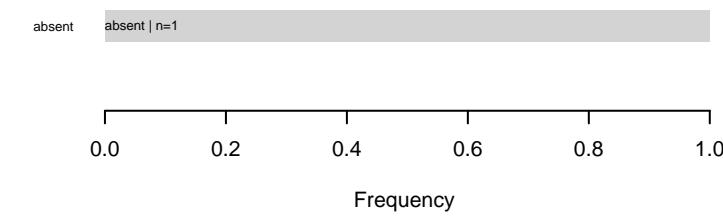
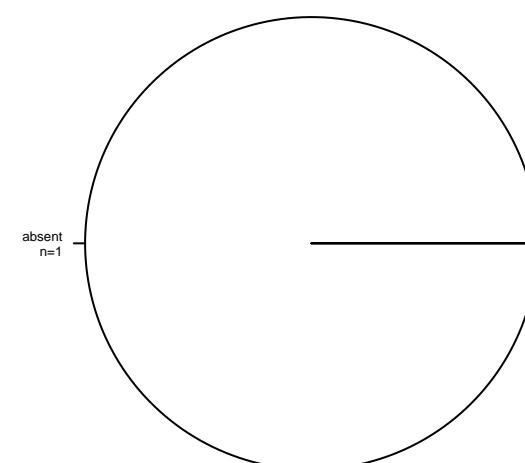
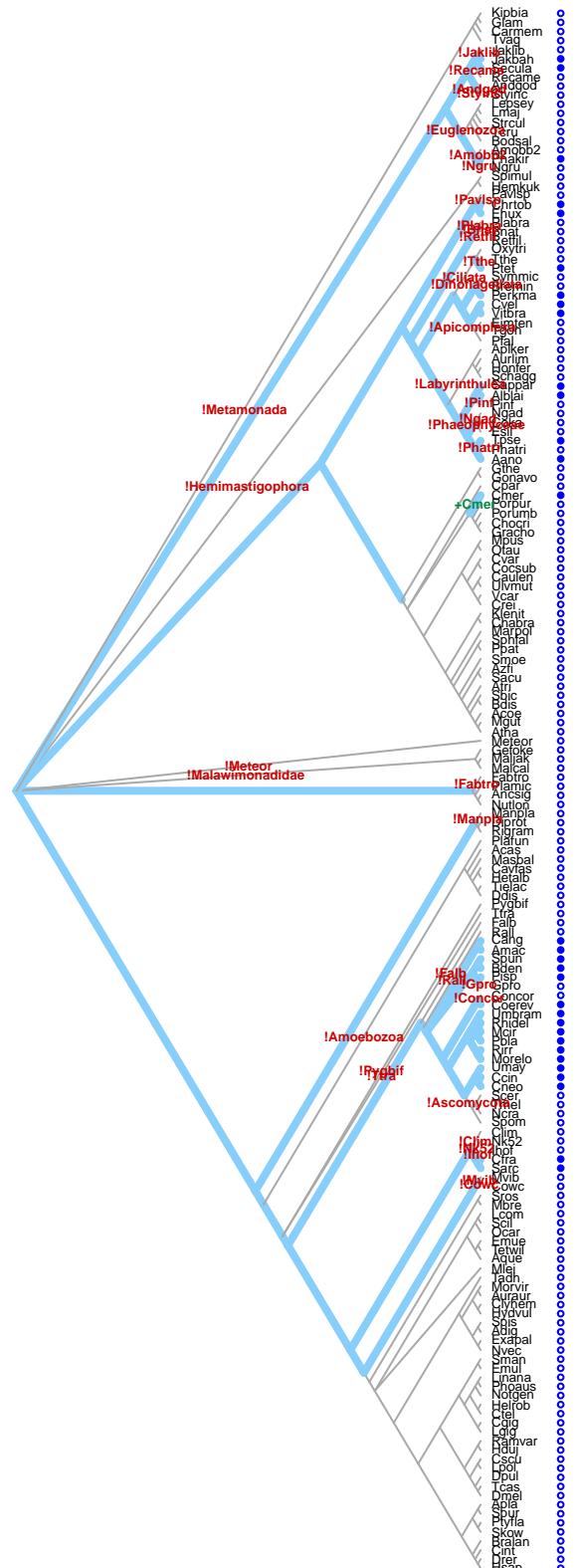
Presence Eukaryota prob = 0.00

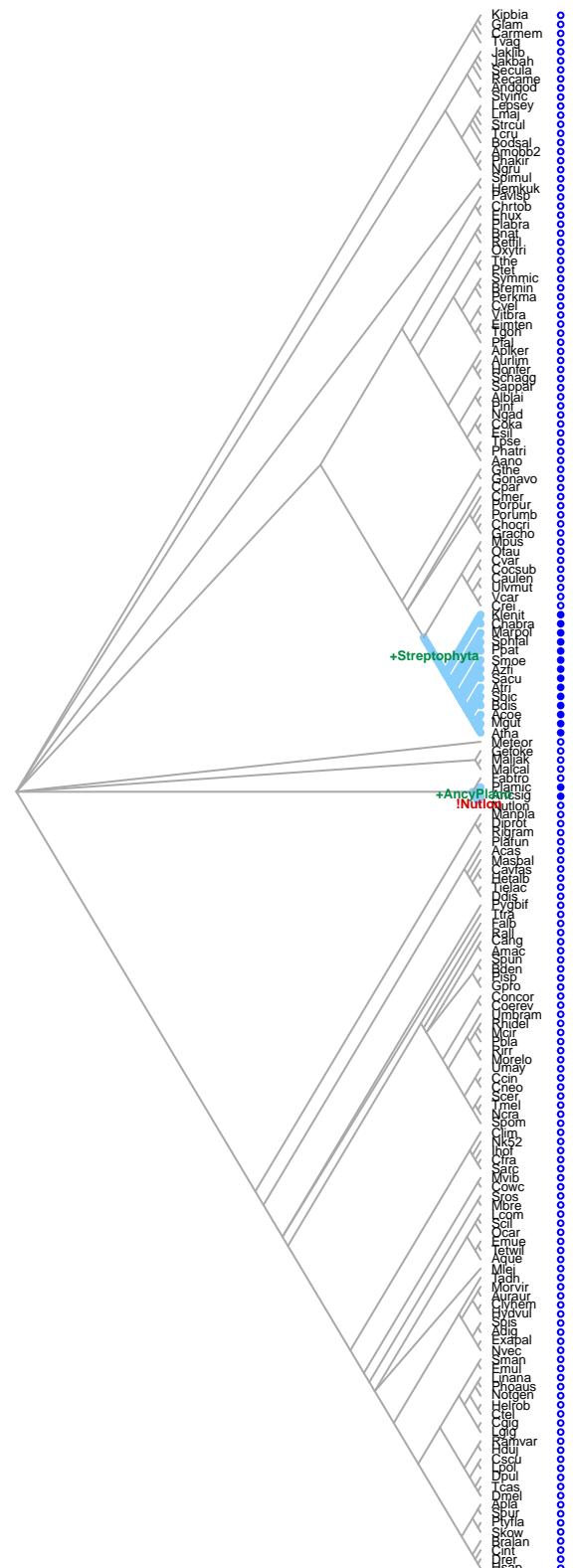
Present: 4

Losses: NA







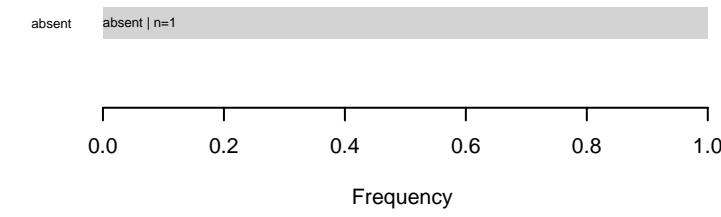
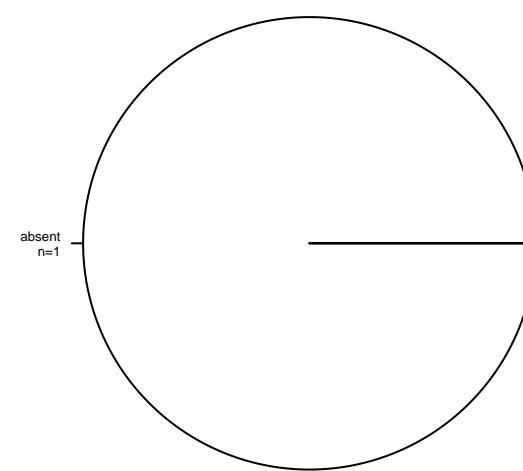


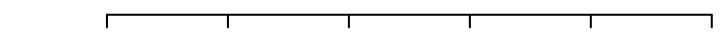
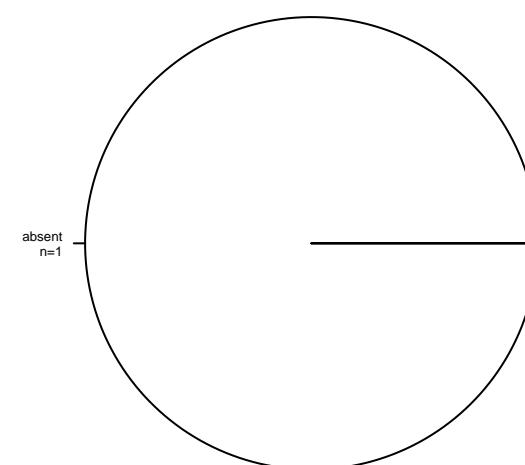
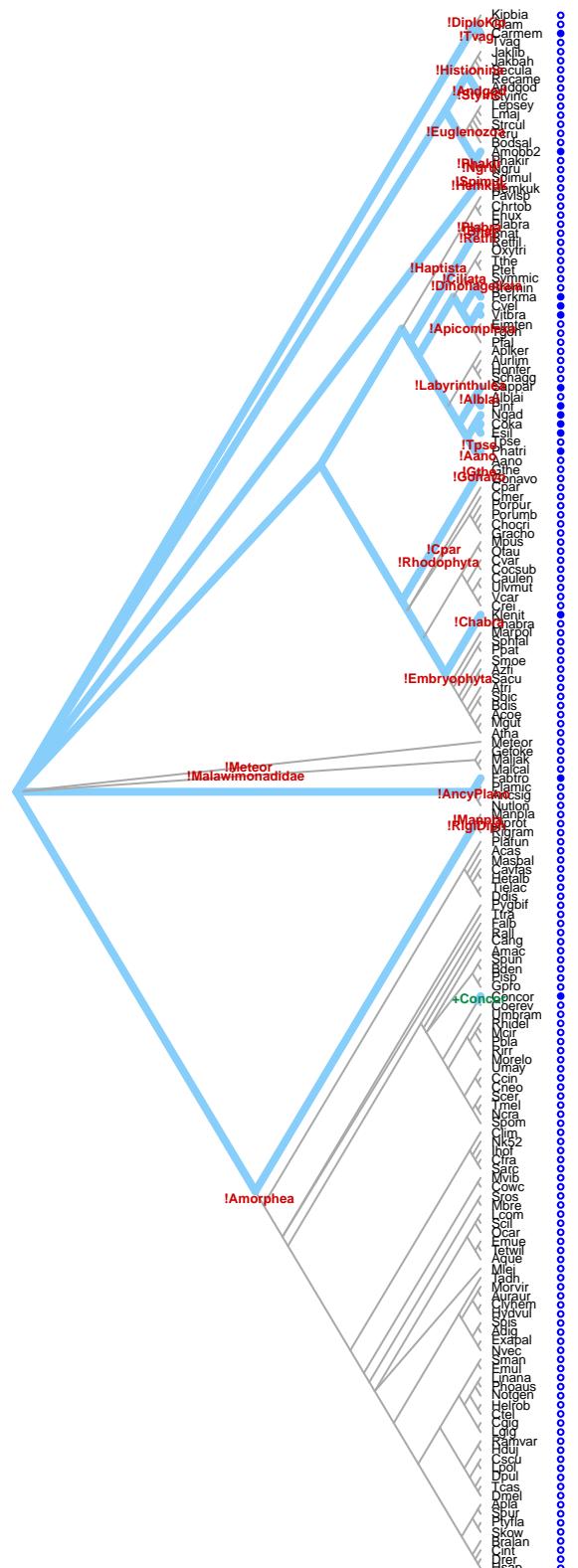
Gain: AncyPlano, Streptophyta, NA

Presence Eukaryota prob = 0.09

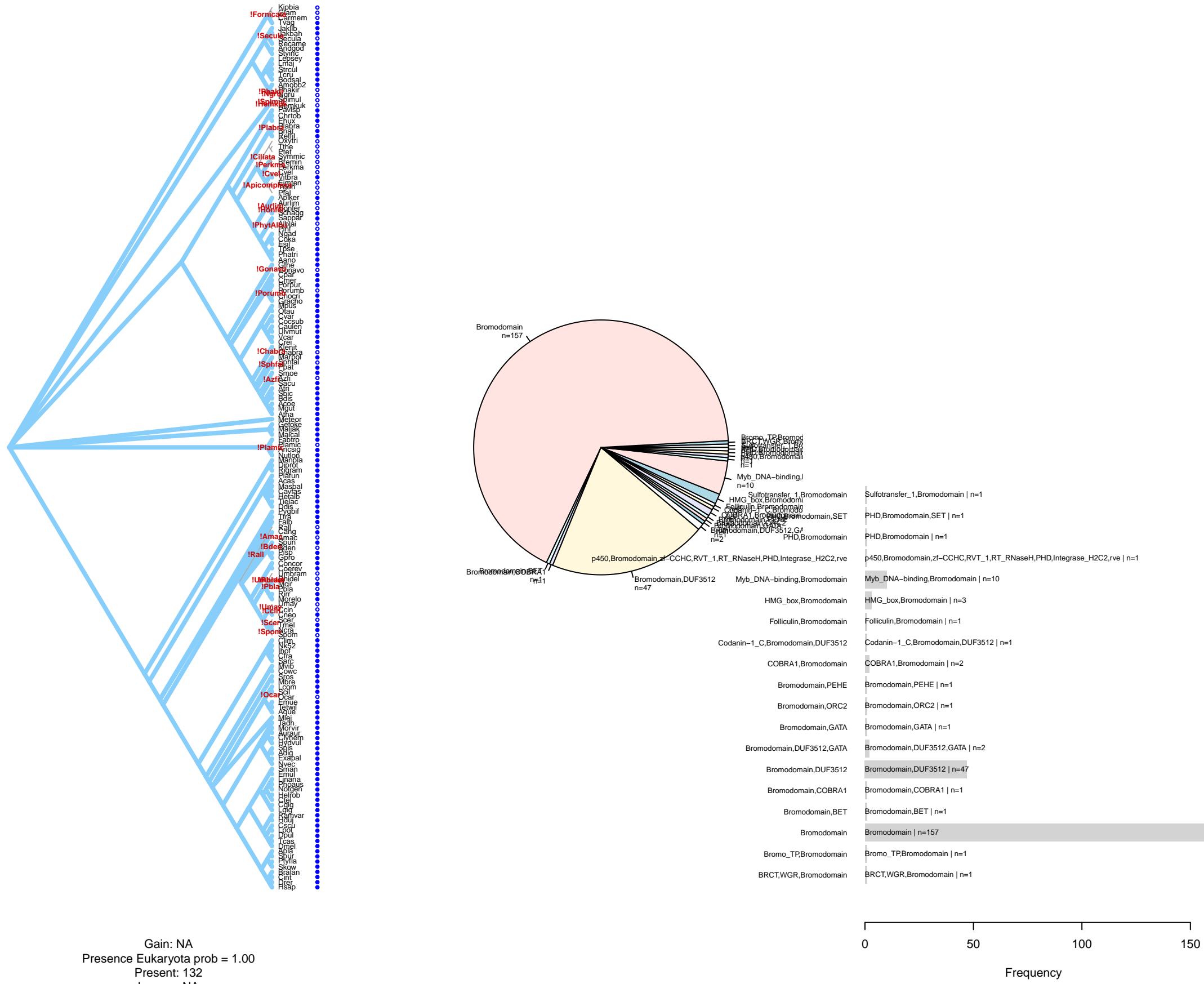
Present: 16

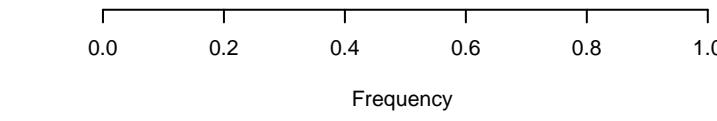
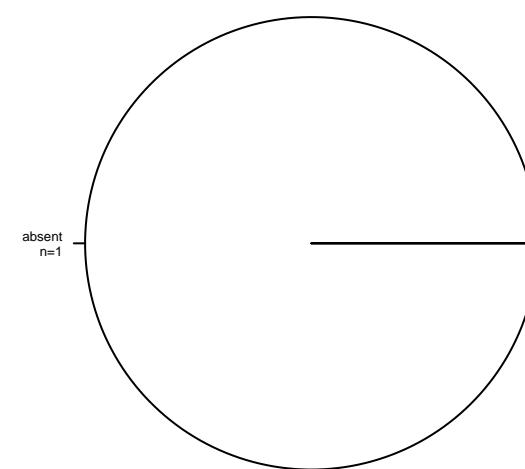
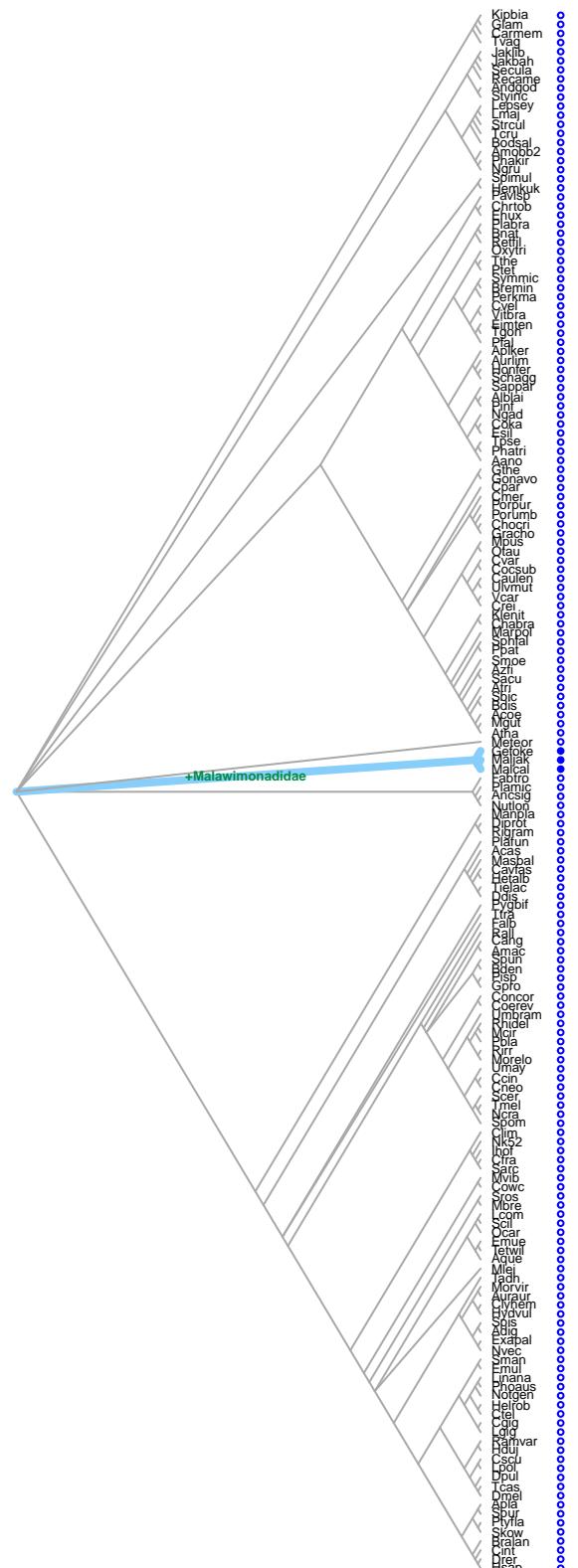
Losses: NA

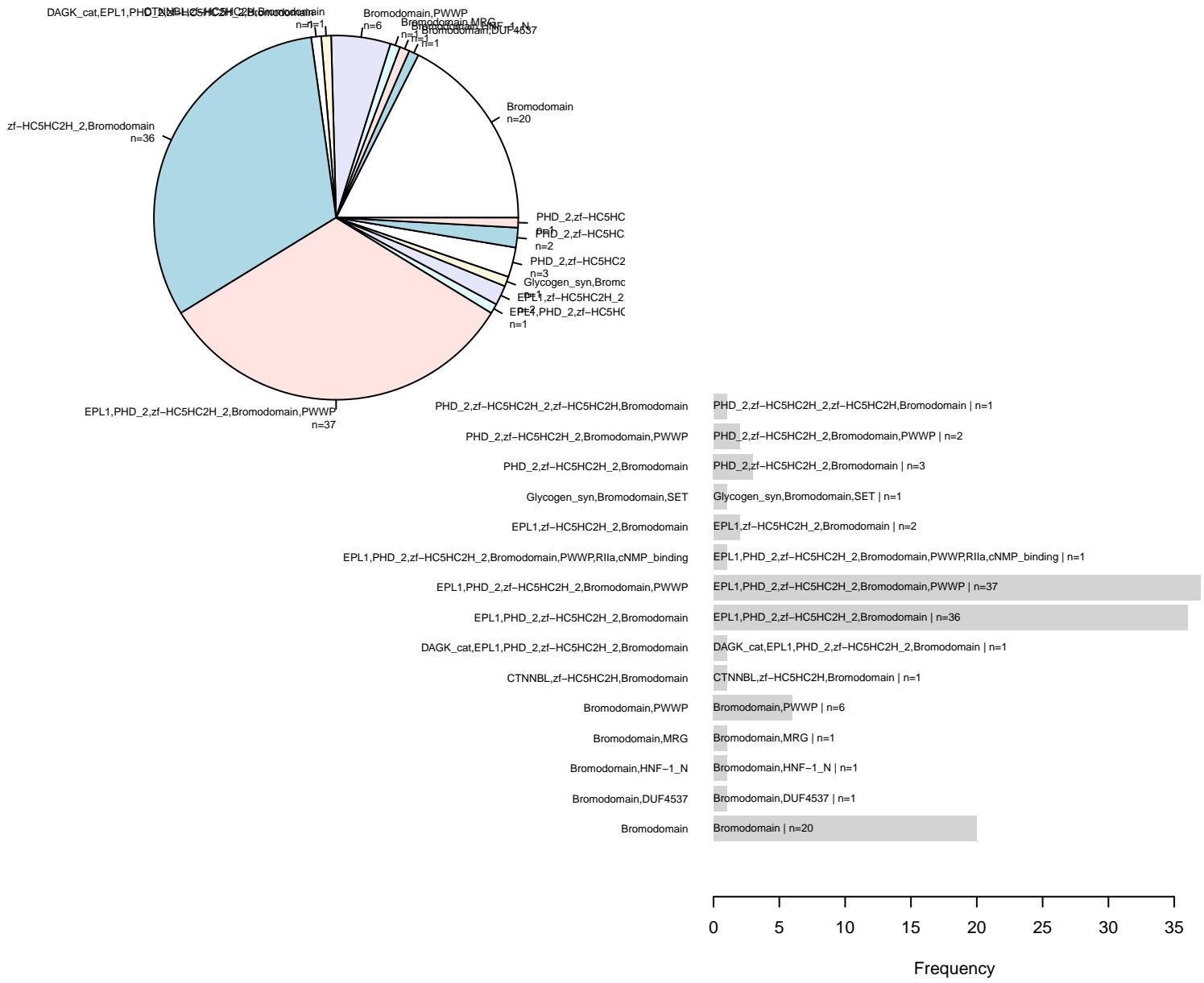
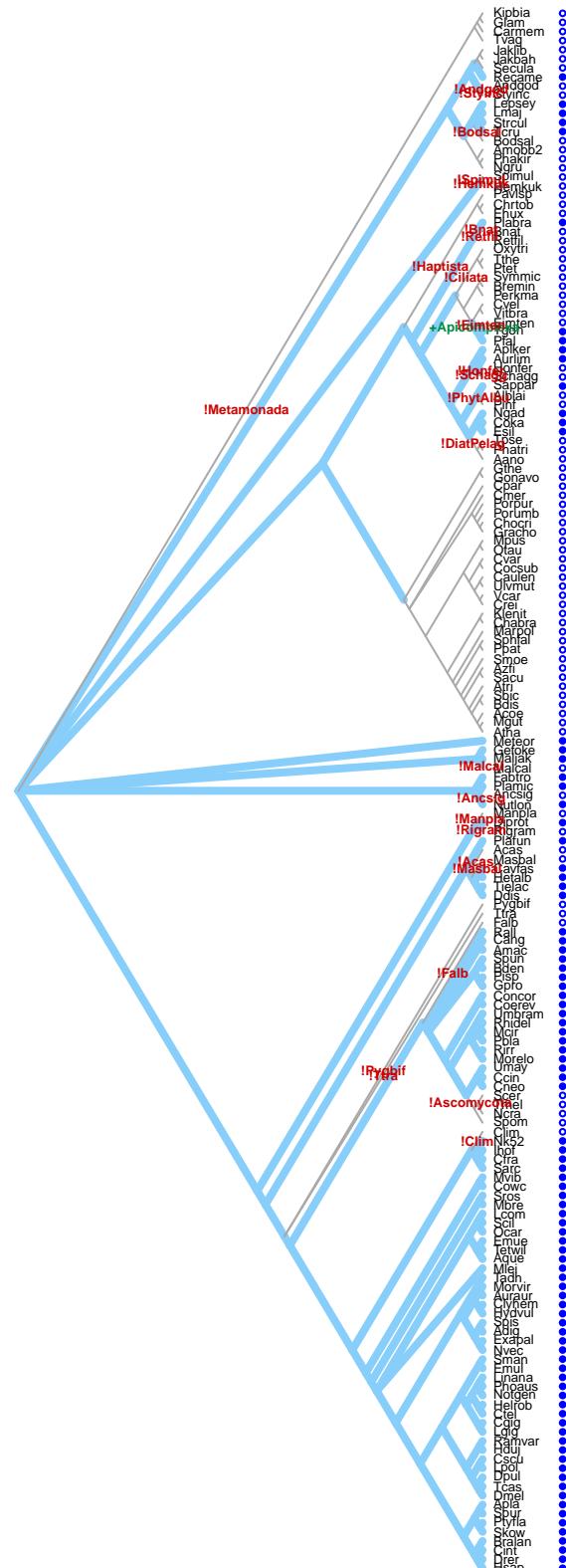


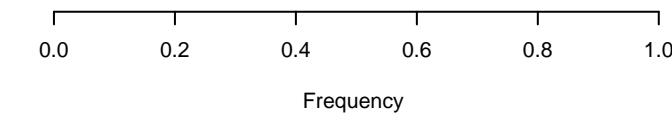
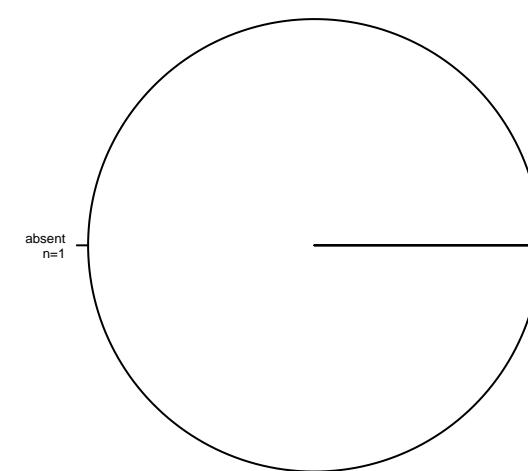
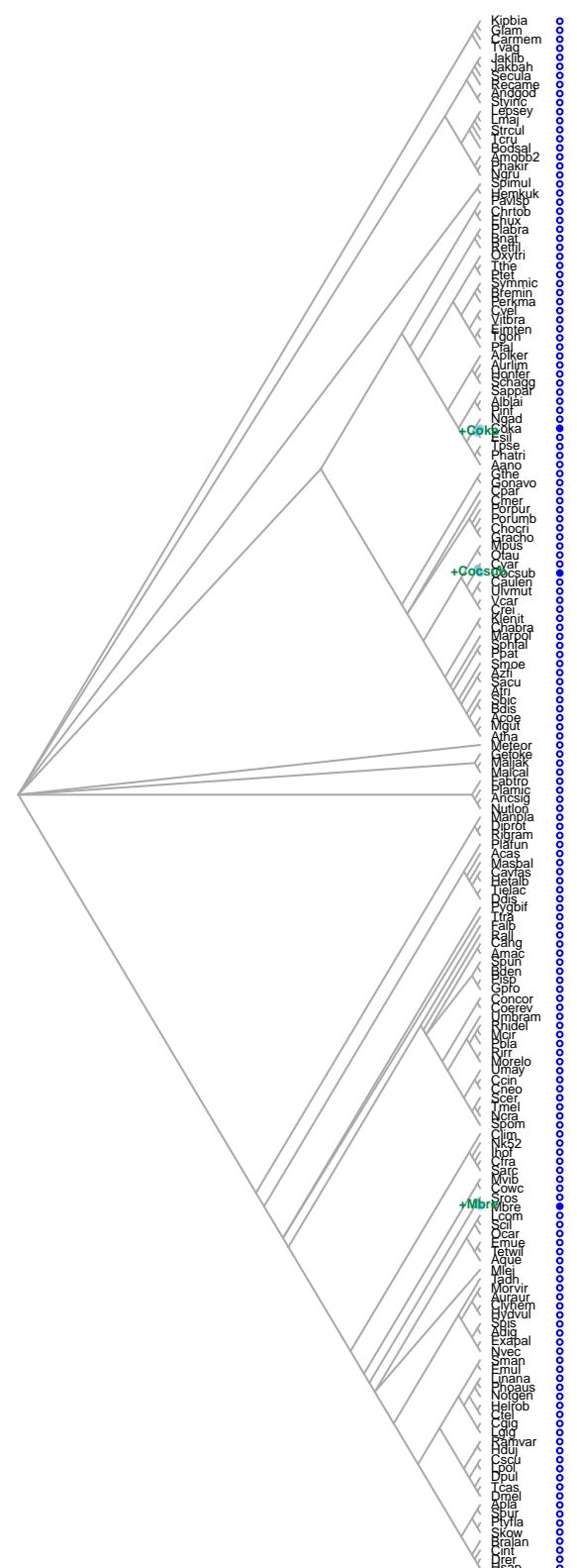


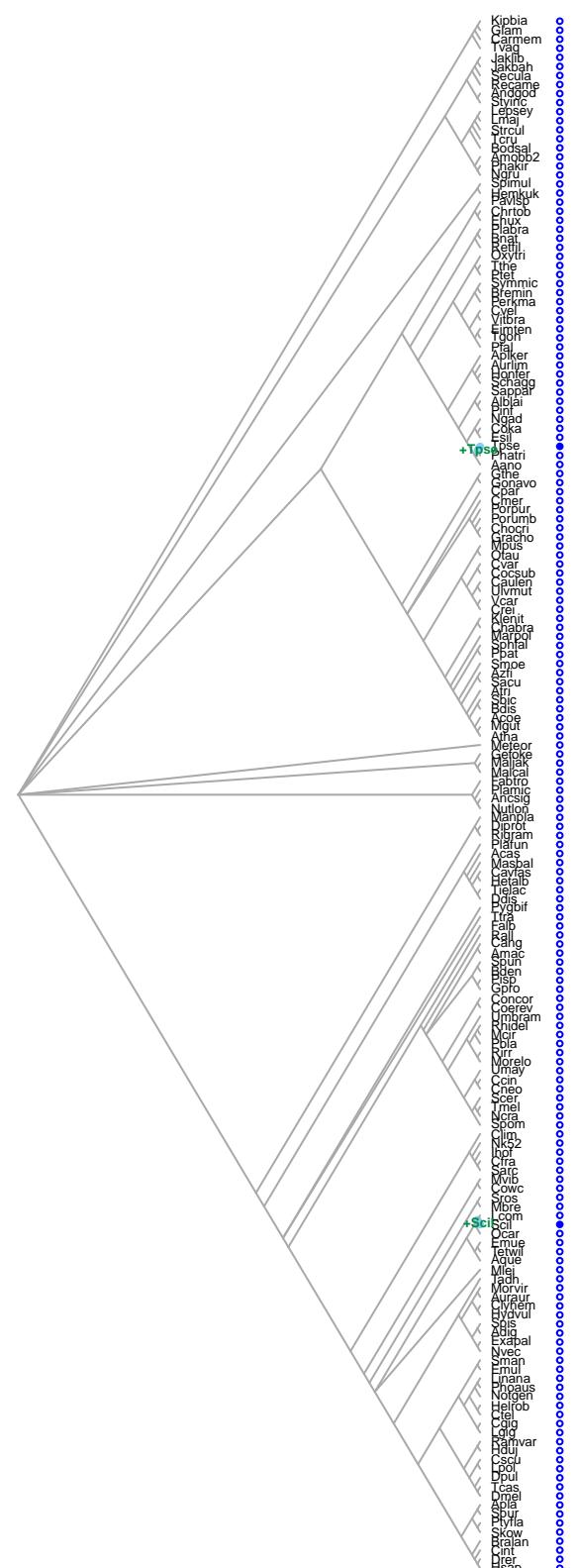
Bromodomain.HG2.3



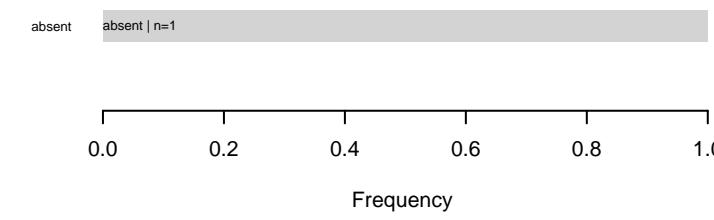
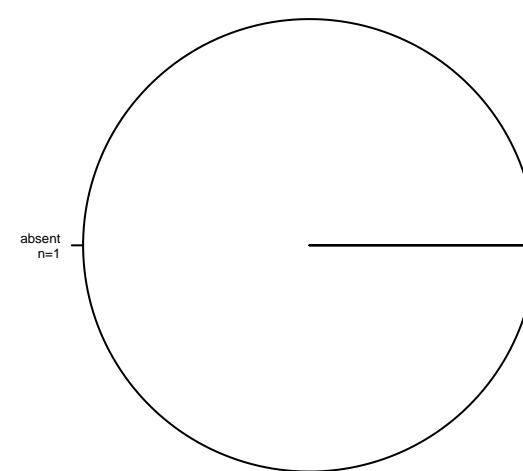




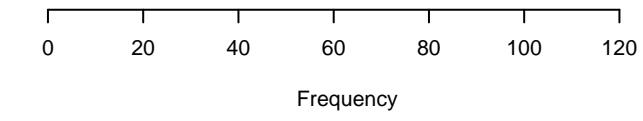
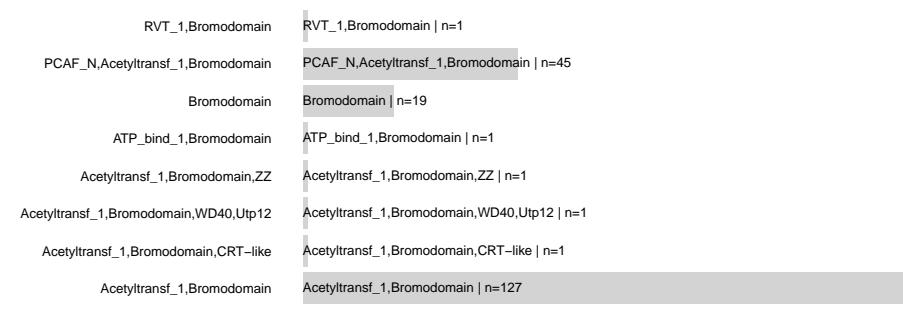
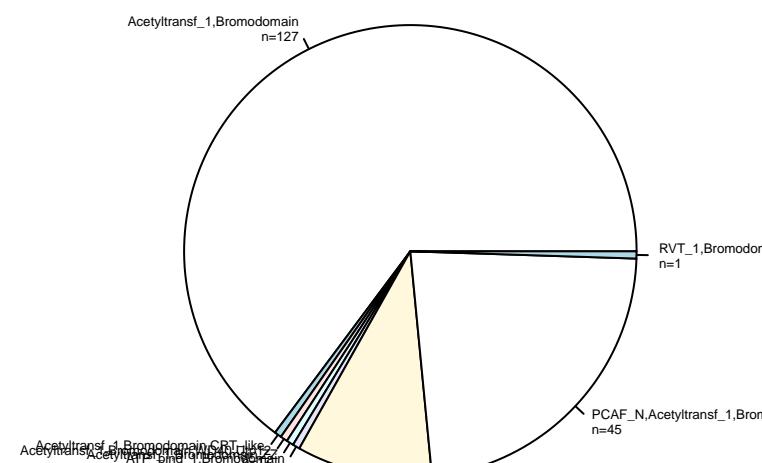
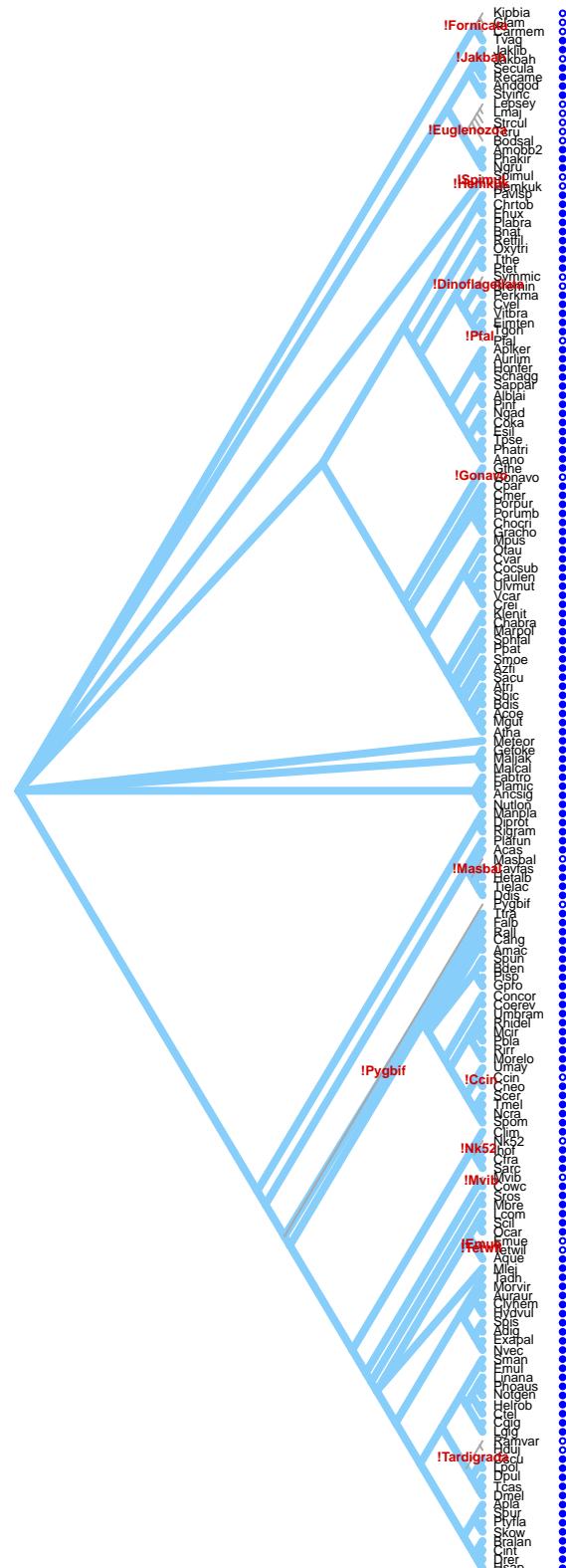


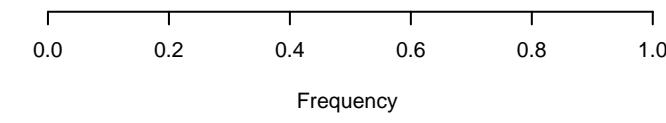
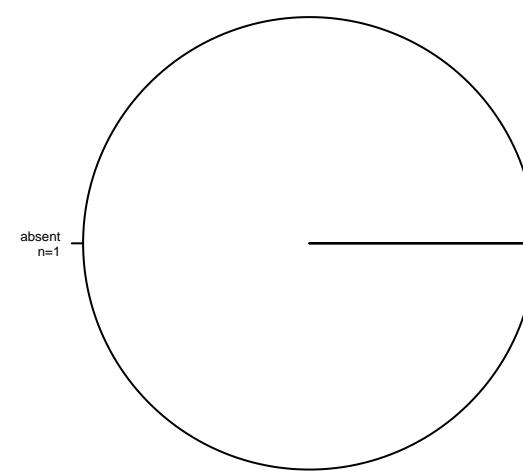
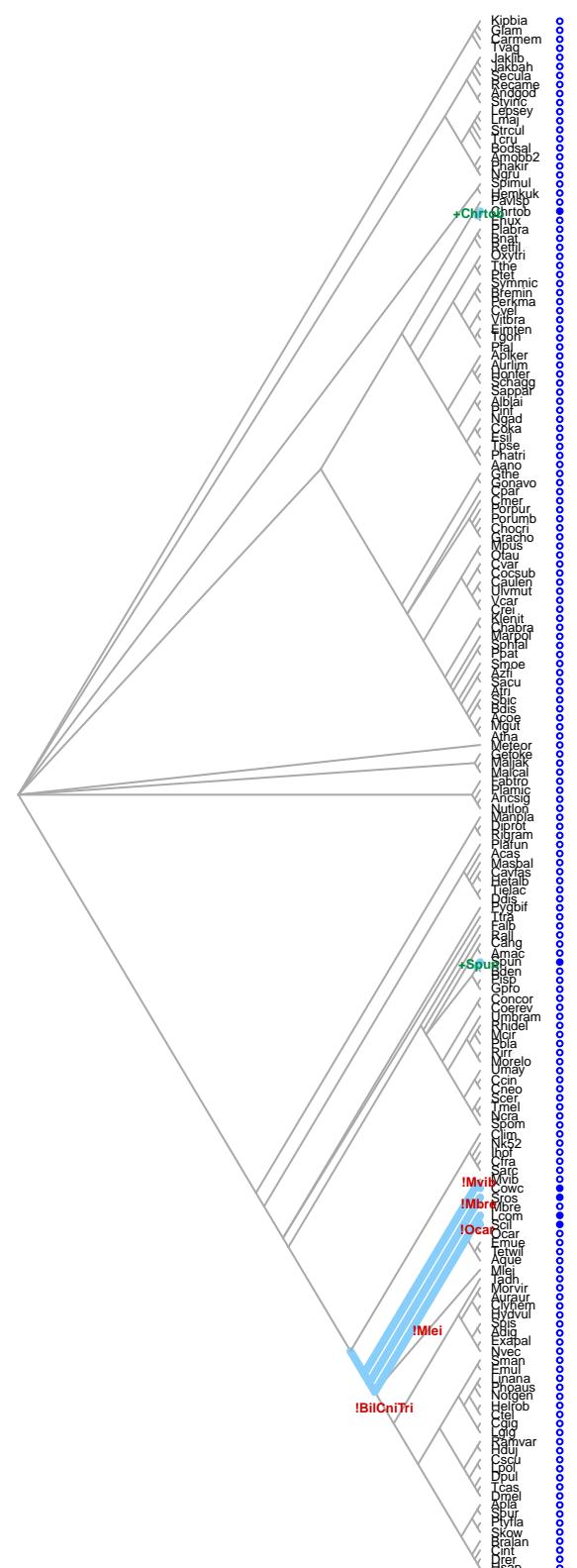


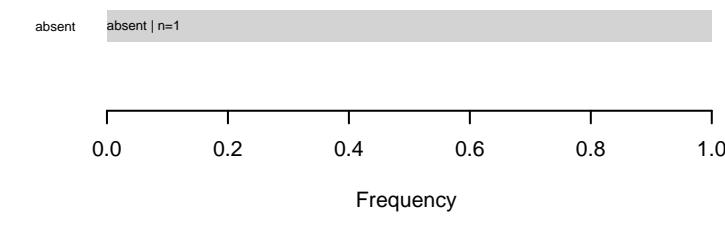
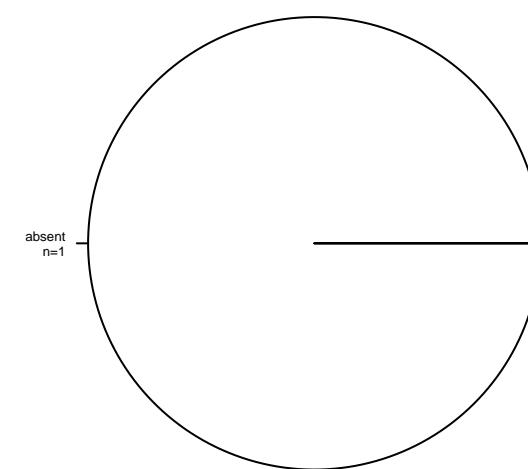
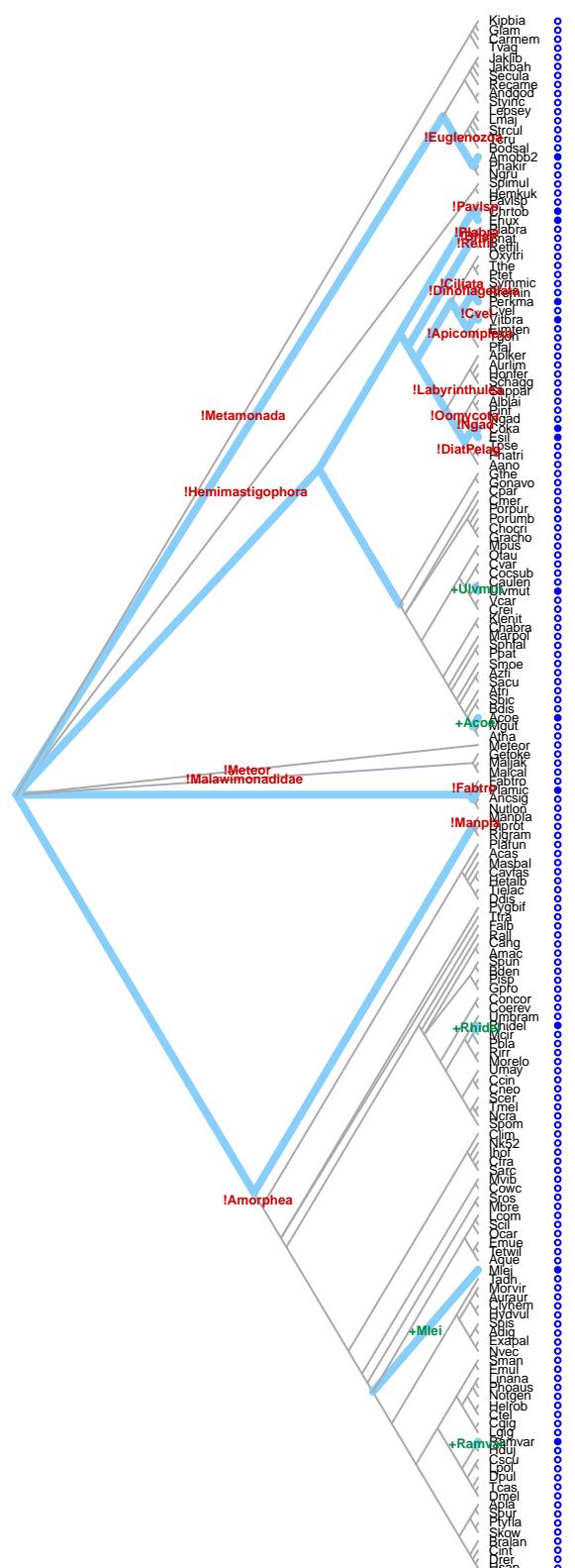
Gain: Scil,Tpse,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

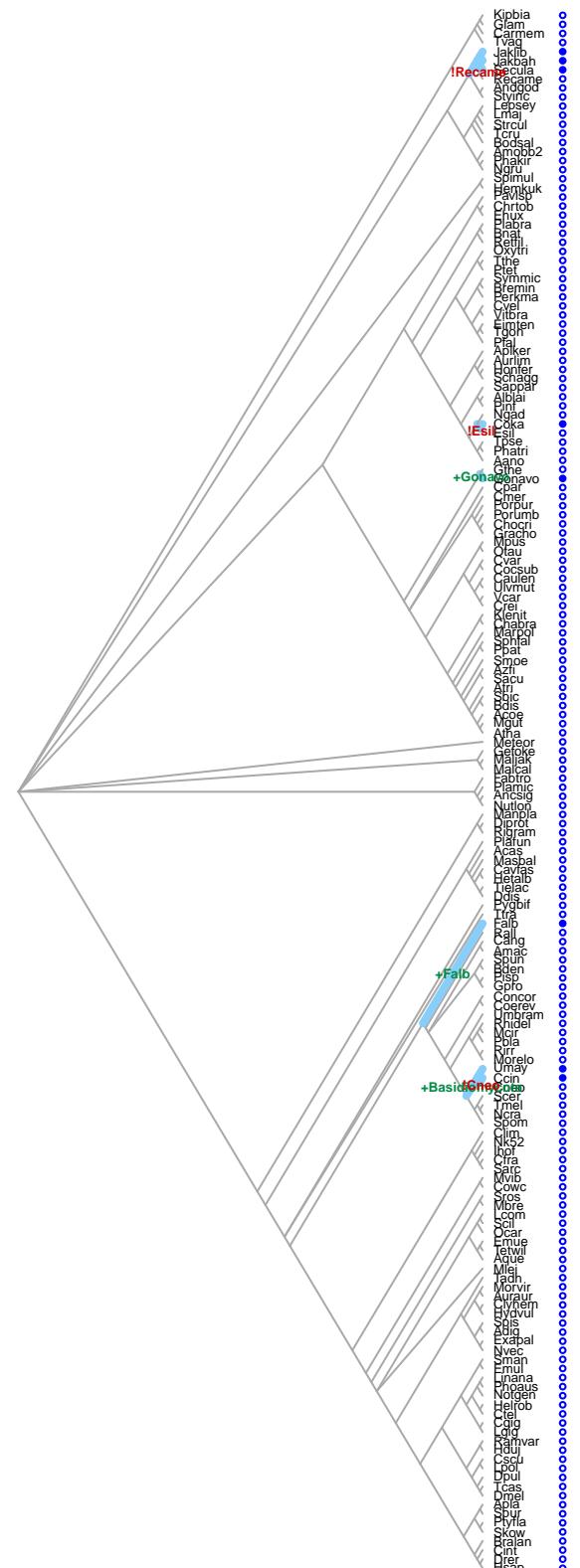


Bromodomain.HG3.10
KAT2A/KAT2B







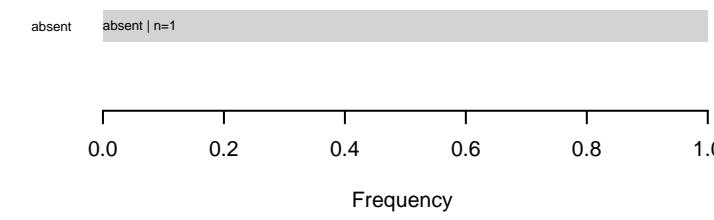
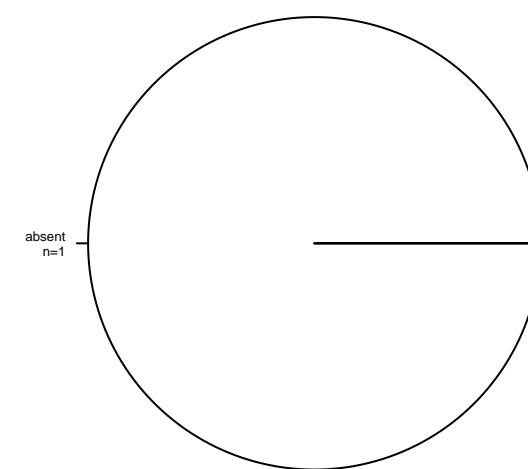


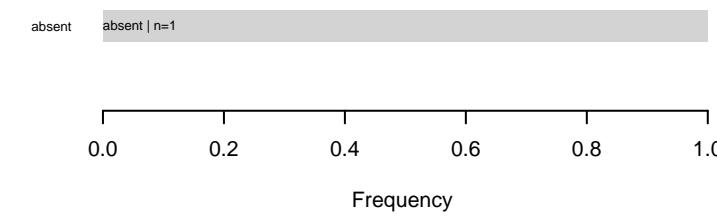
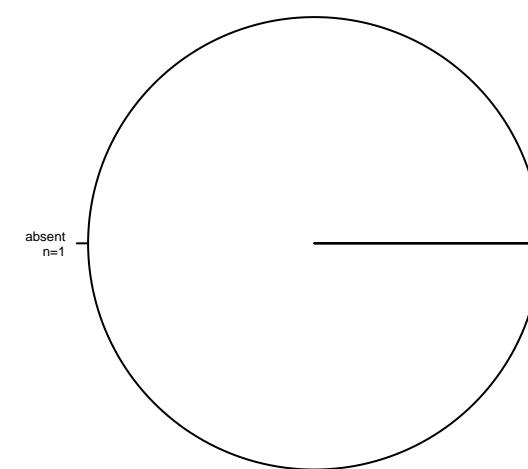
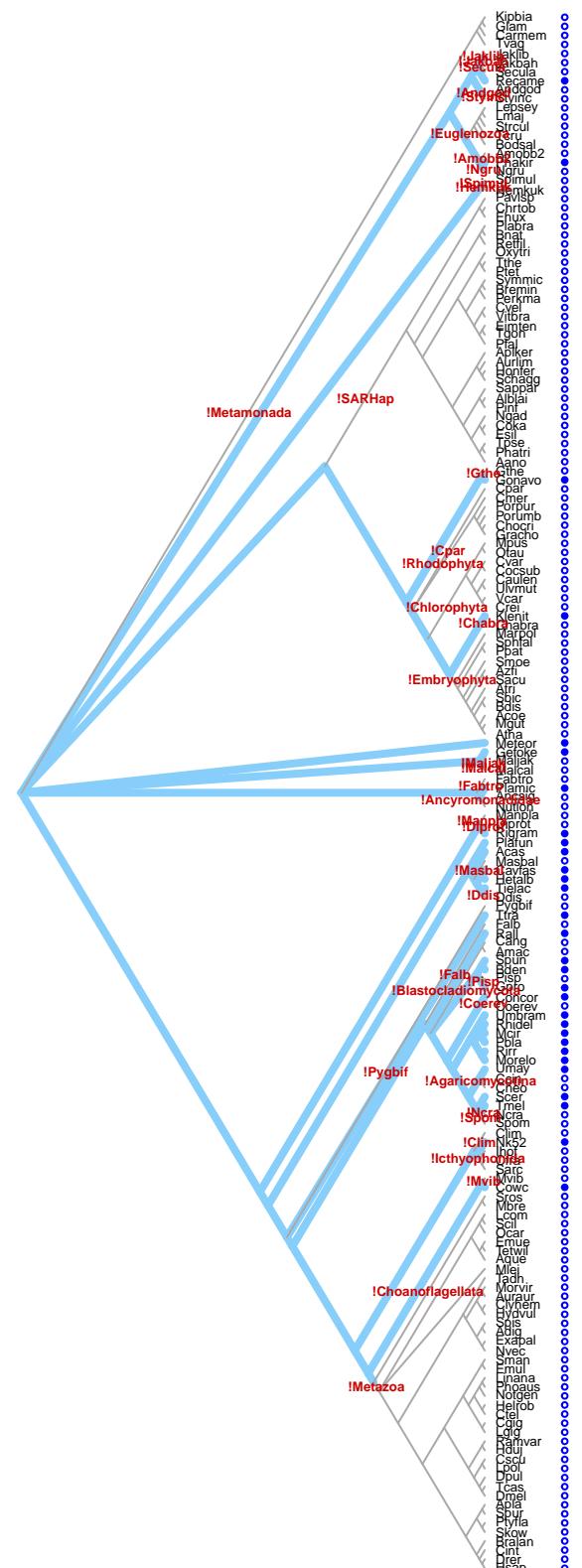
Gain: Basidiomycota,Falb,Gonavo,NA

Presence Eukaryota prob = 0.14

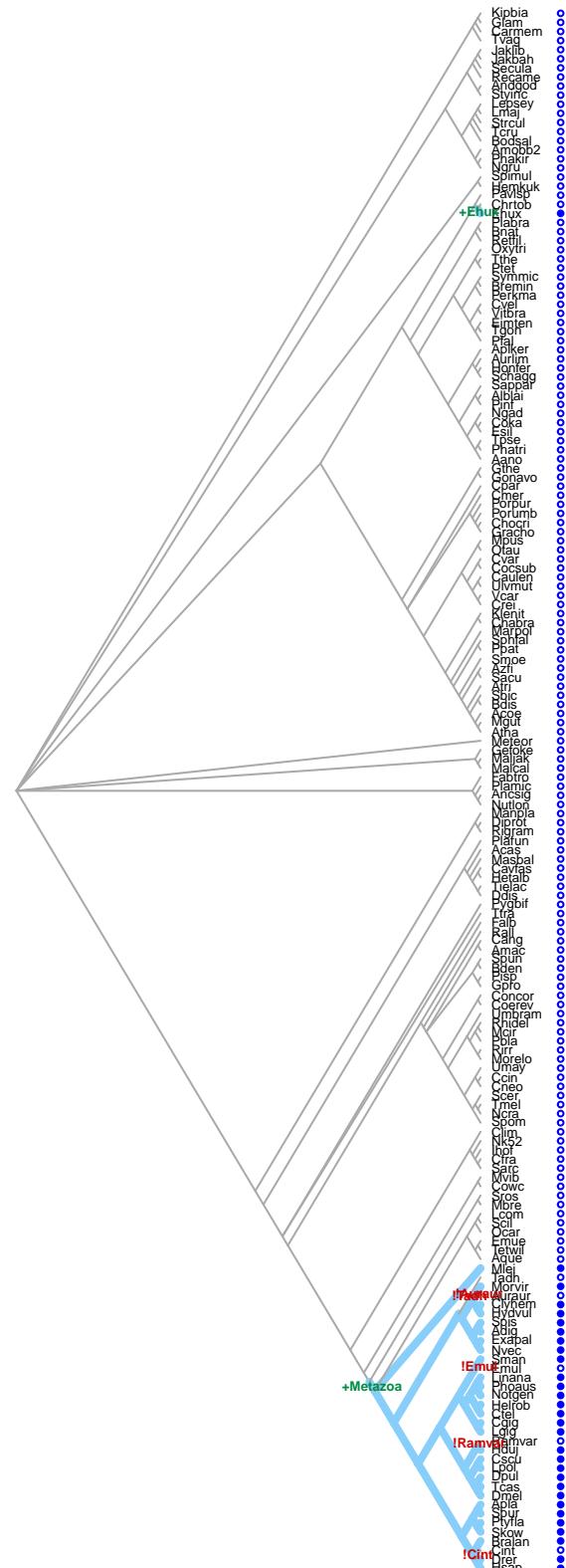
Present: 8

Losses: NA

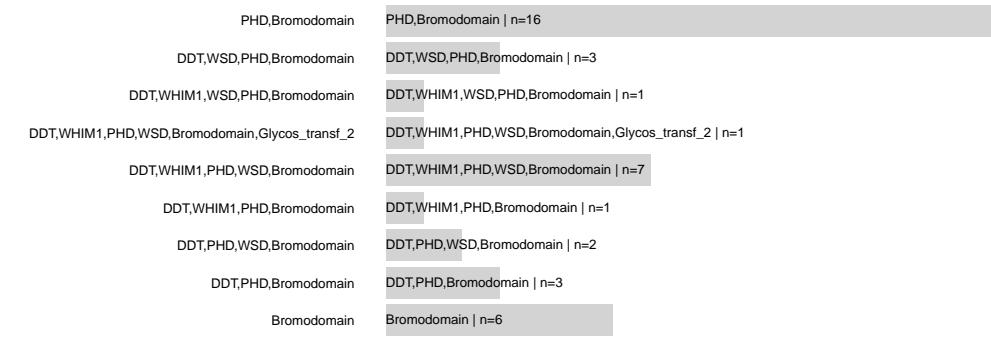
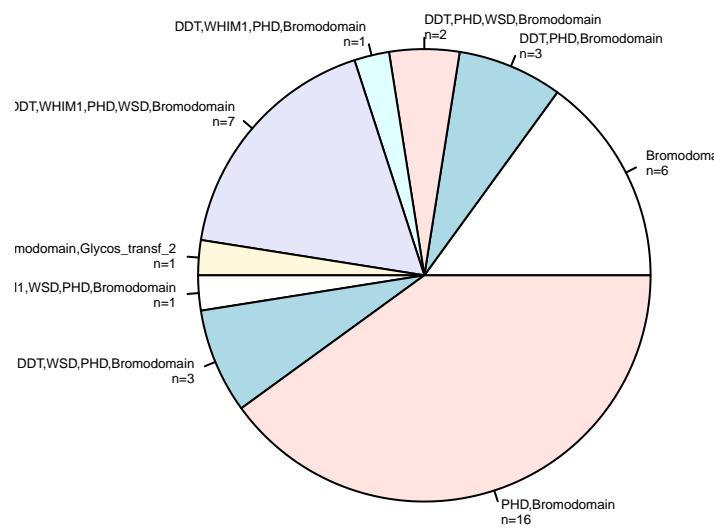




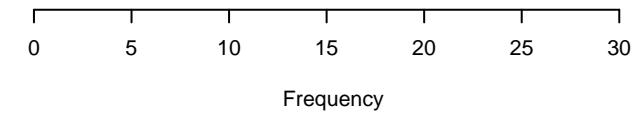
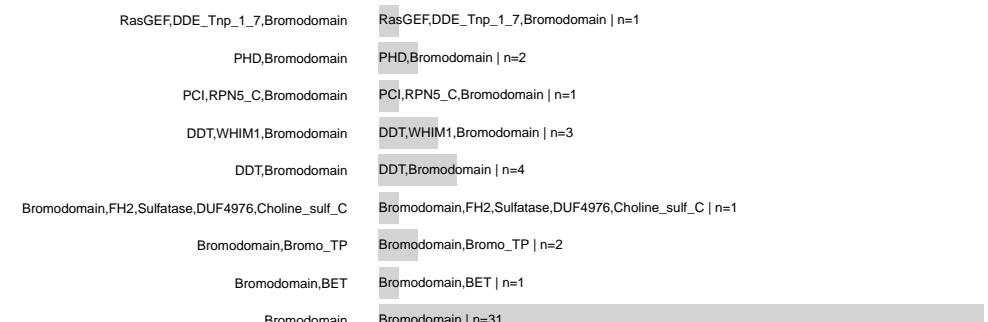
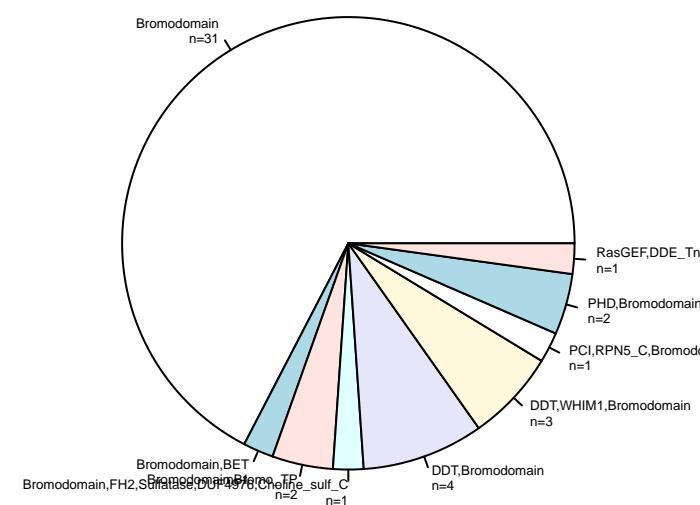
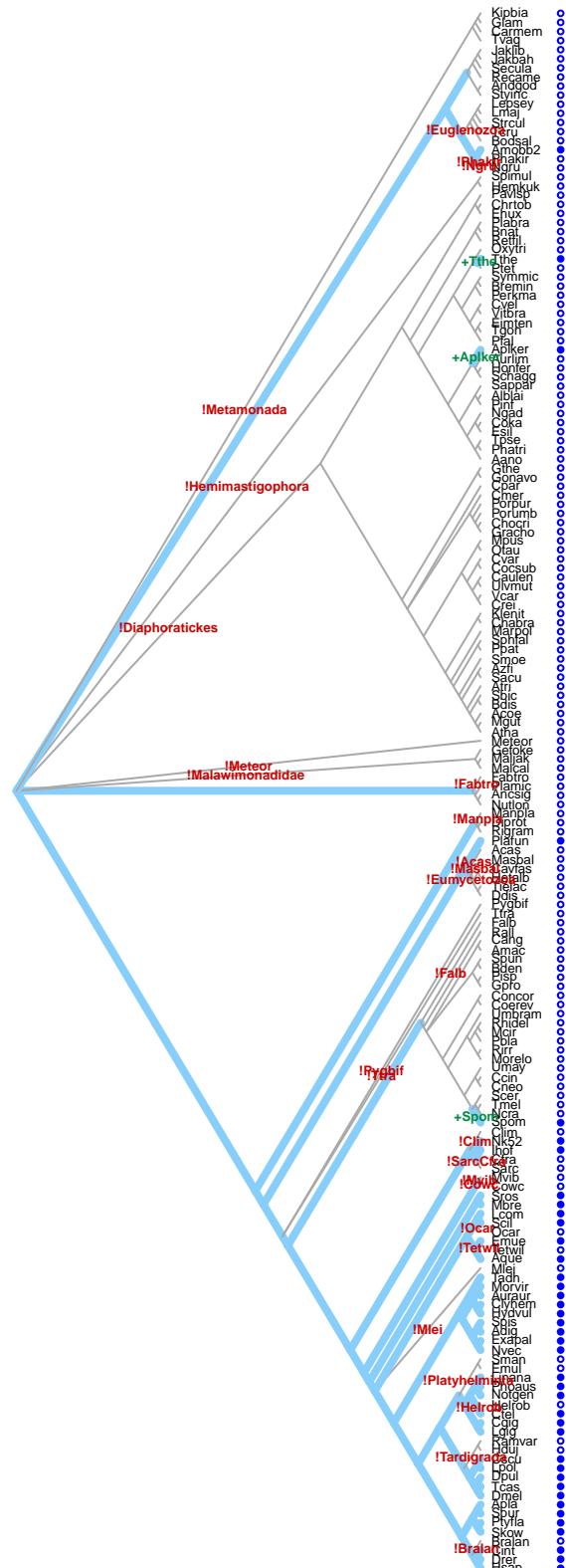
Bromodomain.HG3.6
BPTF

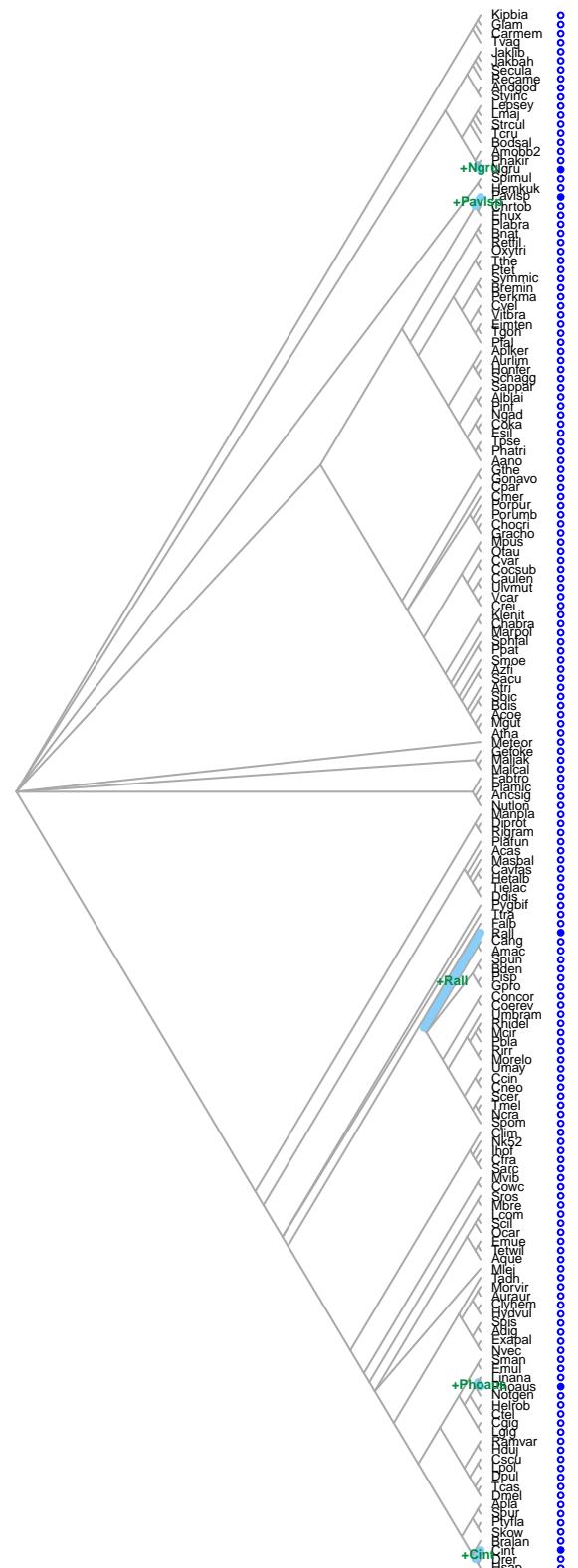


Gain: Metazoa,Ehux,NA
Presence Eukaryota prob = 0.00
Present: 30
Losses: NA



0 5 10 15
Frequency



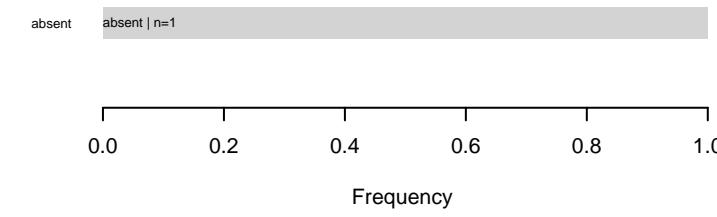
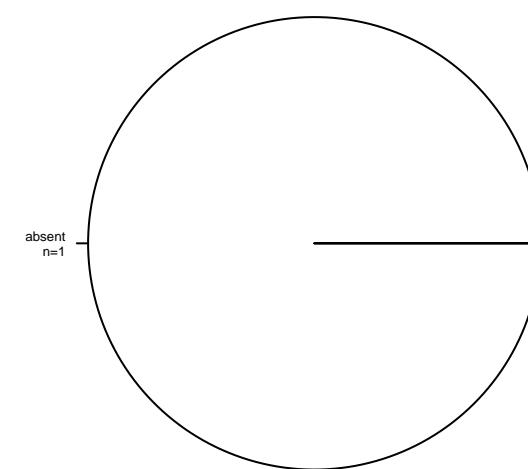


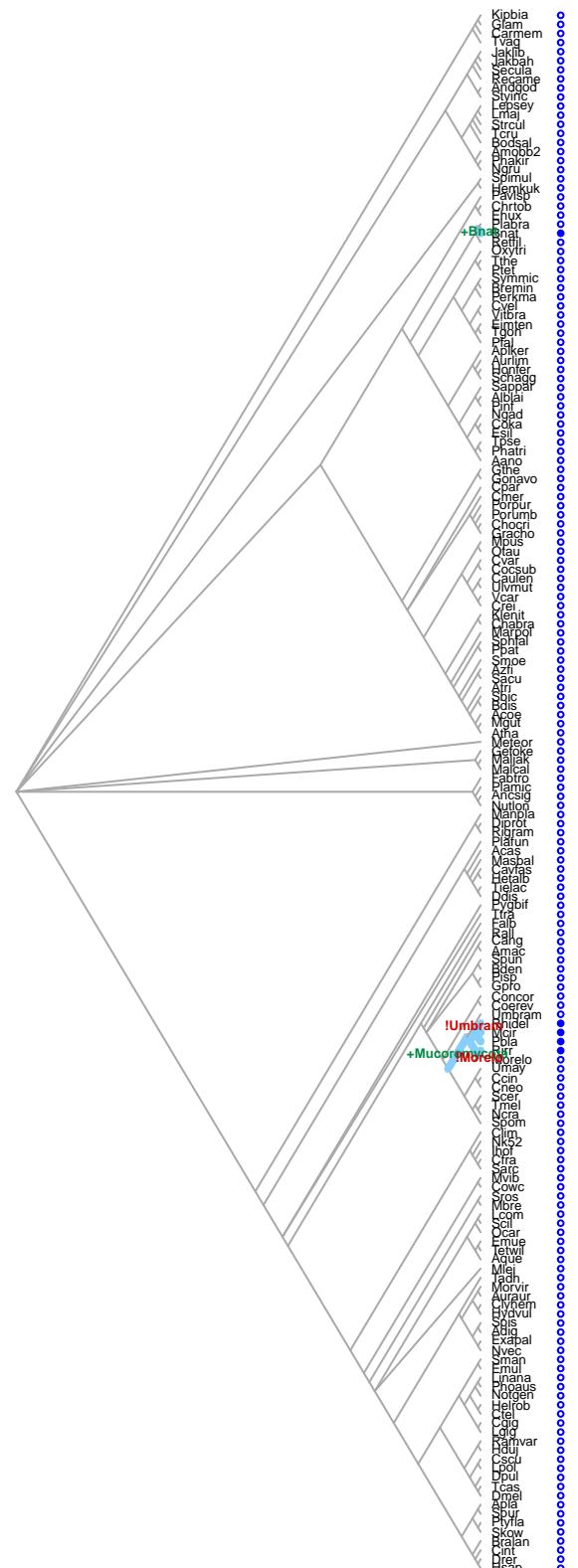
Gain: Cint, Phoaus, Rall, Pavlsp, Ngru, NA

Presence Eukaryota prob = 0.00

Present: 5

Losses: NA



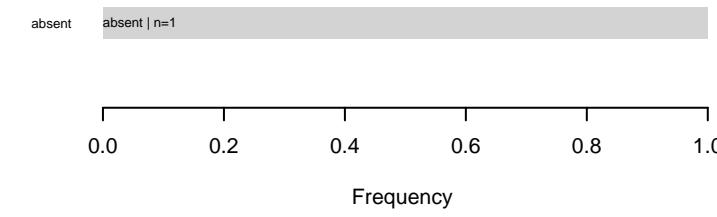
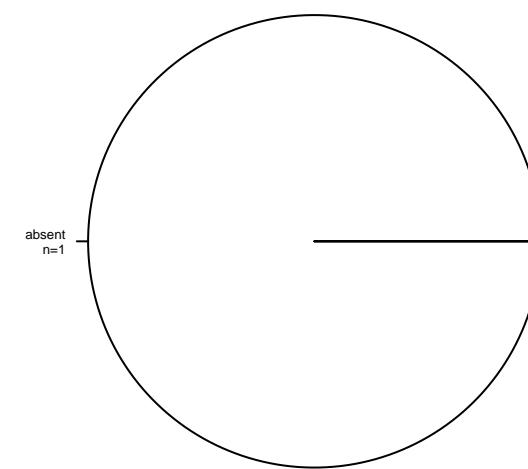


Gain: Mucormycota,Bnat,NA

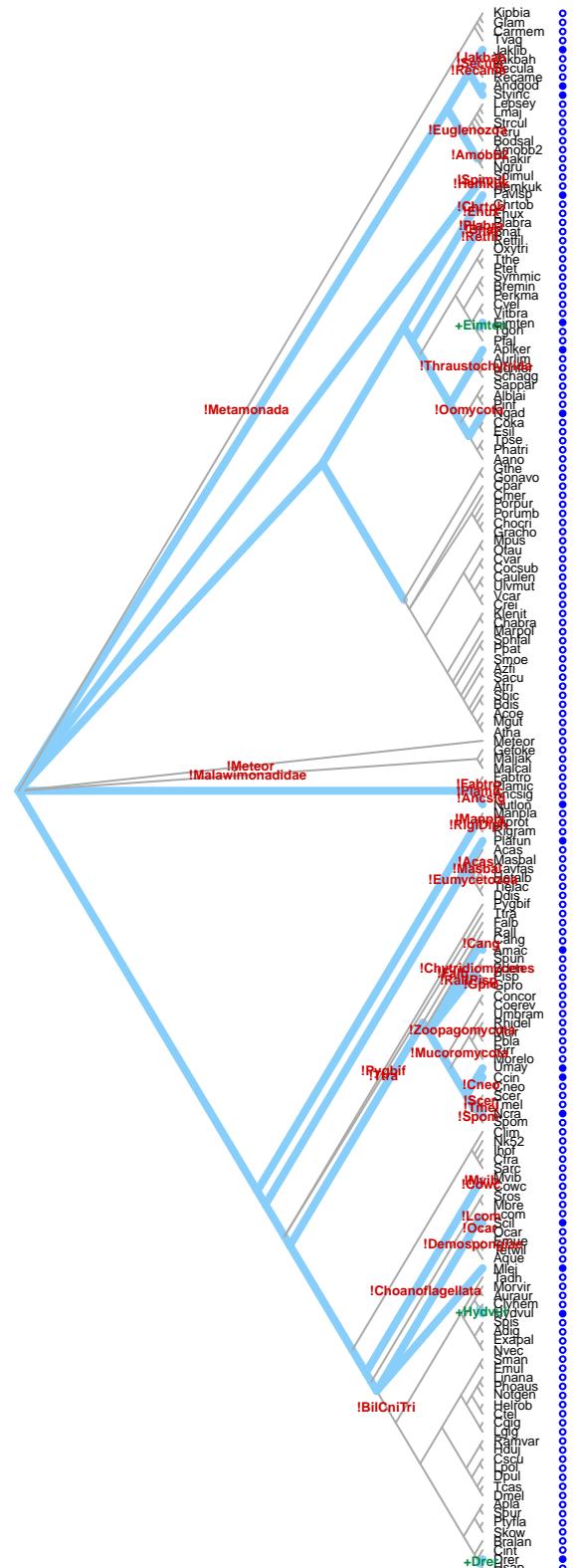
Presence Eukaryota prob = 0.00

Present: 5

Losses: NA



Bromodomain.HG4.0
like:ASH1L/PBRM1/SMARCA2/SMARCA4

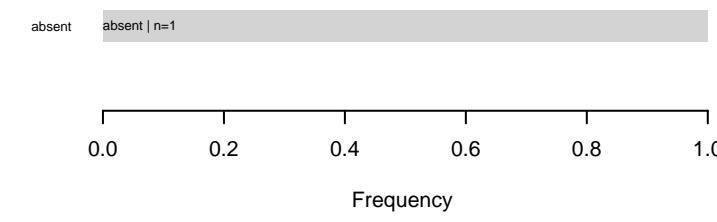
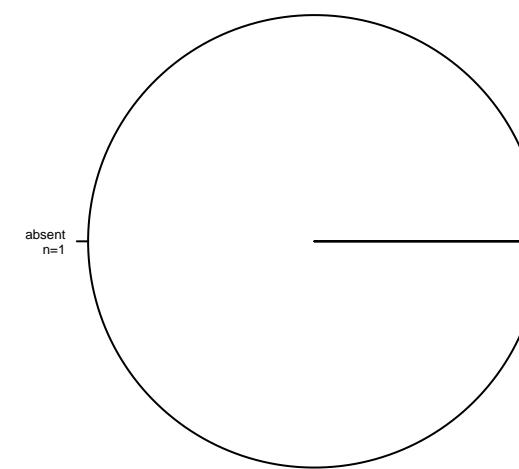


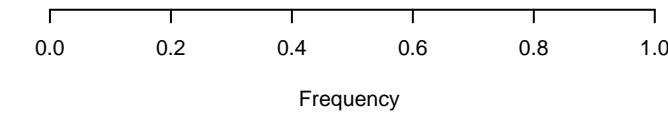
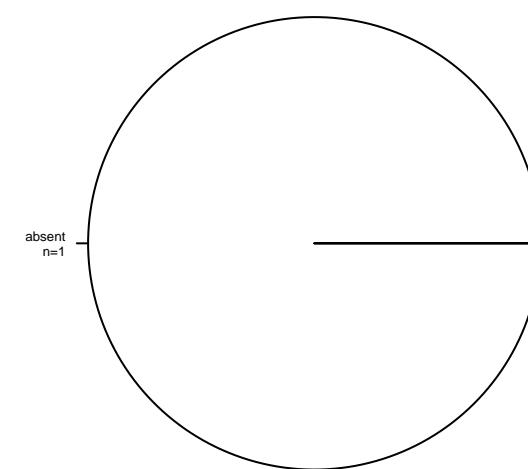
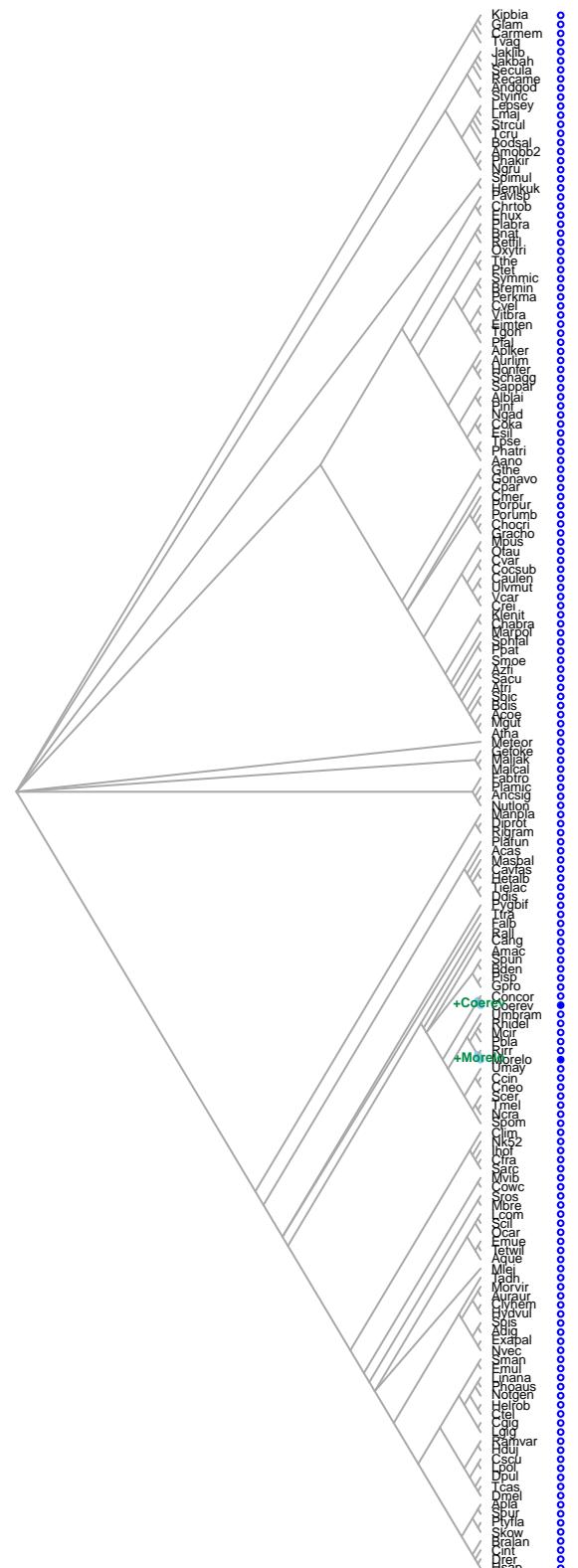
Gain: Drer,Hydvul,Eimten,NA

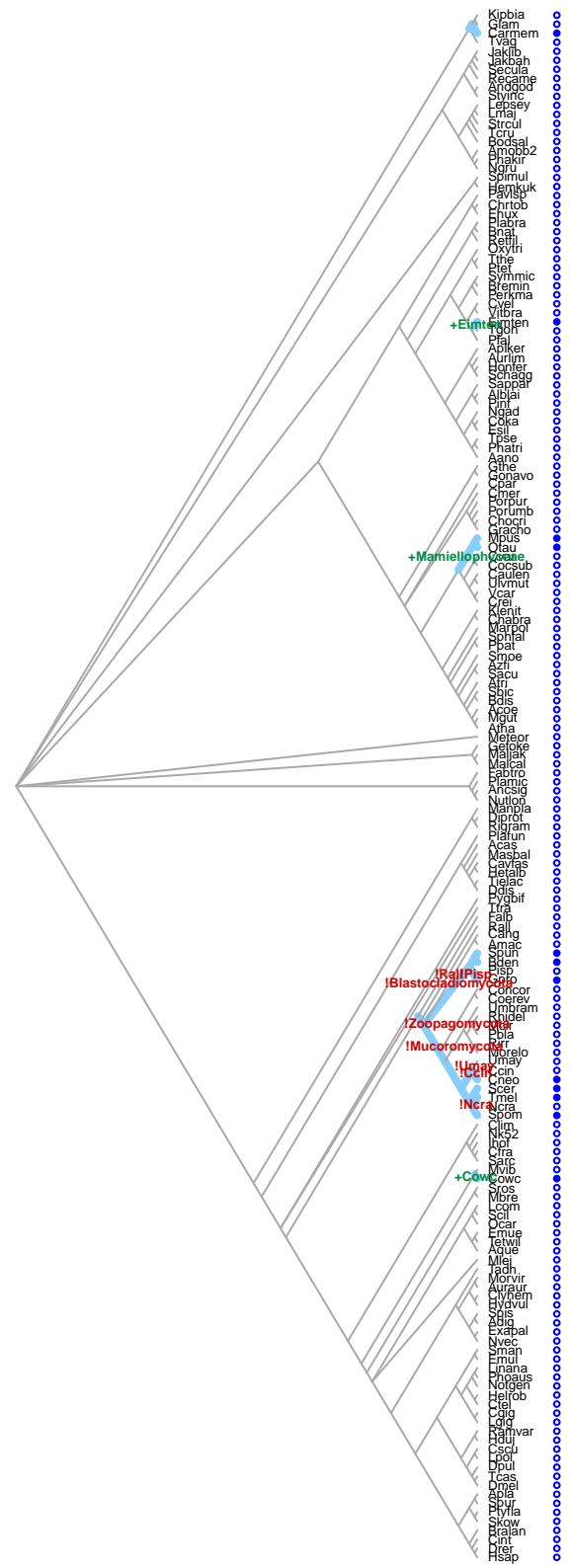
Presence Eukaryota prob = 1.00

Present: 17

Losses: NA





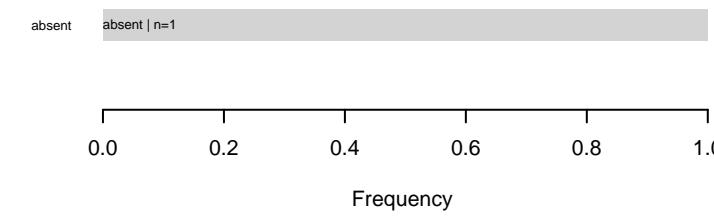
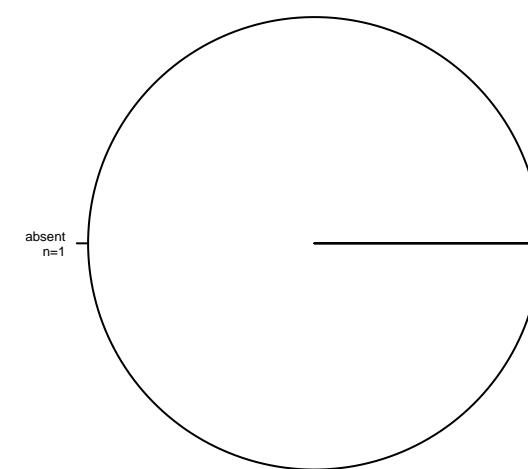


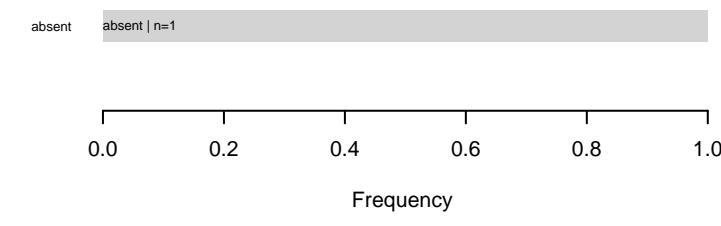
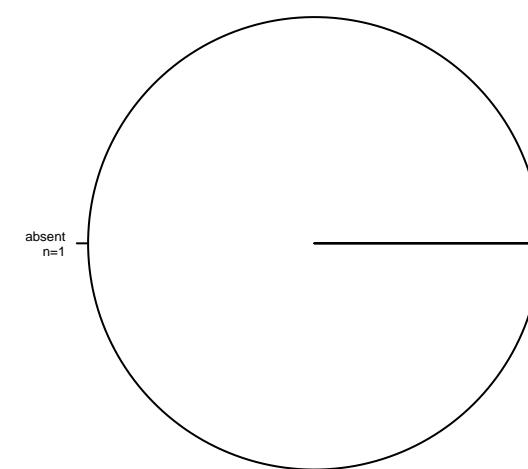
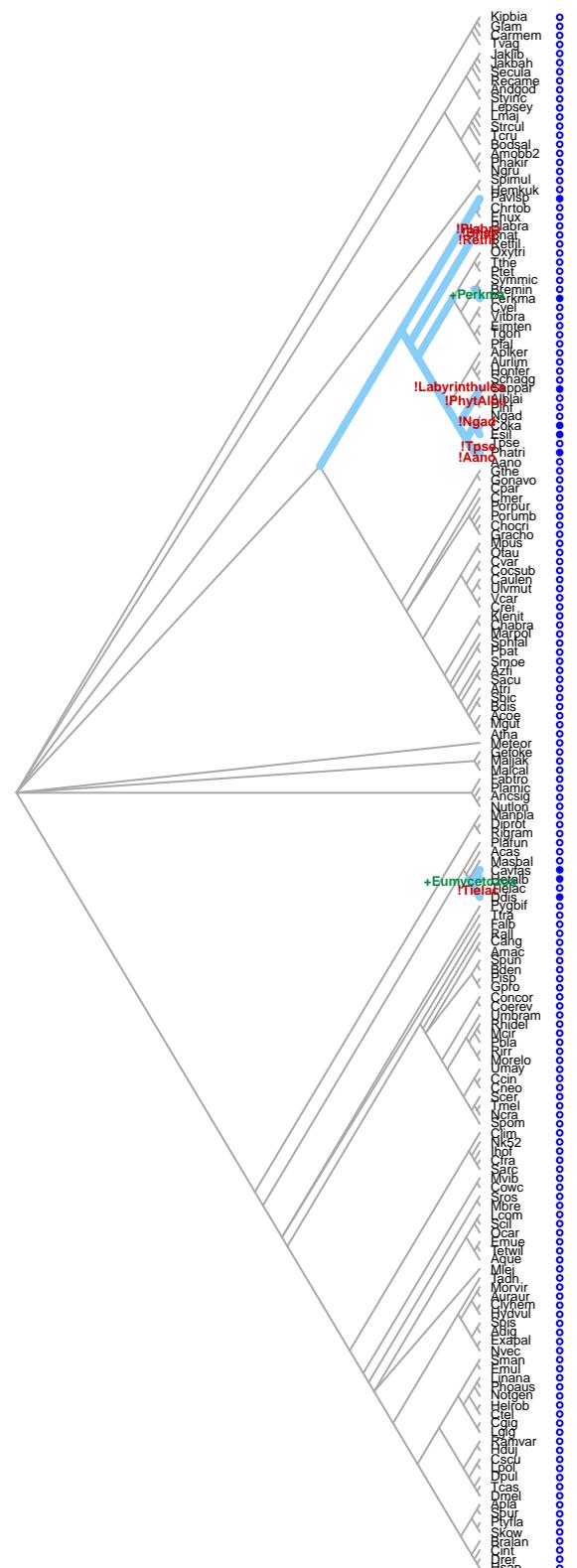
Gain: Cowc,Mamiellophyceae,Eimten,NA

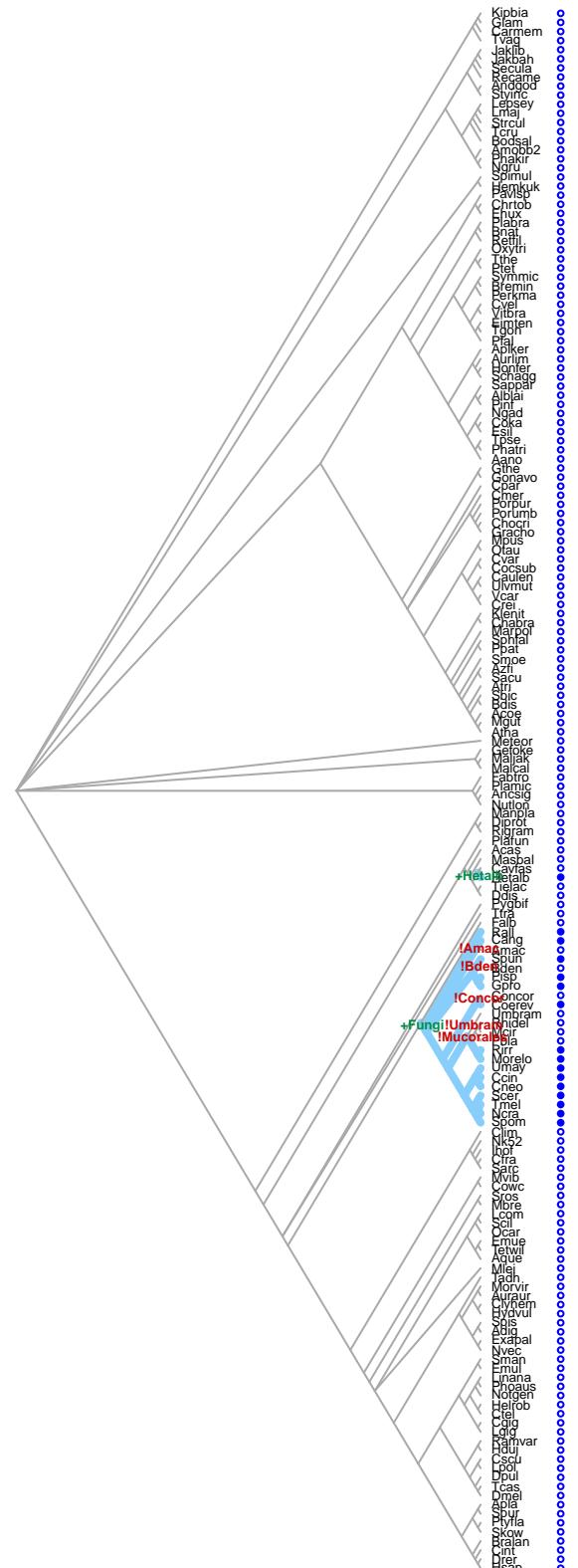
Presence Eukaryota prob = 0.08

Present: 12

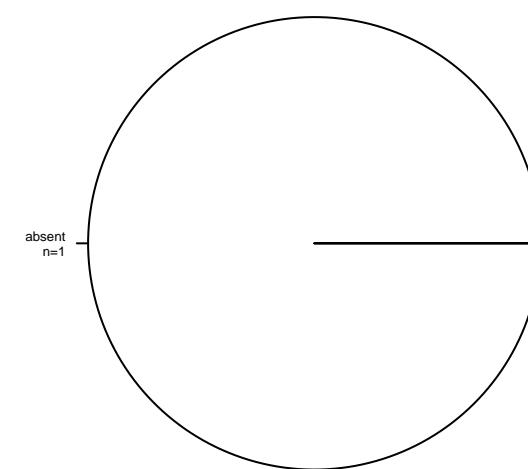
Losses: NA



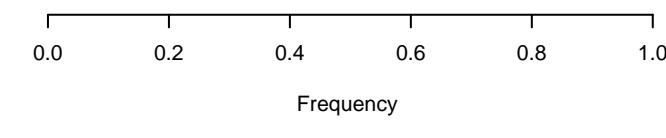


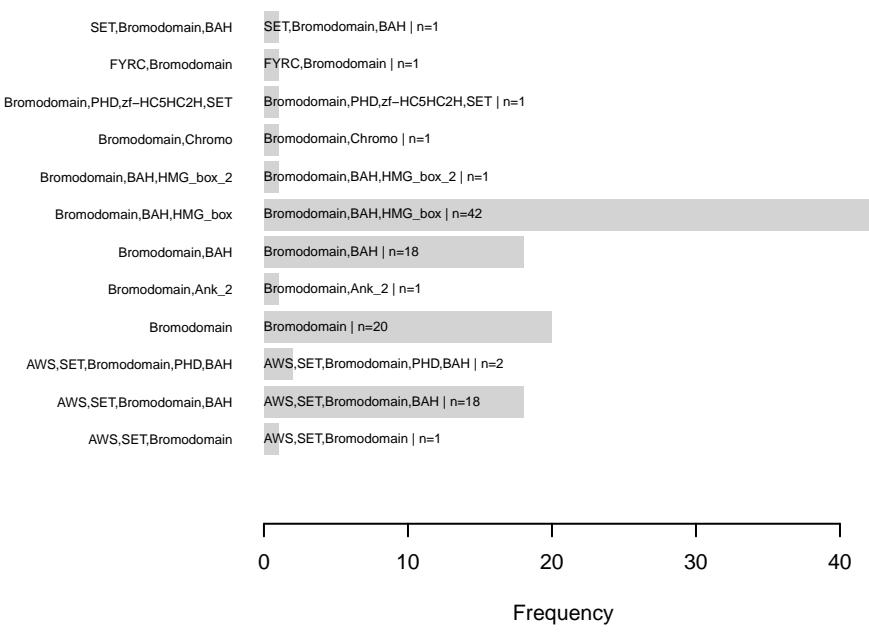
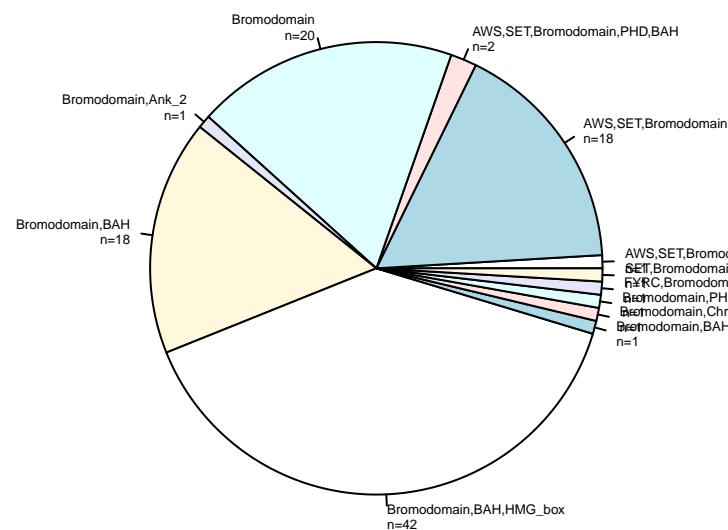
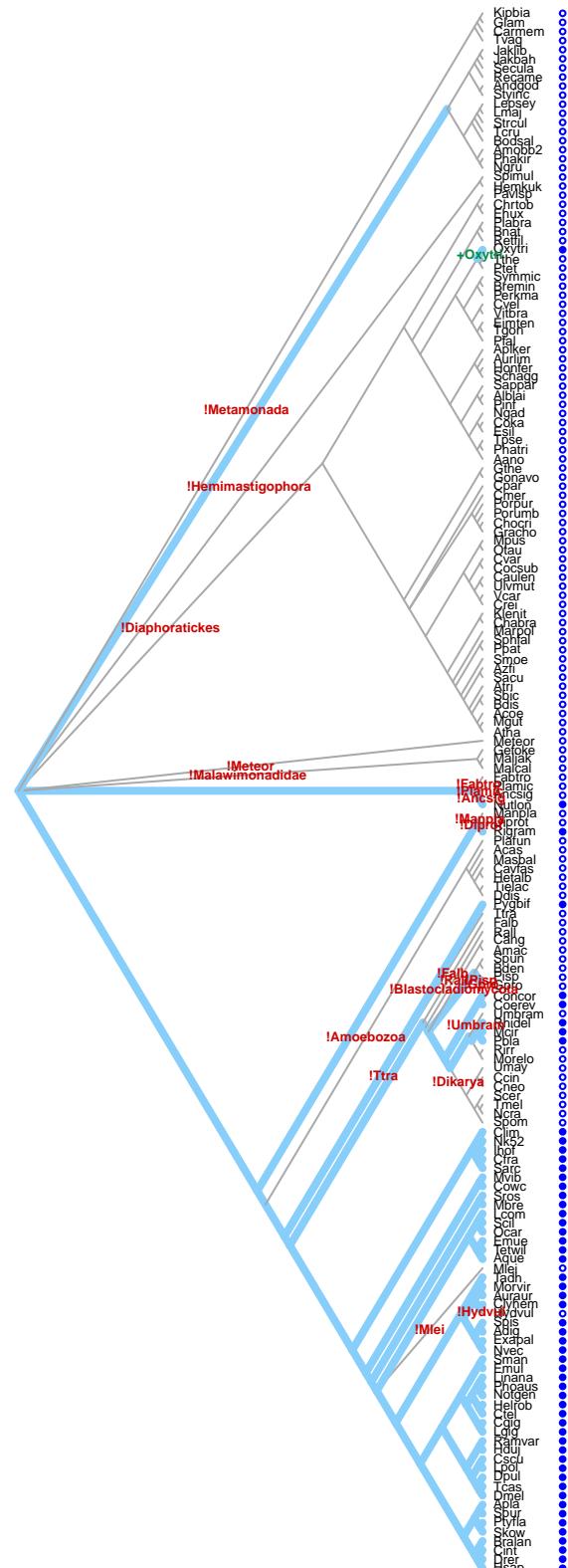


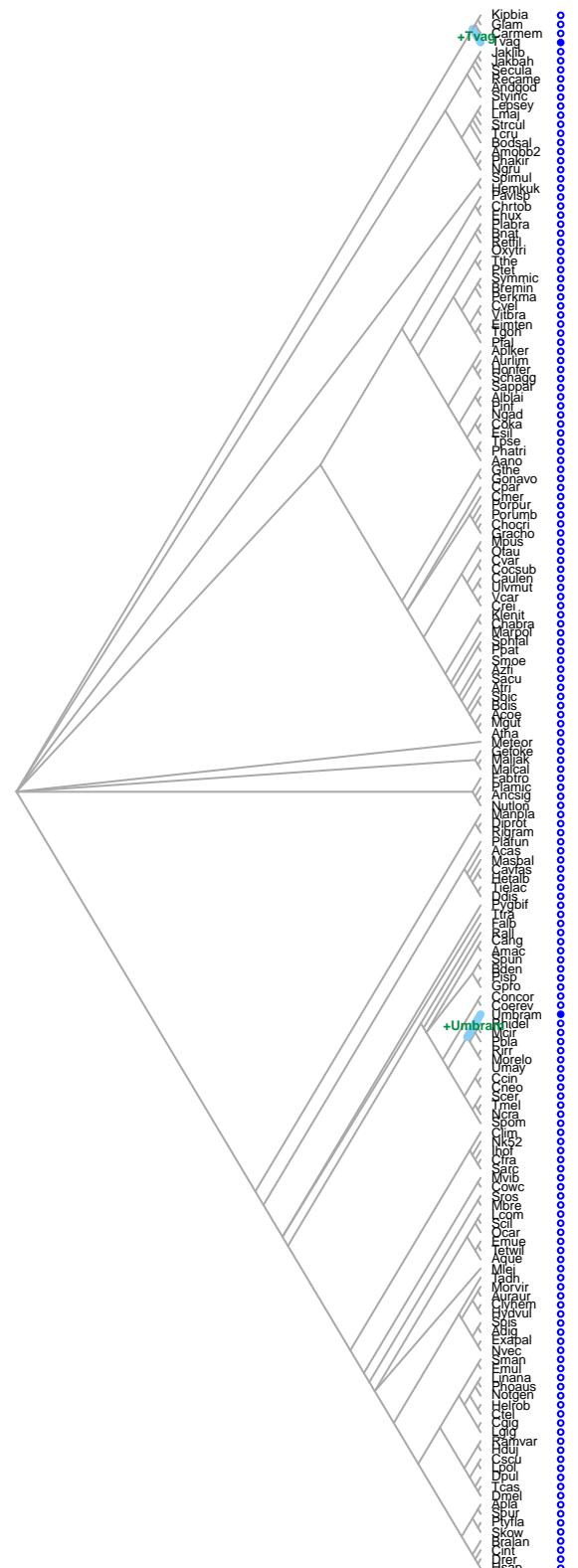
Gain: Fungi,Hetalb,NA
Presence Eukaryota prob = 0.00
Present: 16
Losses: NA



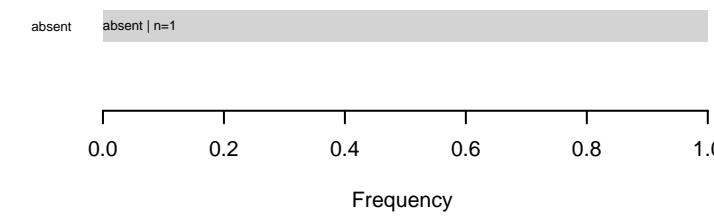
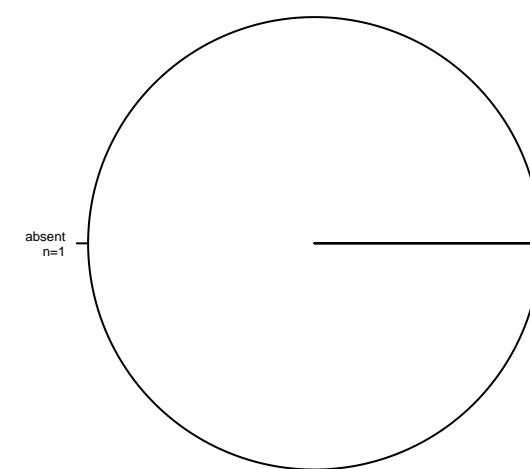
absent absent | n=1





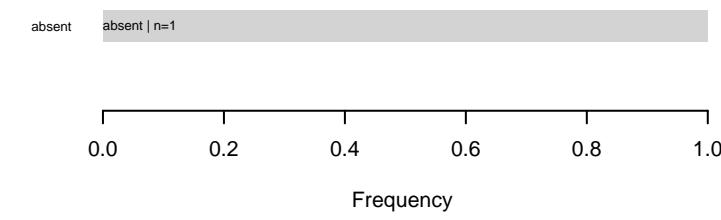
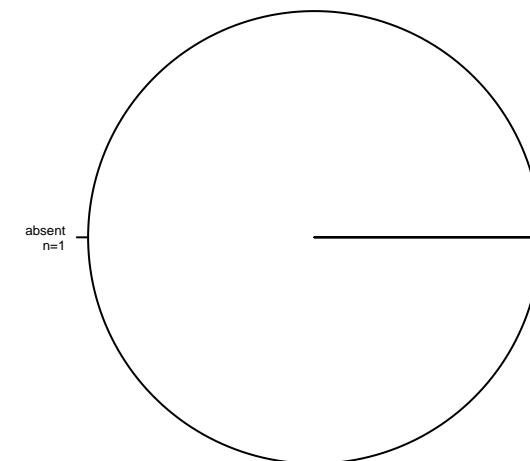
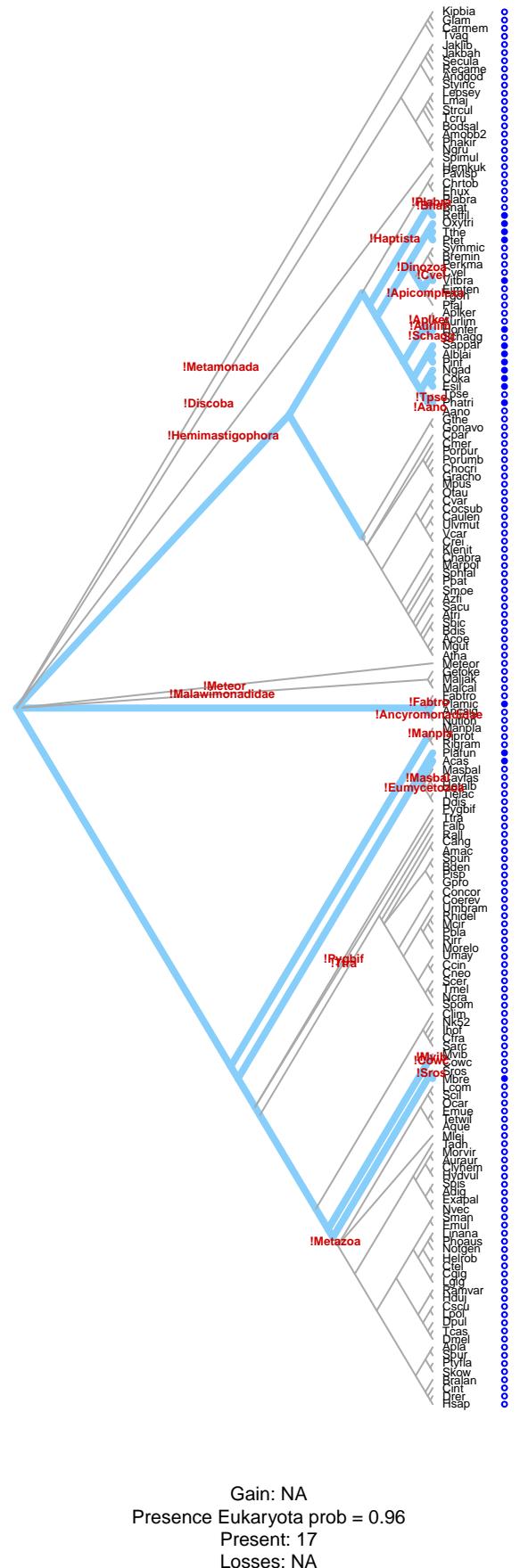


Gain: Umbram, Tvak, NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

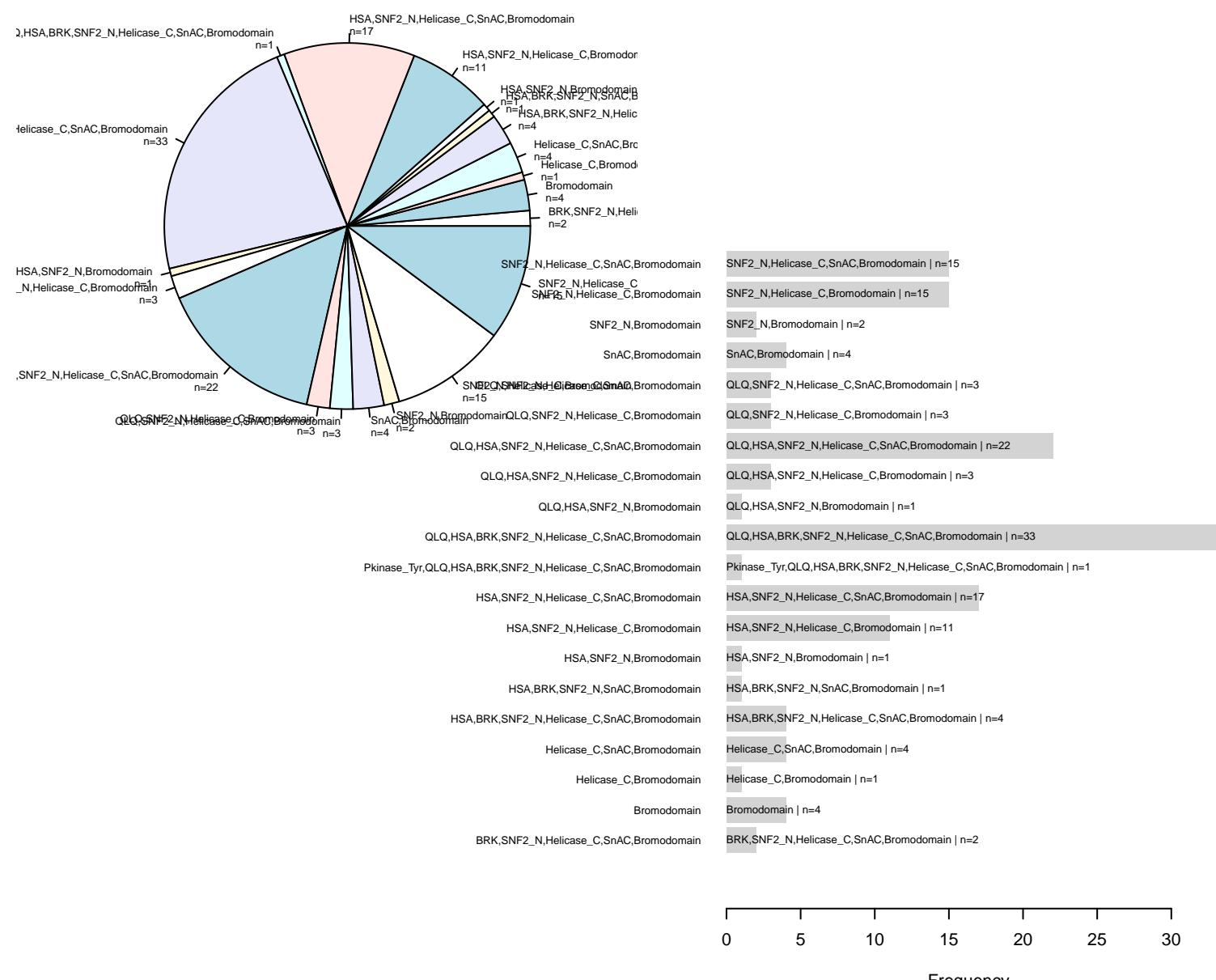
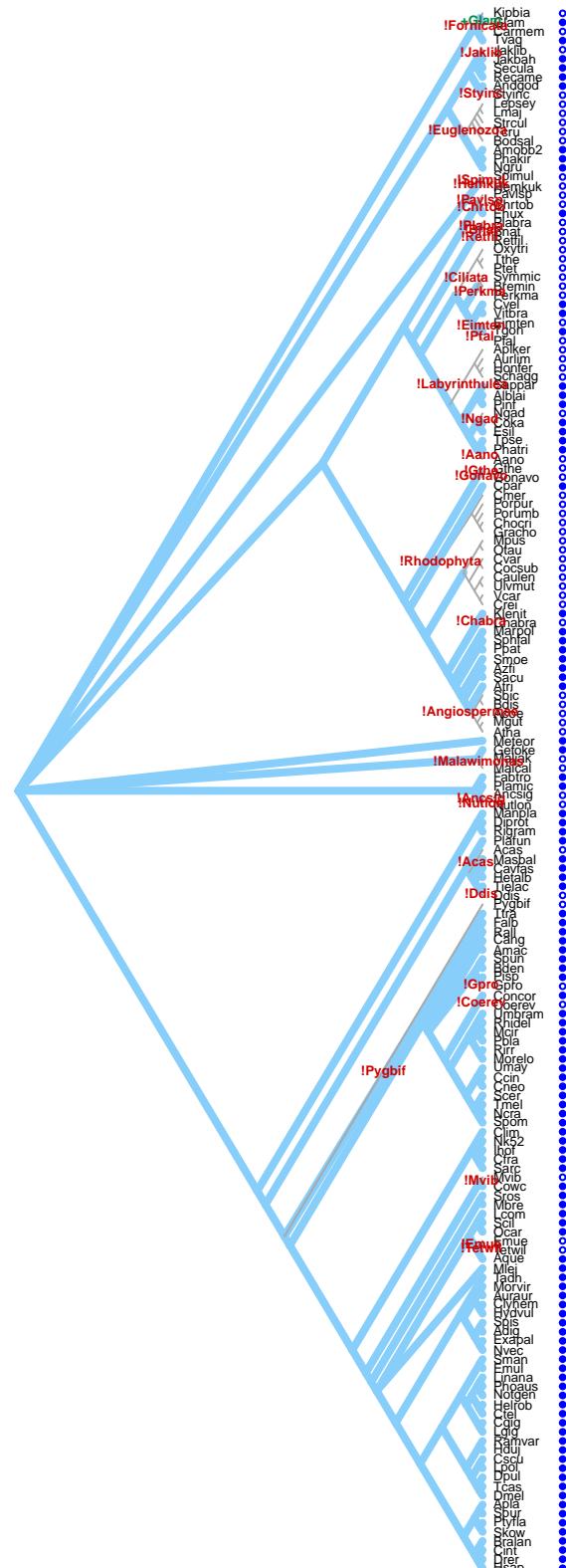


0.0 0.2 0.4 0.6 0.8 1.0
Frequency

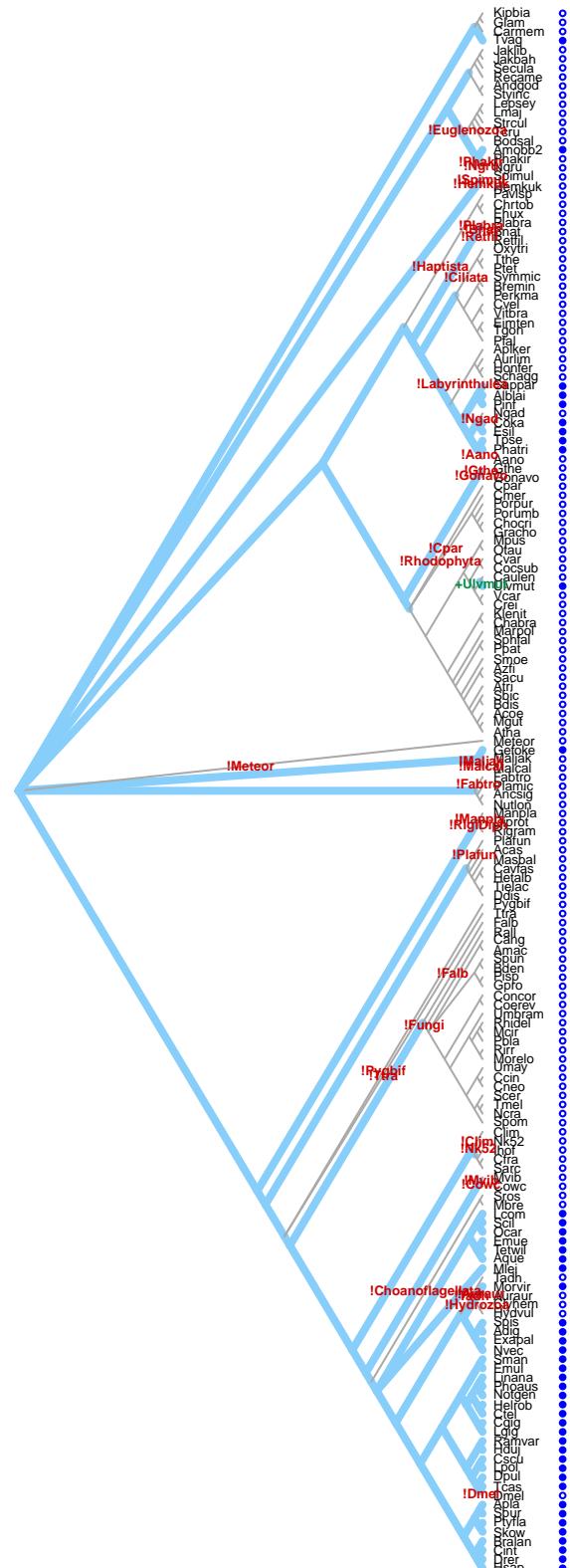
Bromodomain.HG4.7 like:SMARCA2/SMARCA4



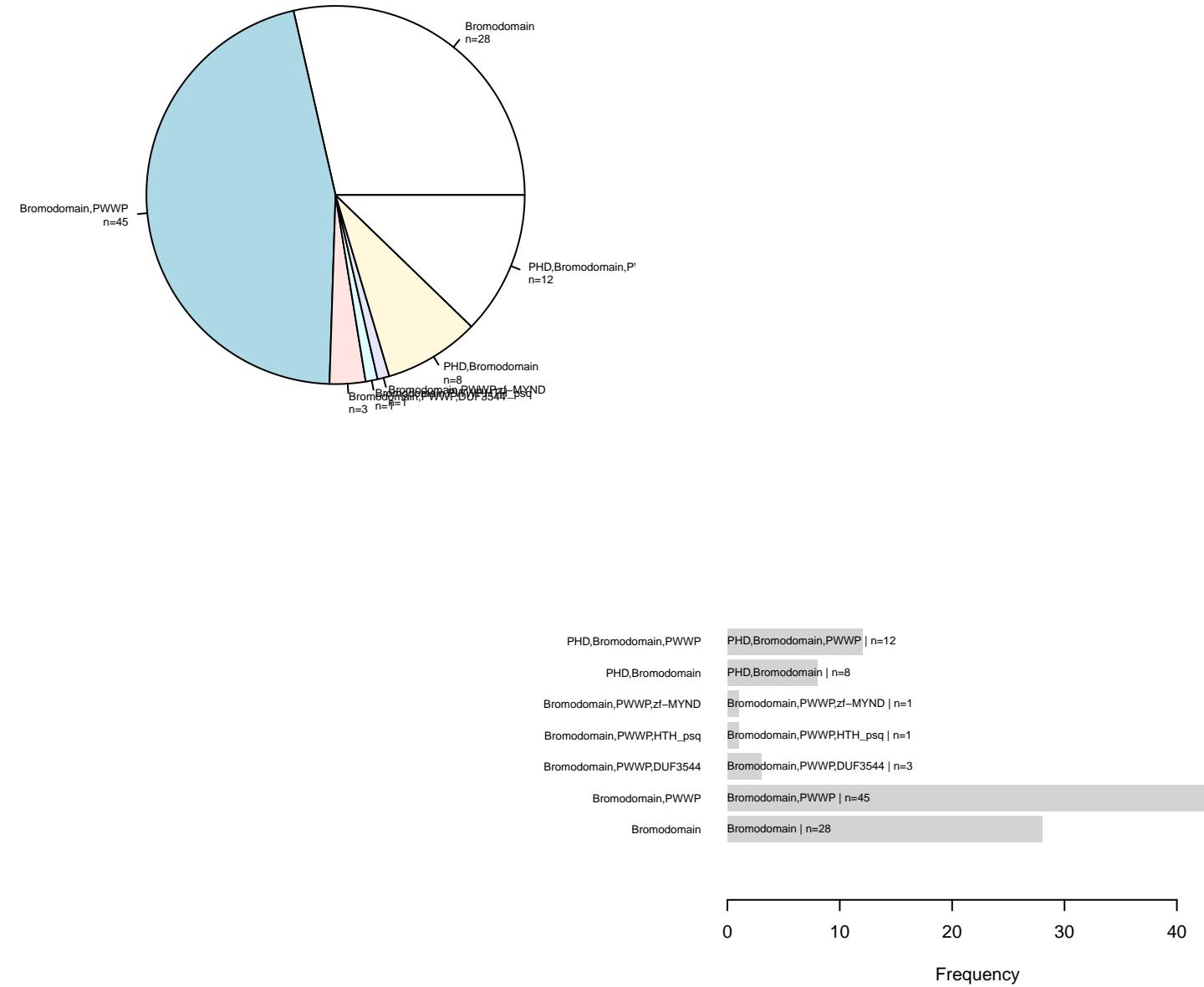
Bromodomain.HG4.8
SMARCA2/SMARCA4

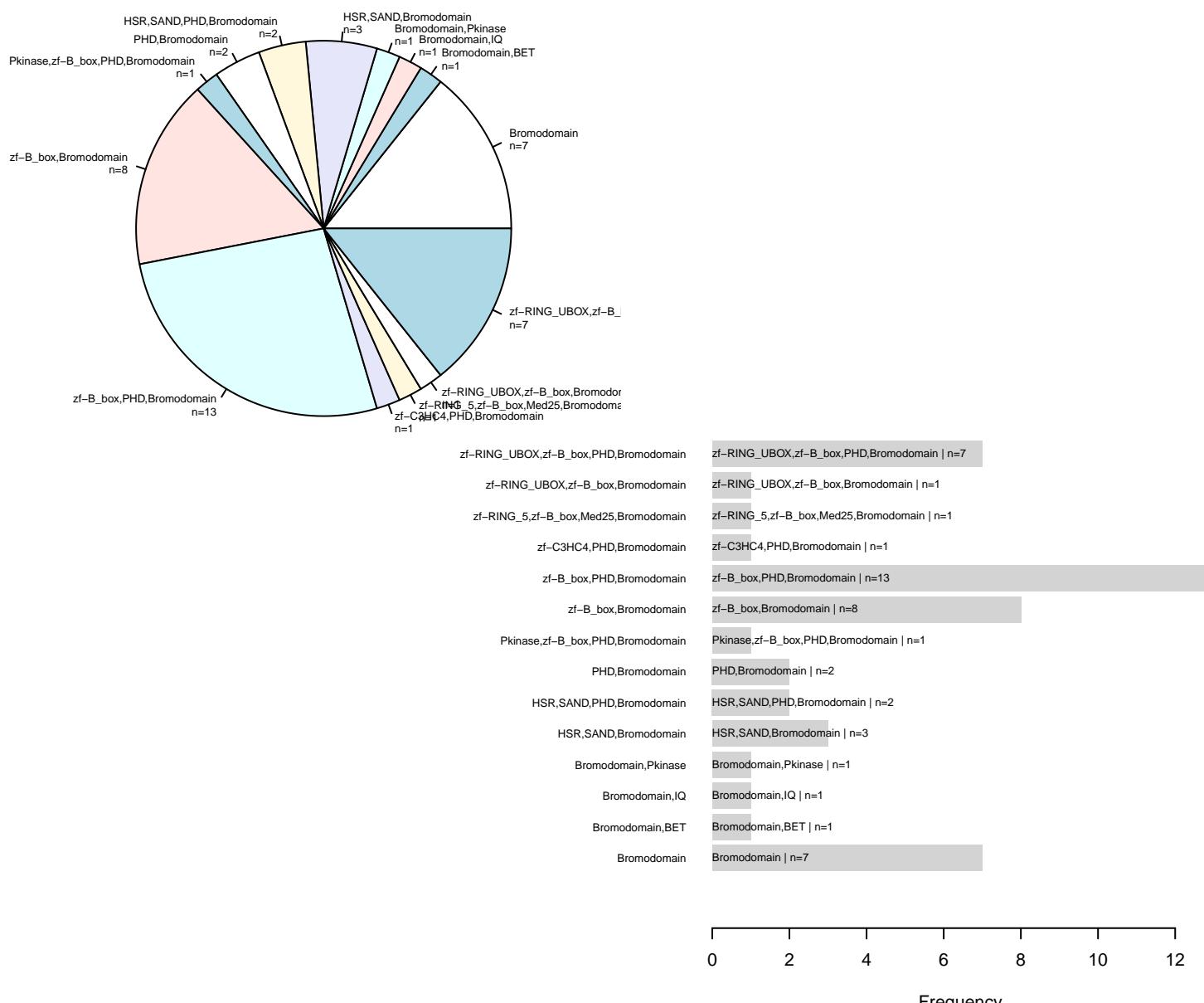
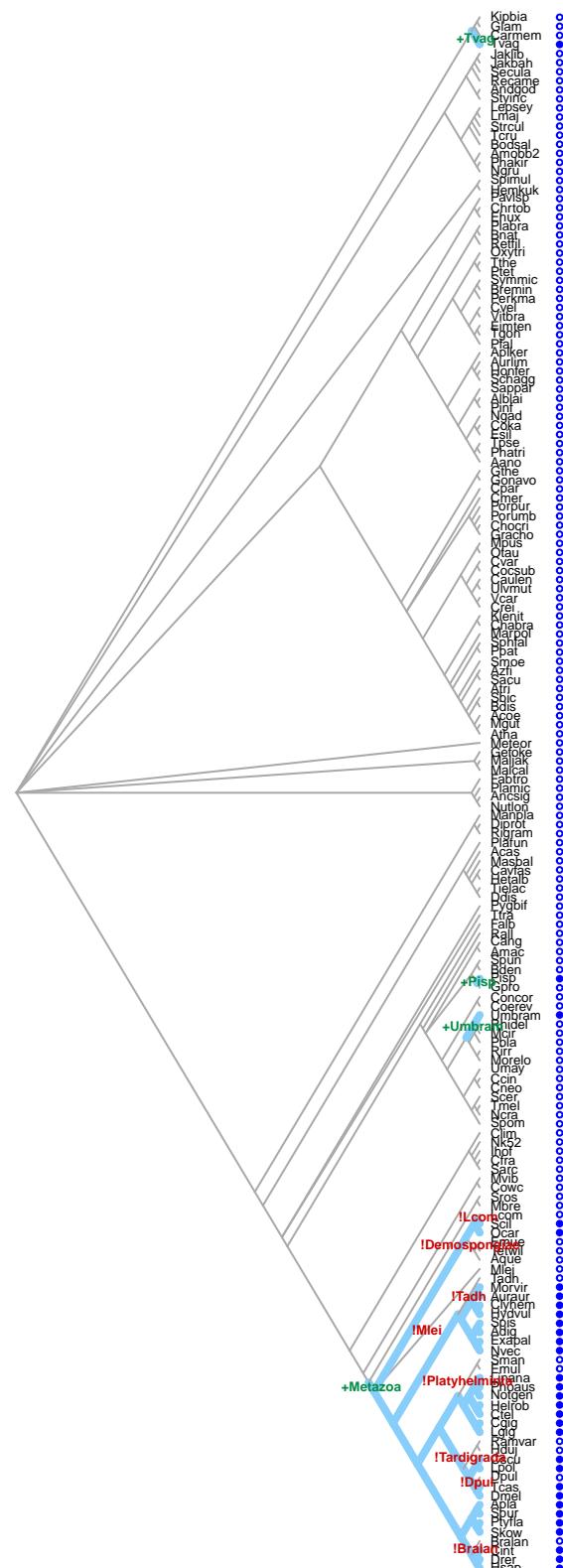


Bromodomain.HG5.0
ZMYND8/ZMYND11

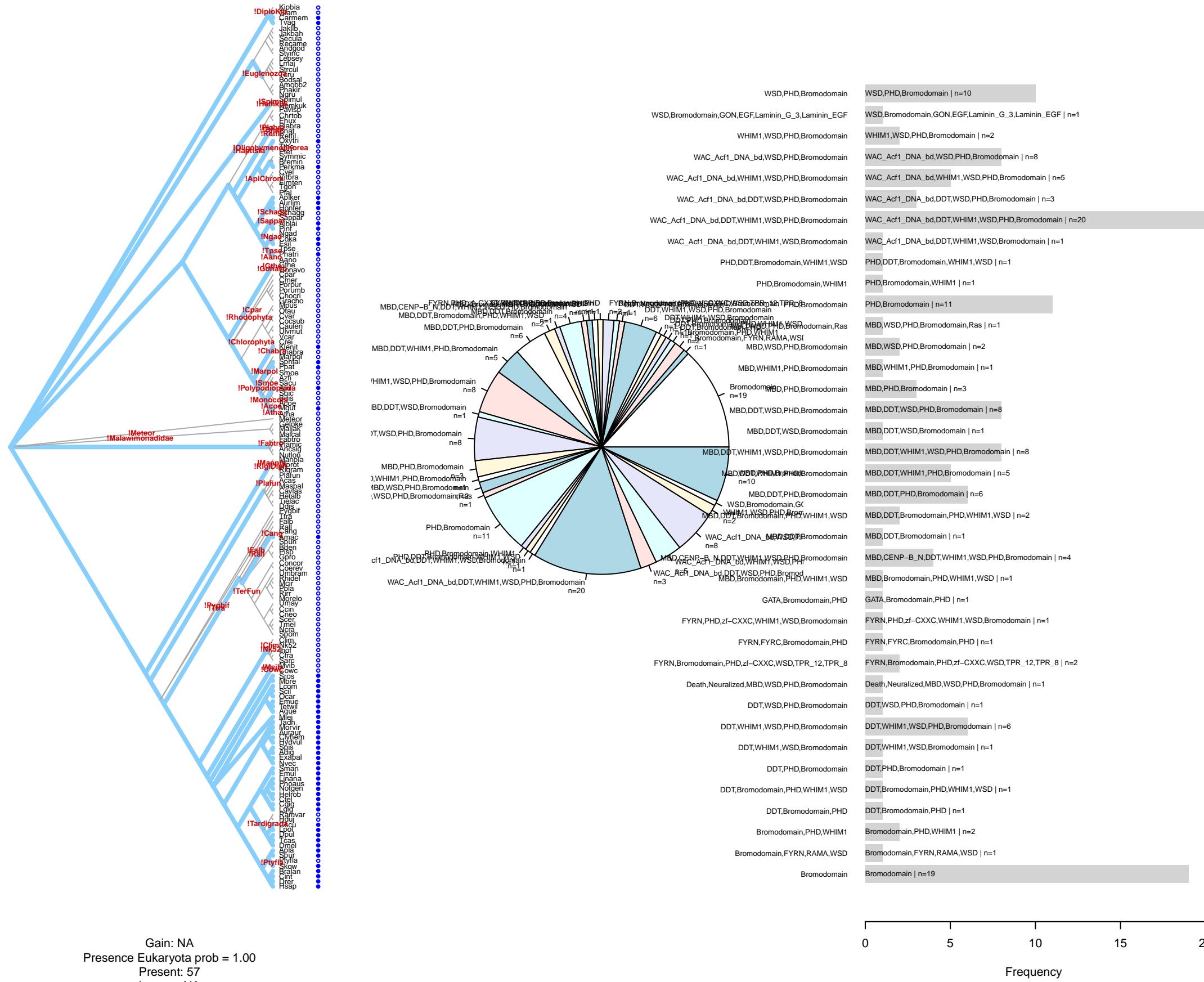


Gain: Ulvmut,NA
Presence Eukaryota prob = 1.00
Present: 46
Losses: NA

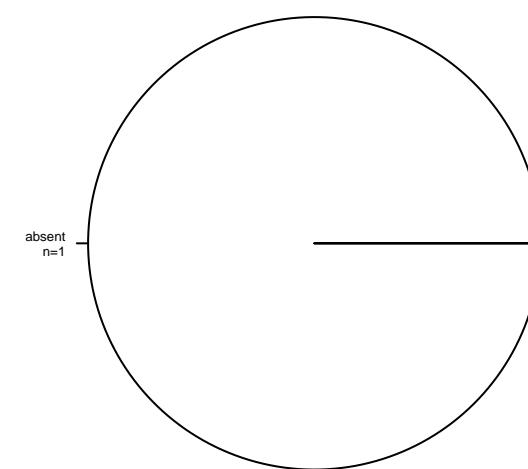
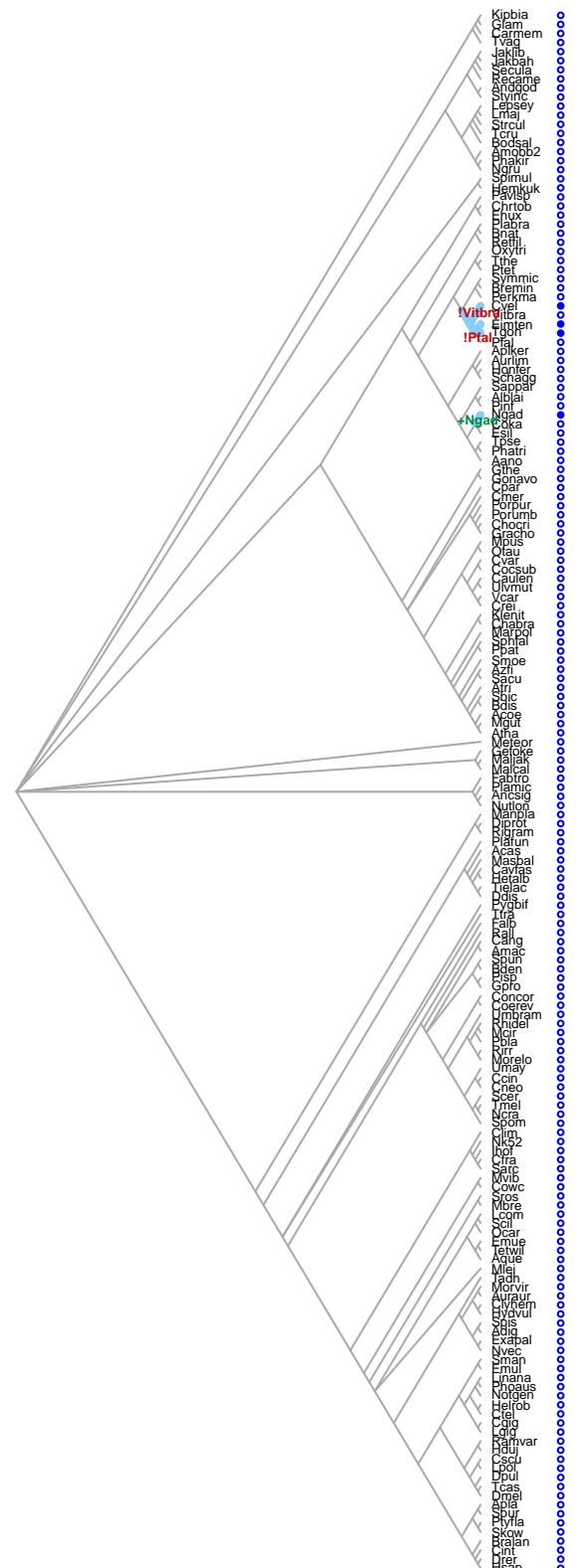




Bromodomain.HG5.2
BAZ1A/BAZ1B/BAZ2A/BAZ2B

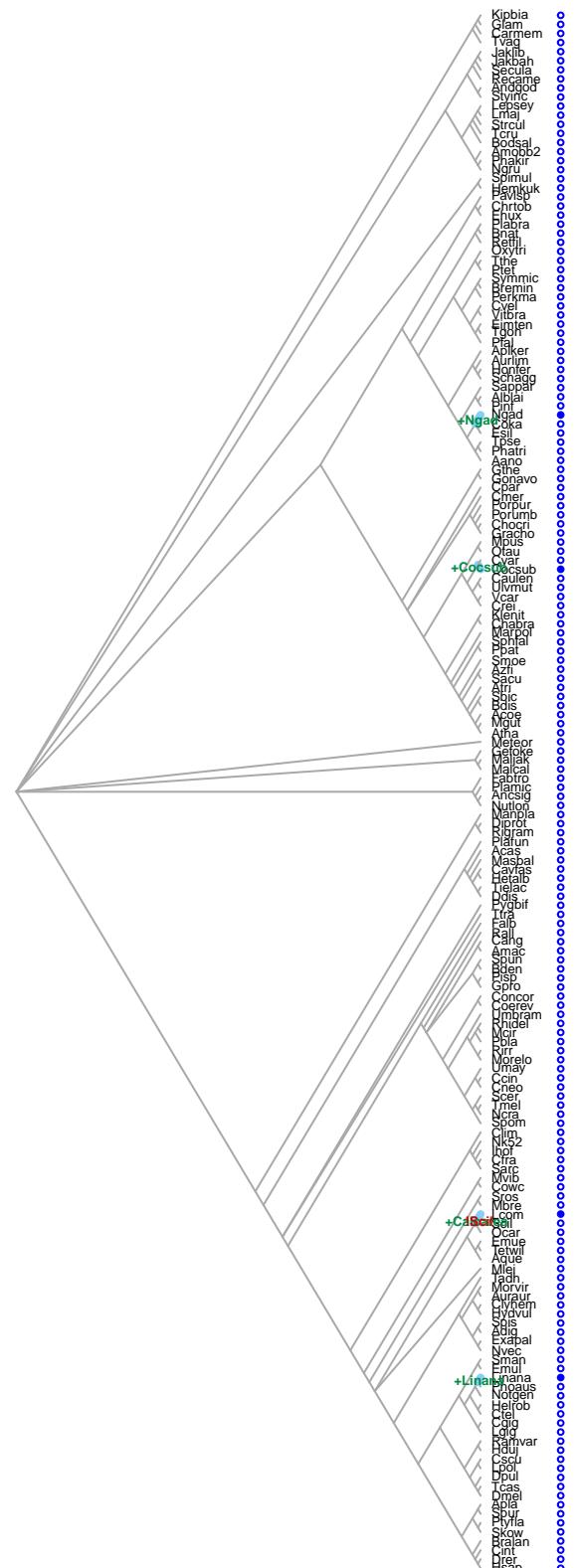


Bromodomain.HG5.3
like:BAZ1A/BAZ1B/BAZ2A/BAZ2B



0.0 0.2 0.4 0.6 0.8 1.0

Bromodomain.HG5.4
like:BAZ1A/BAZ1B/BAZ2A/BAZ2B

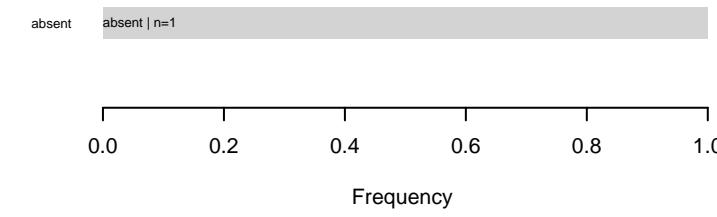
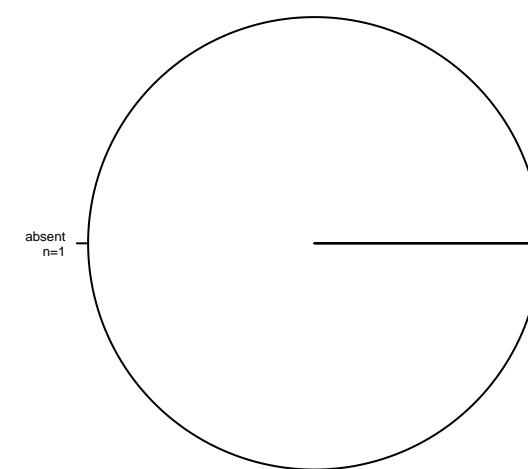


Gain: Linana,Calcarea,Cocsub,Ngad,NA

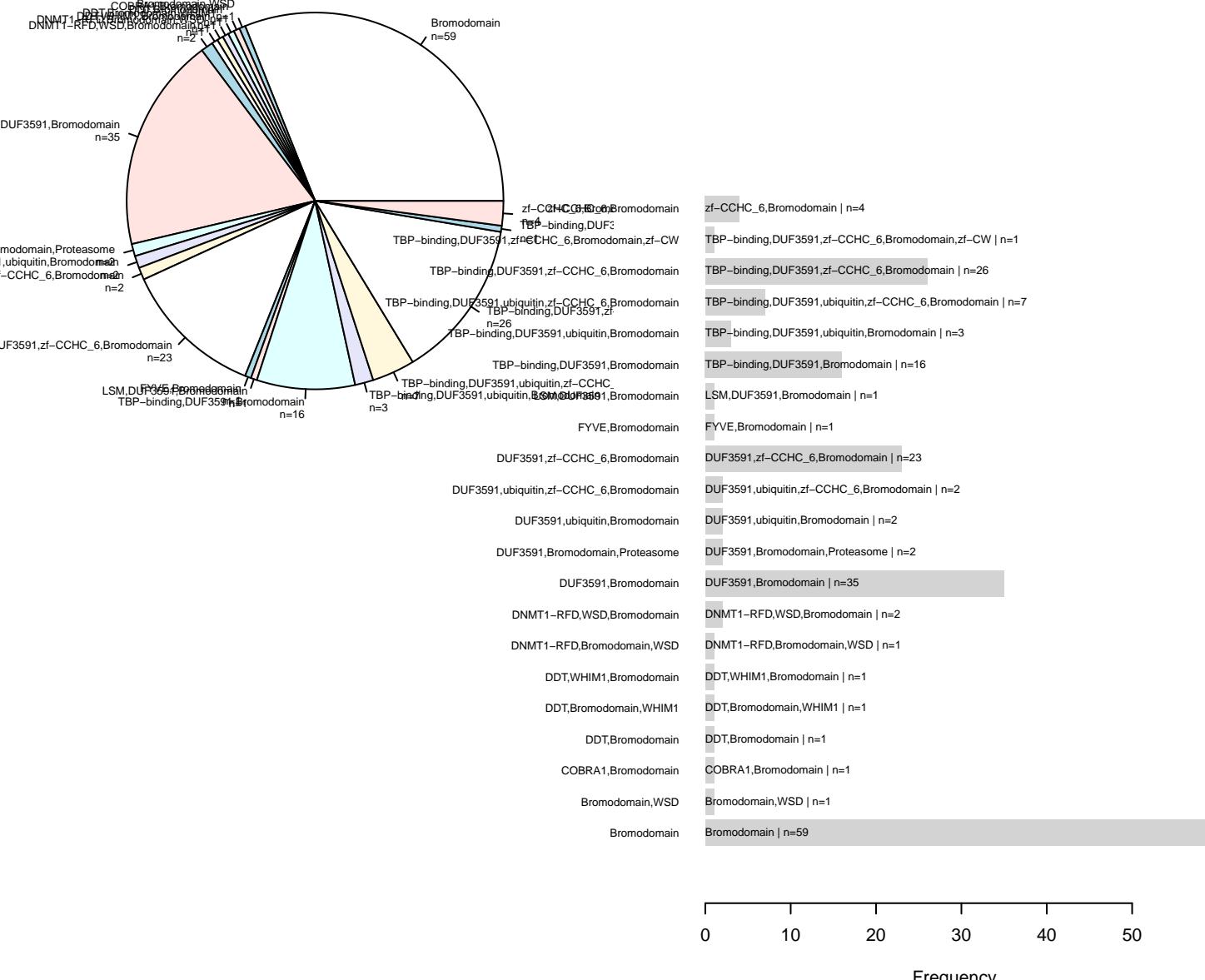
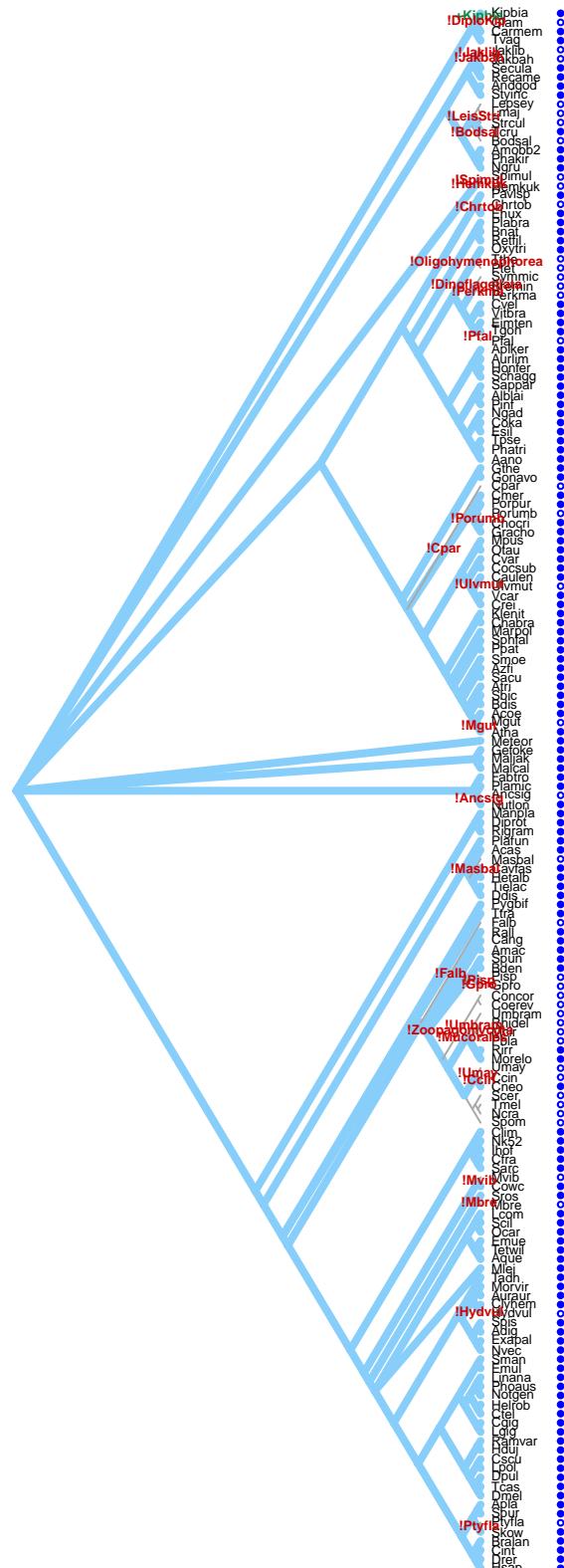
Presence Eukaryota prob = 0.00

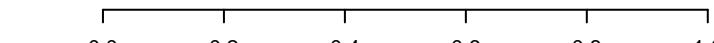
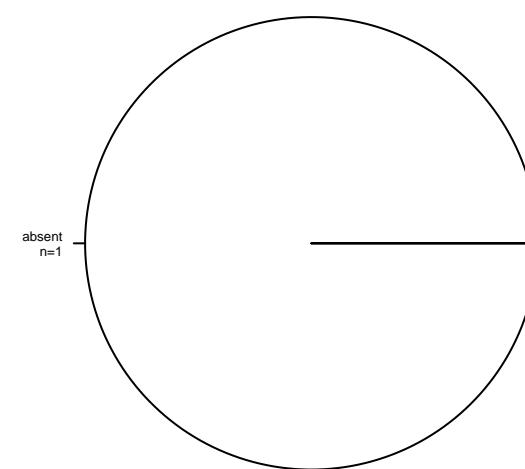
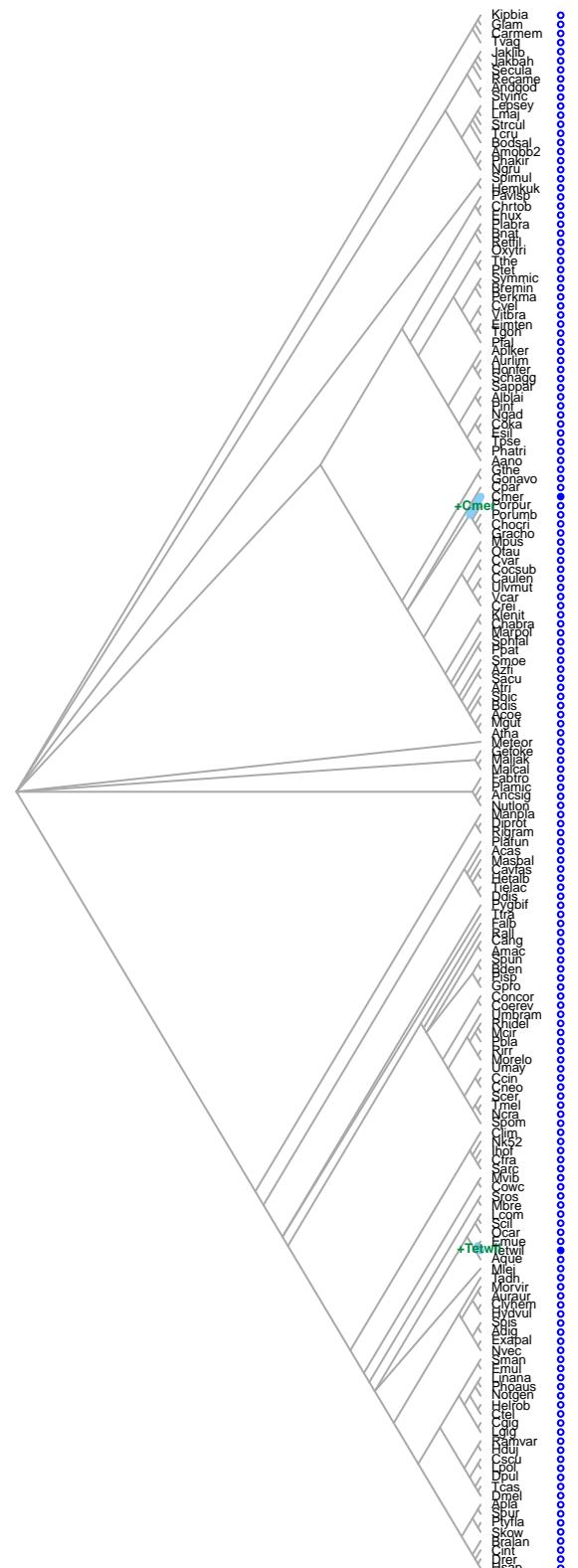
Present: 4

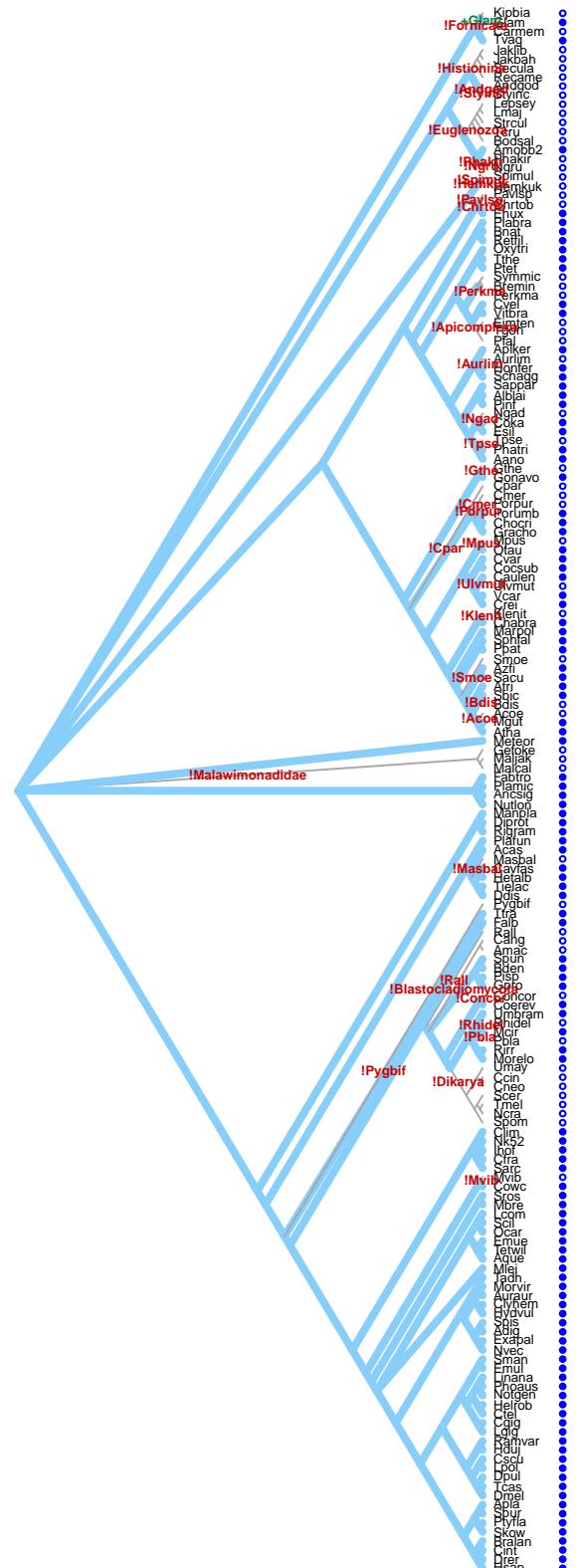
Losses: NA



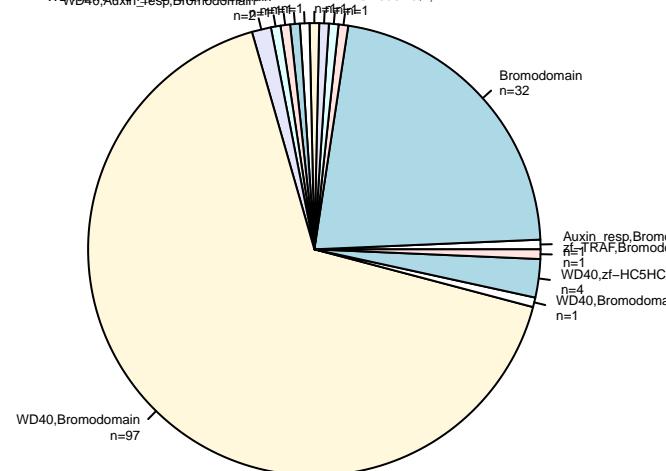
Bromodomain.HG6.0
TAF1/TAF1L







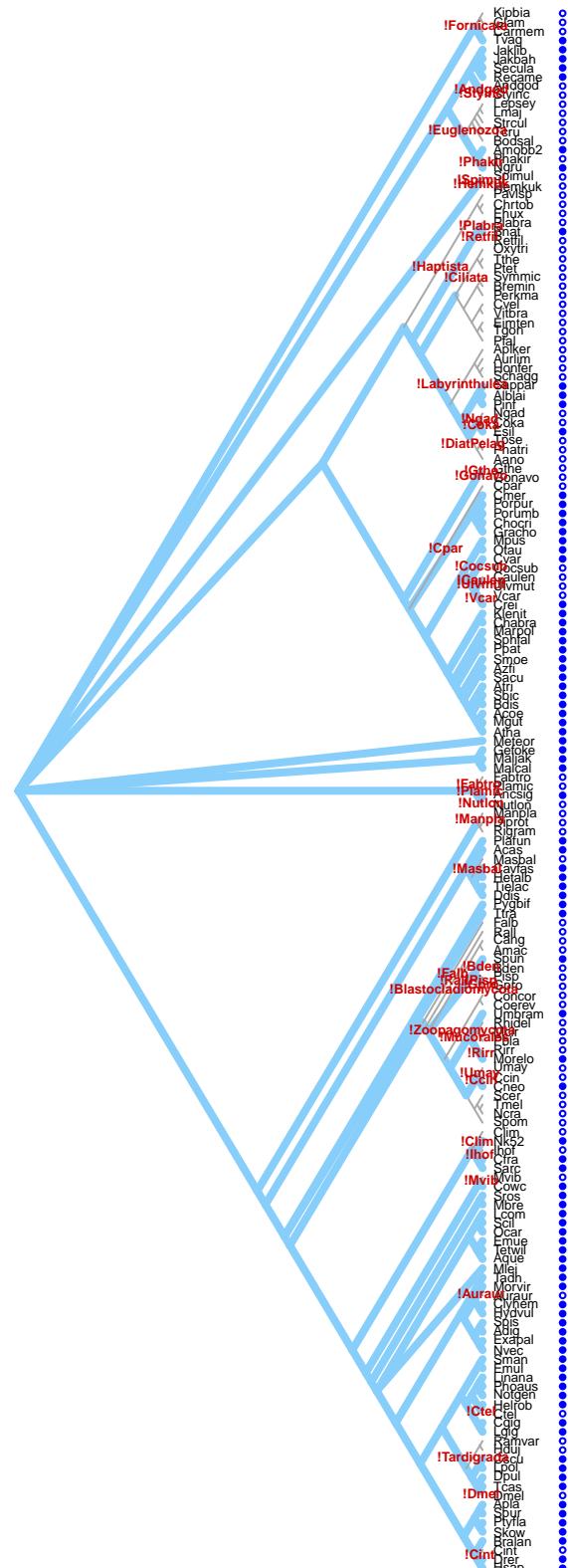
WD40,ANAPC4,THAP,Bromodomain



0 20 40 60 80

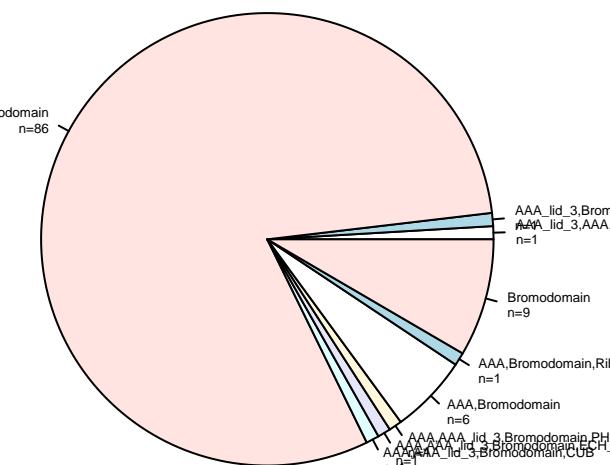
Frequency

Bromodomain.HG8.0
ATAD2/ATAD2B



AAA,AAA_id_3,Bromodomain

n=86



Bromodomain | n=9

AAA,Bromodomain,Ribosomal_L17 | n=1

AAA,Bromodomain | n=6

AAA,AAA_id_3,Bromodomain,PHD | n=1

AAA,AAA_id_3,Bromodomain,ECH_1,3HCDH_N,3HCDH | n=1

AAA,AAA_id_3,Bromodomain,CUB | n=1

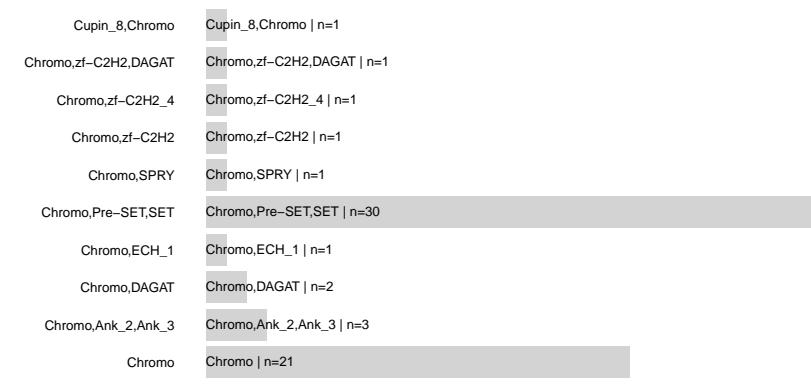
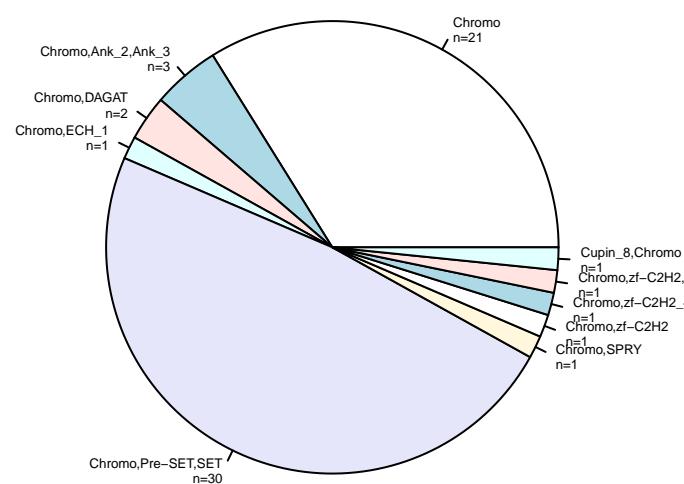
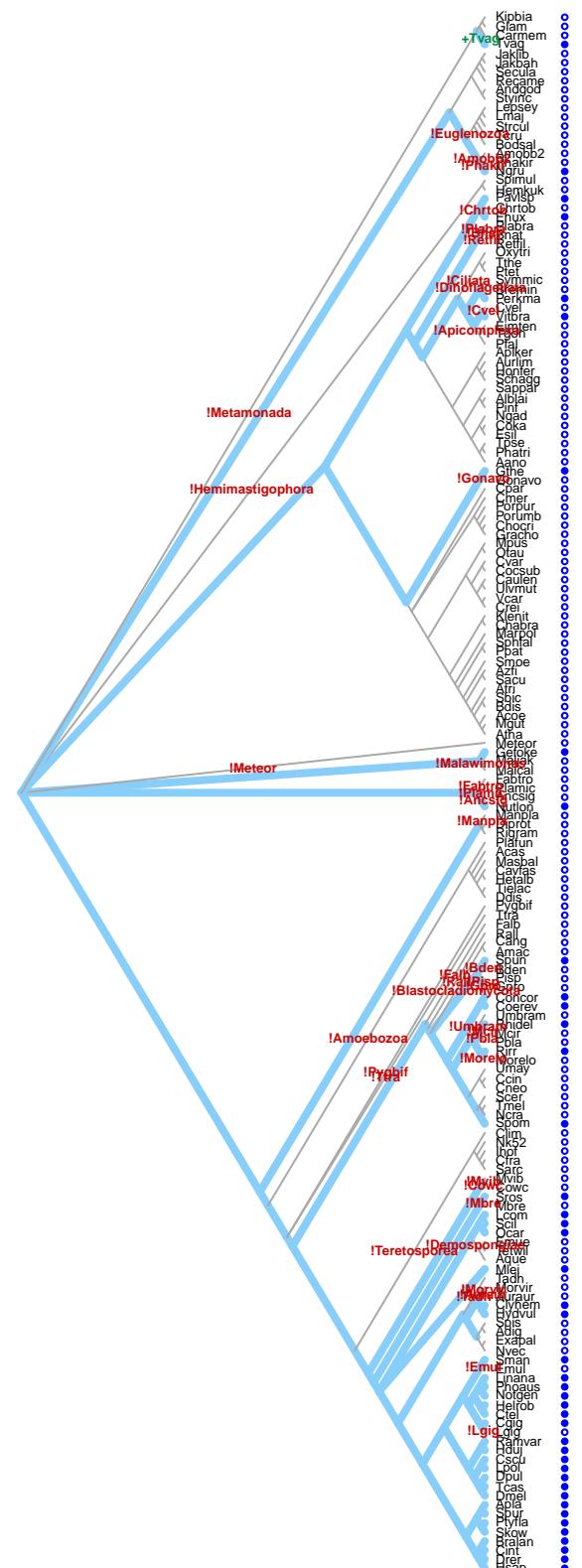
AAA,AAA_id_3,Bromodomain | n=86

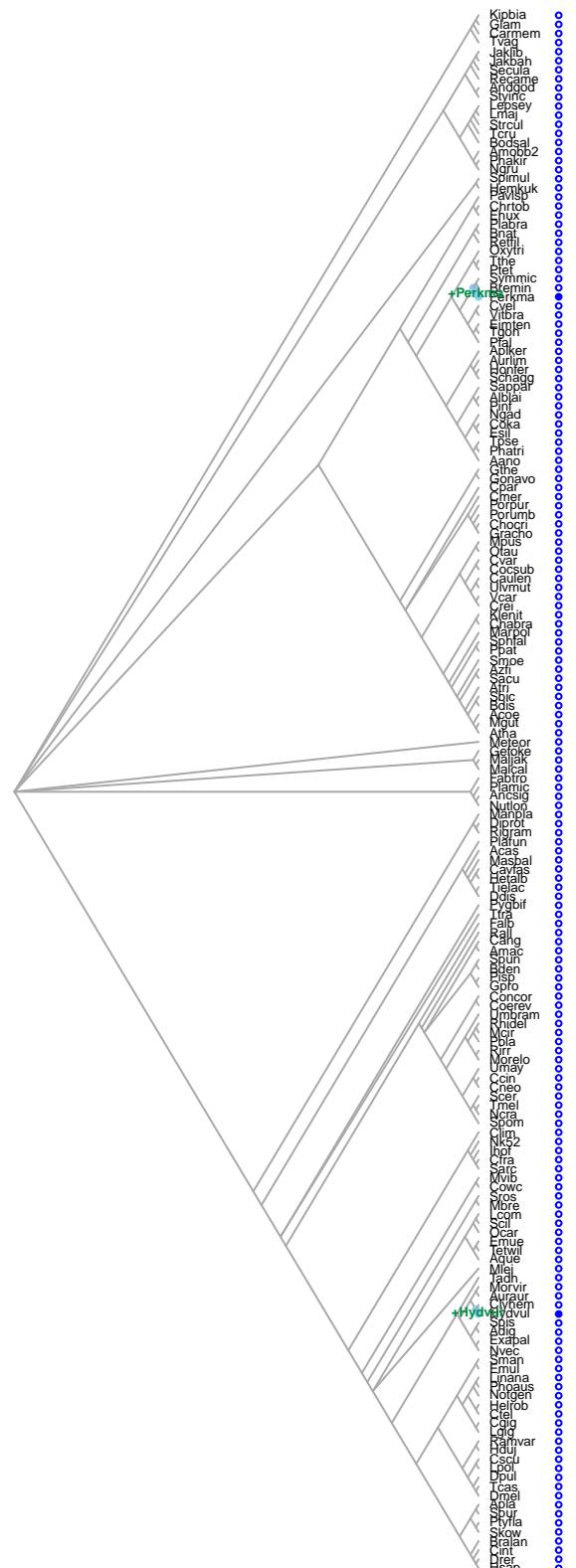
AAA_id_3,Bromodomain | n=1

AAA_id_3,AAA,Bromodomain | n=1

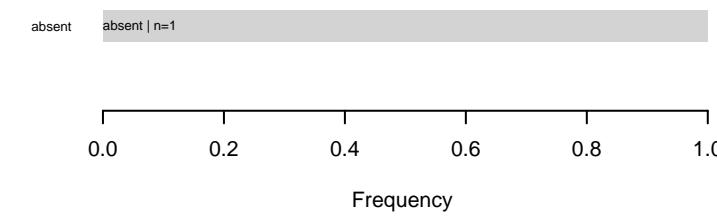
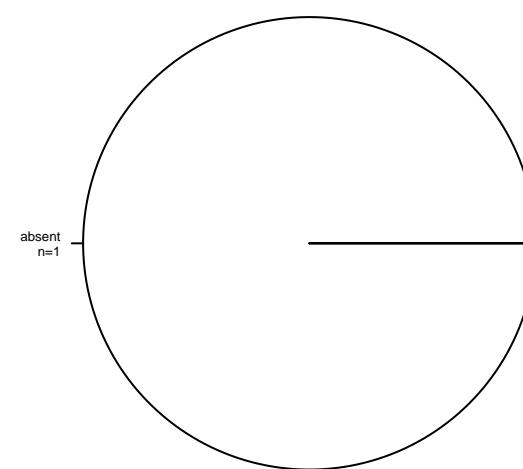
0 20 40 60 80

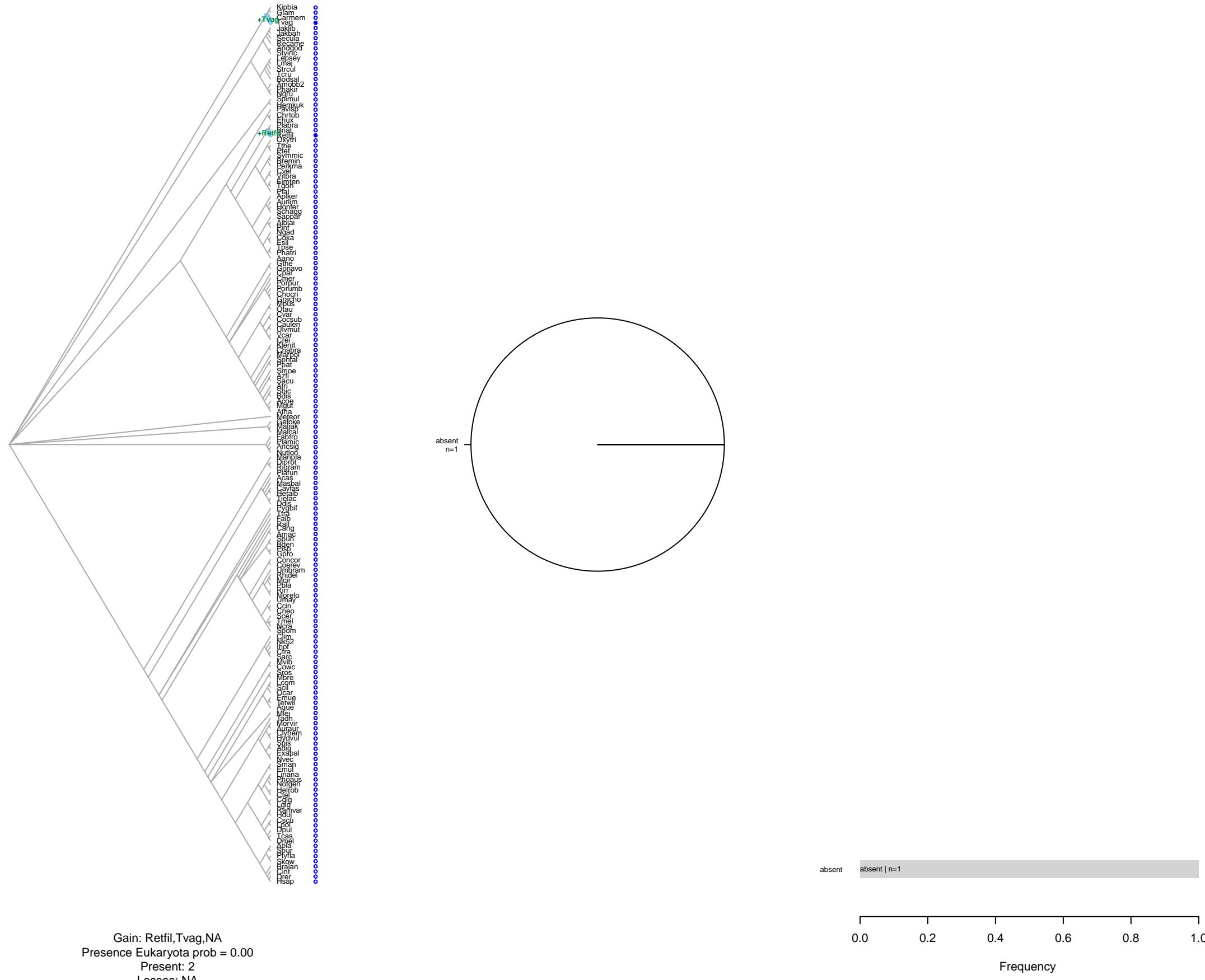
Frequency

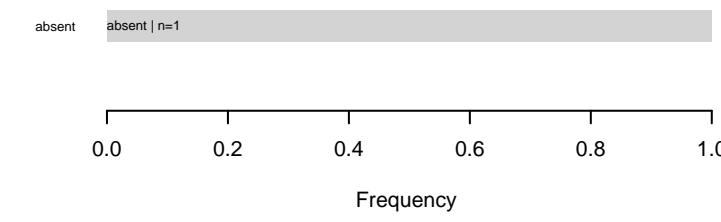
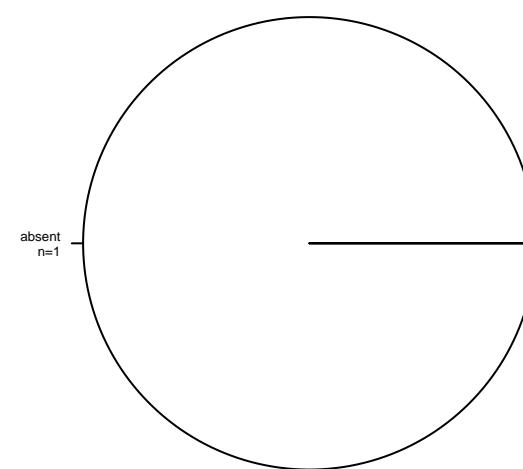
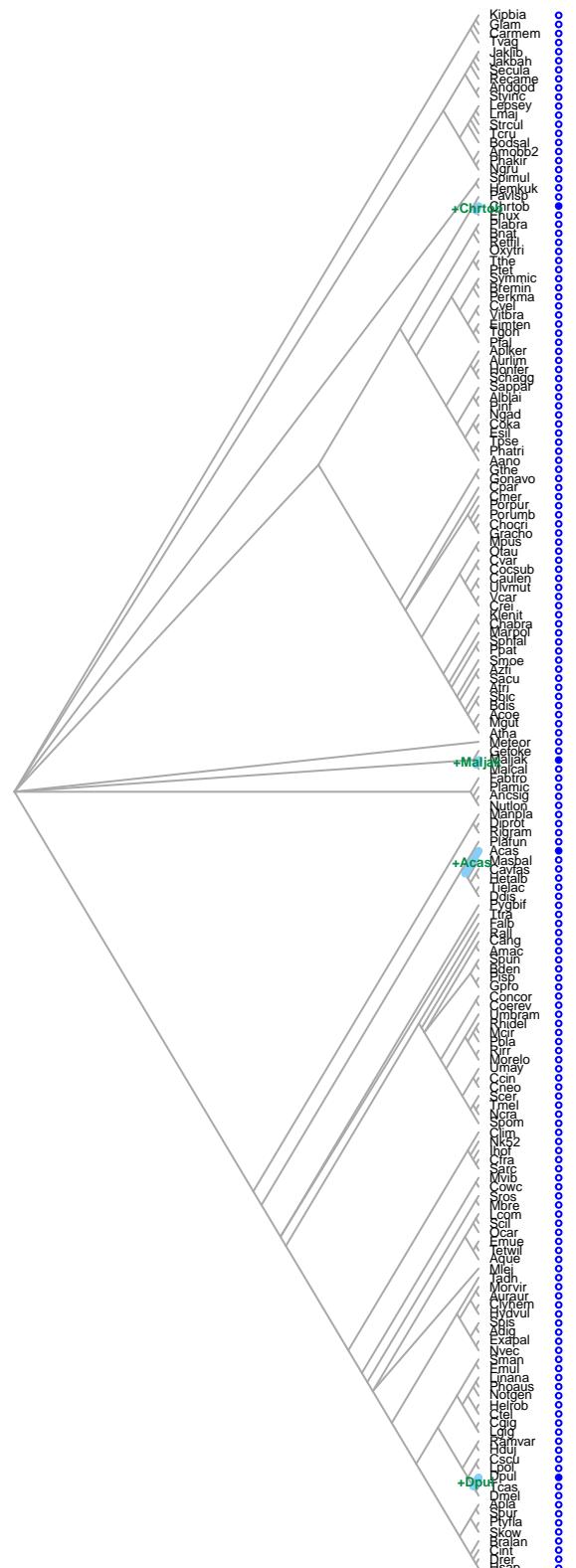


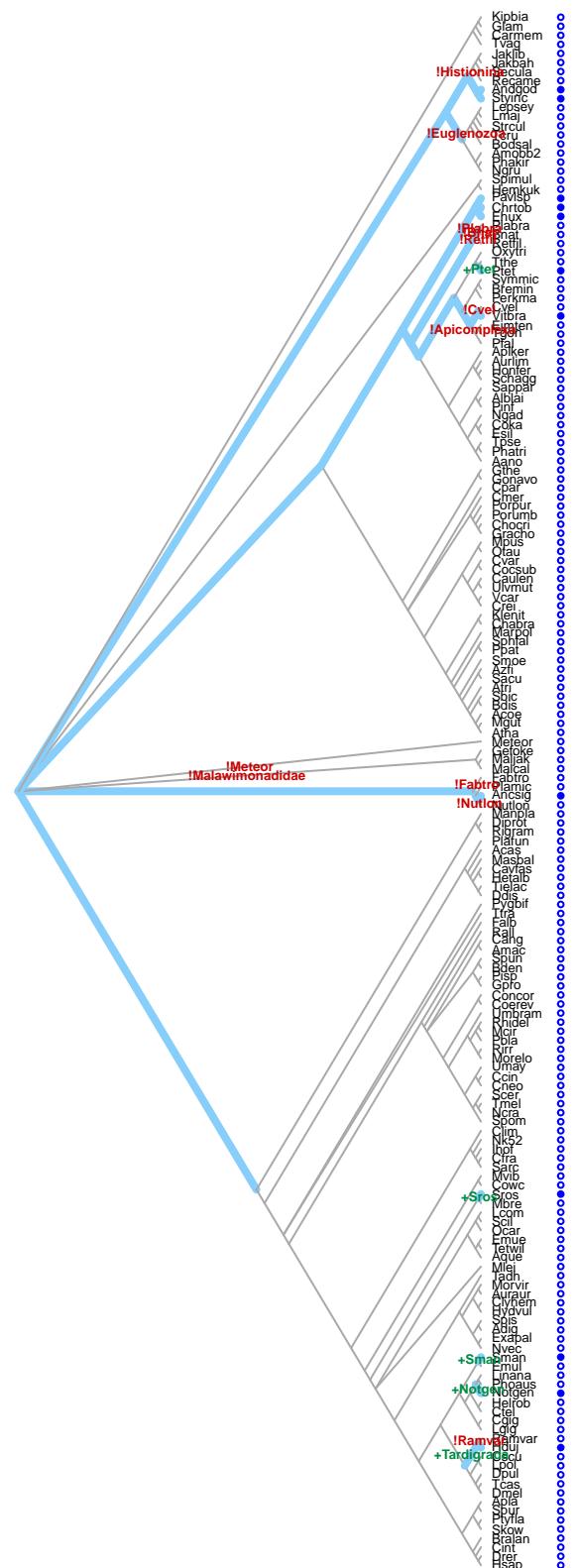


Gain: Hydvul,Perkma,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA







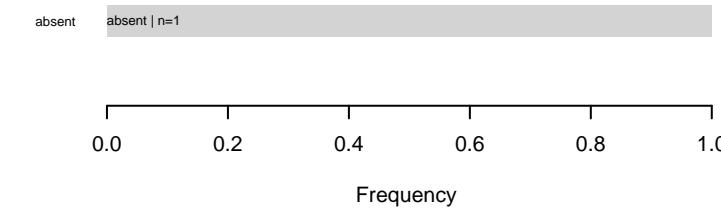
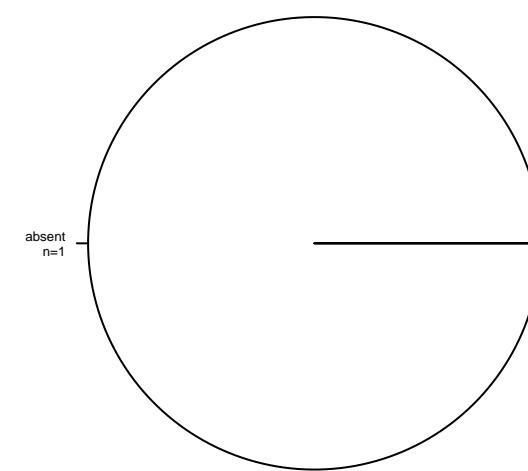


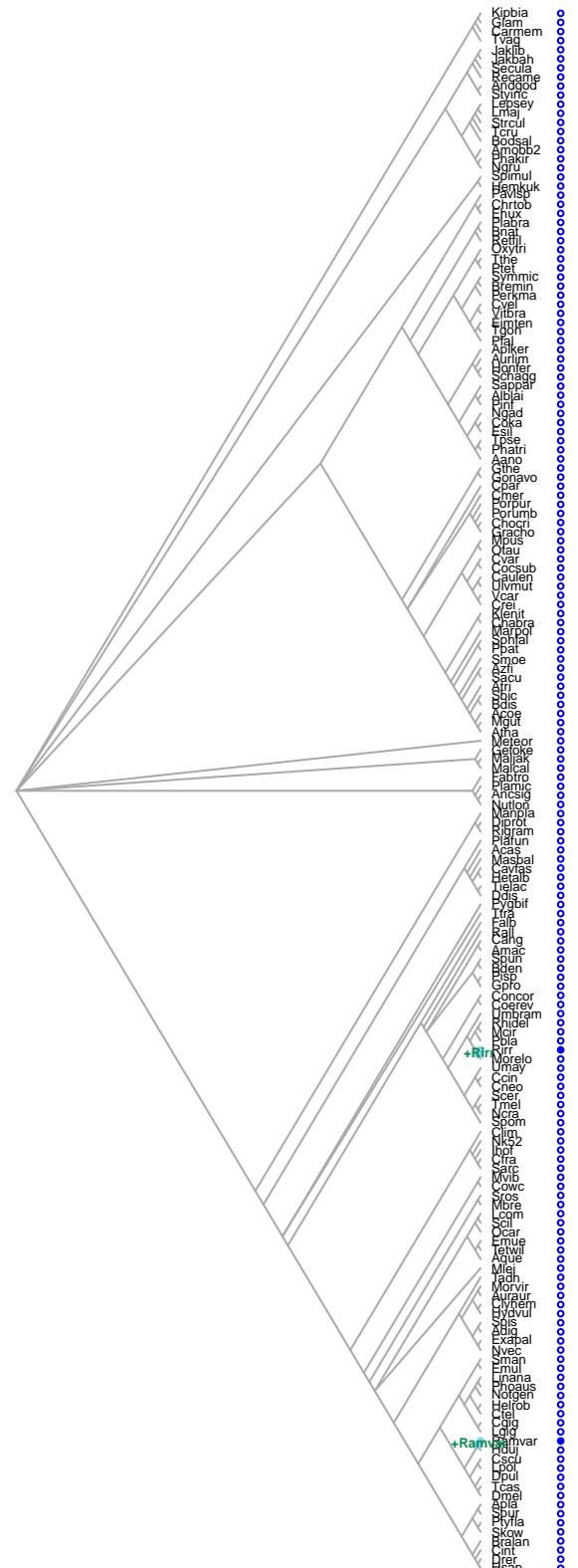
Gain: Tardigrada,Notgen,Sman,Sros,Ptet,NA

Presence Eukaryota prob = 0.61

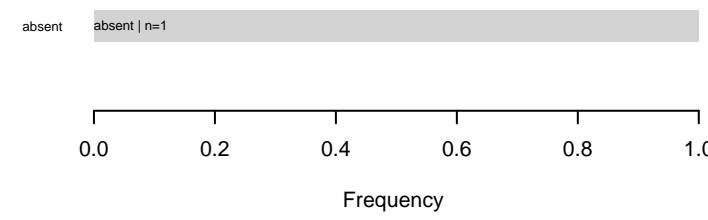
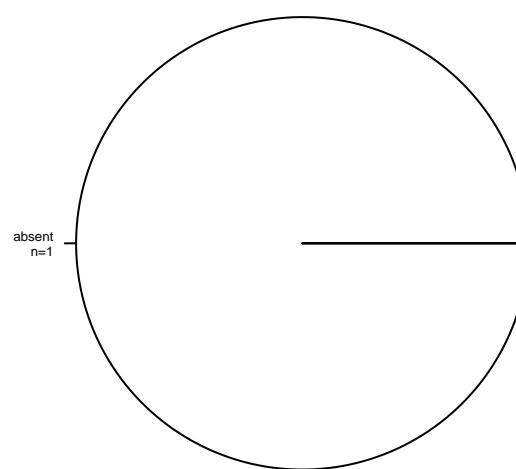
Present: 12

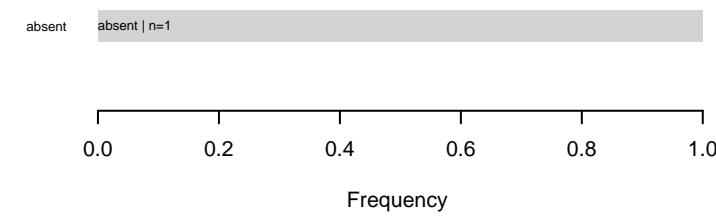
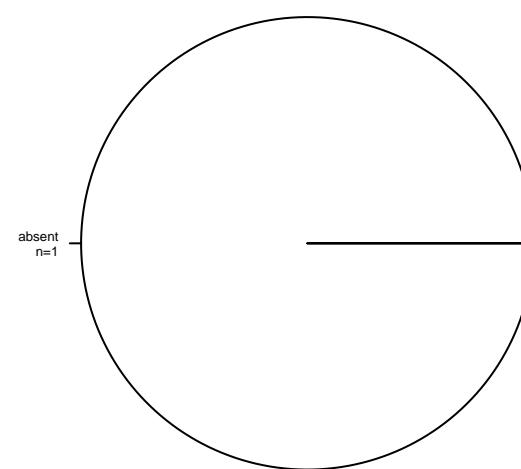
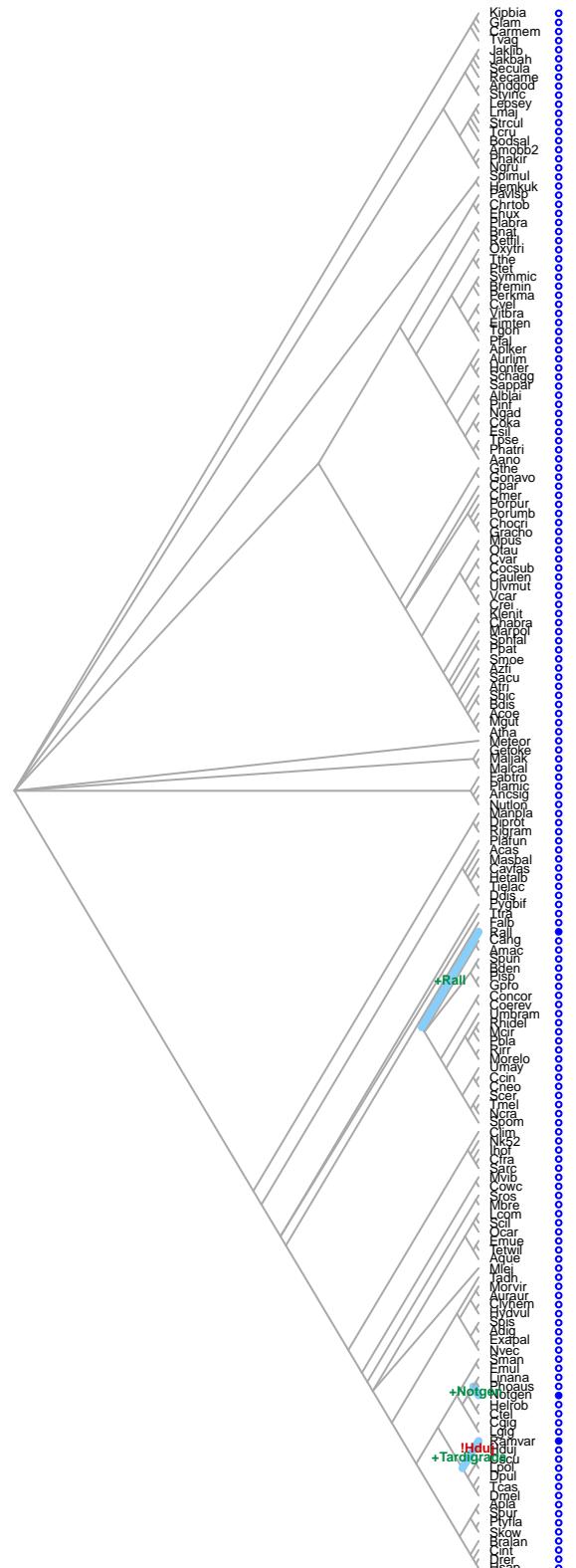
Losses: NA

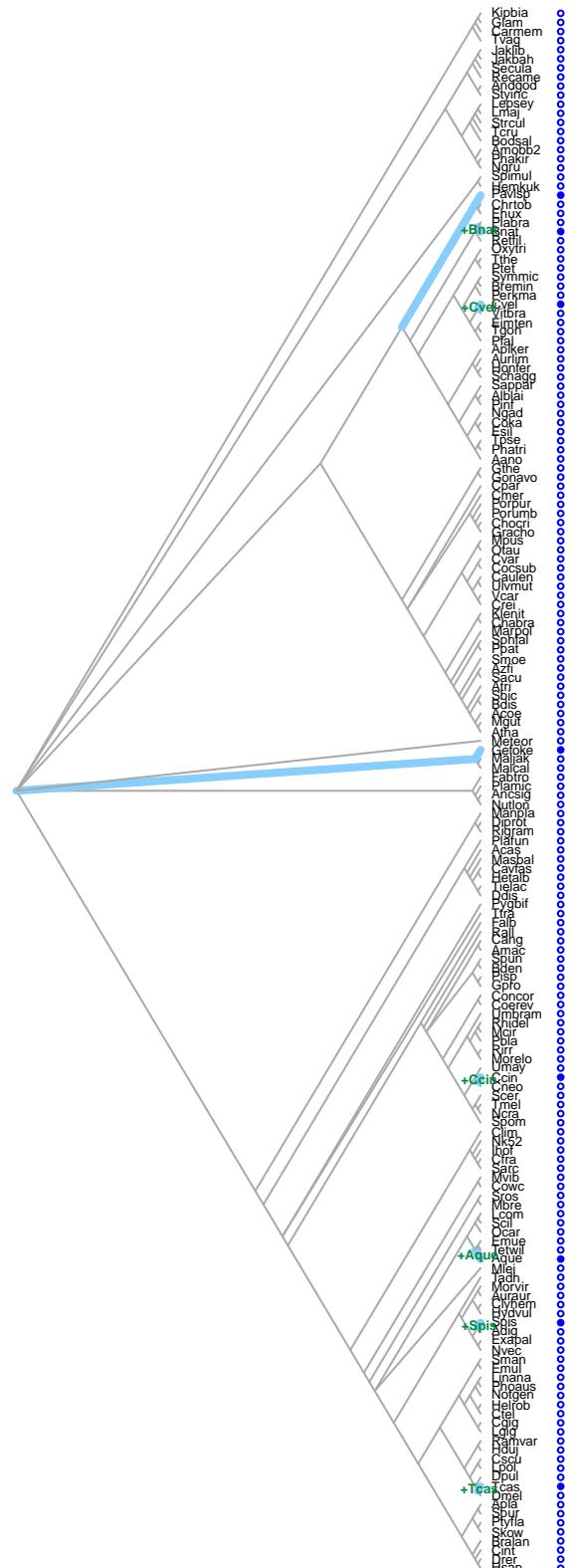




Gain: Ramvar,Rirr,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA





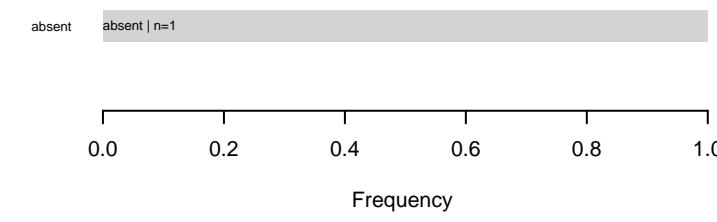
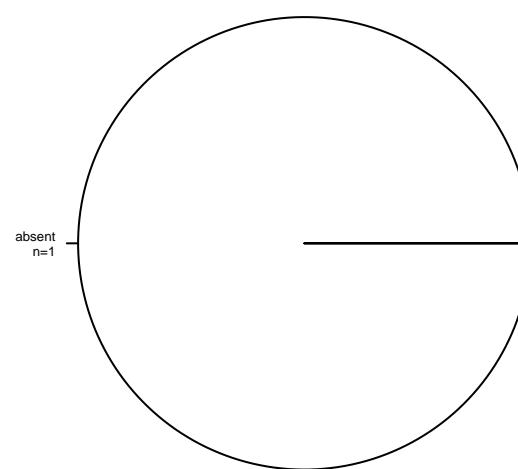


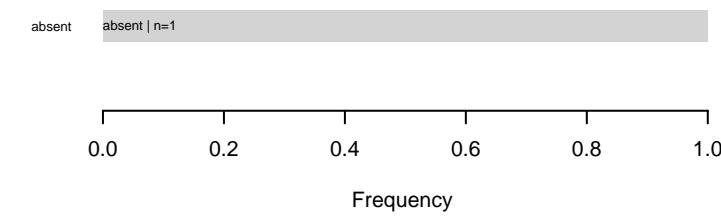
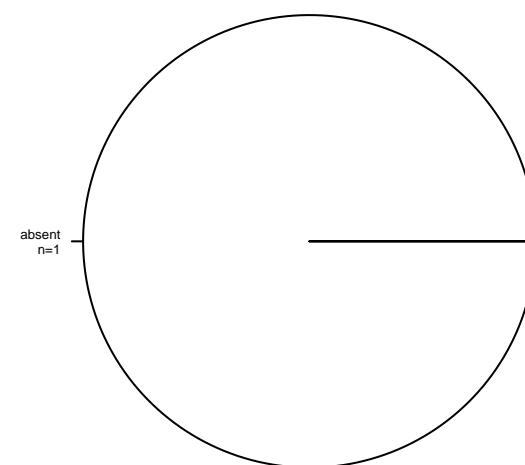
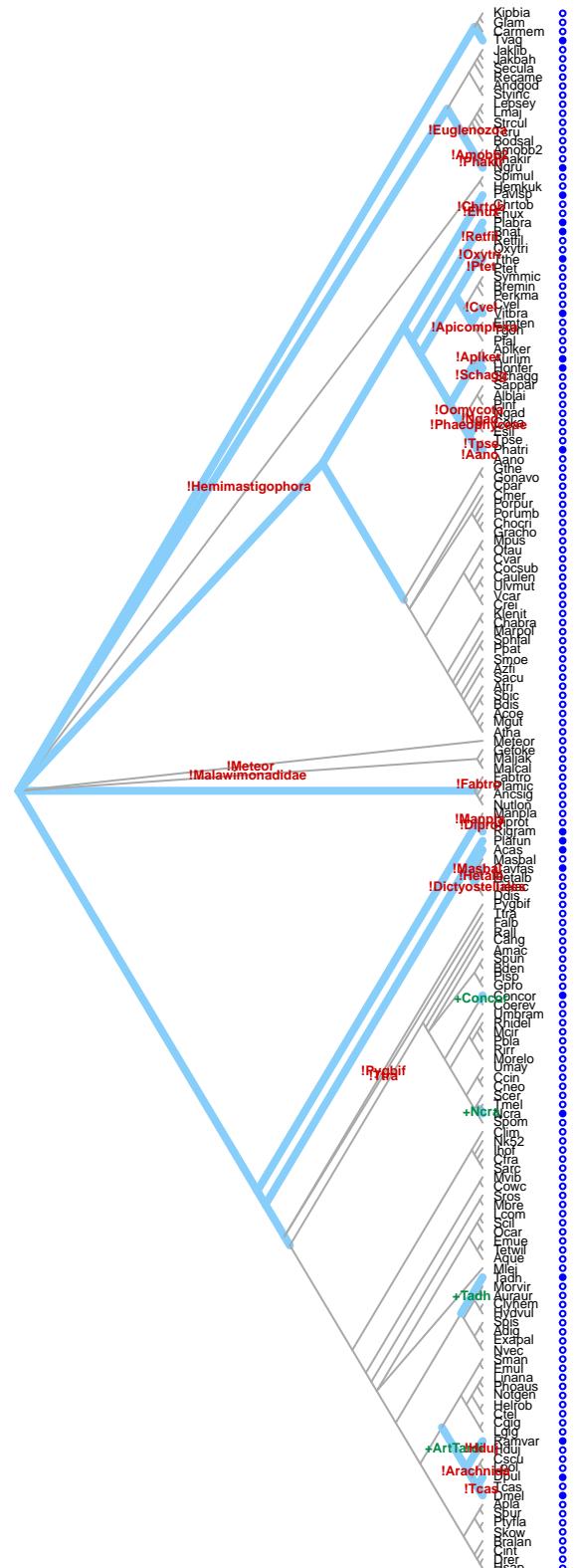
Gain: Tcas,Spis,Aque,Ccin,Cvel,Bnat,NA

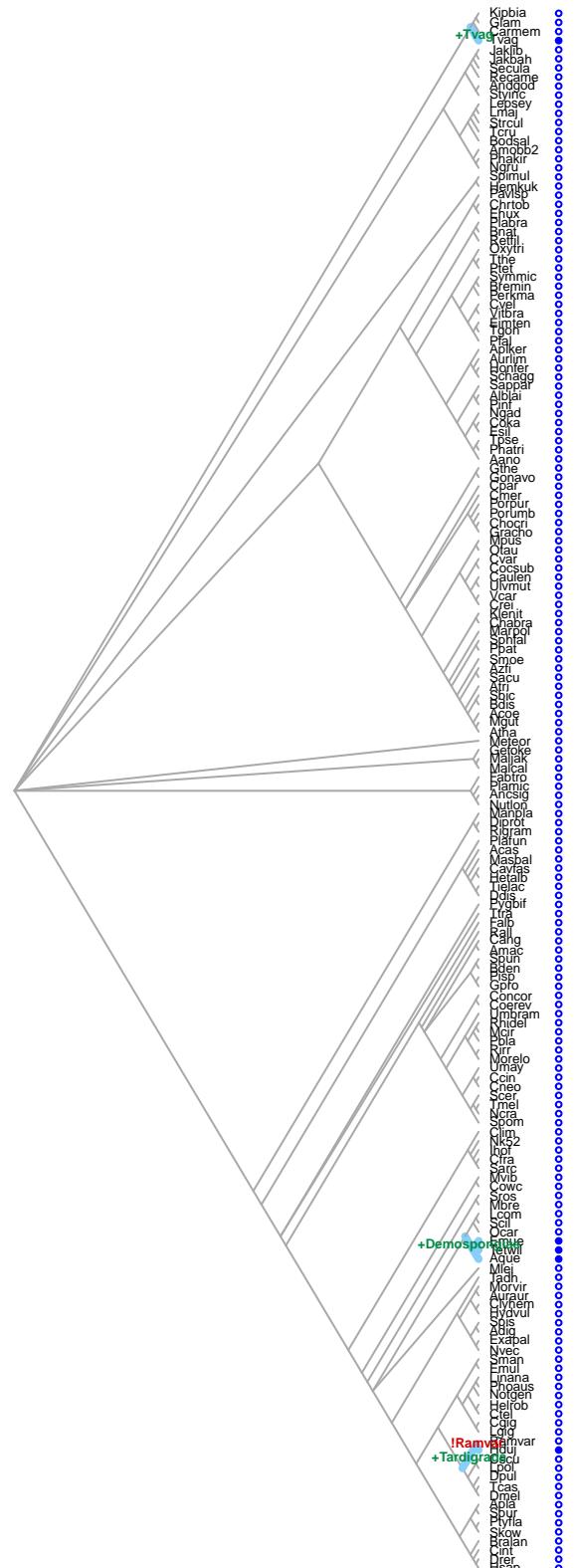
Presence Eukaryota prob = 0.36

Present: 8

Losses: NA





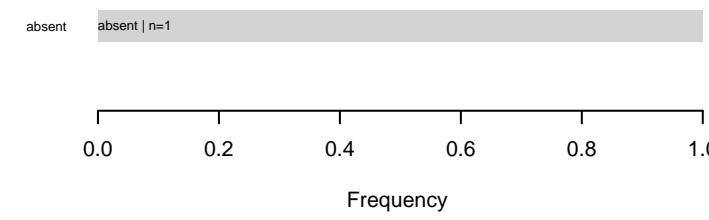
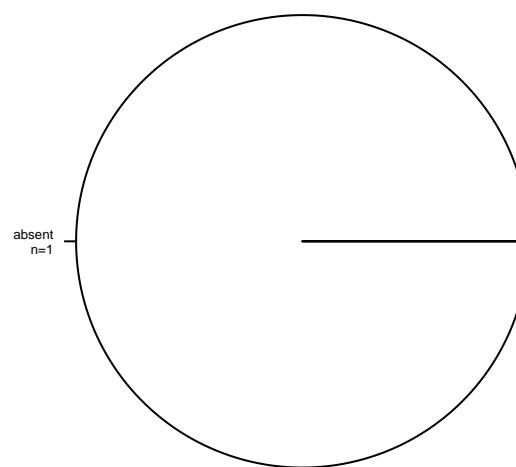


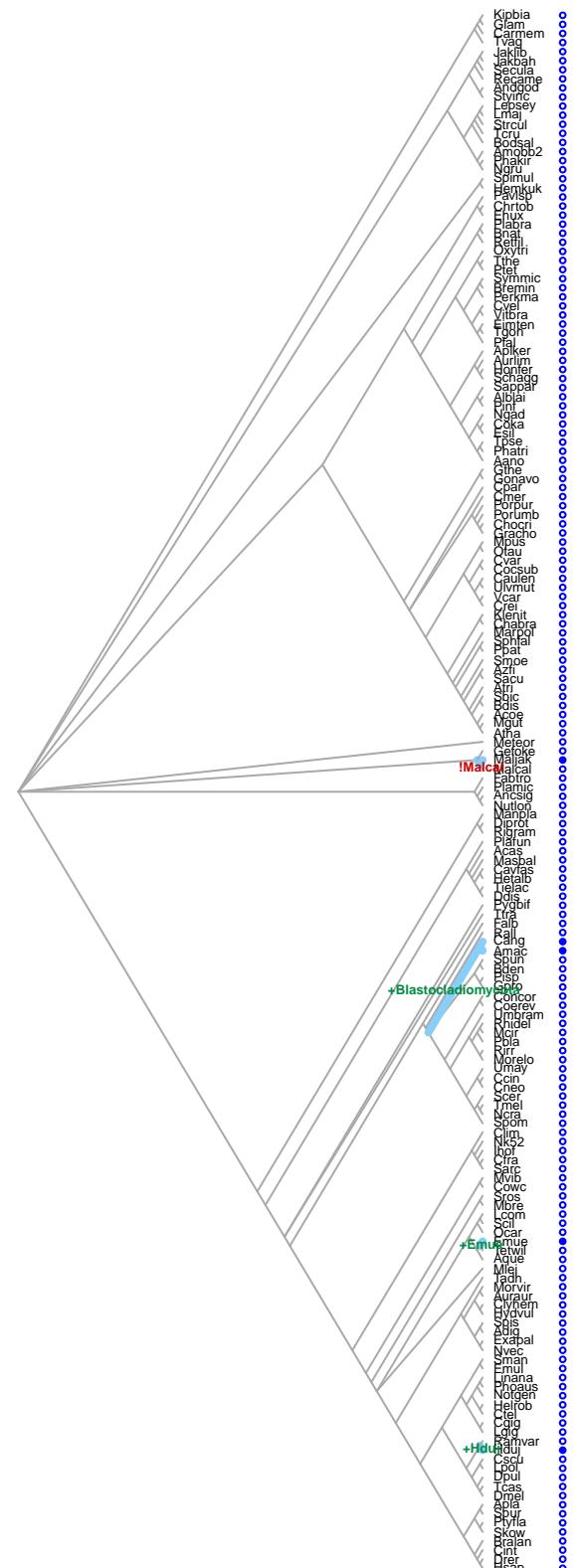
Gain: Tardigrada, Demospongiae, Tvg, NA

Presence Eukaryota prob = 0.00

Present: 5

Losses: NA



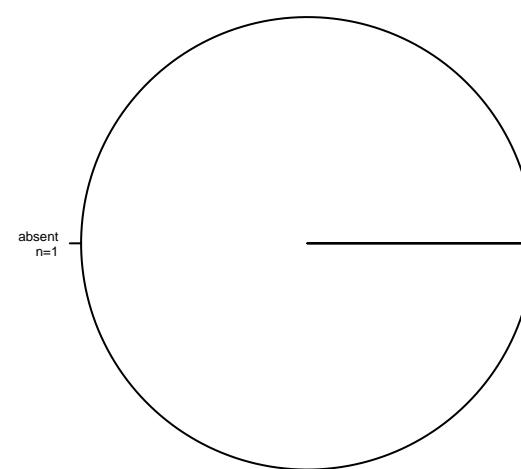


Gain: Hduj,Emue,Blastocladomyces,NA

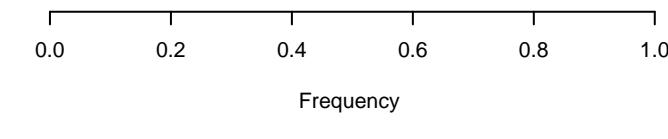
Presence Eukaryota prob = 0.01

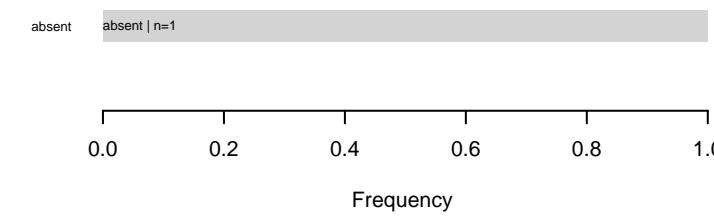
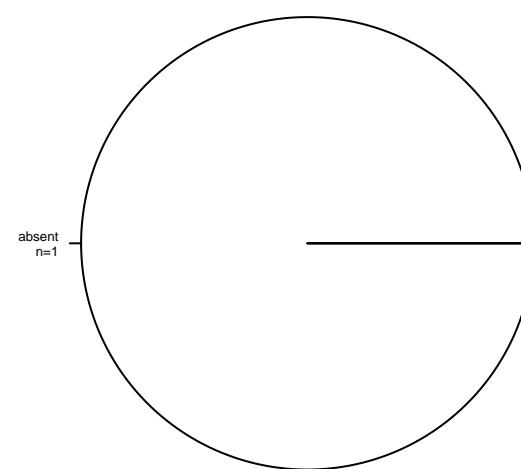
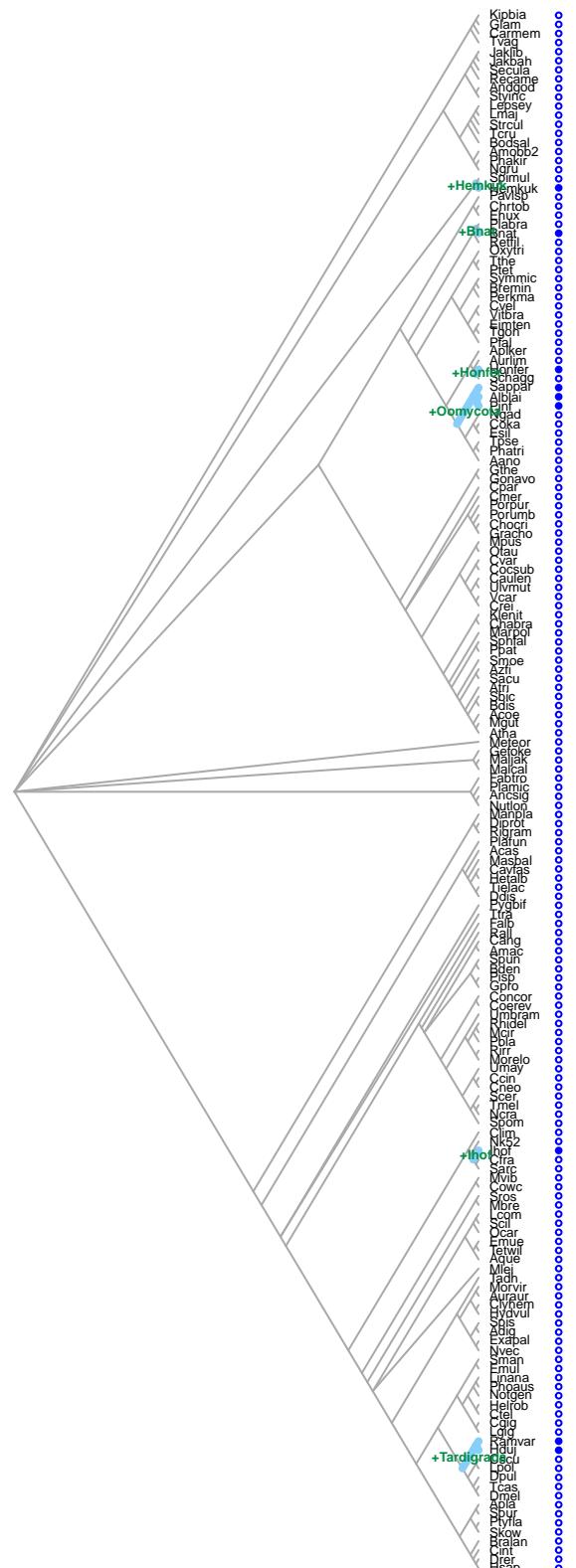
Present: 5

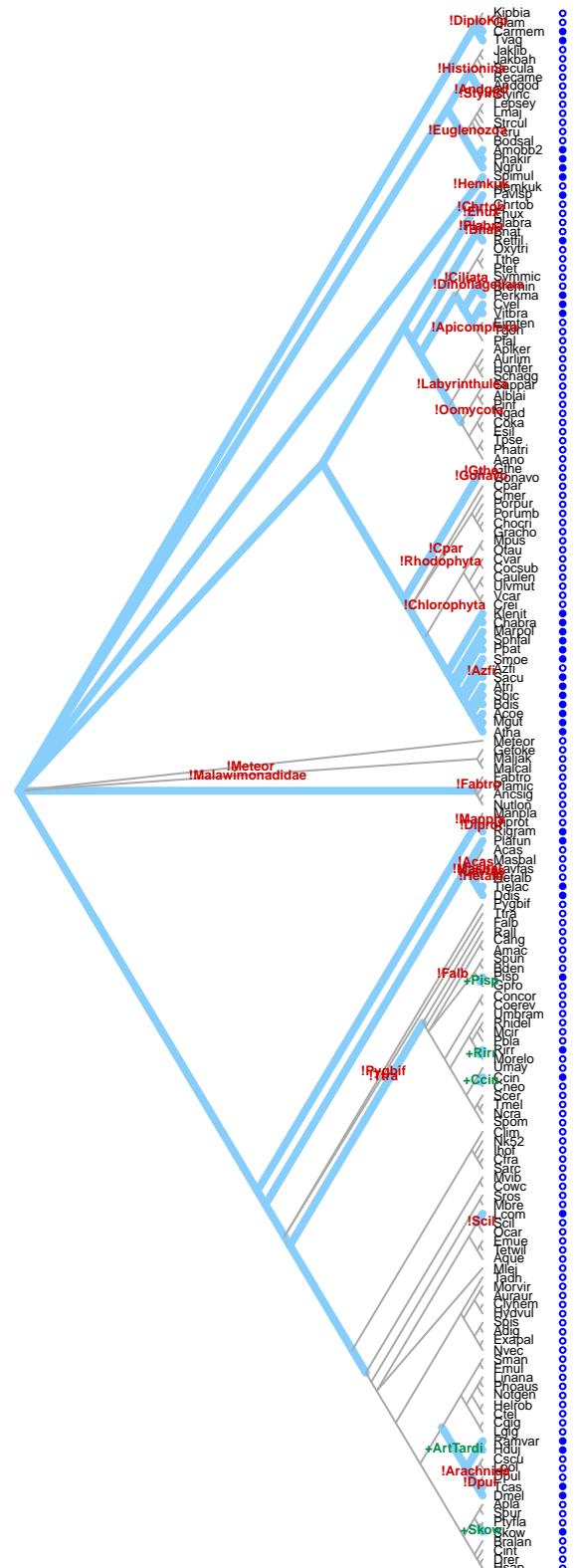
Losses: NA



absent | n=1





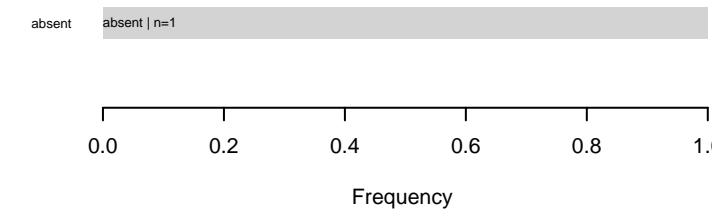
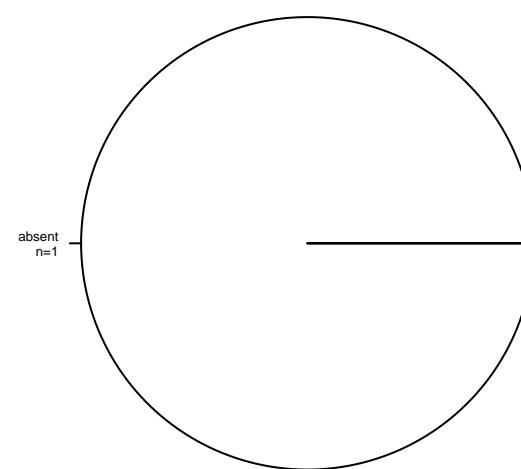


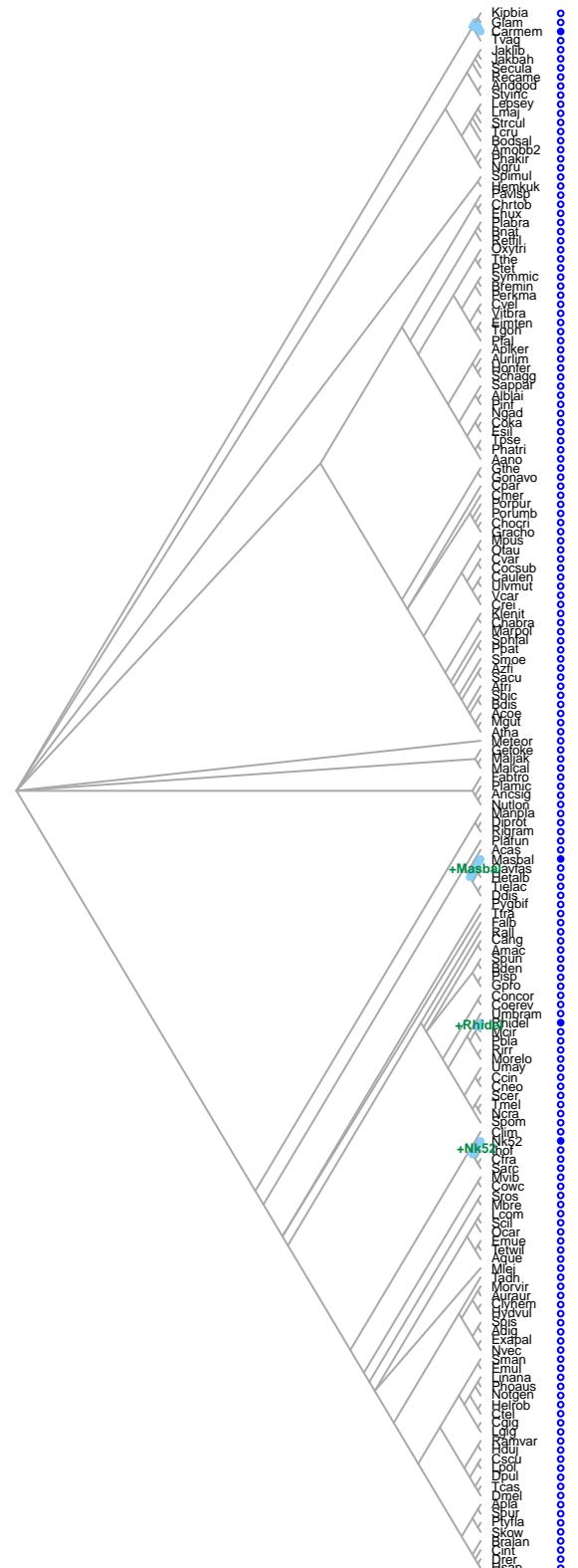
Gain: Skow, ArtTardi, Ccin, Rirr, Pisp, NA

Presence Eukaryota prob = 1.00

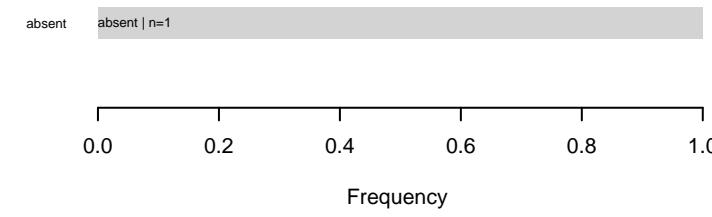
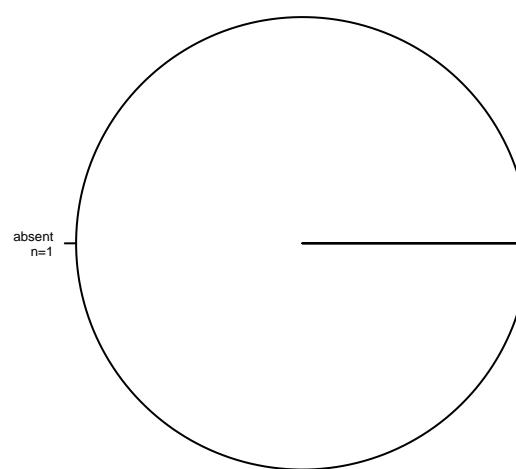
Present: 37

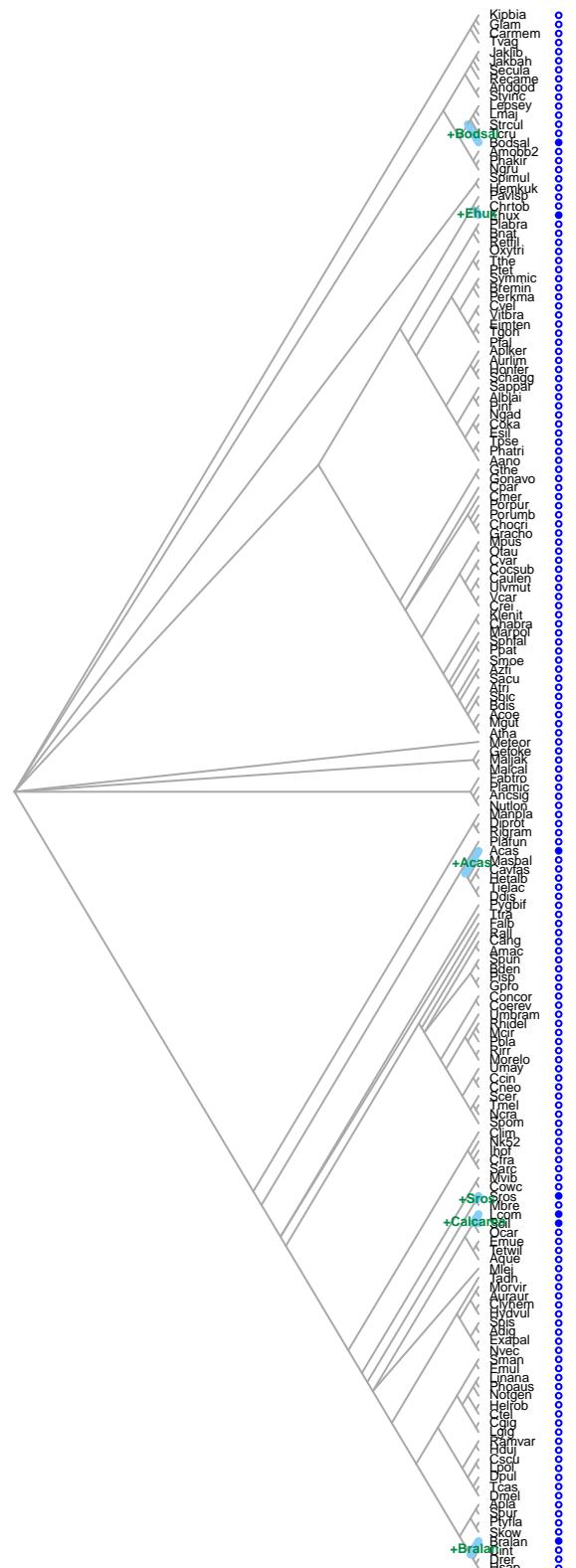
Losses: NA





Gain: Nk52,Rhidel,Masbal,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



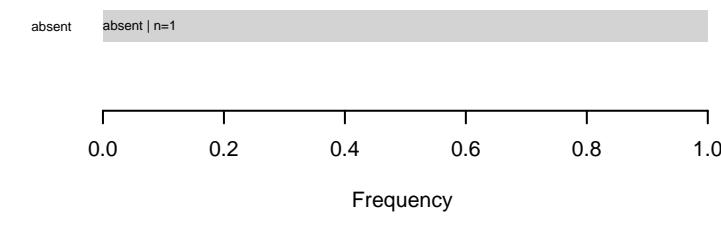
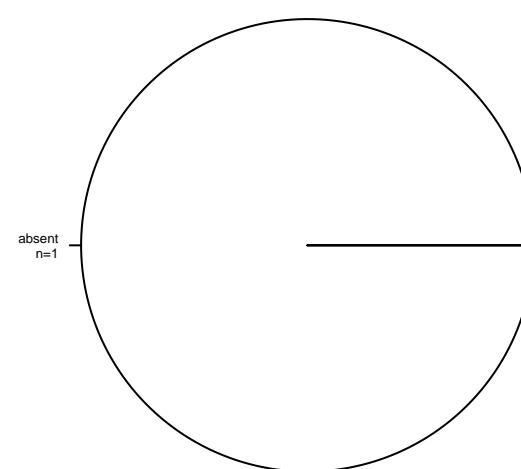


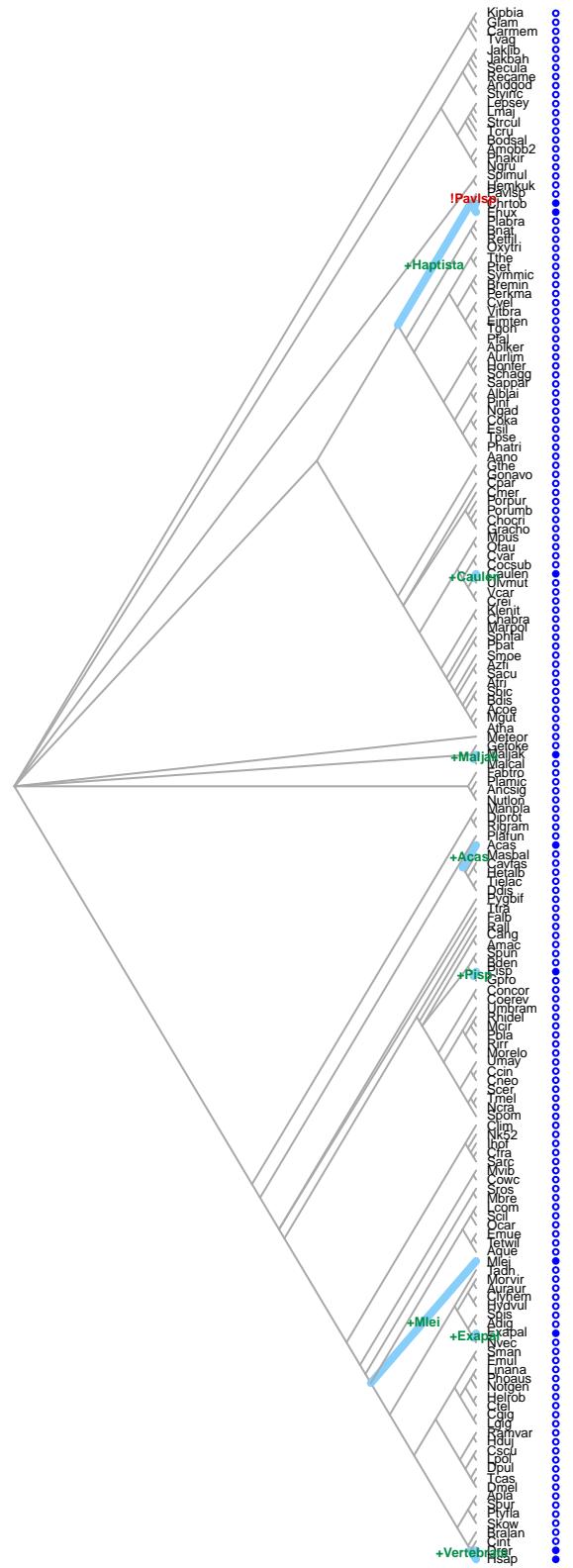
Gain: Bralan,Calcareo,Sros,Acas,Ehux,Bodsal,NA

Presence Eukaryota prob = 0.05

Present: 7

Losses: NA



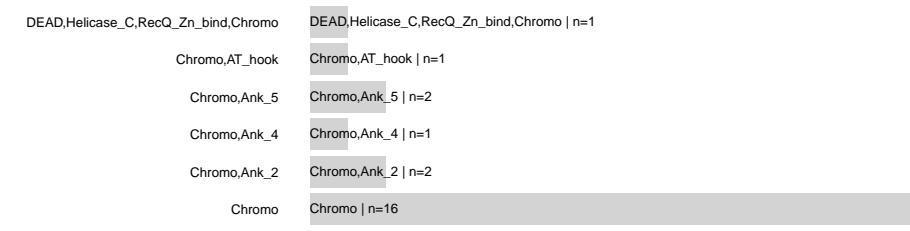
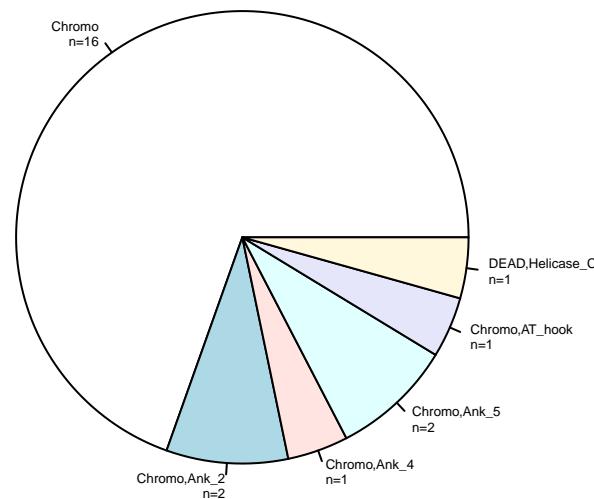


Gain: Vertebrata,Exapal,Mlei,Pisp,Acas,Maljak,Caulen,Haptista,NA

Presence Eukaryota prob = 0.00

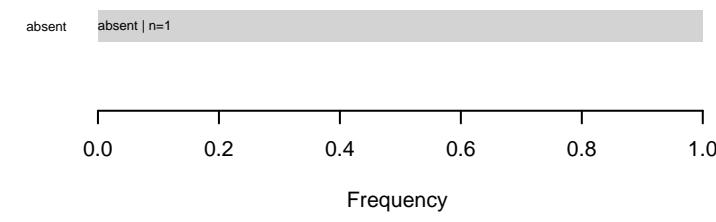
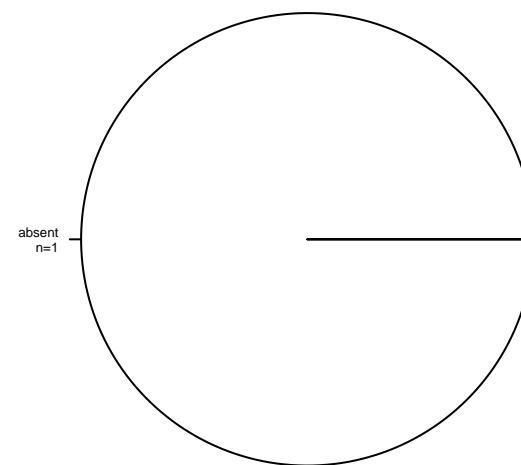
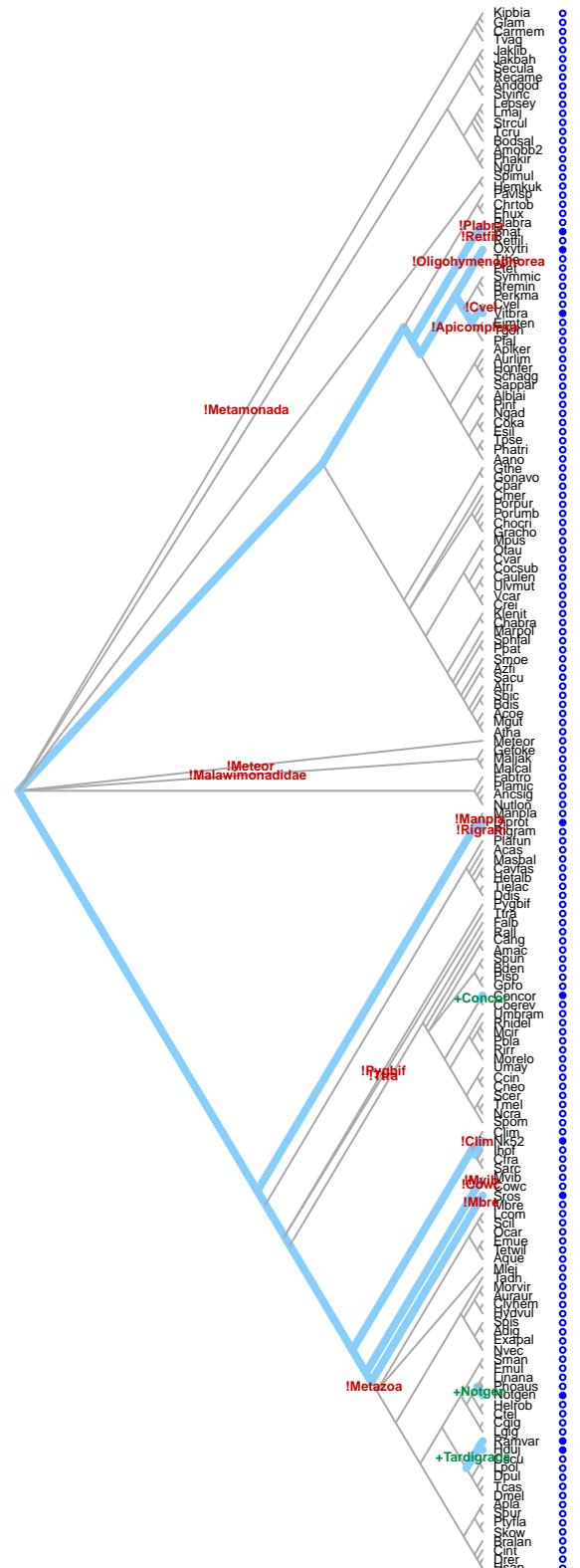
Present: 10

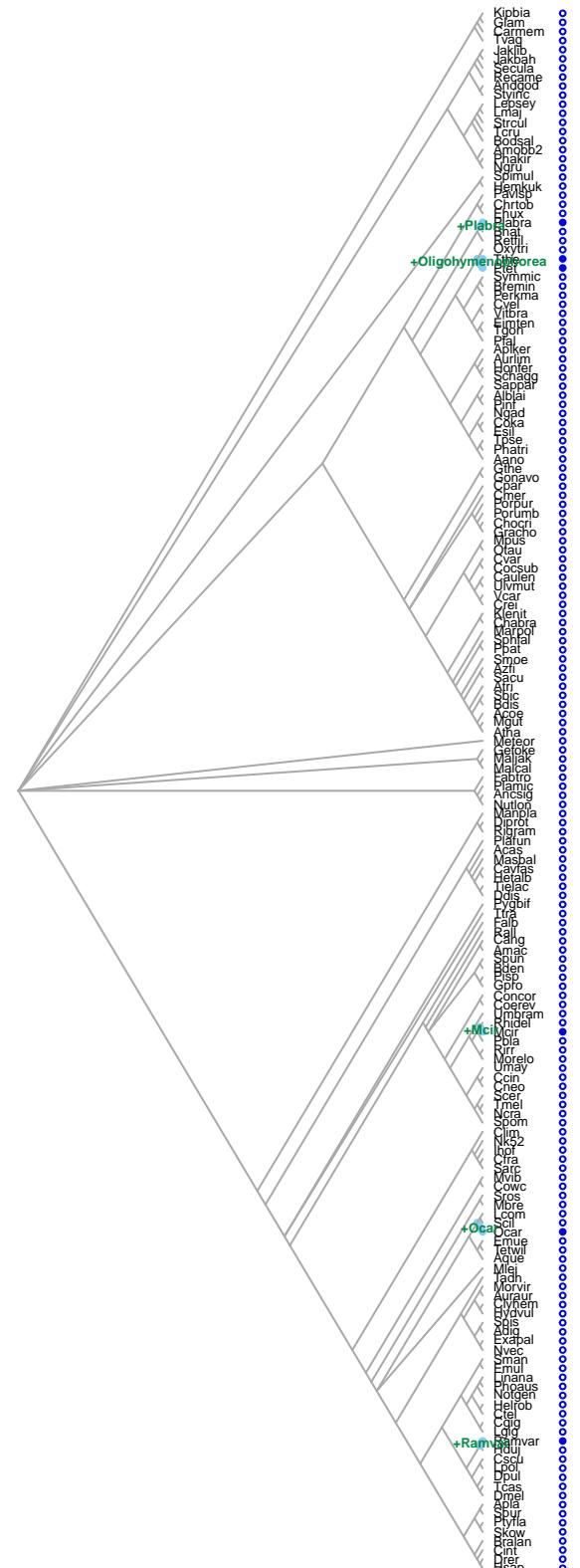
Losses: NA



0 5 10 15

Frequency



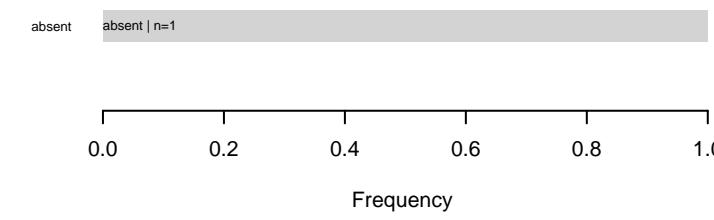
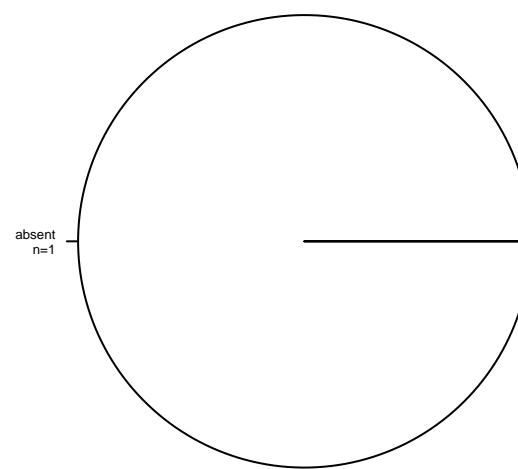


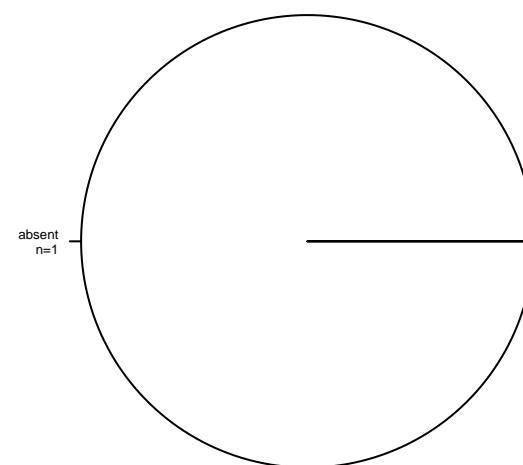
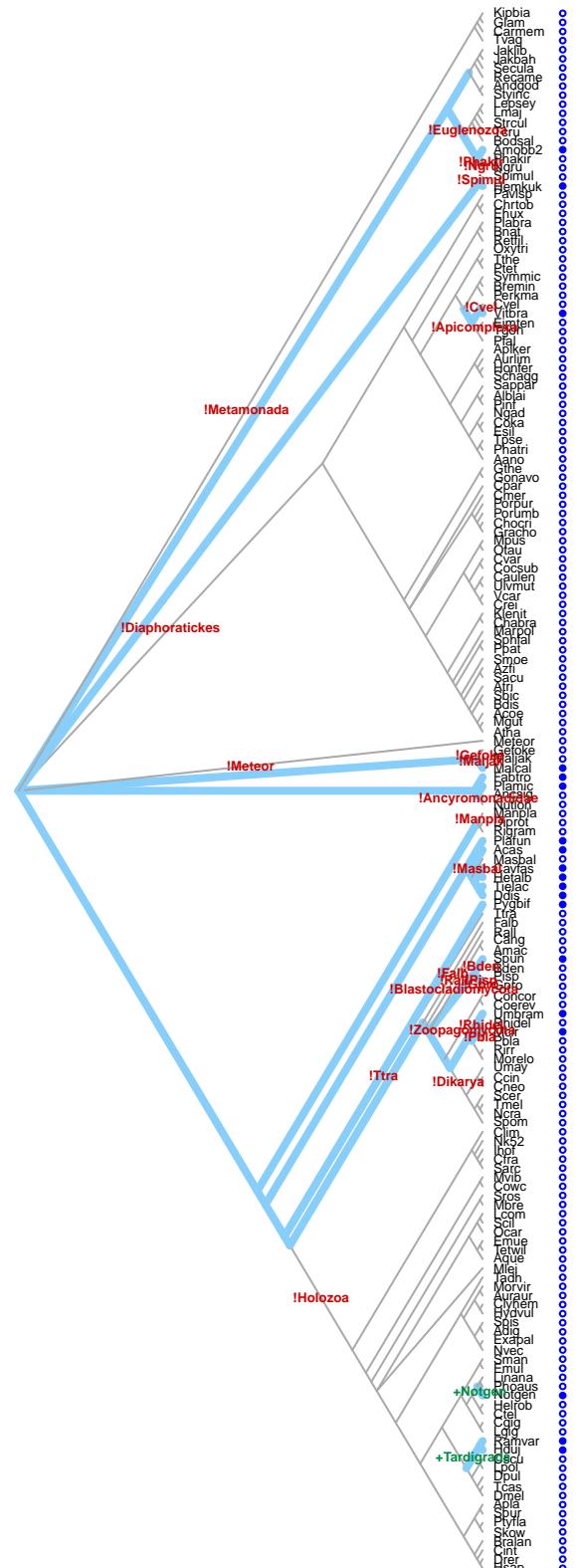
Gain: Ramvar,Ocar,Mcir,Oligohymenophorea,Plabra,NA

Presence Eukaryota prob = 0.00

Present: 6

Losses: NA



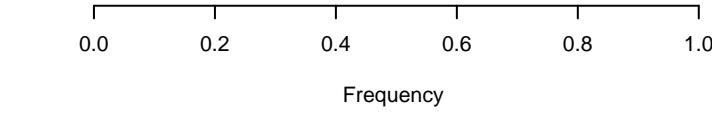


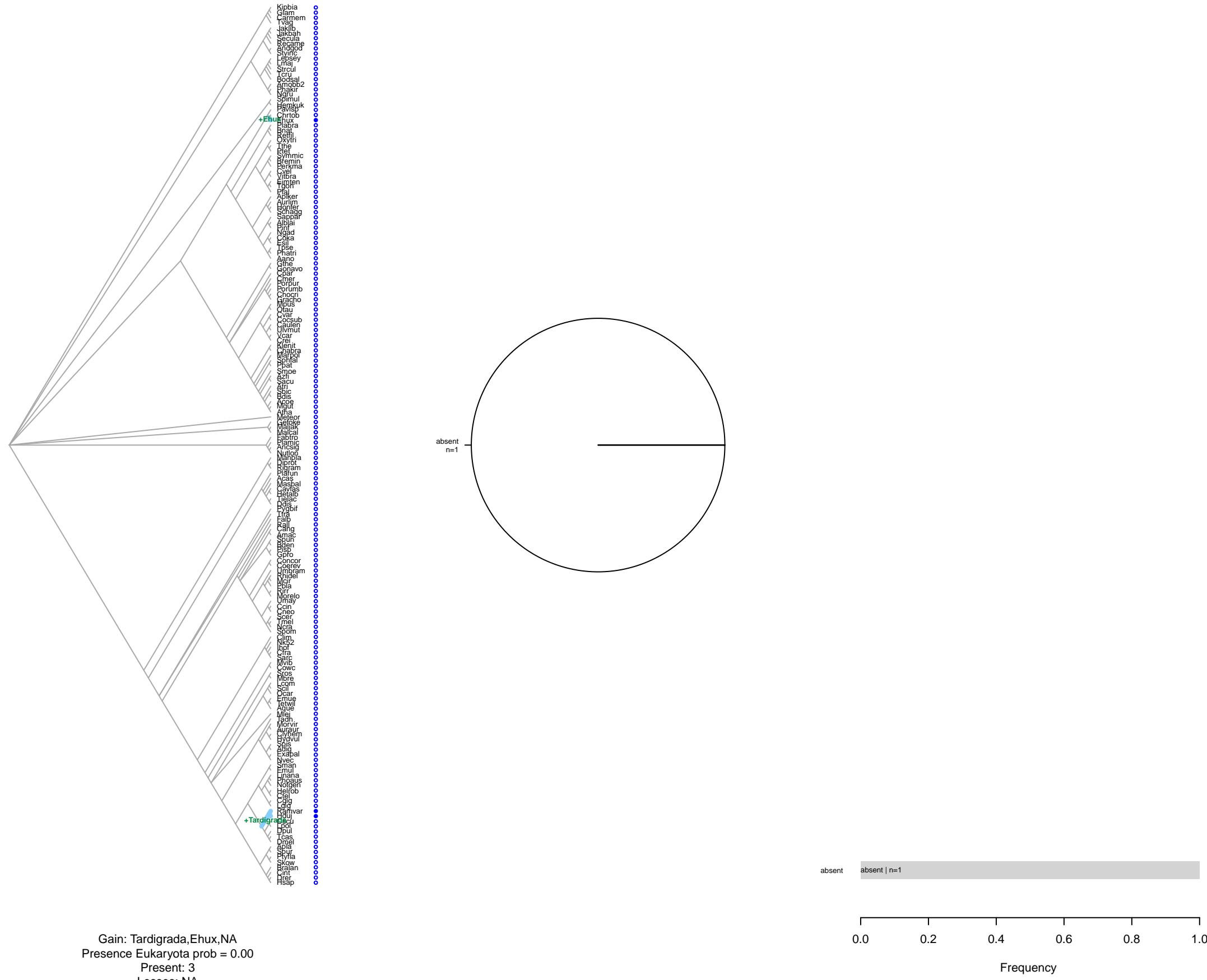
Gain: Tardigrada, Notgen, NA

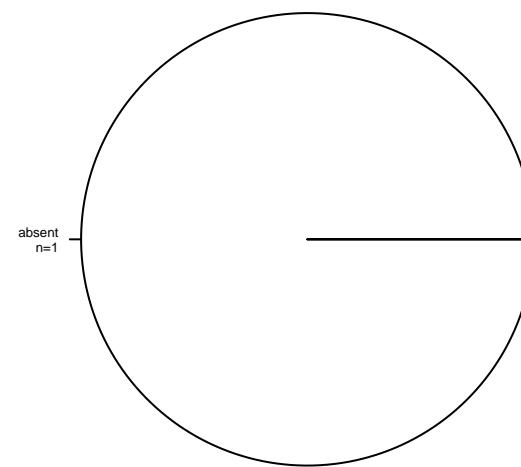
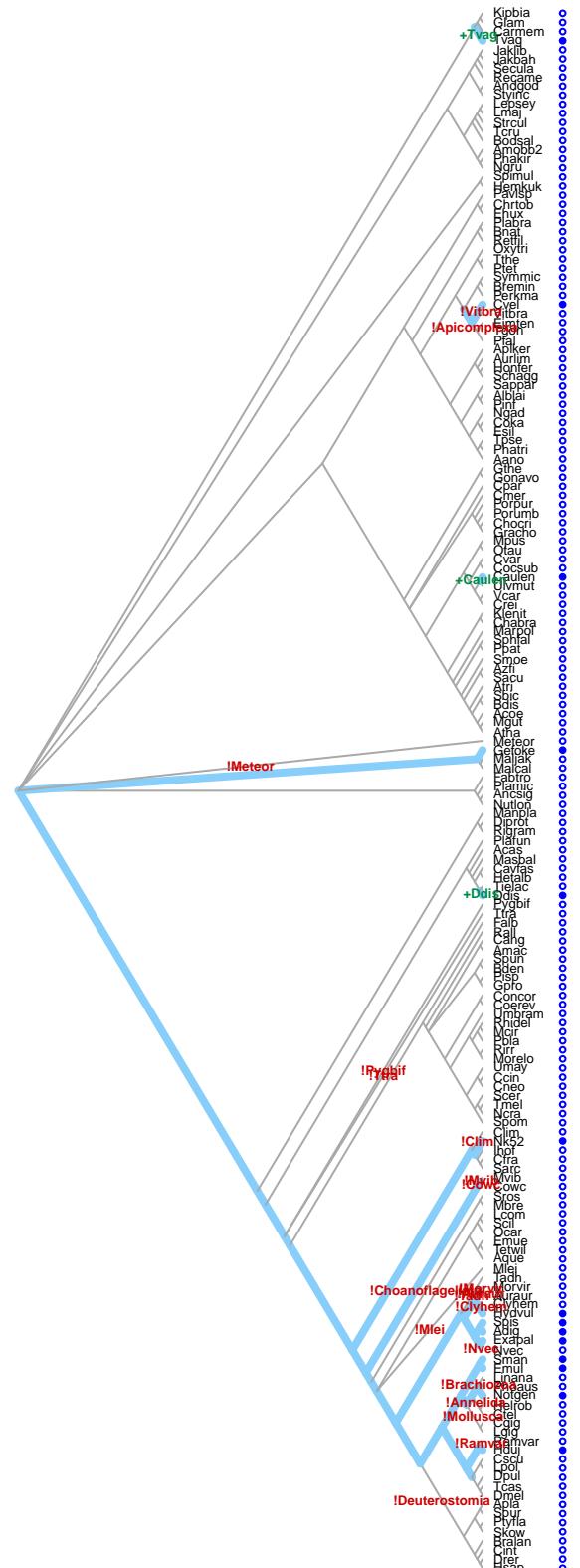
Presence Eukaryota prob = 1.00

Present: 19

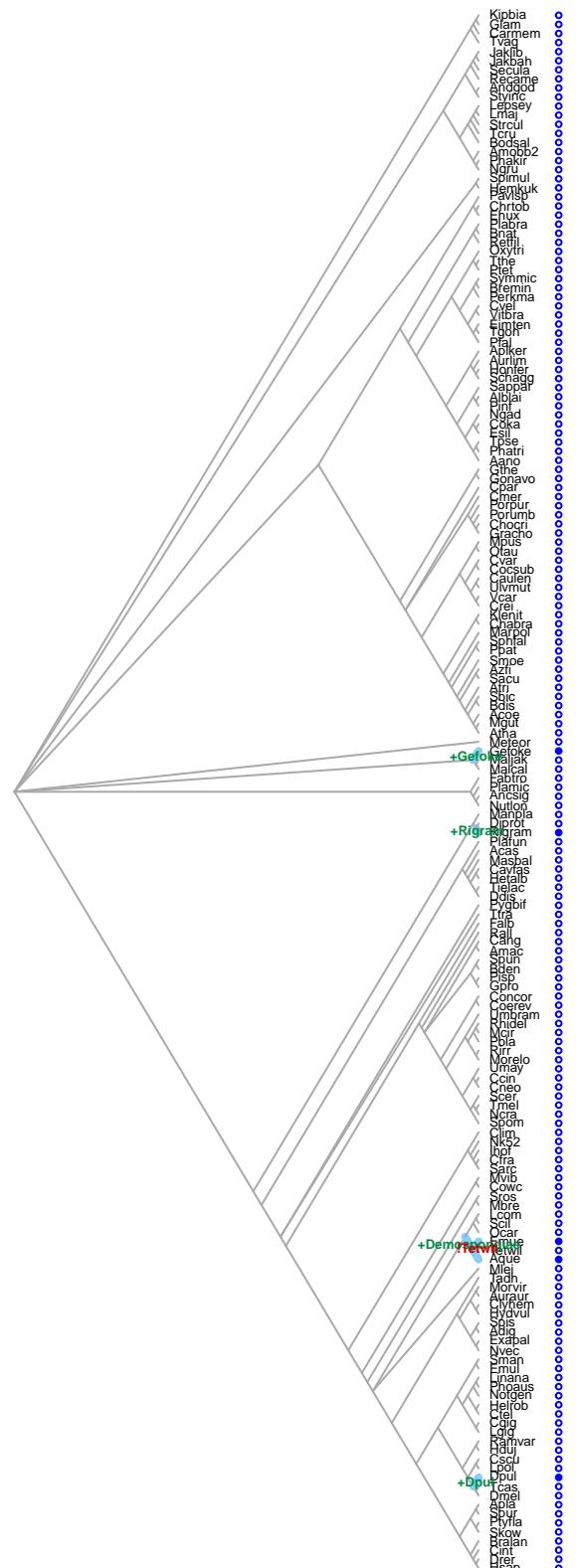
Losses: NA







Gain: Ddis,Caulen,Tvag,NA
Presence Eukaryota prob = 0.58
Present: 14
Losses: NA

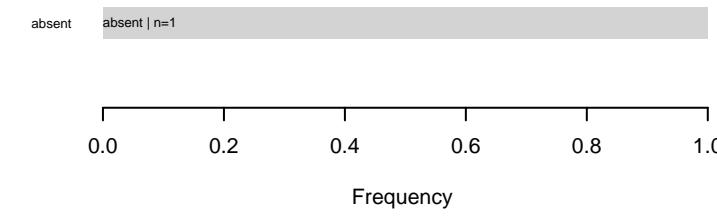
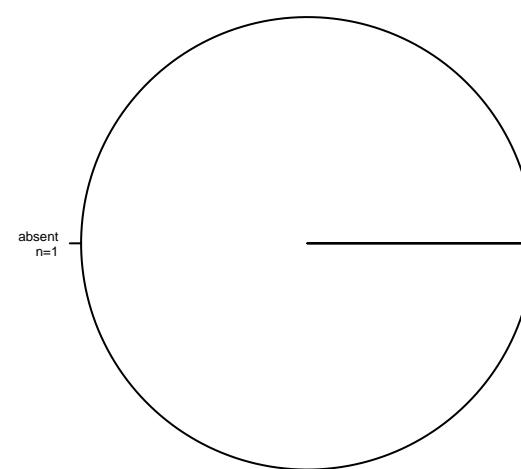


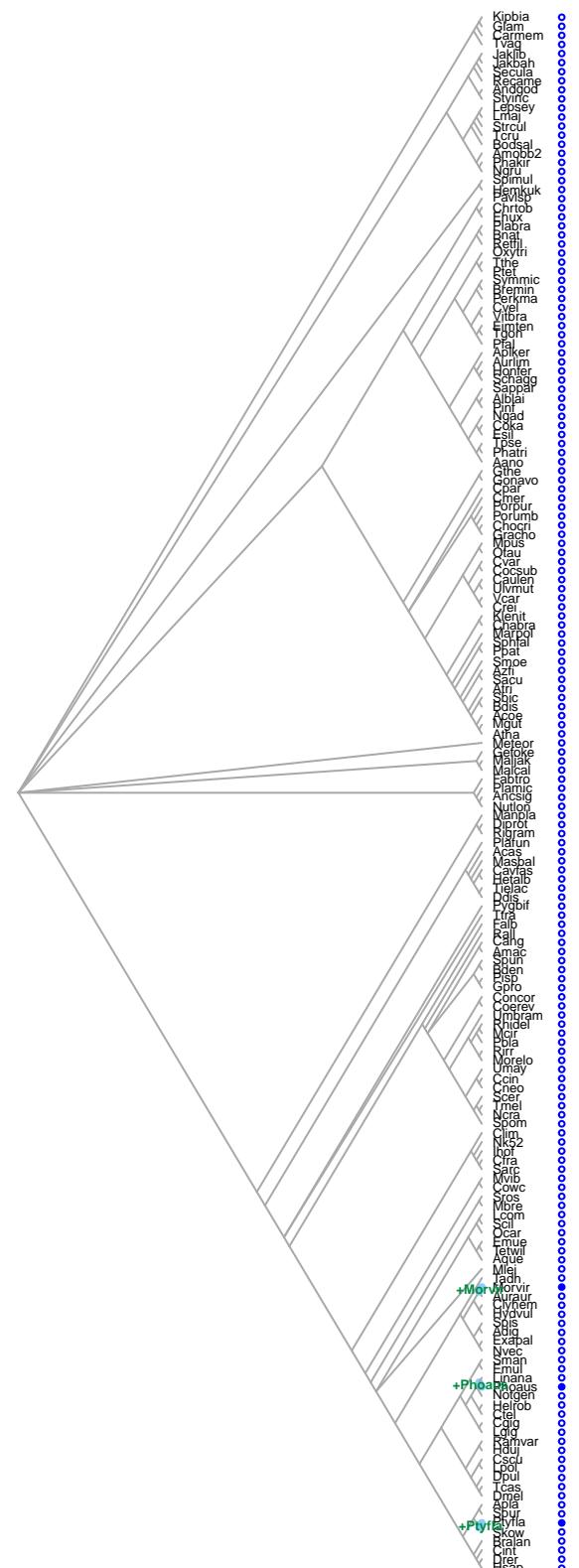
Gain: Dpul,Demospongiae,Rigram,Gefoke,NA

Presence Eukaryota prob = 0.11

Present: 5

Losses: NA



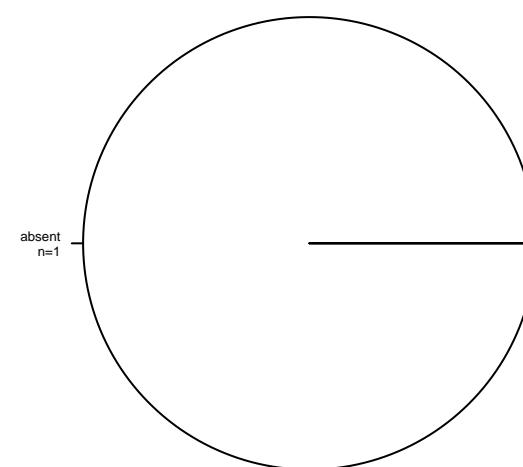


Gain: Ptyfla,Phoaus,Morvir,NA

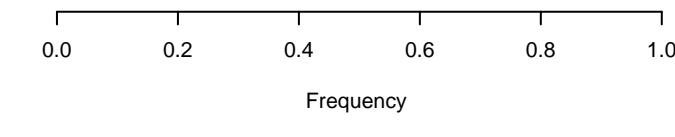
Presence Eukaryota prob = 0.00

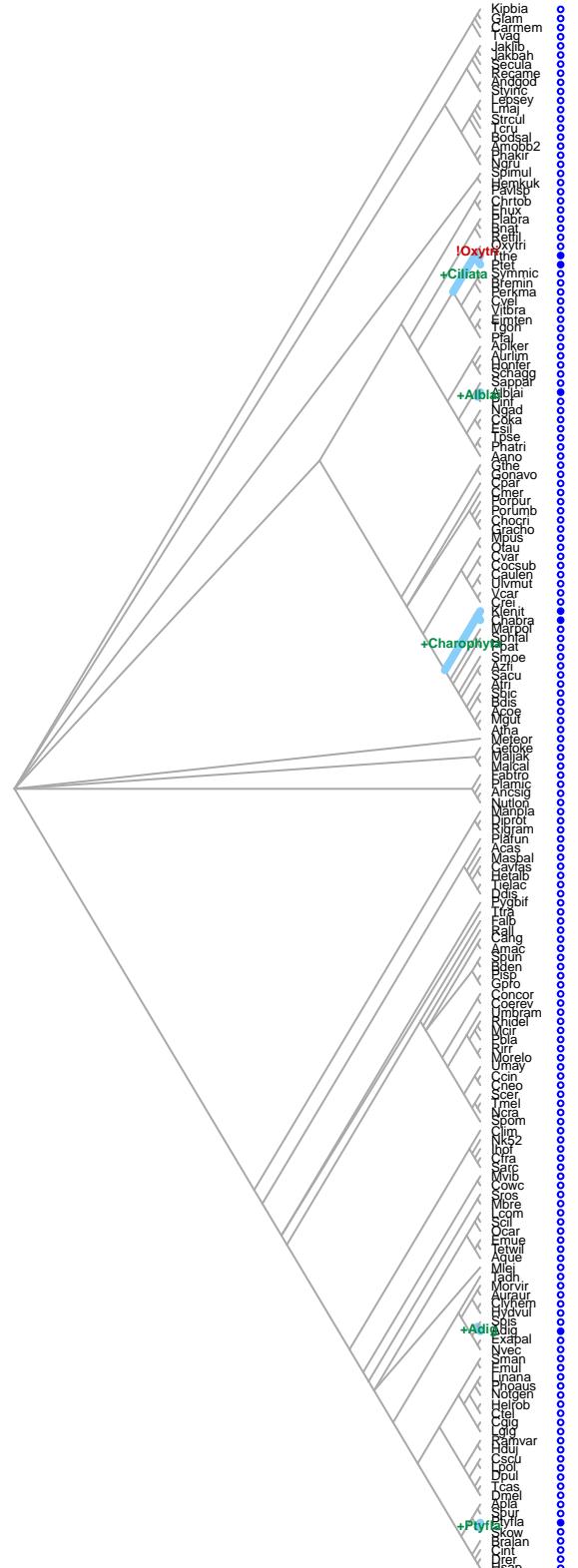
Present: 3

Losses: NA



absent | n=1



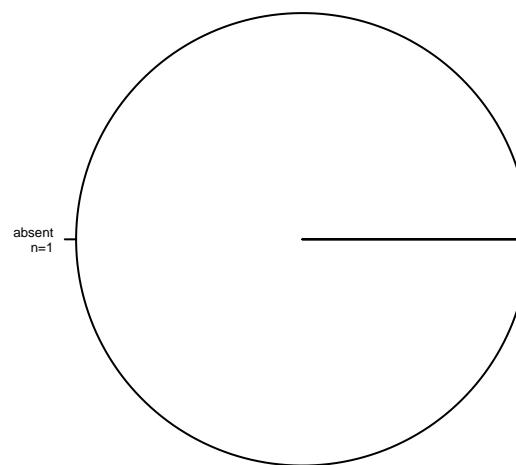


Gain: Ptyfla, Adig, Charophyta, Alblai, Ciliata, NA

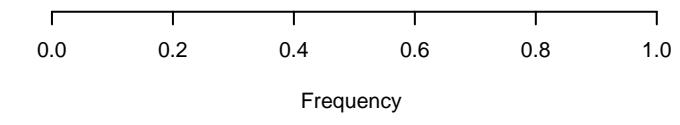
Presence Eukaryota prob = 0.00

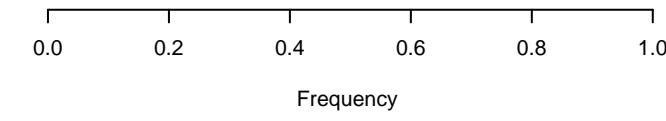
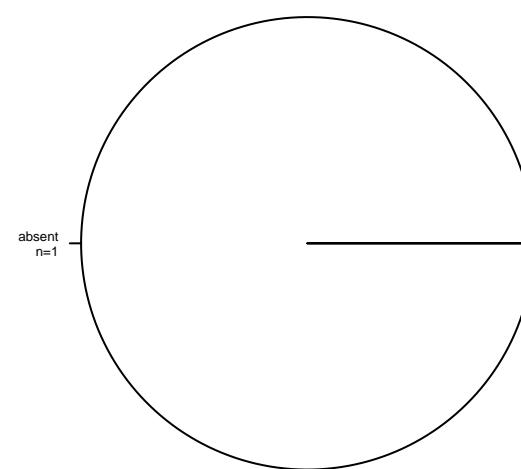
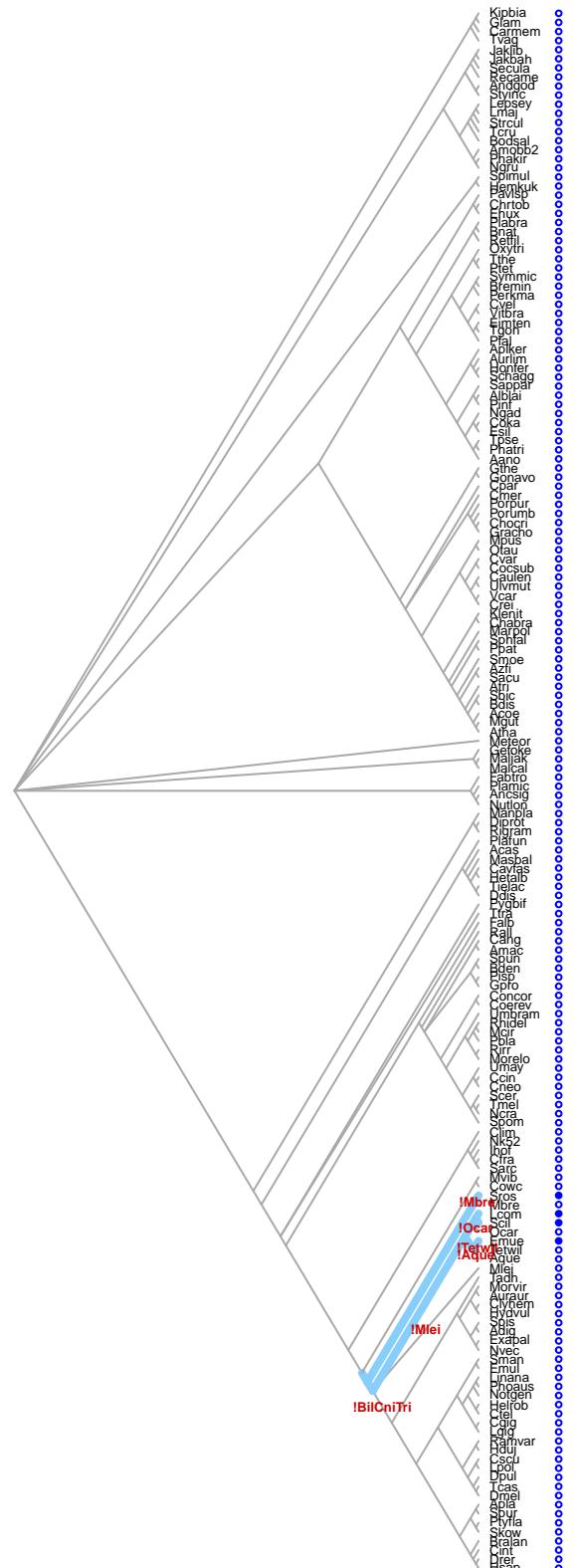
Present: 7

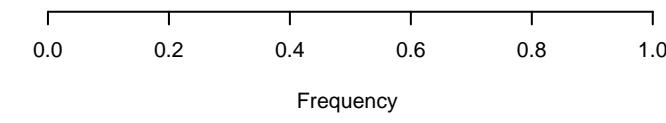
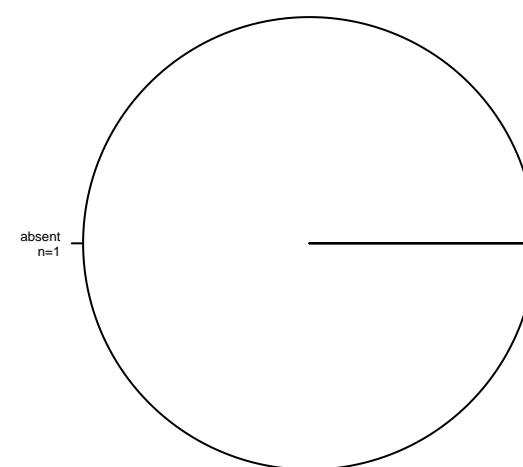
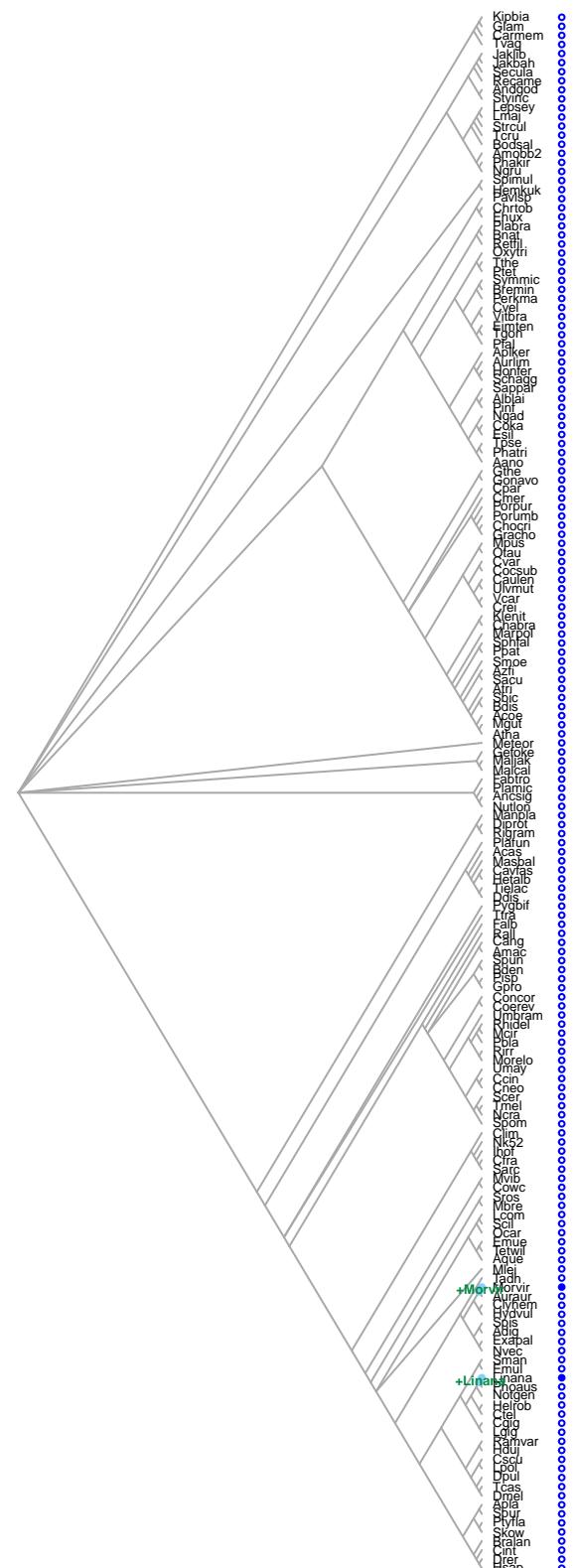
Losses: NA

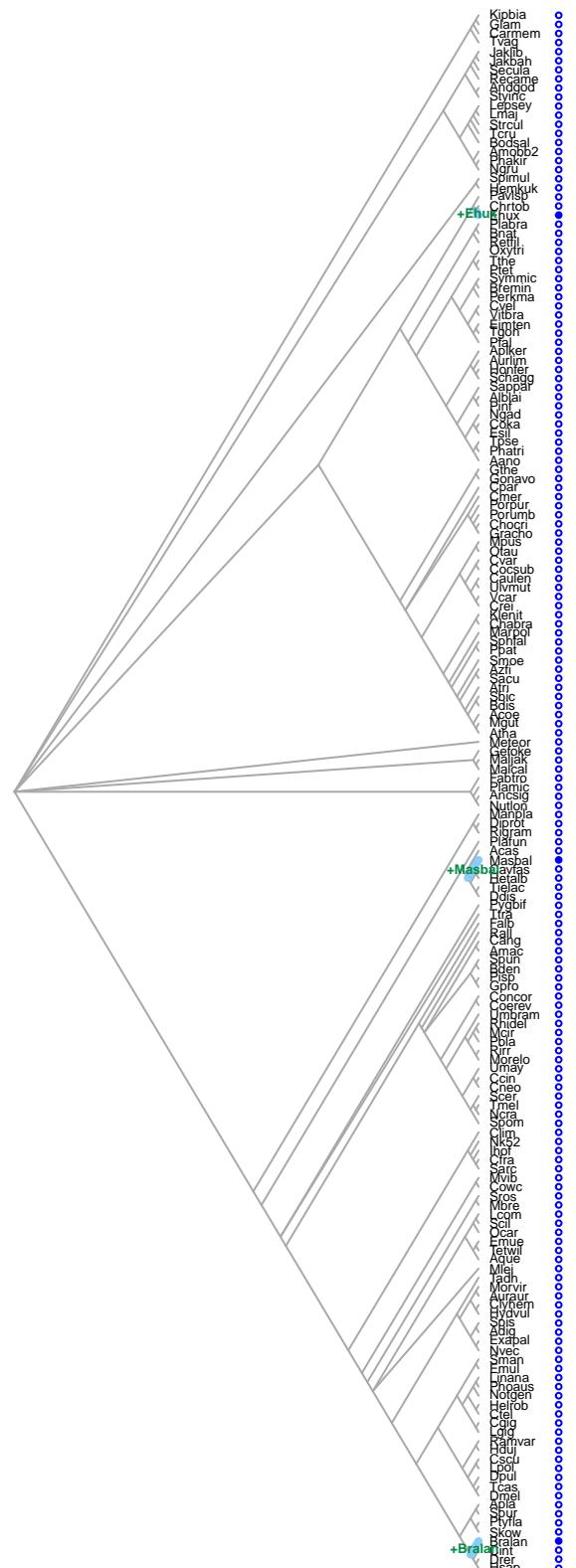


absent | n=1







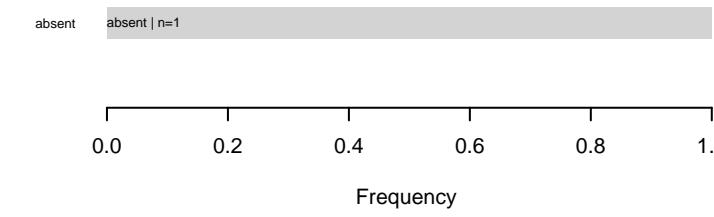
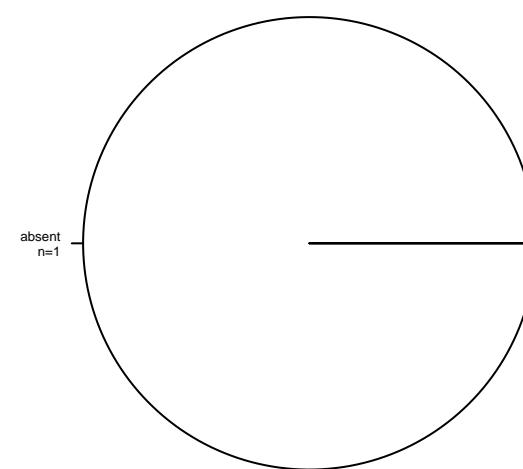


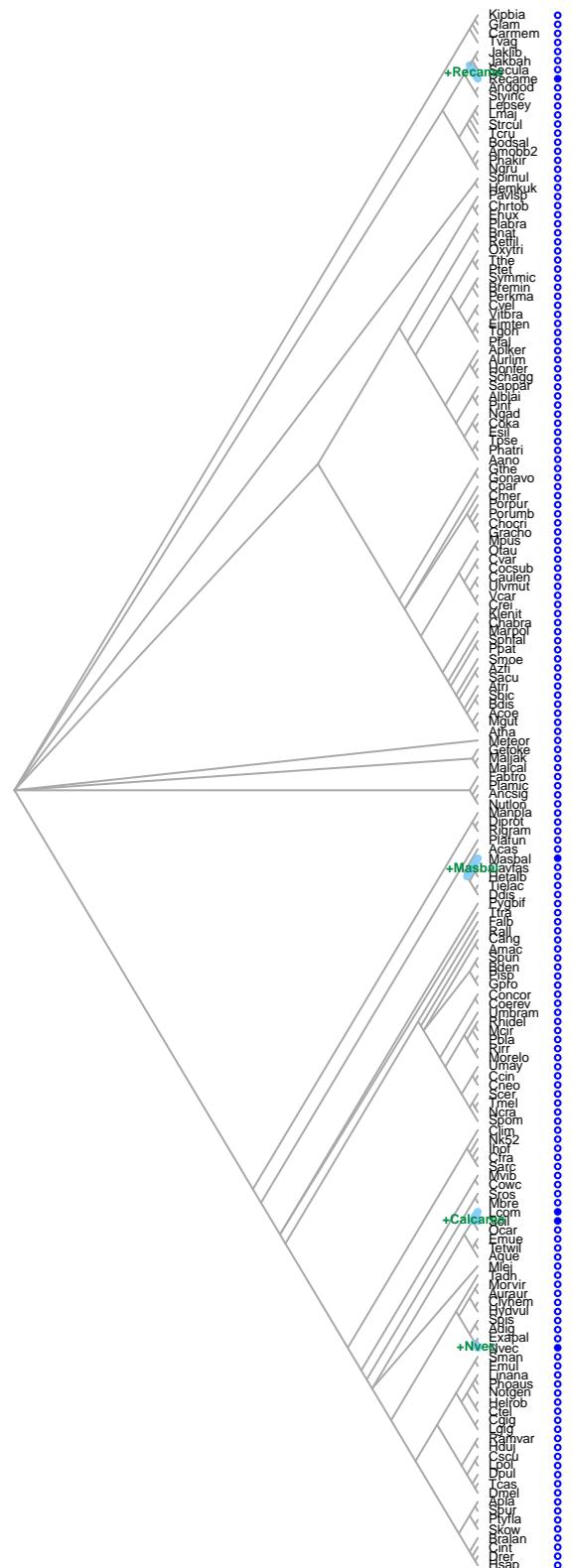
Gain: Bralan,Masbal,Ehux,NA

Presence Eukaryota prob = 0.00

Present: 3

Losses: NA



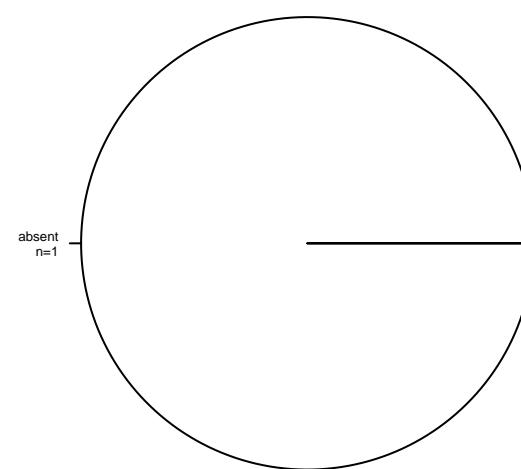


Gain: Nvec,Calcarea,Masbal,Recame,NA

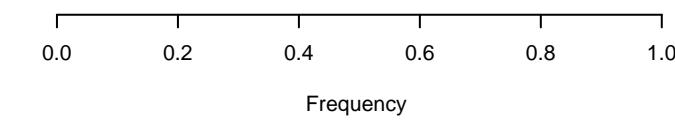
Presence Eukaryota prob = 0.00

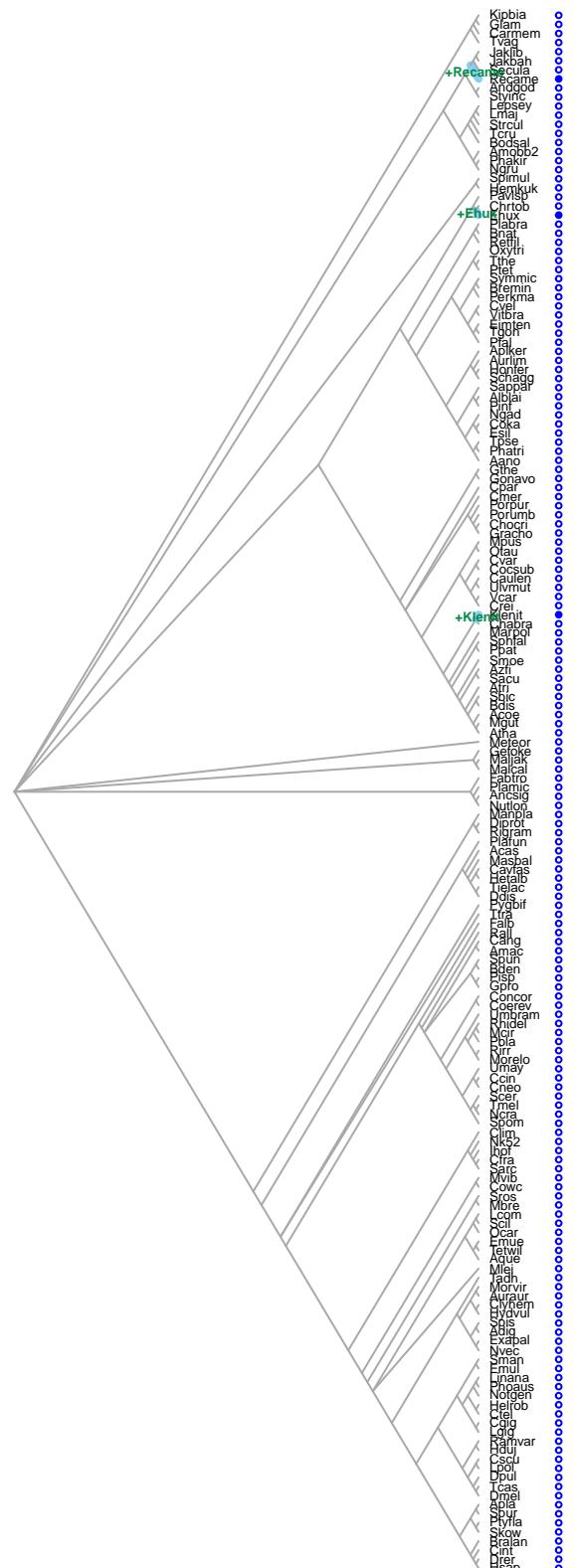
Present: 5

Losses: NA



absent | n=1



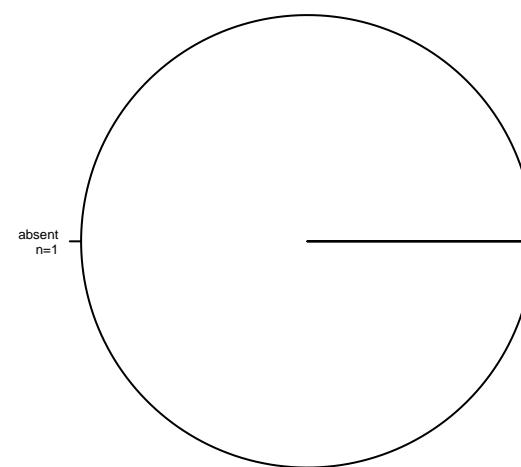


Gain: Klenit,Ehux,Recame,NA

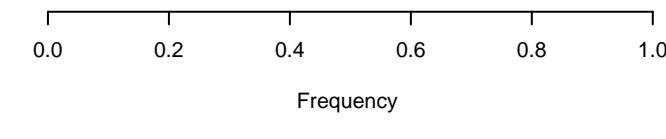
Presence Eukaryota prob = 0.03

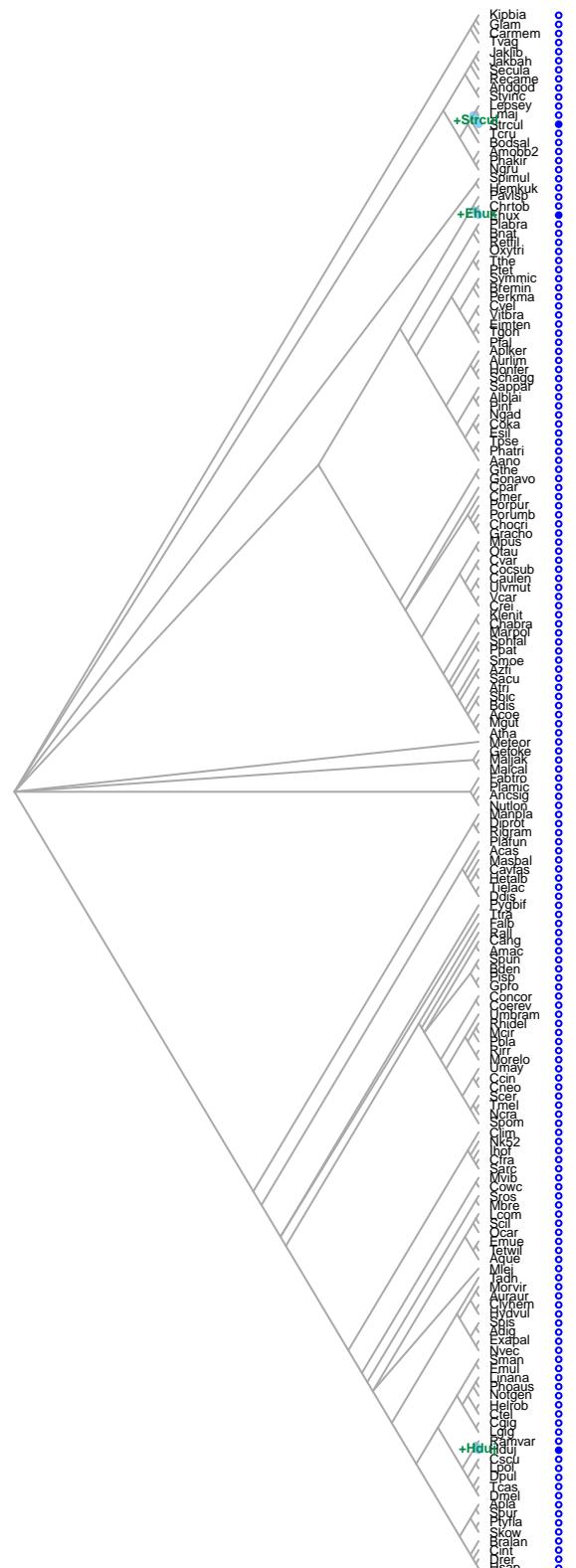
Present: 3

Losses: NA

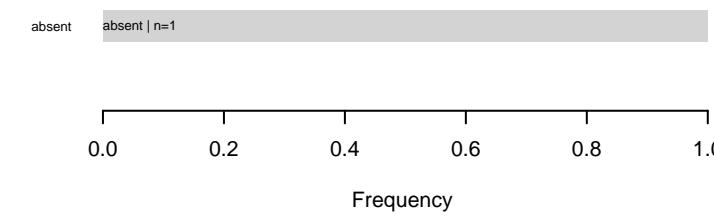
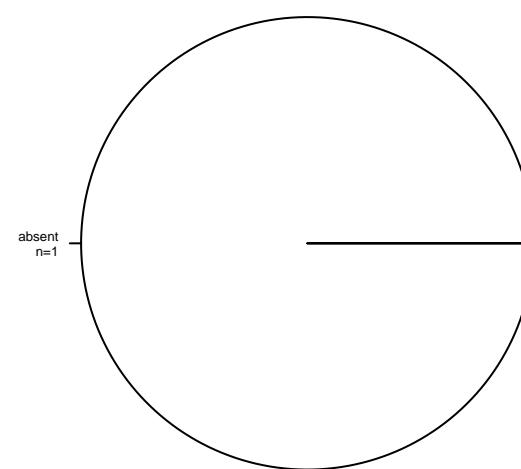


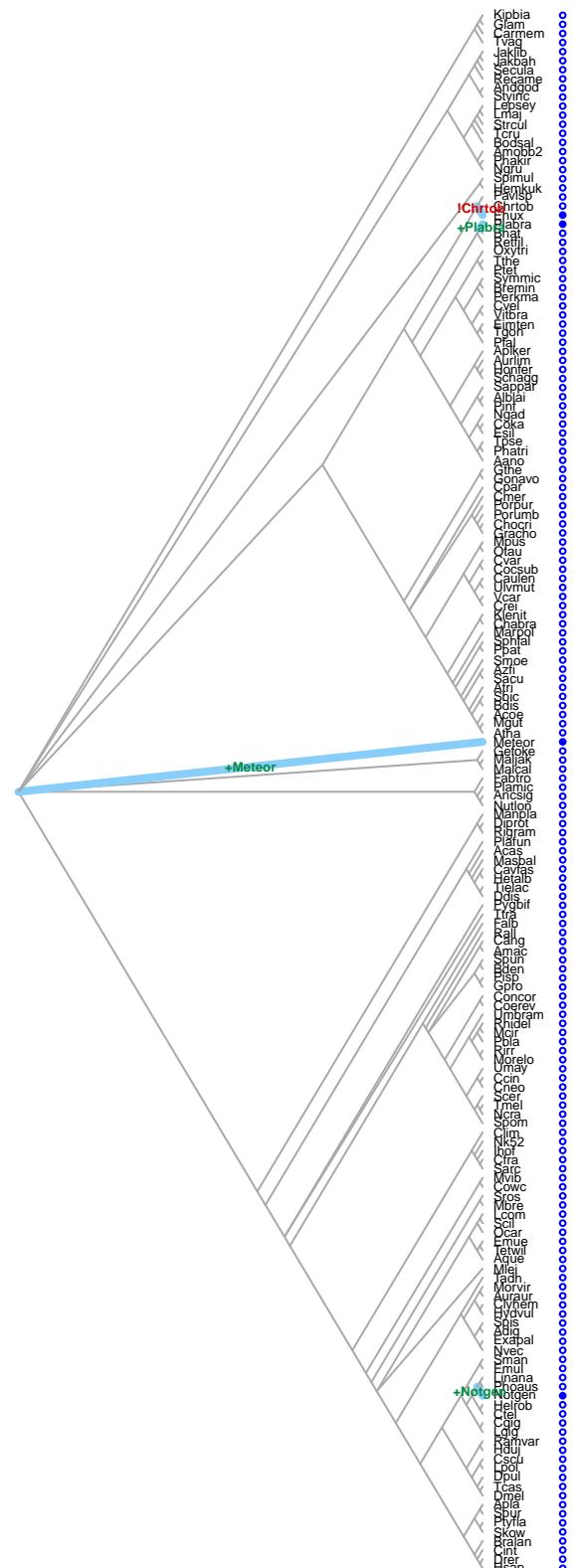
absent absent | n=1





Gain: Hduj, Ehux, Strcul, NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA



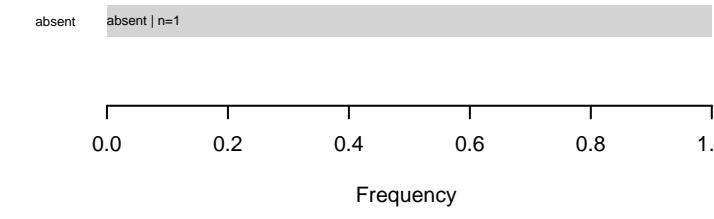
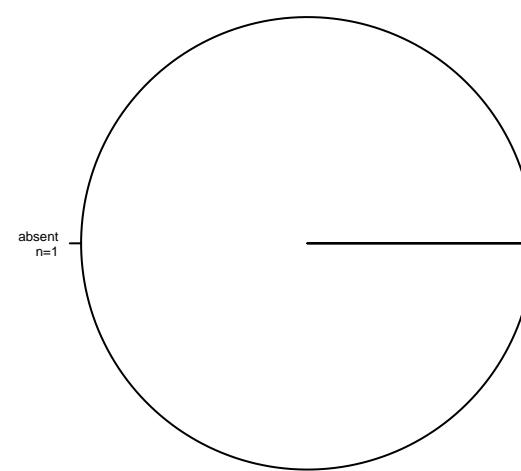


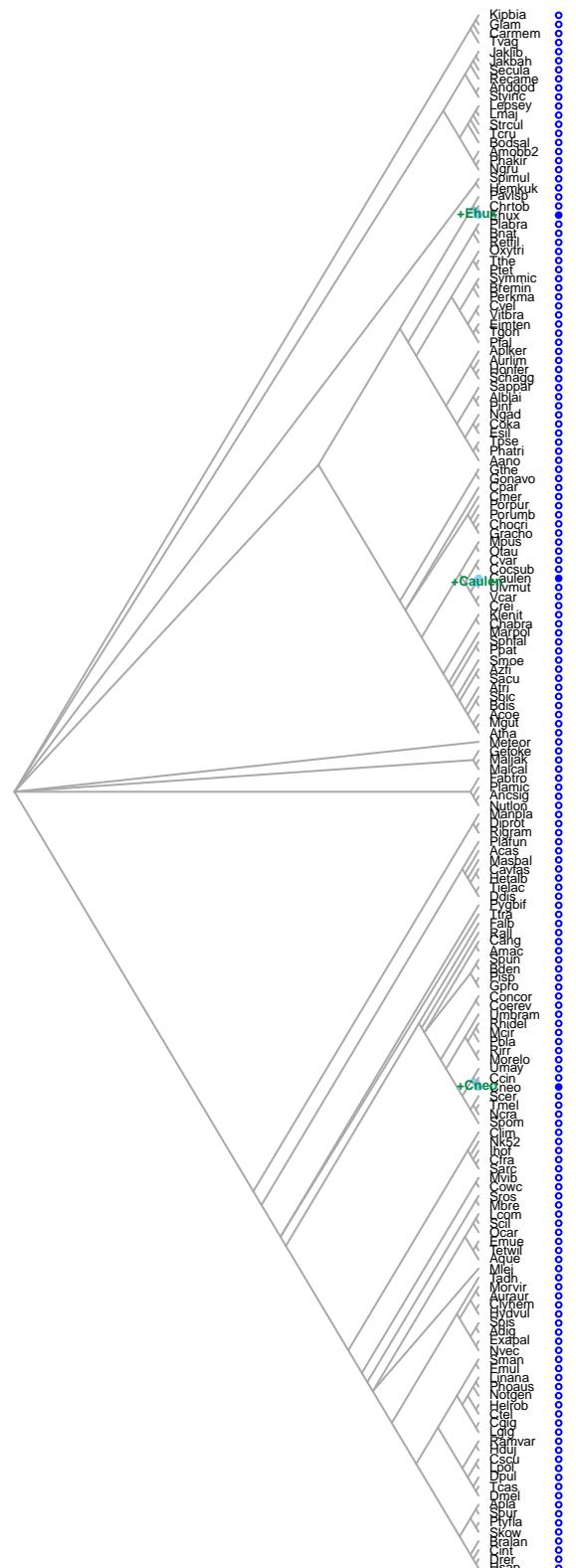
Gain: Notgen,Meteor,Plabra,NA

Presence Eukaryota prob = 0.06

Present: 4

Losses: NA



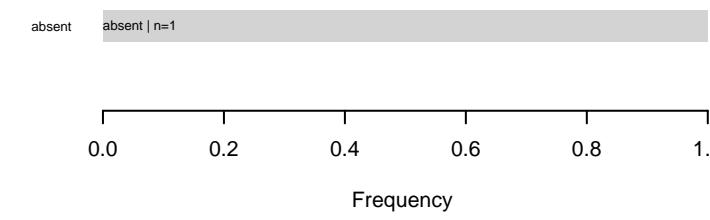
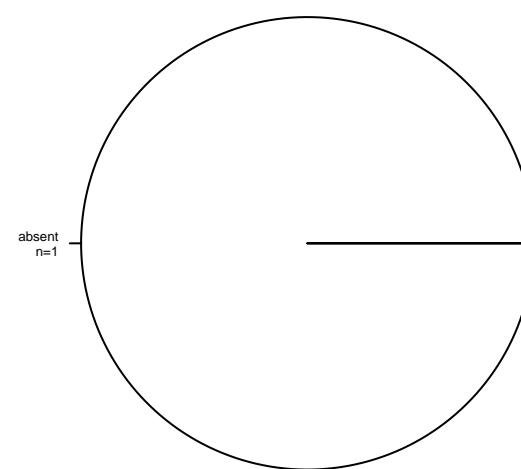


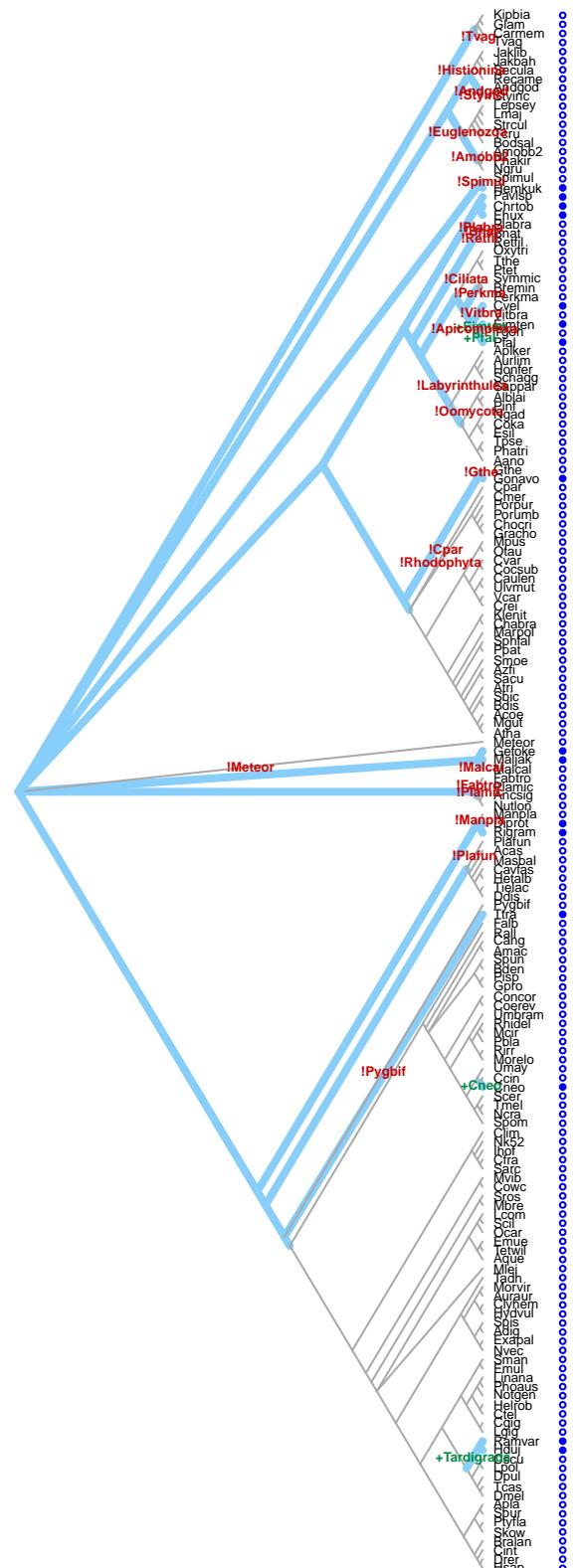
Gain: Cneo,Caulen,Ehux,NA

Presence Eukaryota prob = 0.00

Present: 3

Losses: NA



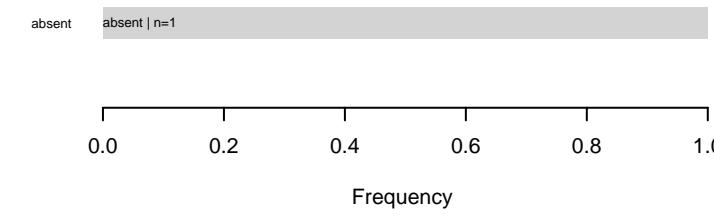
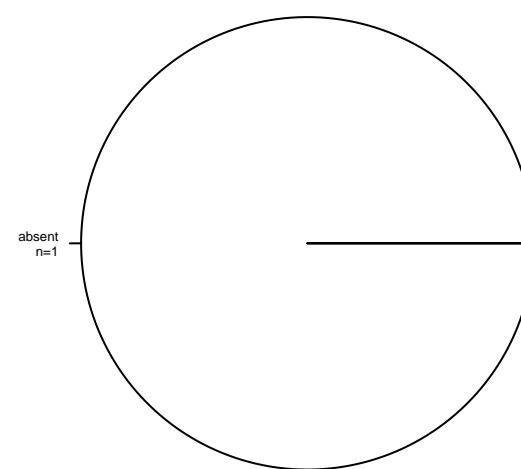


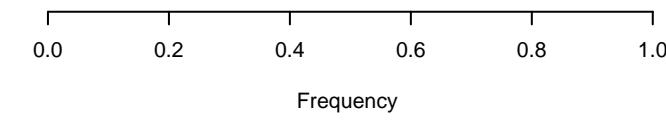
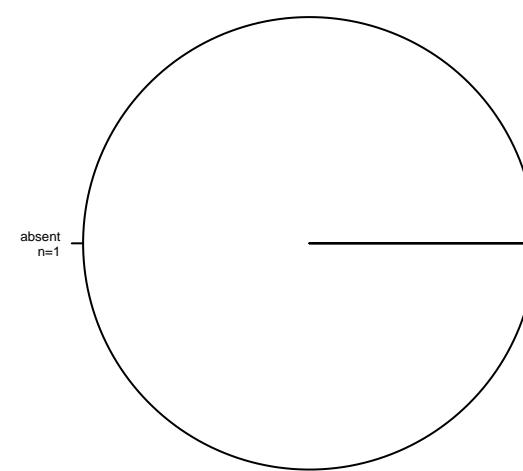
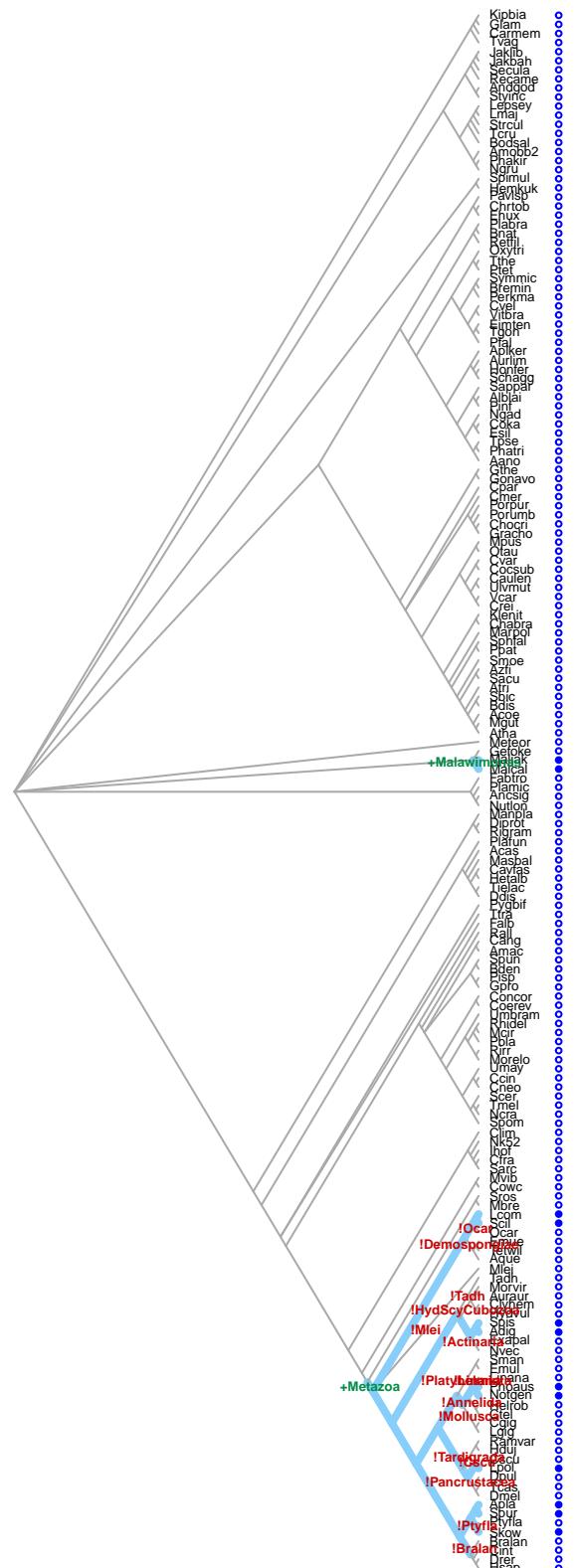
Gain: Tardigrada,Cneo,Pfal,Eimten,NA

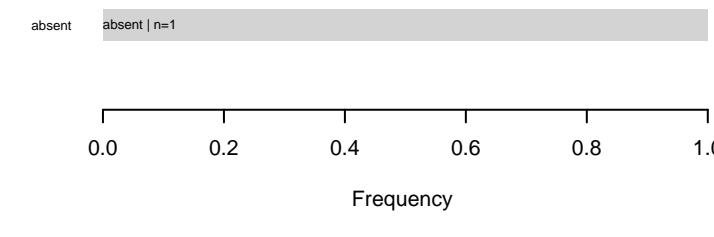
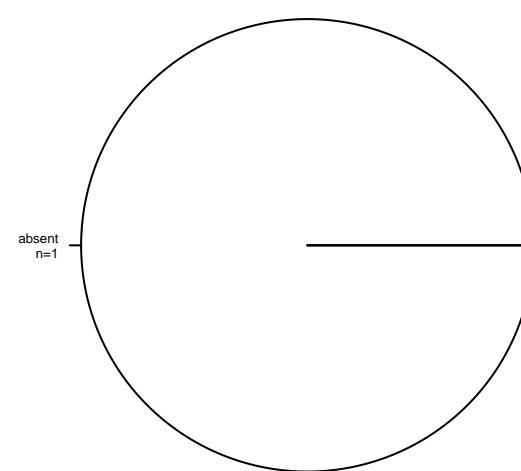
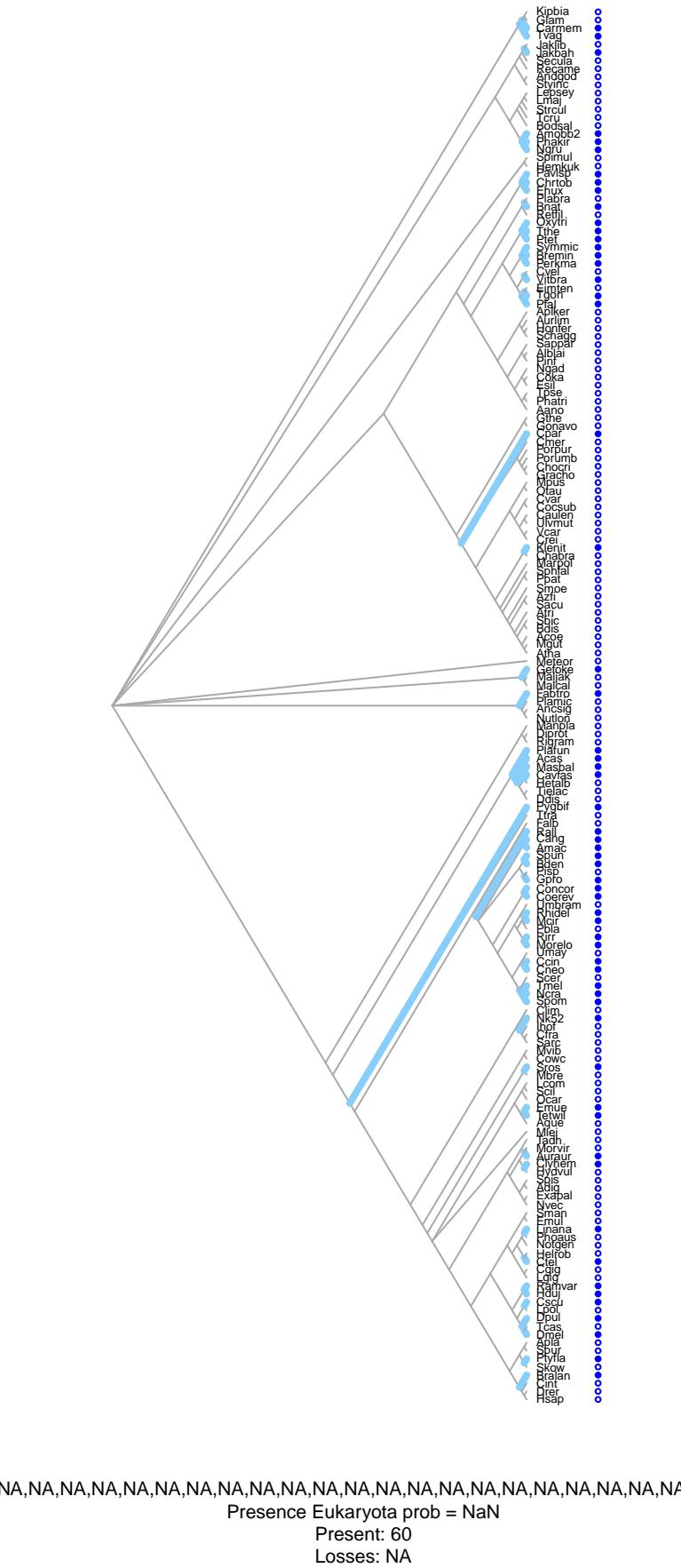
Presence Eukaryota prob = 1.00

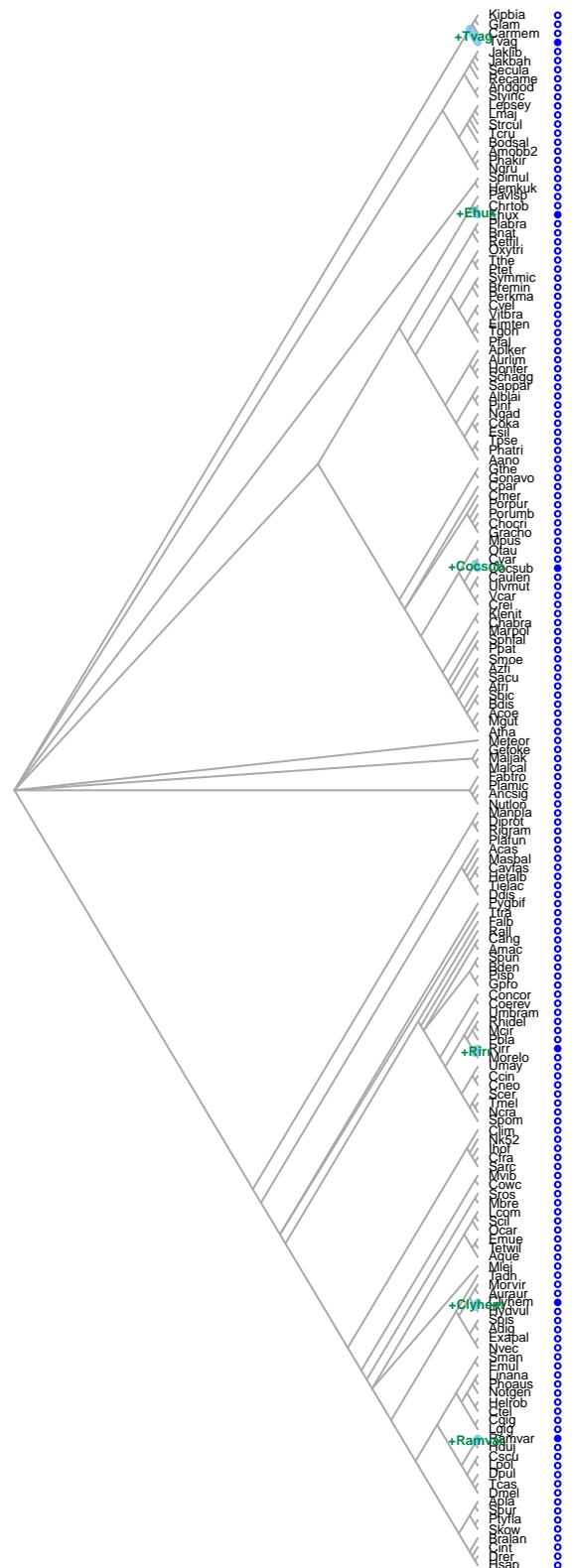
Present: 16

Losses: NA







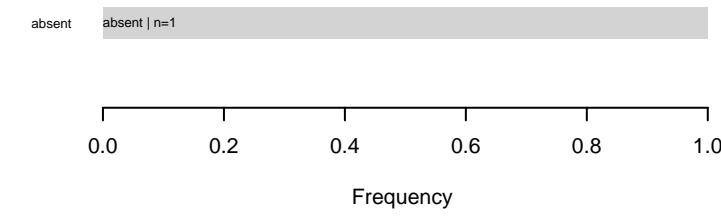
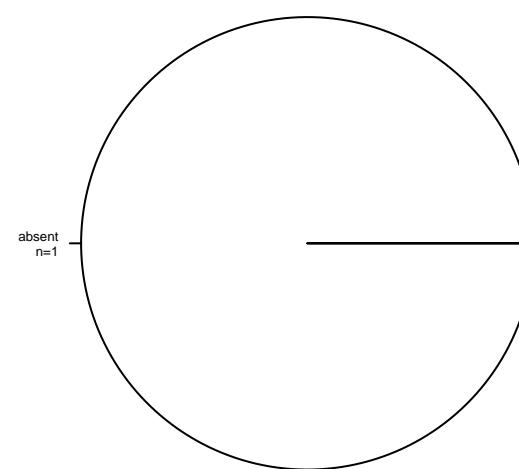


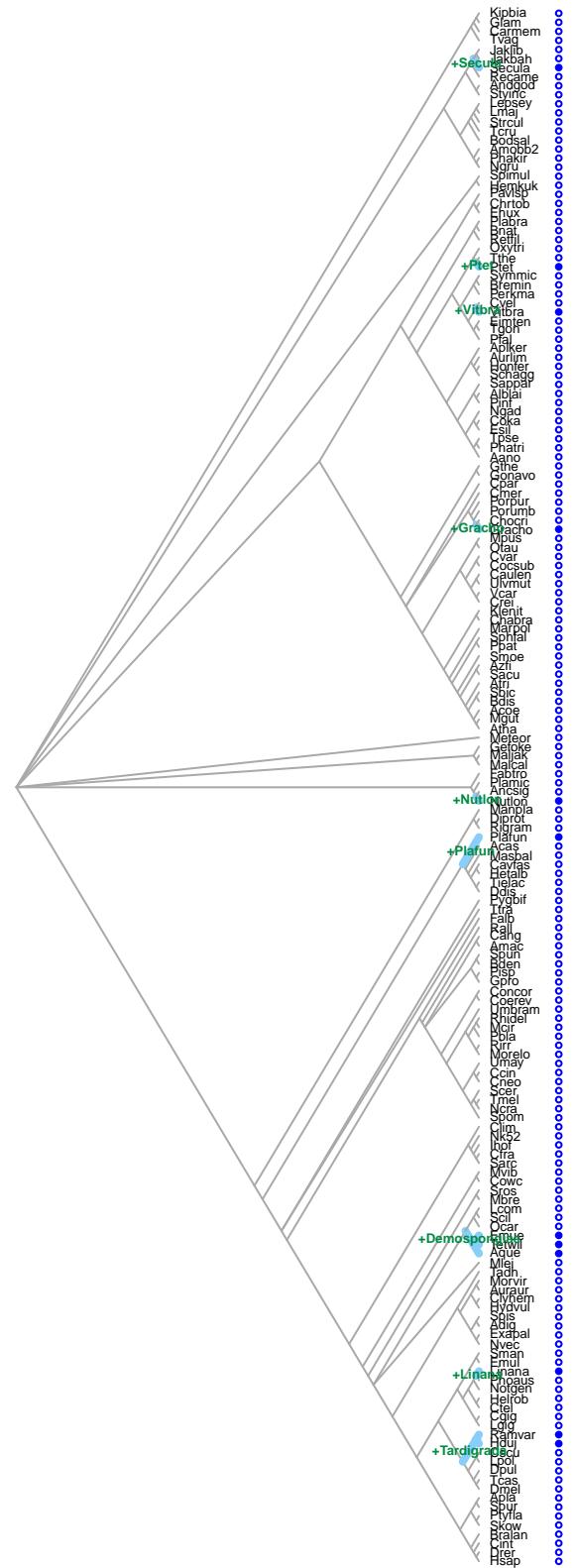
Gain: Ramvar,Clyhem,Rirr,Cocsub,Ehux,Tvac,NA

Presence Eukaryota prob = 0.00

Present: 6

Losses: NA



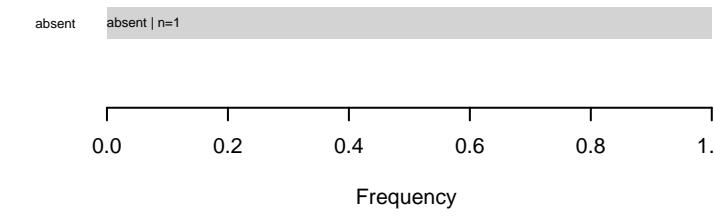
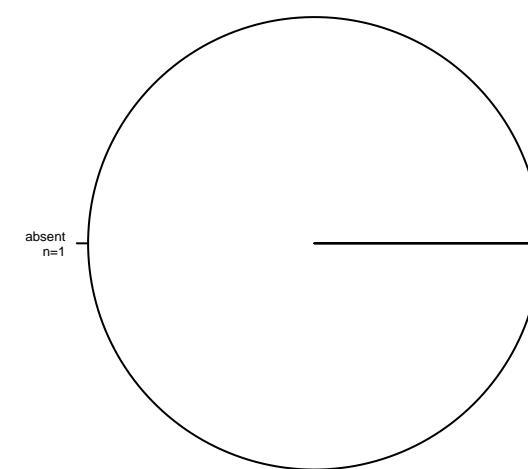


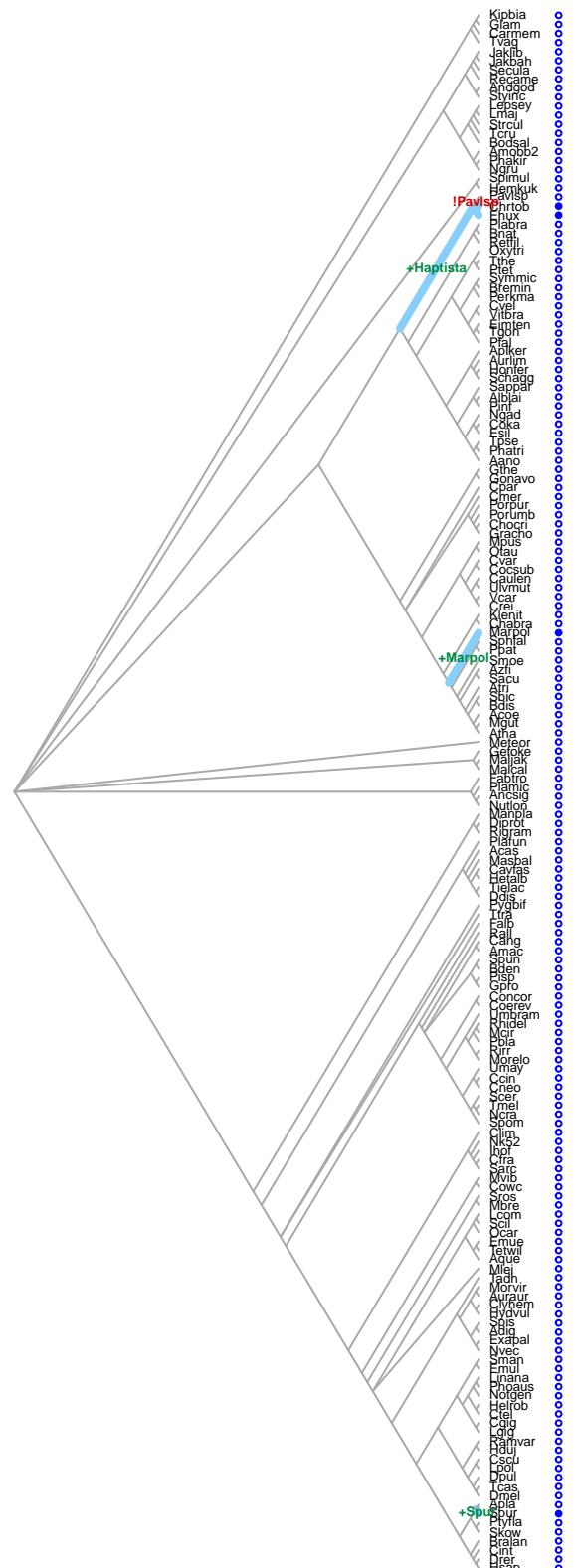
Gain: Tardigrada,Linana,Demospongiae,Plafun,Nutlion,Gracho,Vitbra,Ptet,Secula

Presence Eukaryota prob = 0.06

Present: 12

Losses: NA



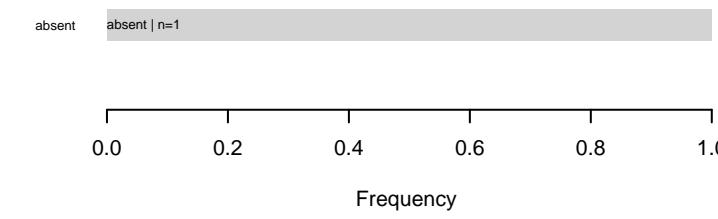
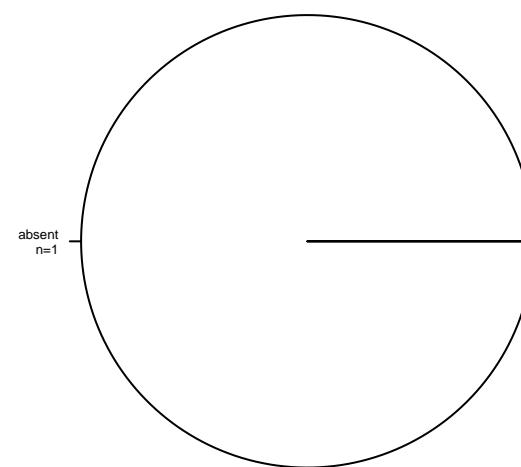


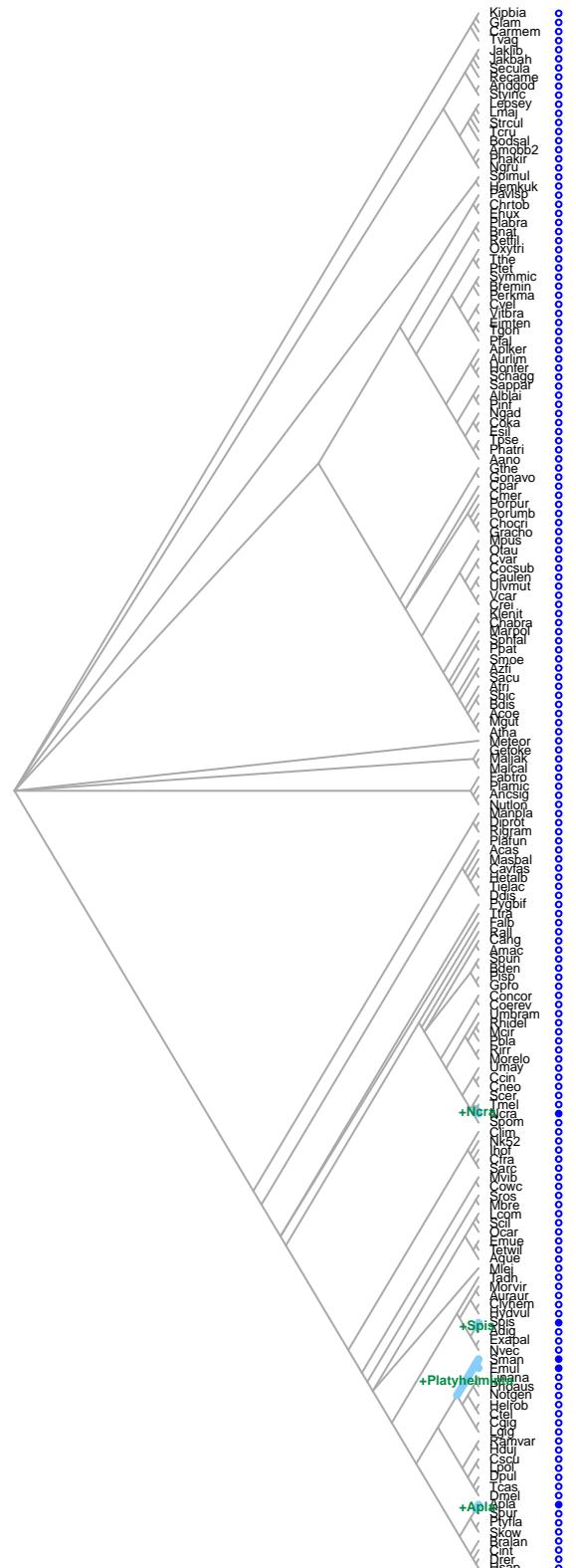
Gain: Spur,Marpol,Haptista,NA

Presence Eukaryota prob = 0.00

Present: 4

Losses: NA



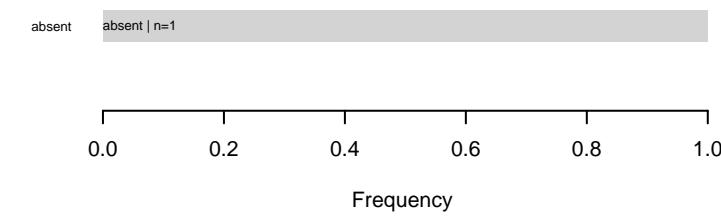
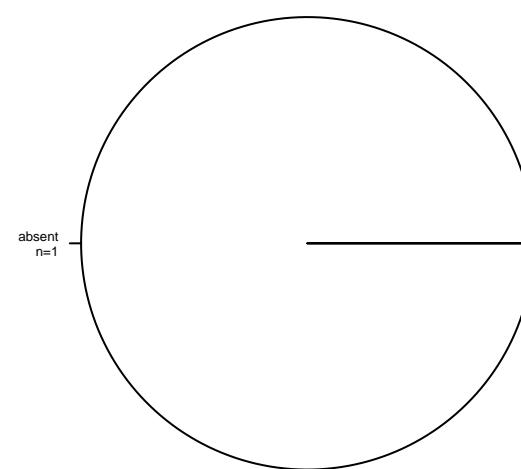


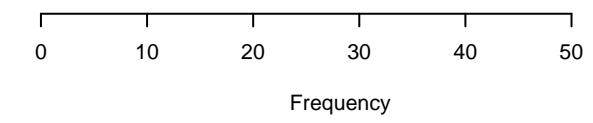
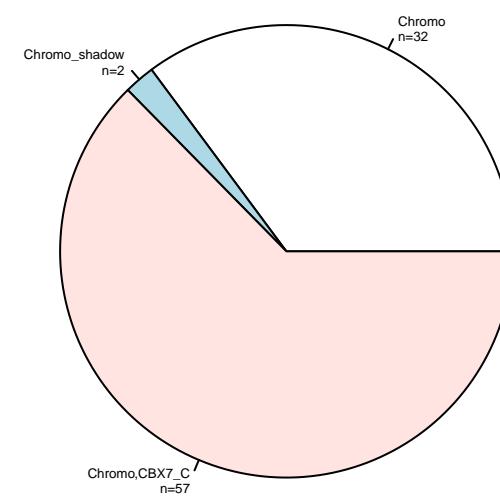
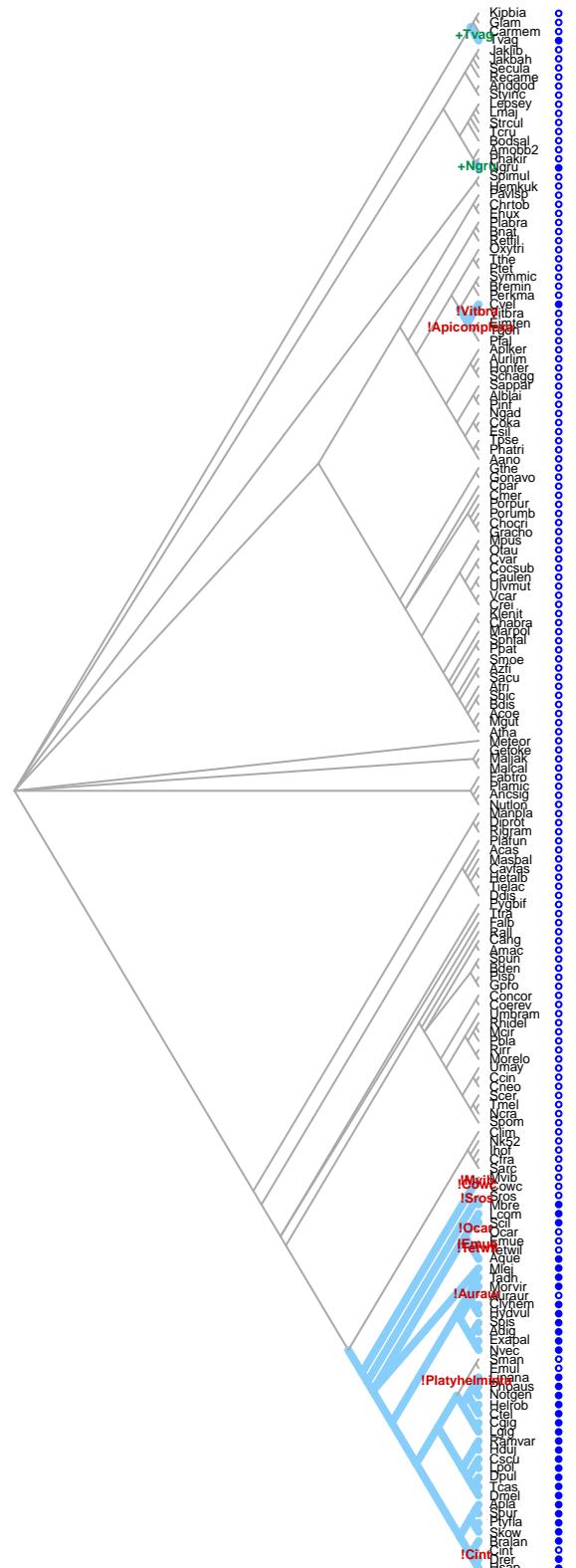
Gain: Apla, Platyhelminta, Spis, Ncra, NA

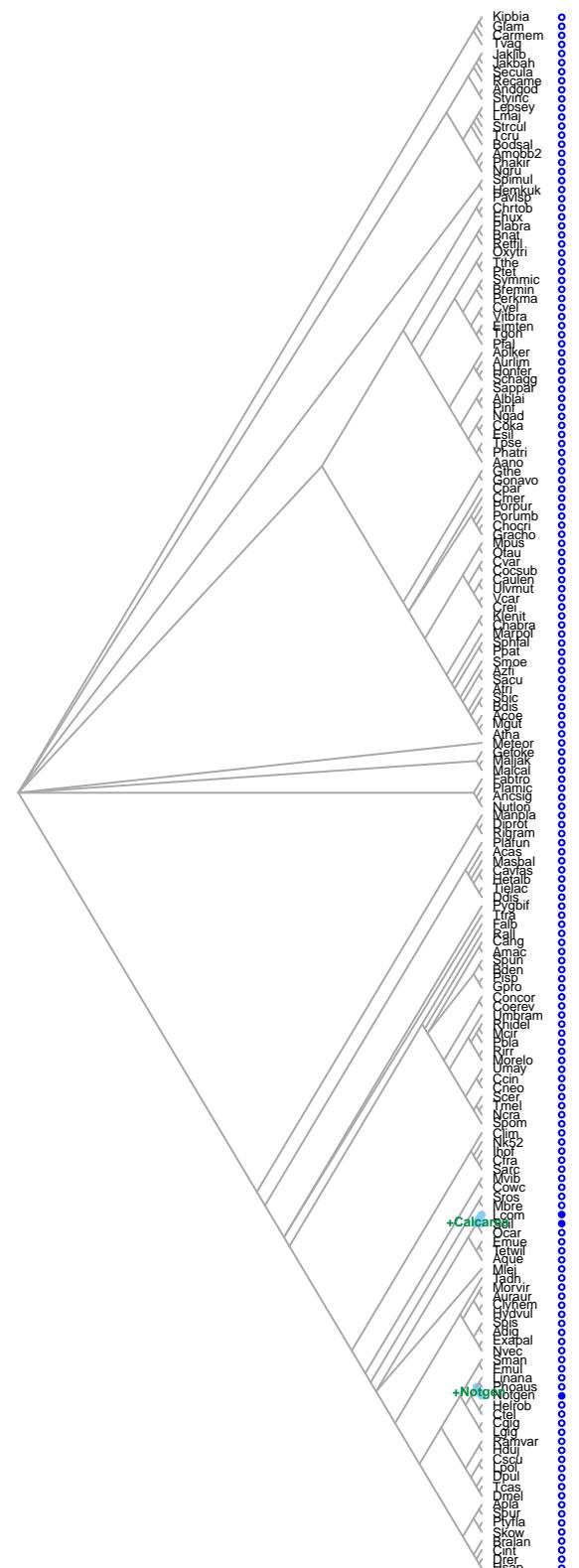
Presence Eukaryota prob = 0.00

Present: 5

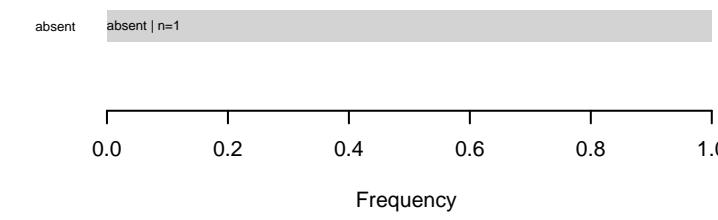
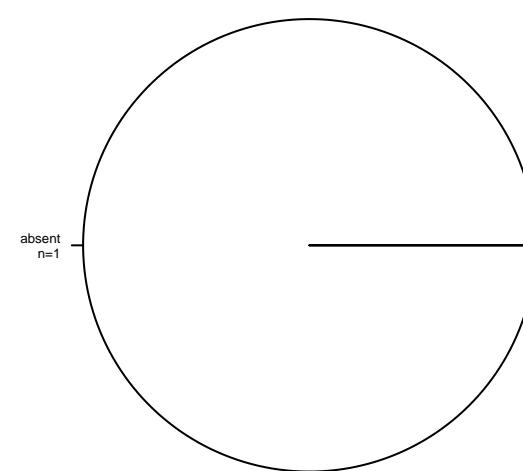
Losses: NA

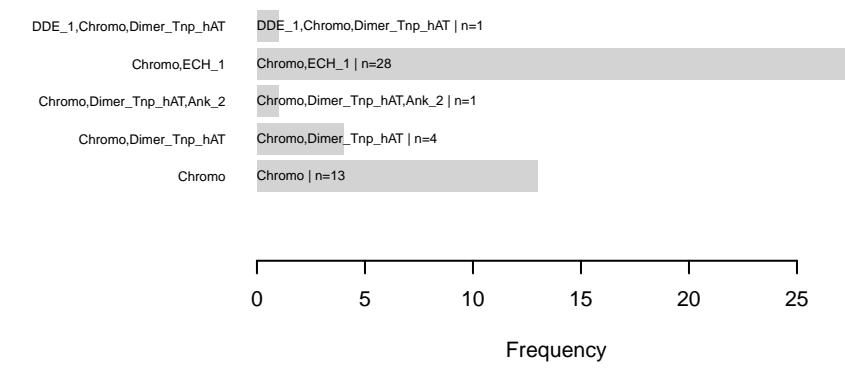
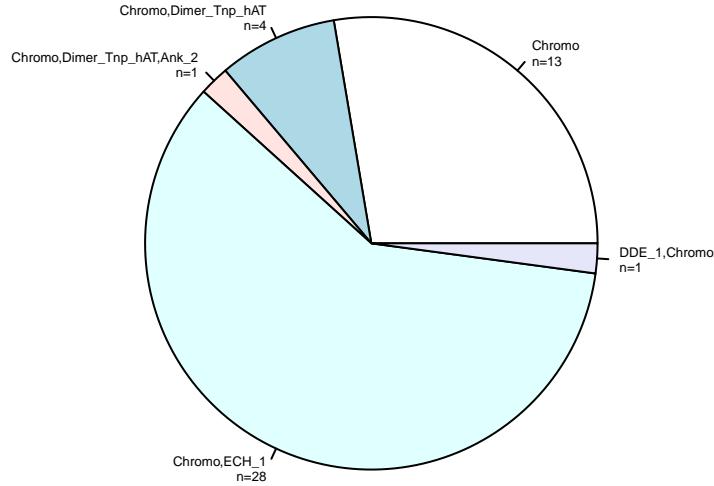
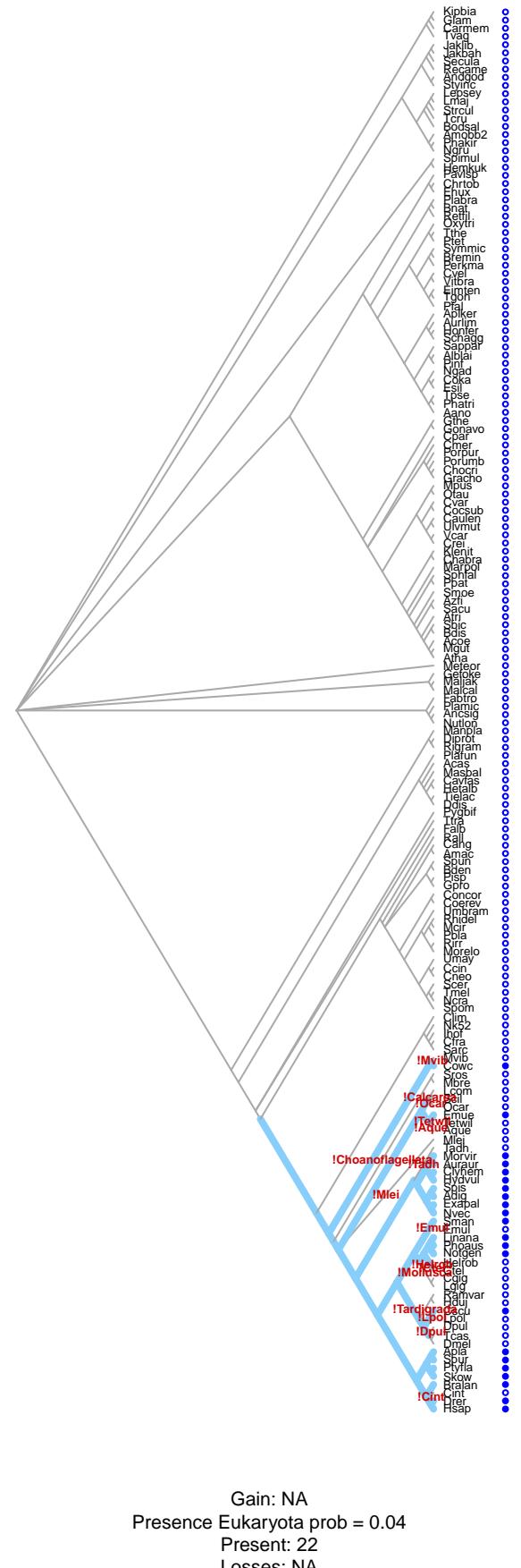


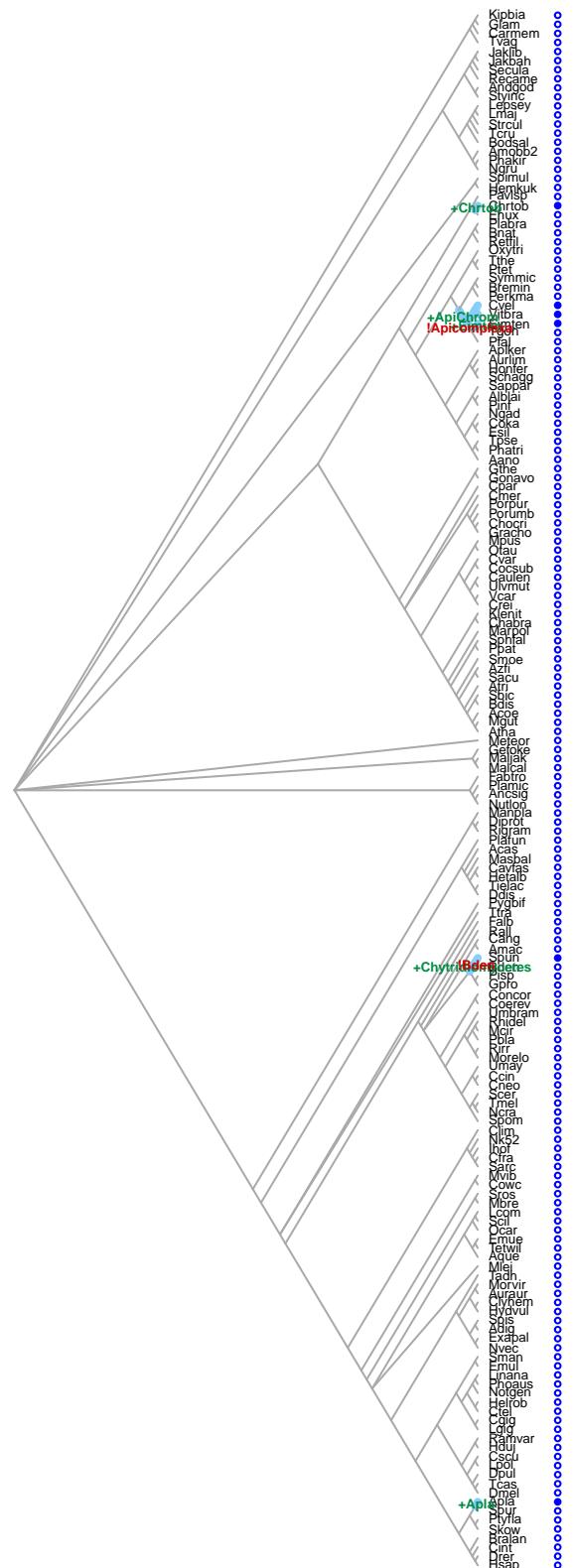




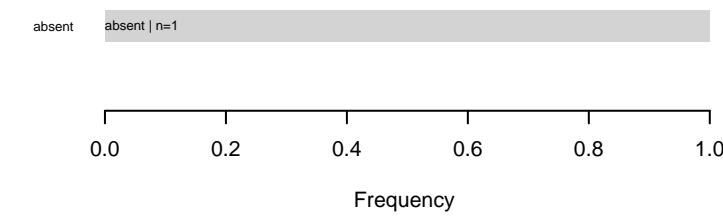
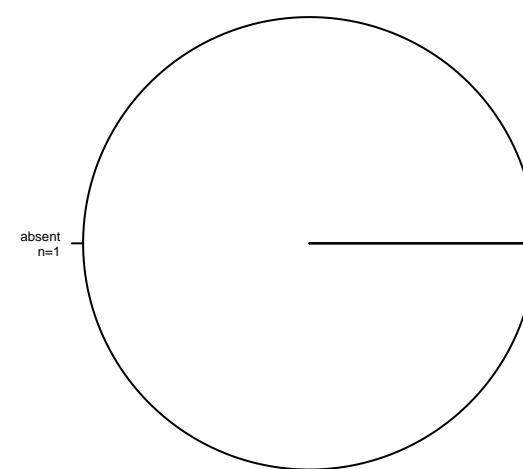
Gain: Notgen,Calcarea,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

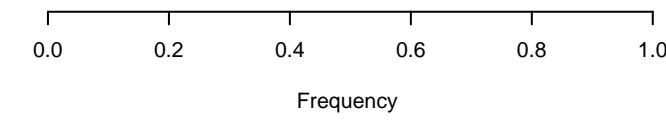
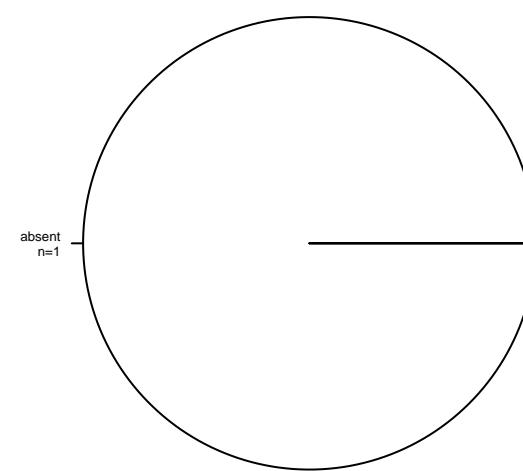
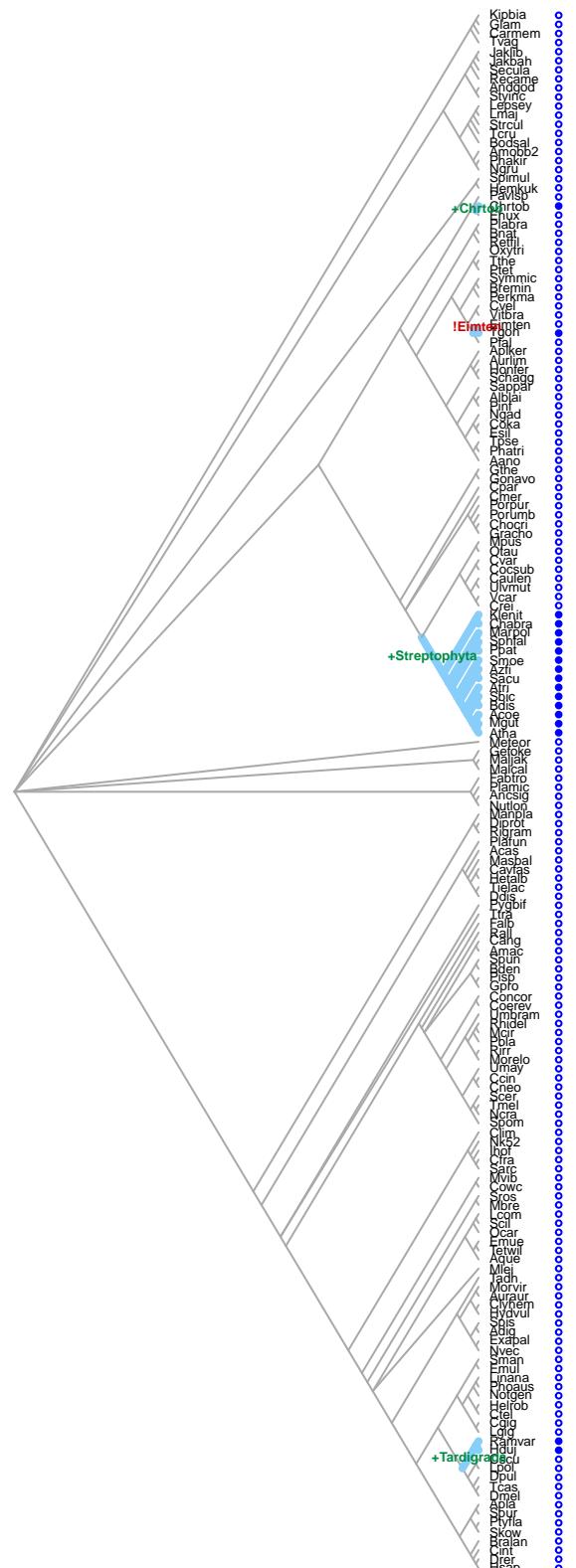


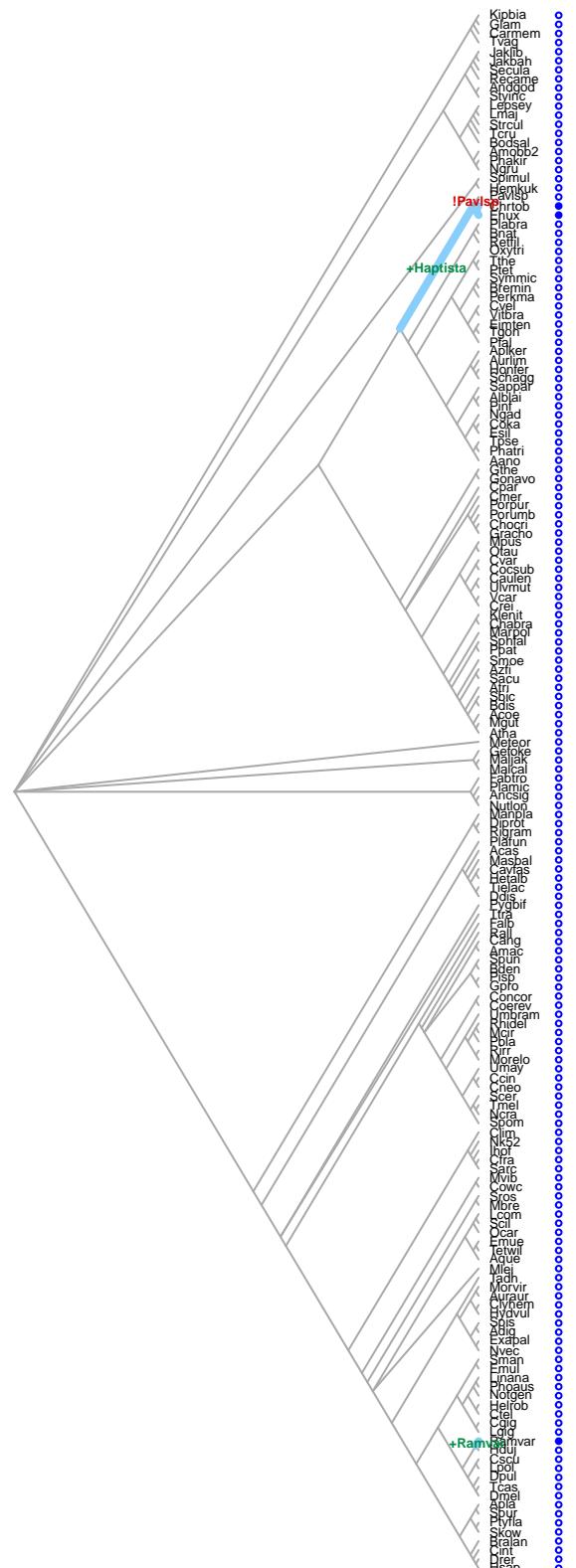




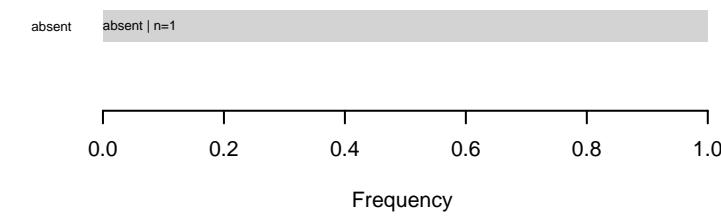
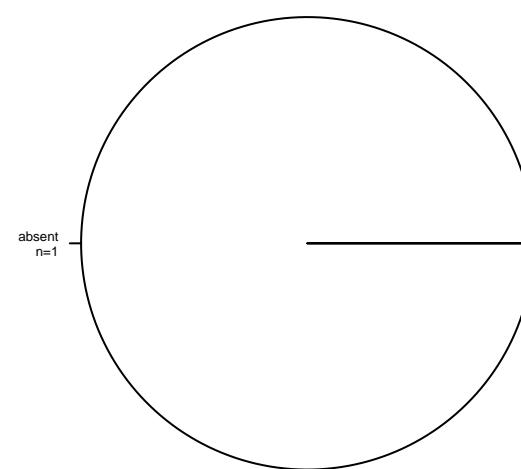
Gain: Apla, Chytridiomycetes, ApiChrom, Eimten, Chrtob, NA
Presence Eukaryota prob = 0.01
Present: 6
Losses: NA

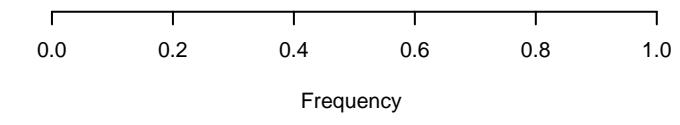
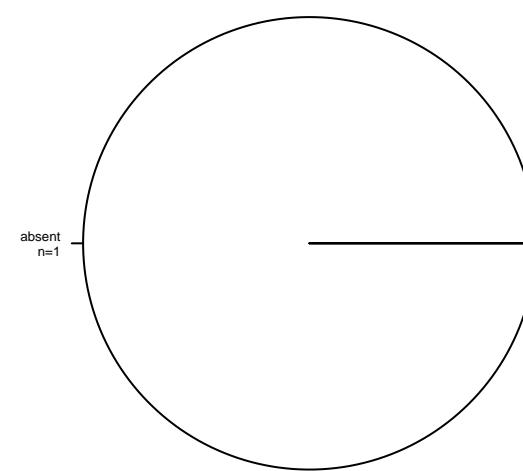
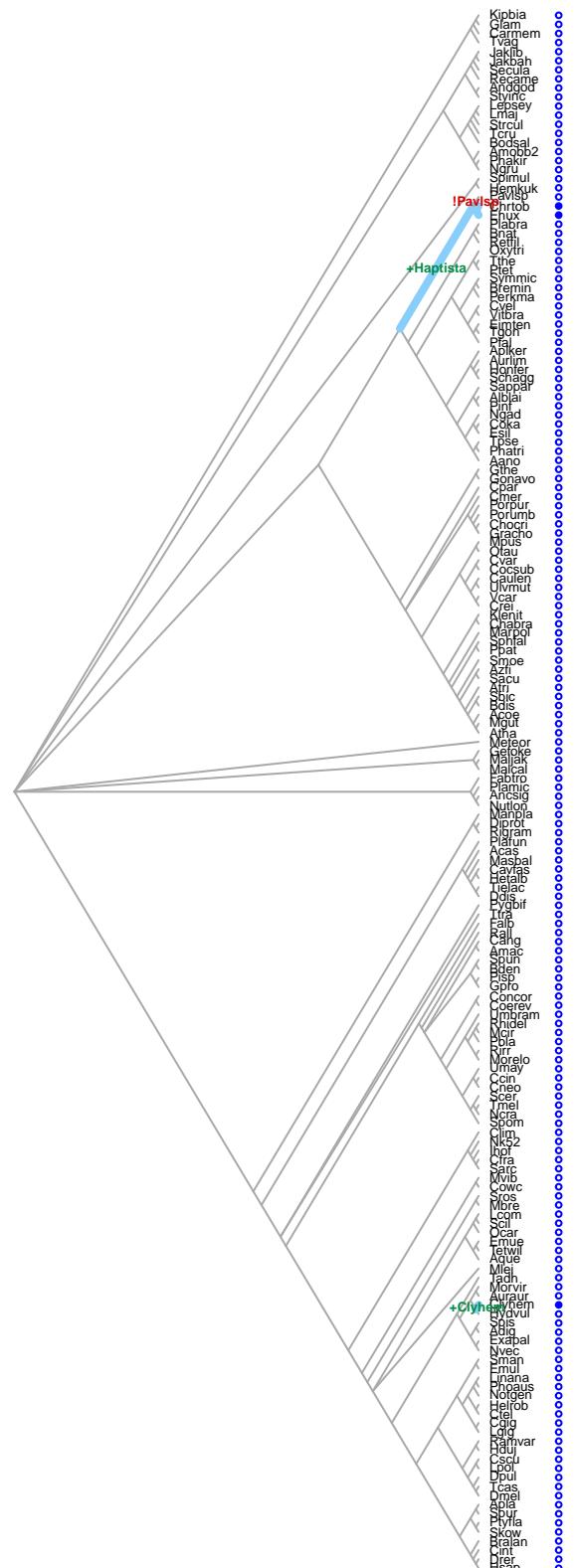


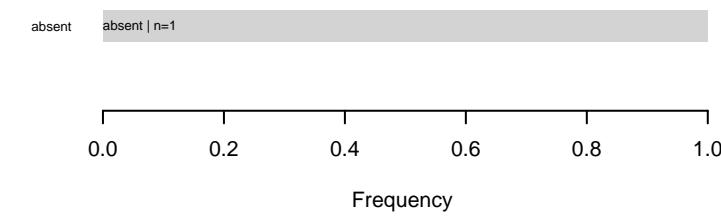
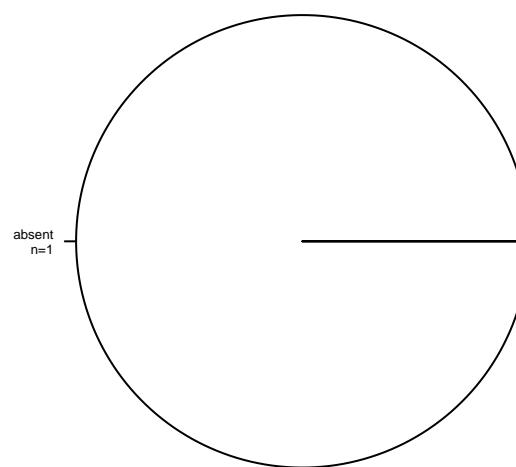
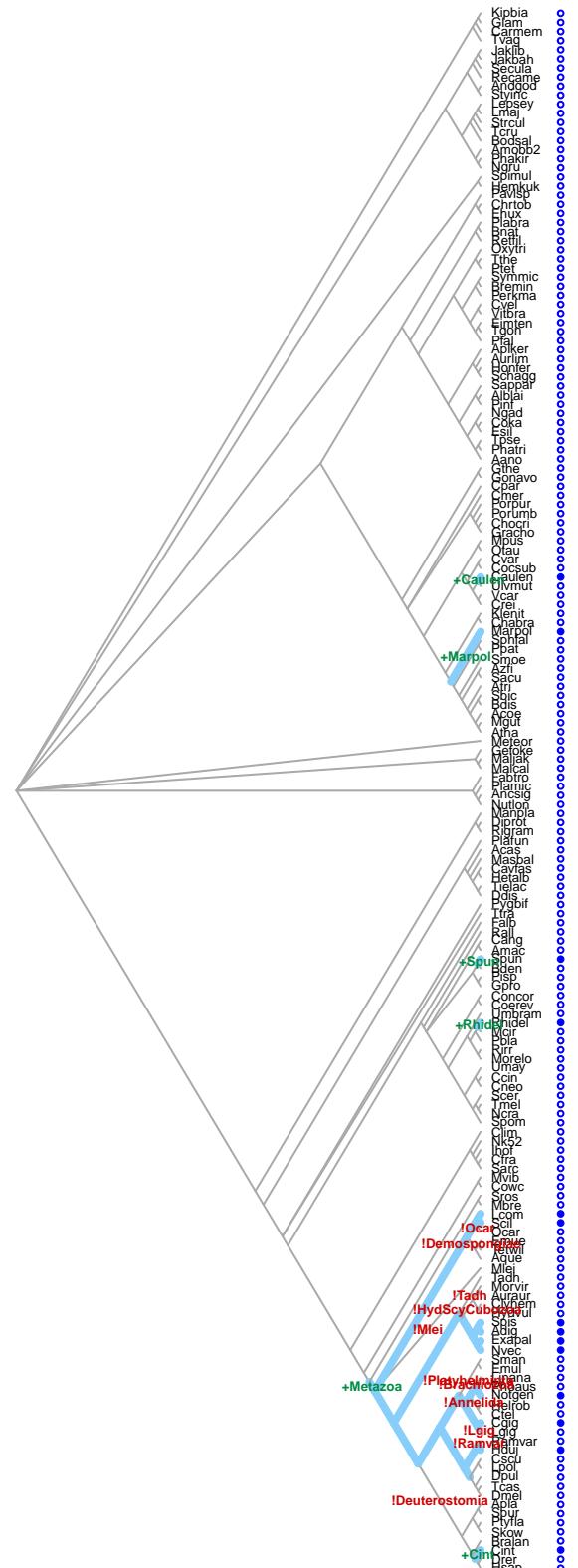


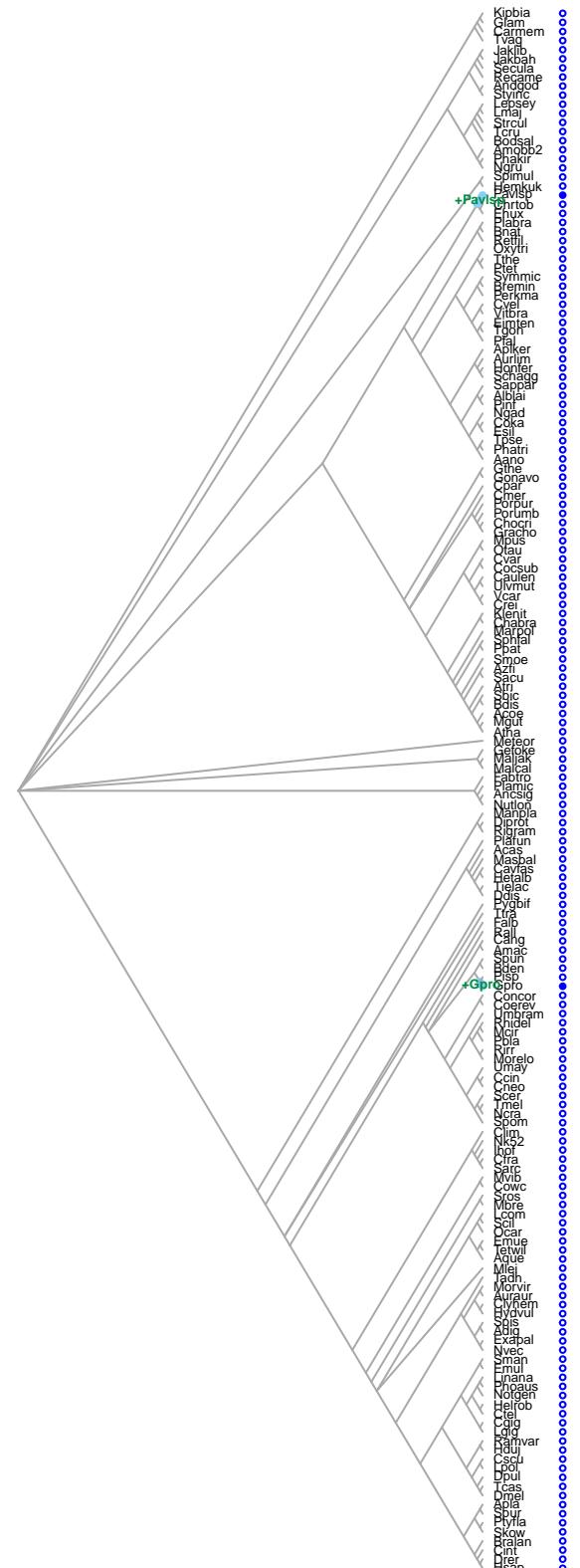


Gain: Ramvar,Haptista,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

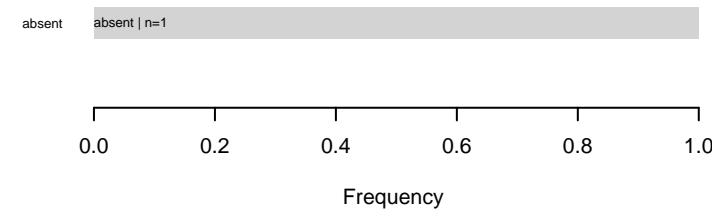
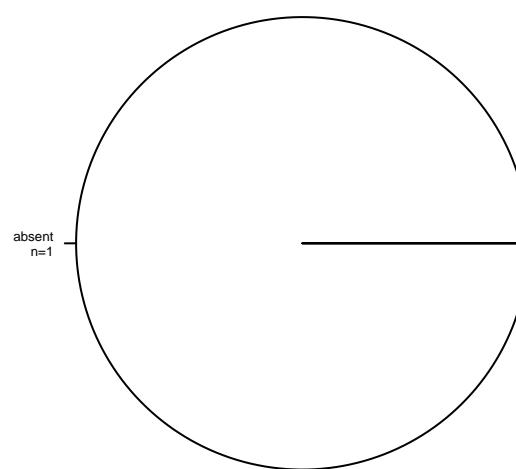


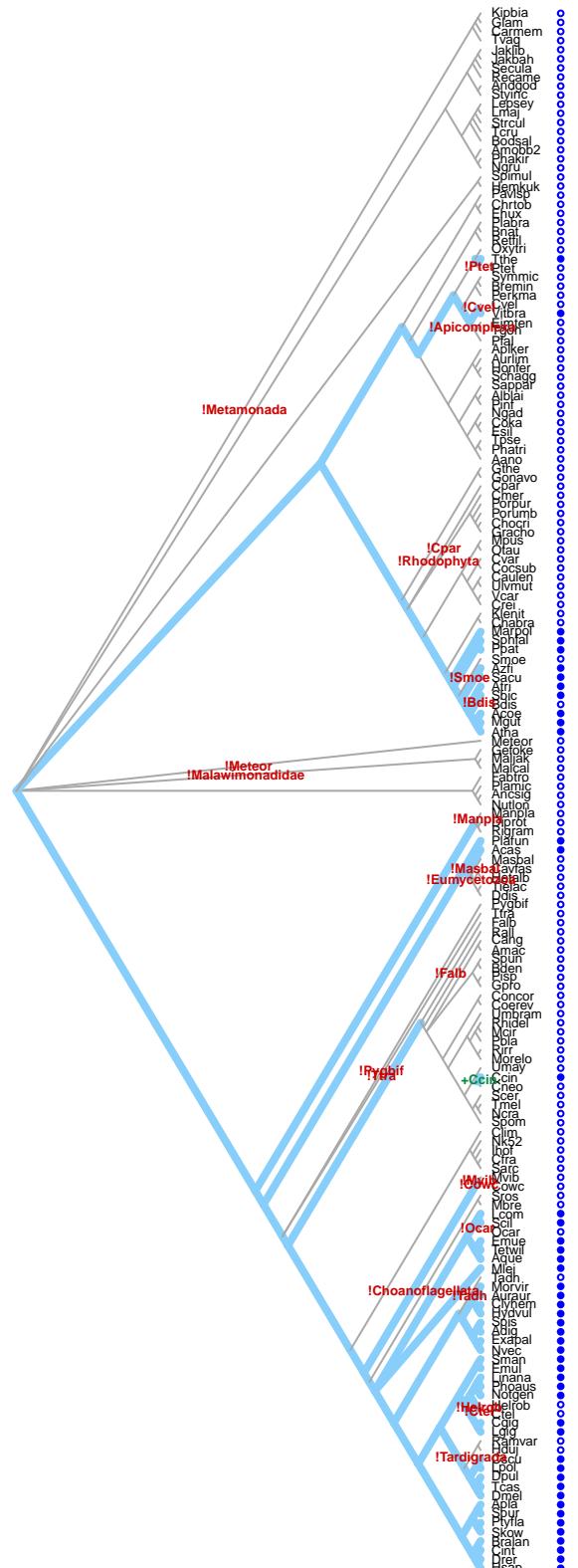




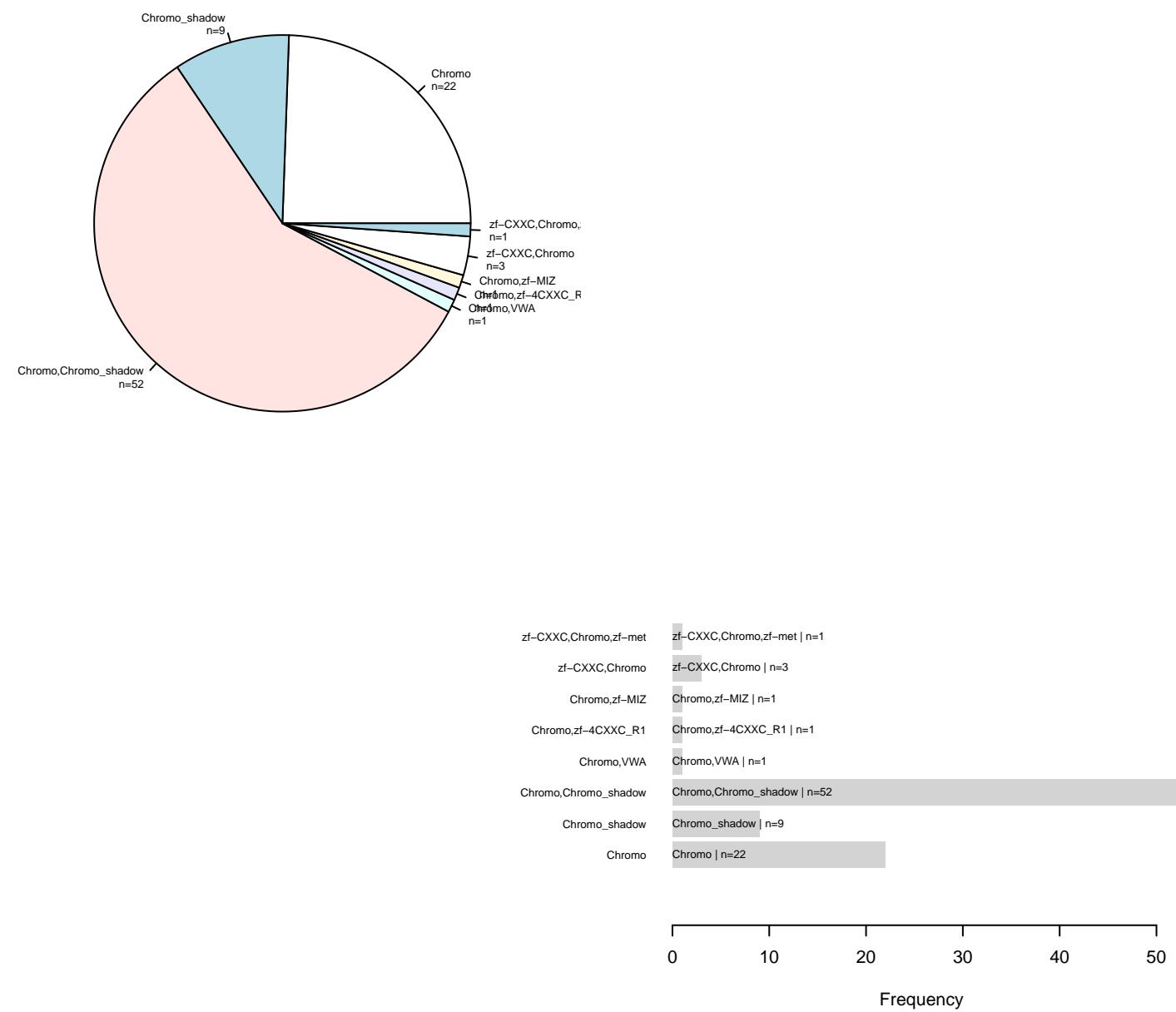


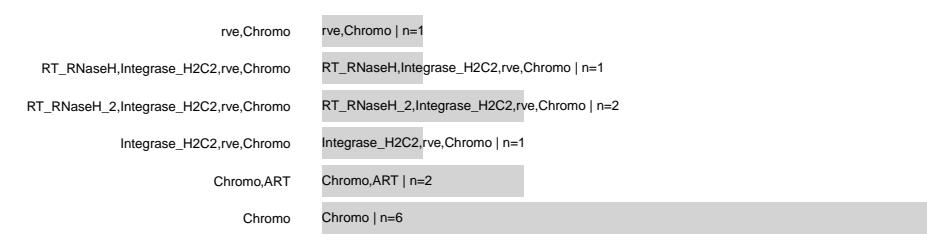
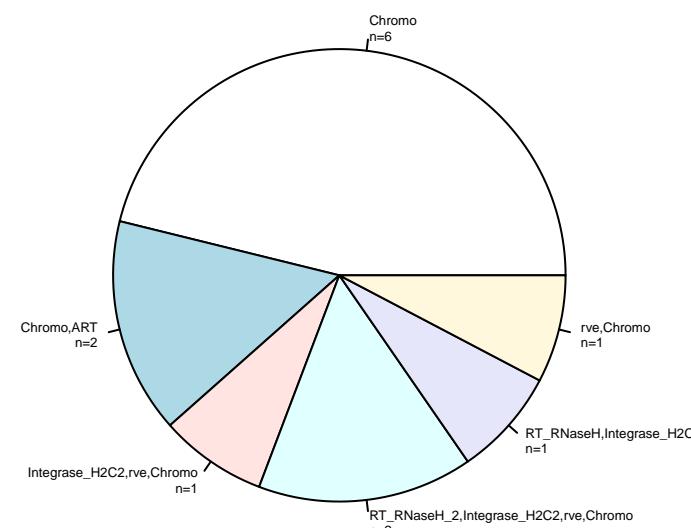
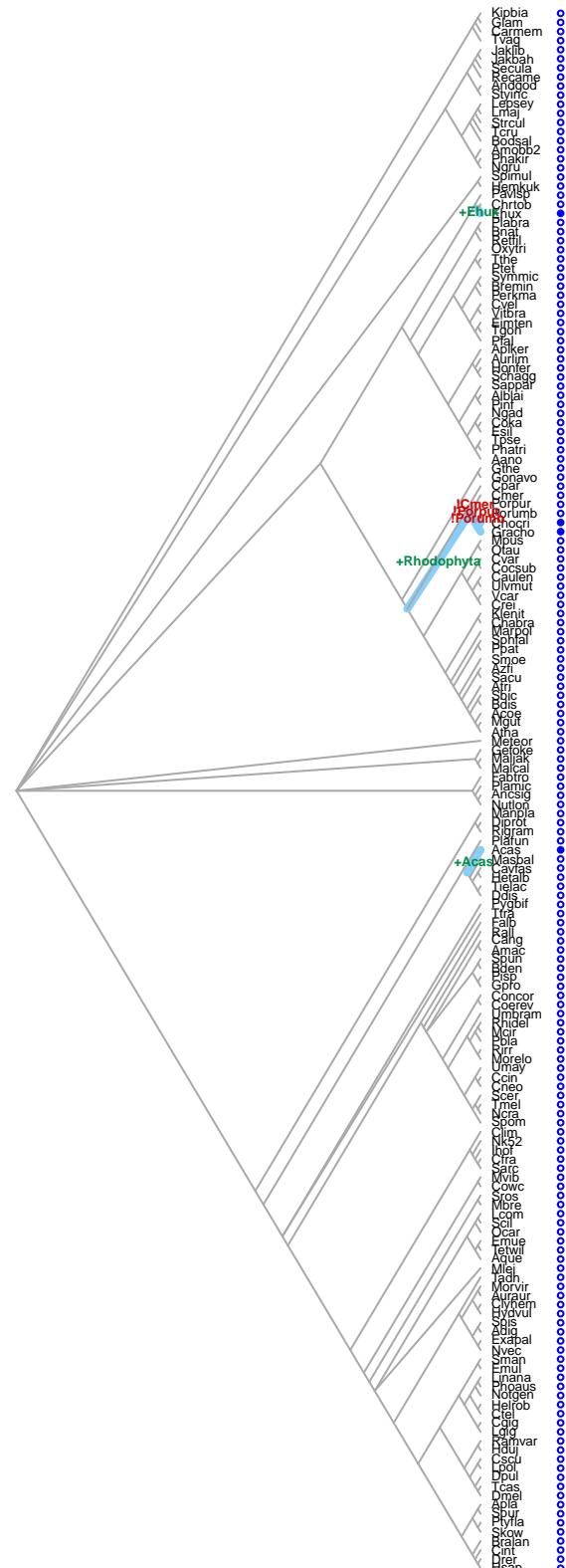
Gain: Gpro,Pavlsp,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA





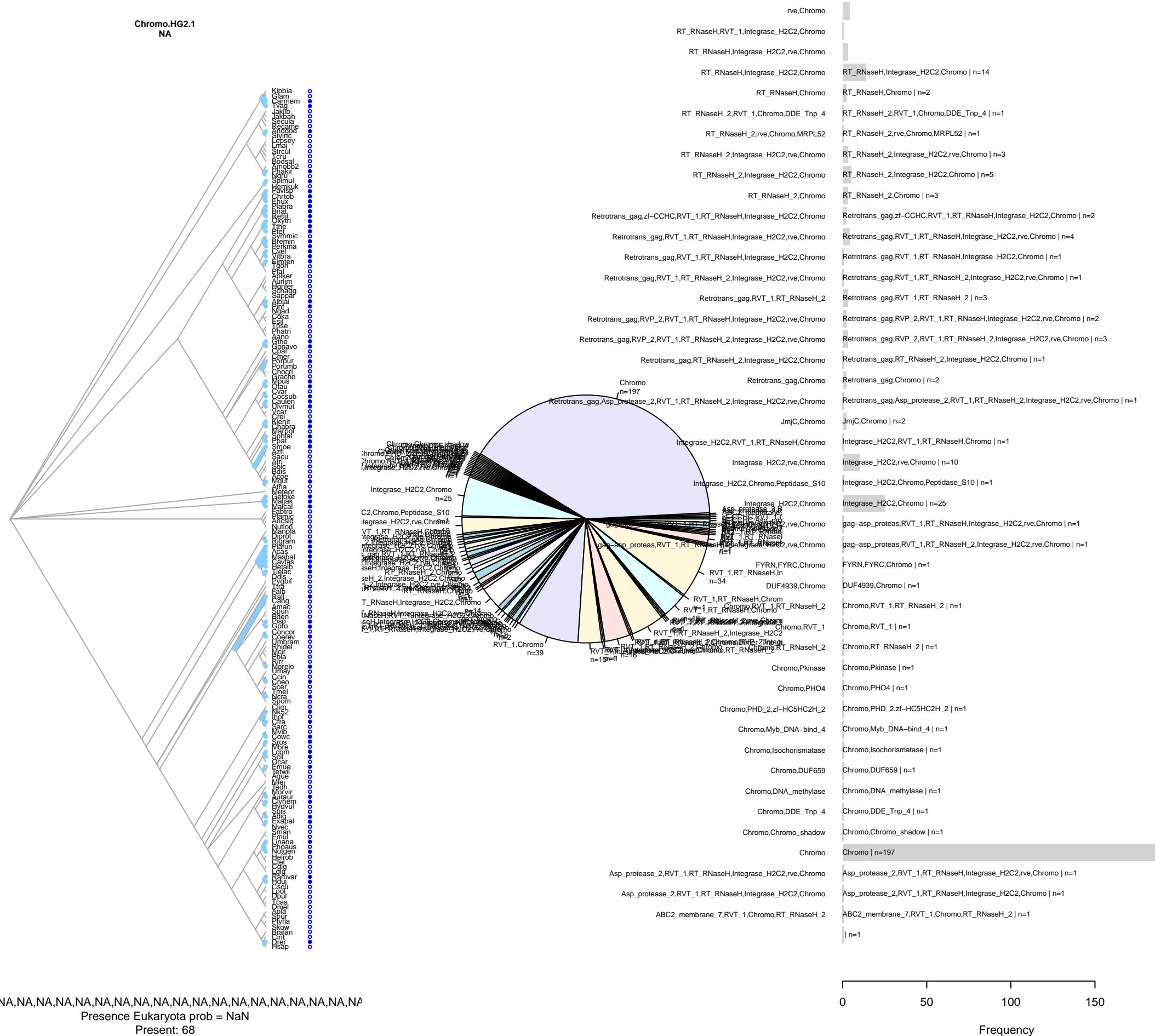
Gain: Ccin,NA
Presence Eukaryota prob = 0.74
Present: 49
Losses: NA

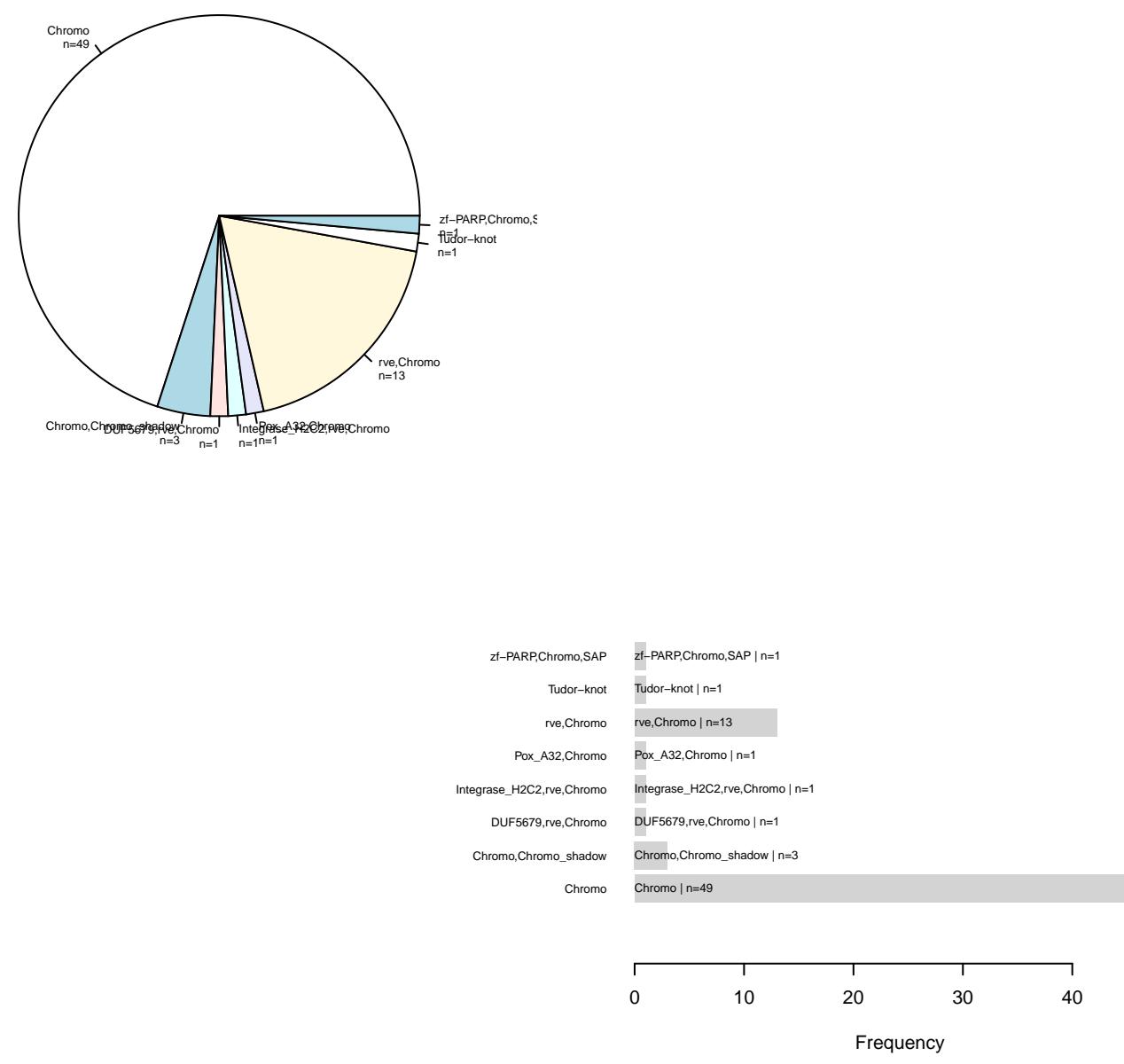
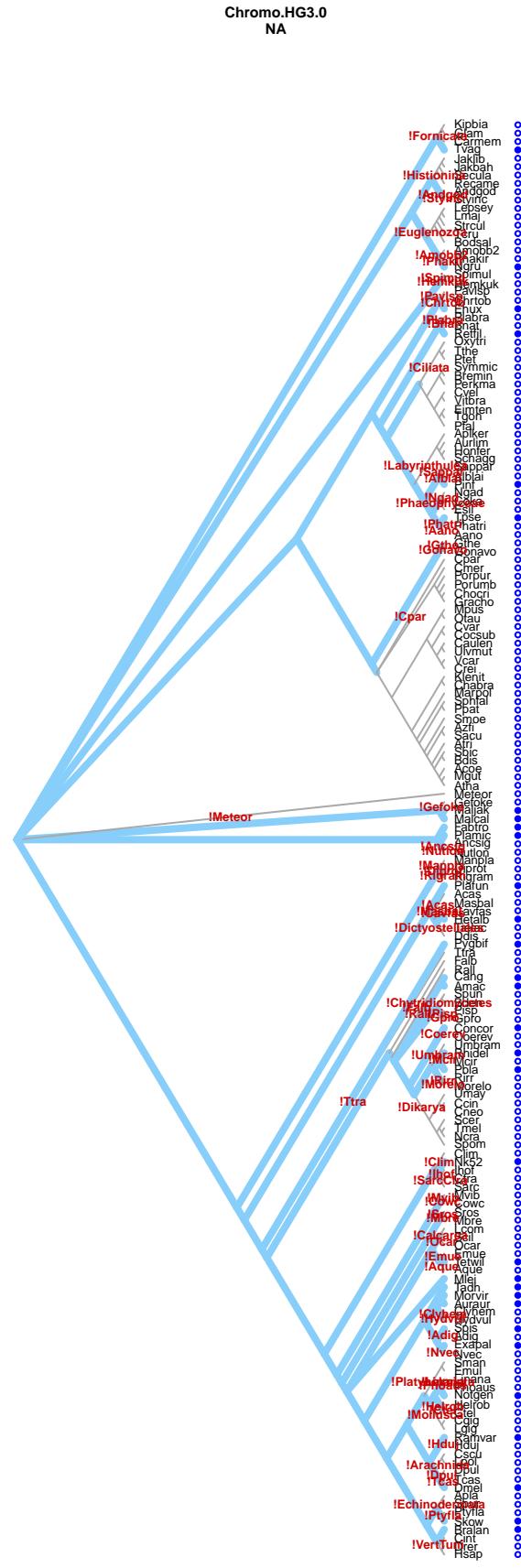


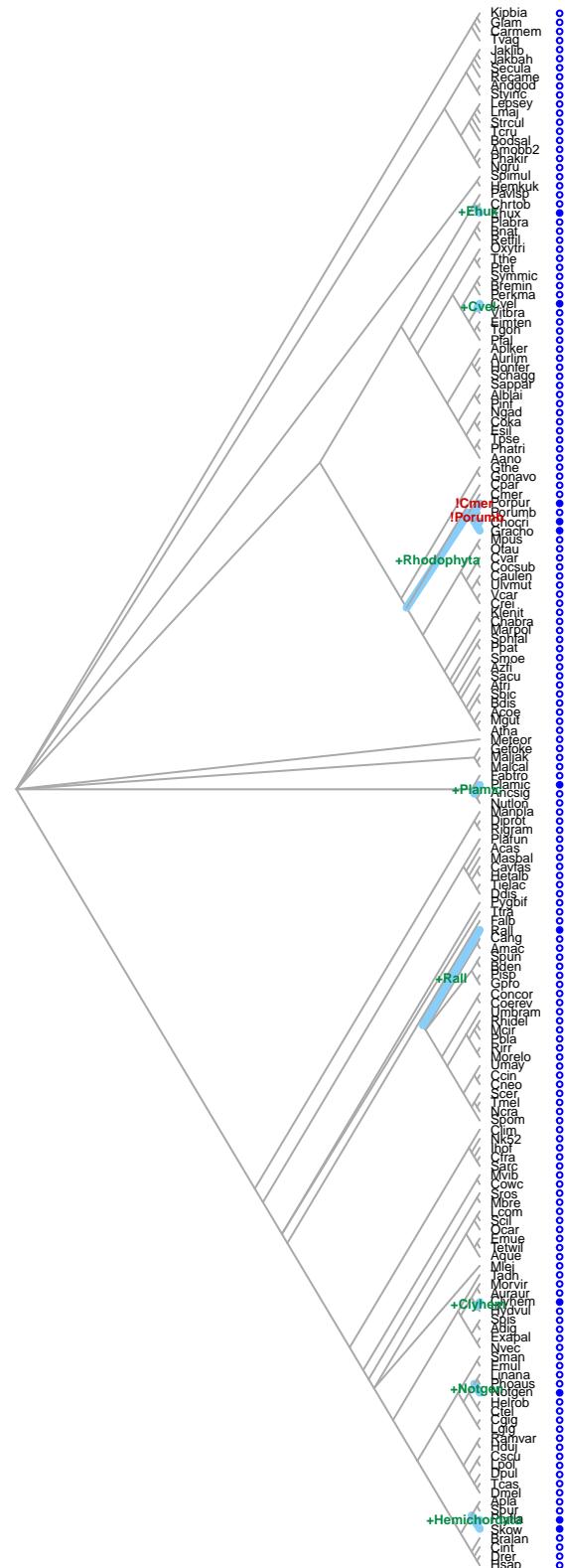


0 1 2 3 4 5 6

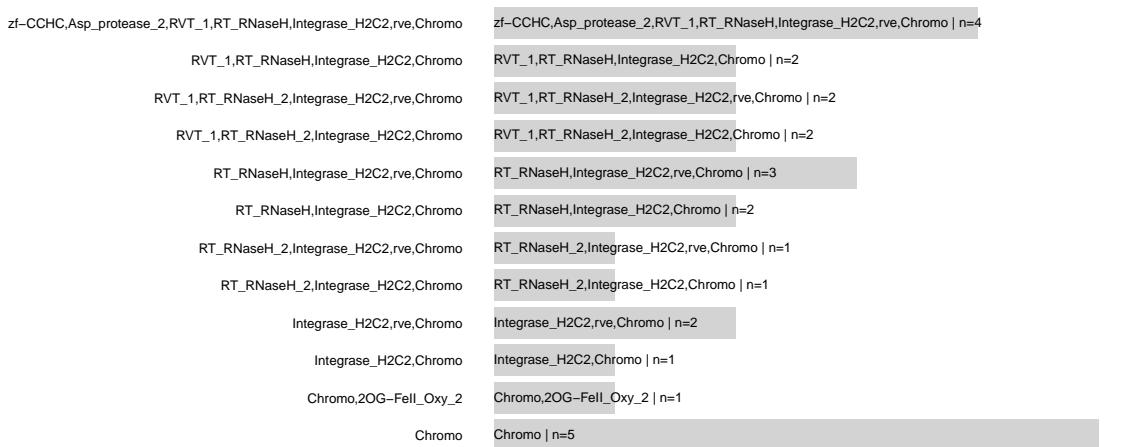
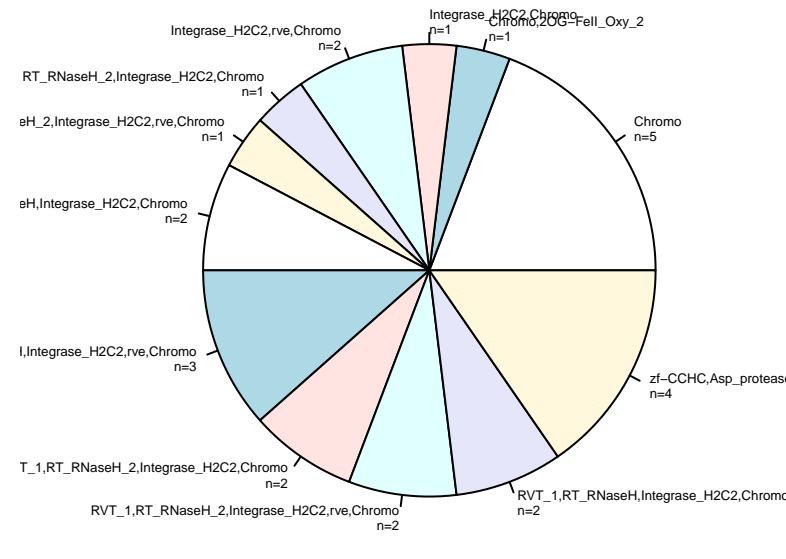
Frequency







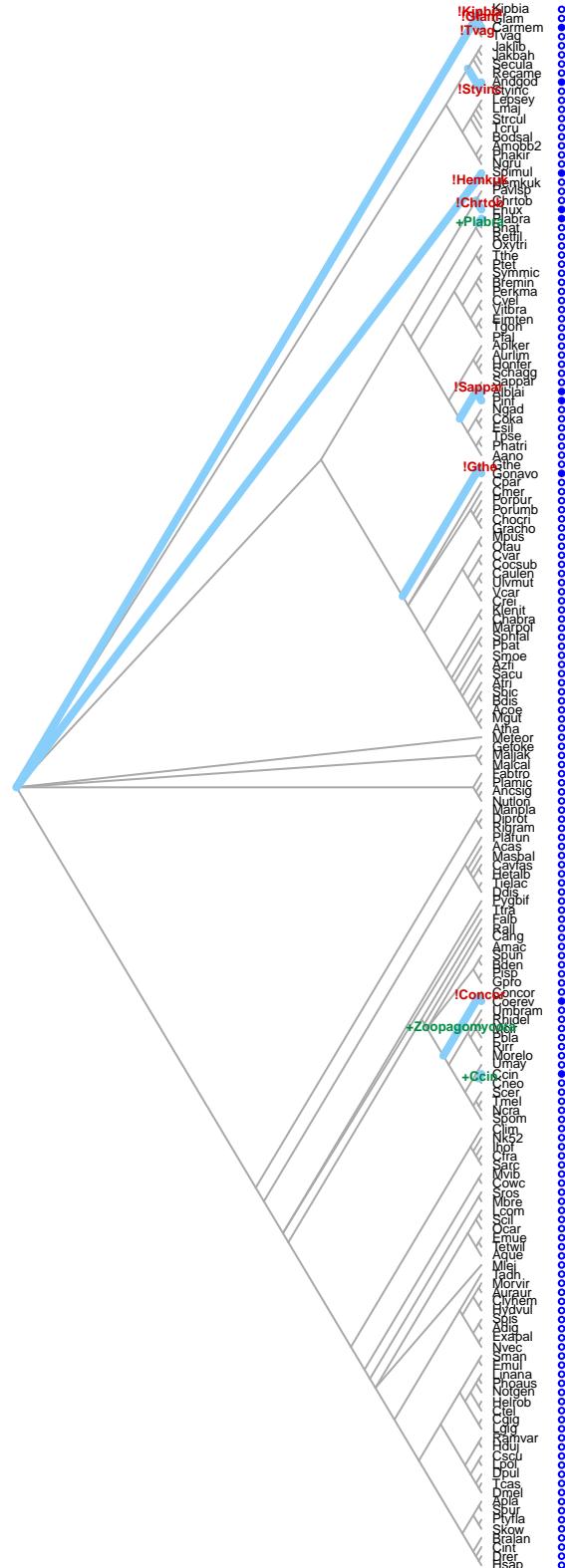
Gain: Hemichordata, Notgen, Clyhem, Rall, Plamic, Rhodophyta, Cvel, Ehux, NA
 Presence Eukaryota prob = 0.17
 Present: 11
 Losses: NA



0 1 2 3 4 5

Frequency

Chromo.HG3.3
NA

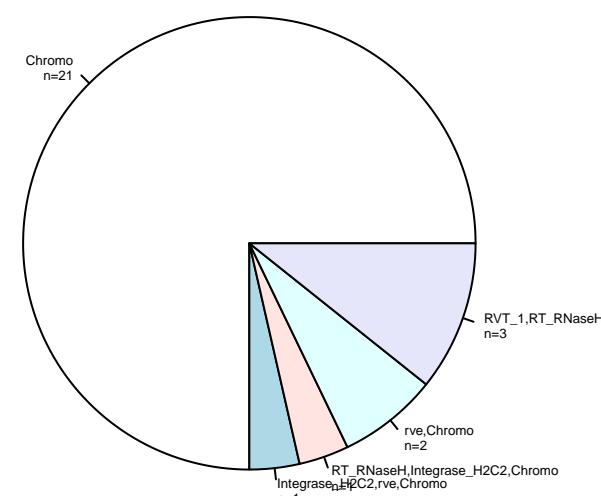


Gain: Ccin,Zoopagomycota,Plabra,NA

Presence Eukaryota prob = 0.46

Present: 10

Losses: NA



RVT_1,RT_RNaseH_2,Integrase_H2C2,rve,Chromo

RVT_1,RT_RNaseH_2,Integrase_H2C2,rve,Chromo | n=3

rve,Chromo | n=2

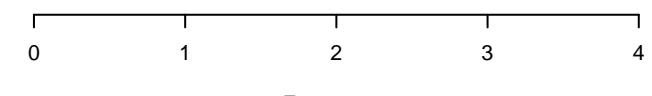
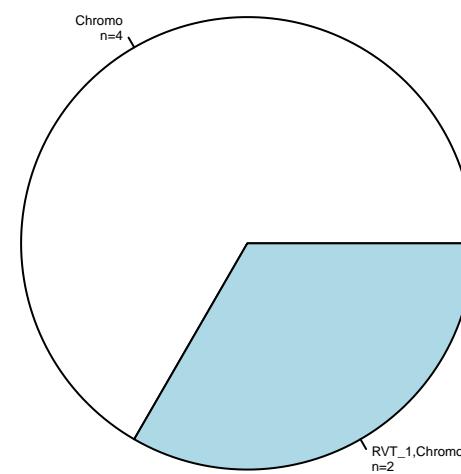
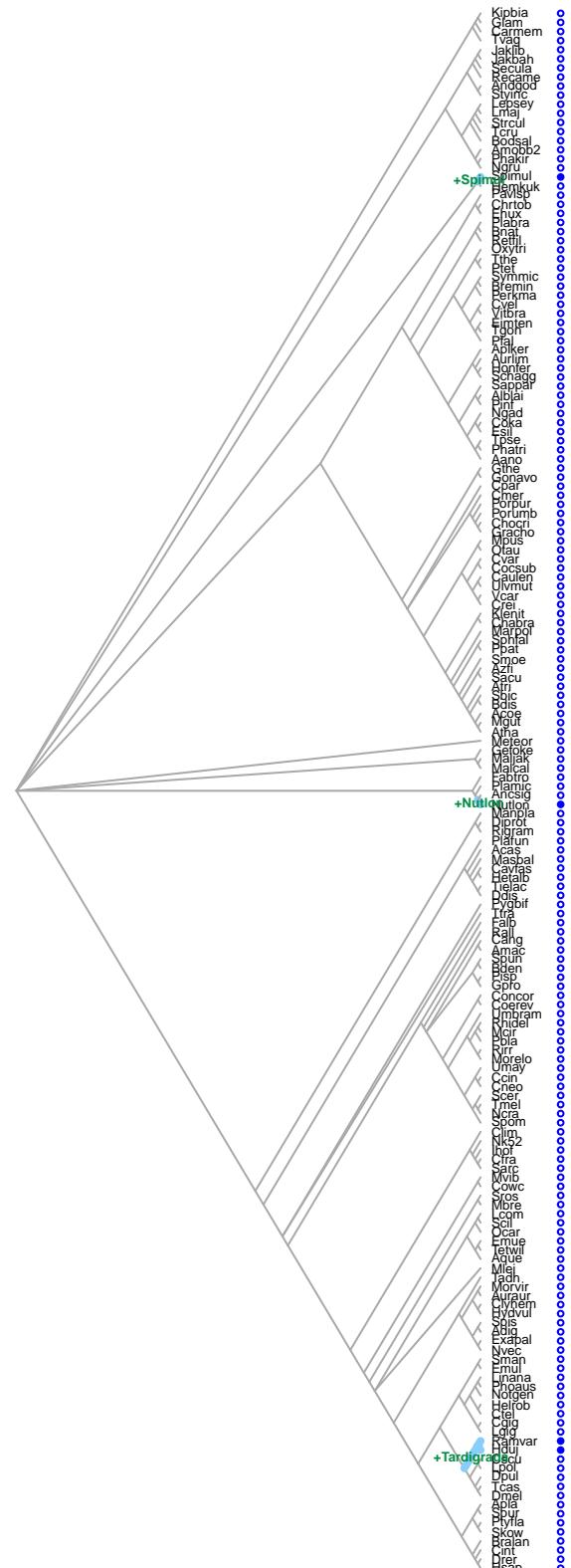
RT_RNaseH,Integrase_H2C2,Chromo | n=1

Integrase_H2C2,rve,Chromo | n=1

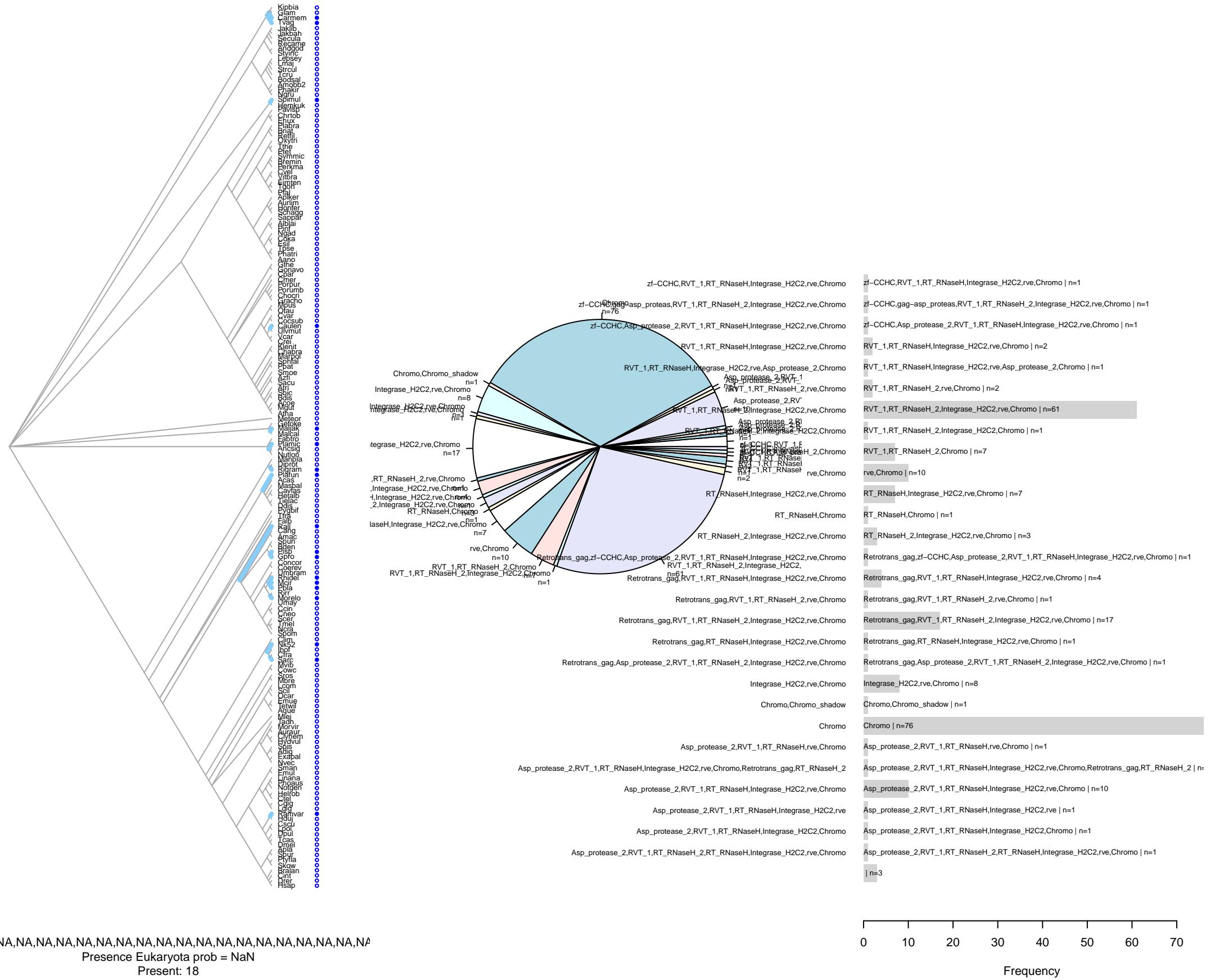
Chromo | n=21

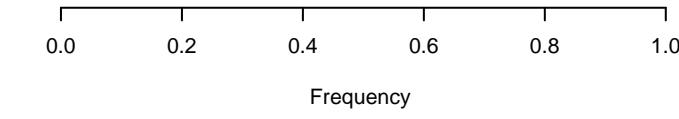
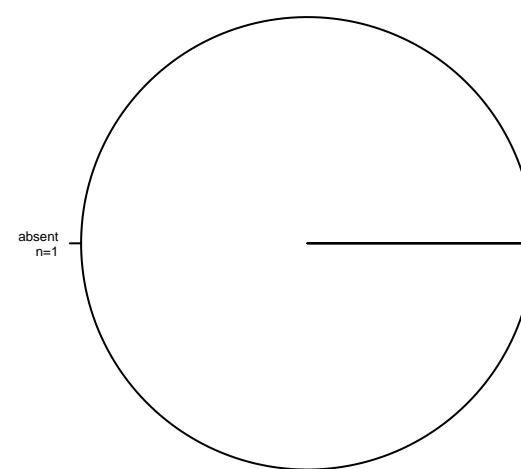
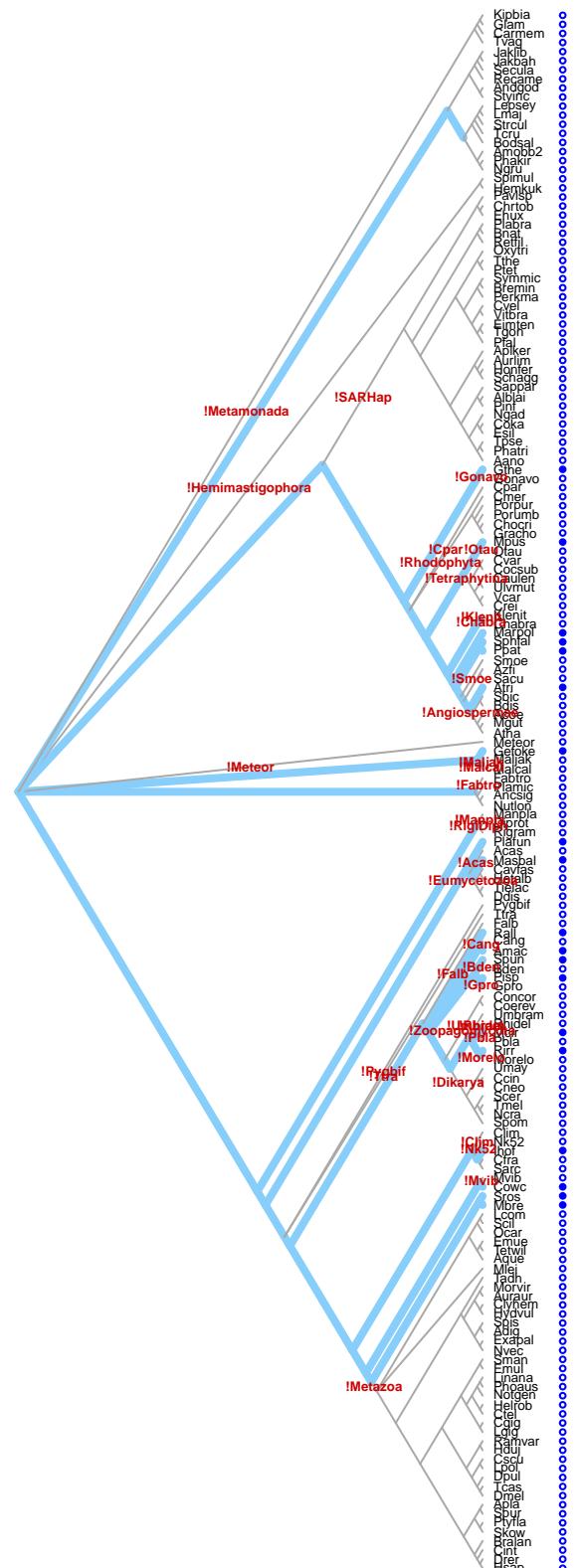
0 5 10 15 20

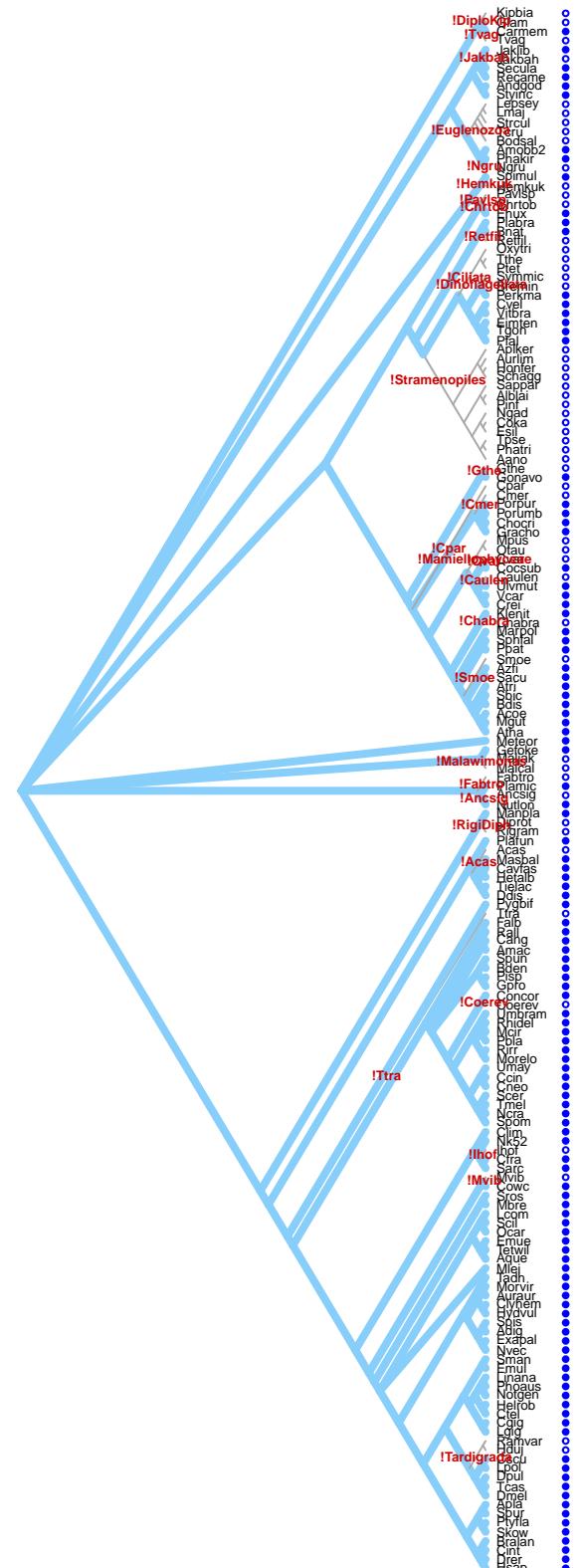
Frequency



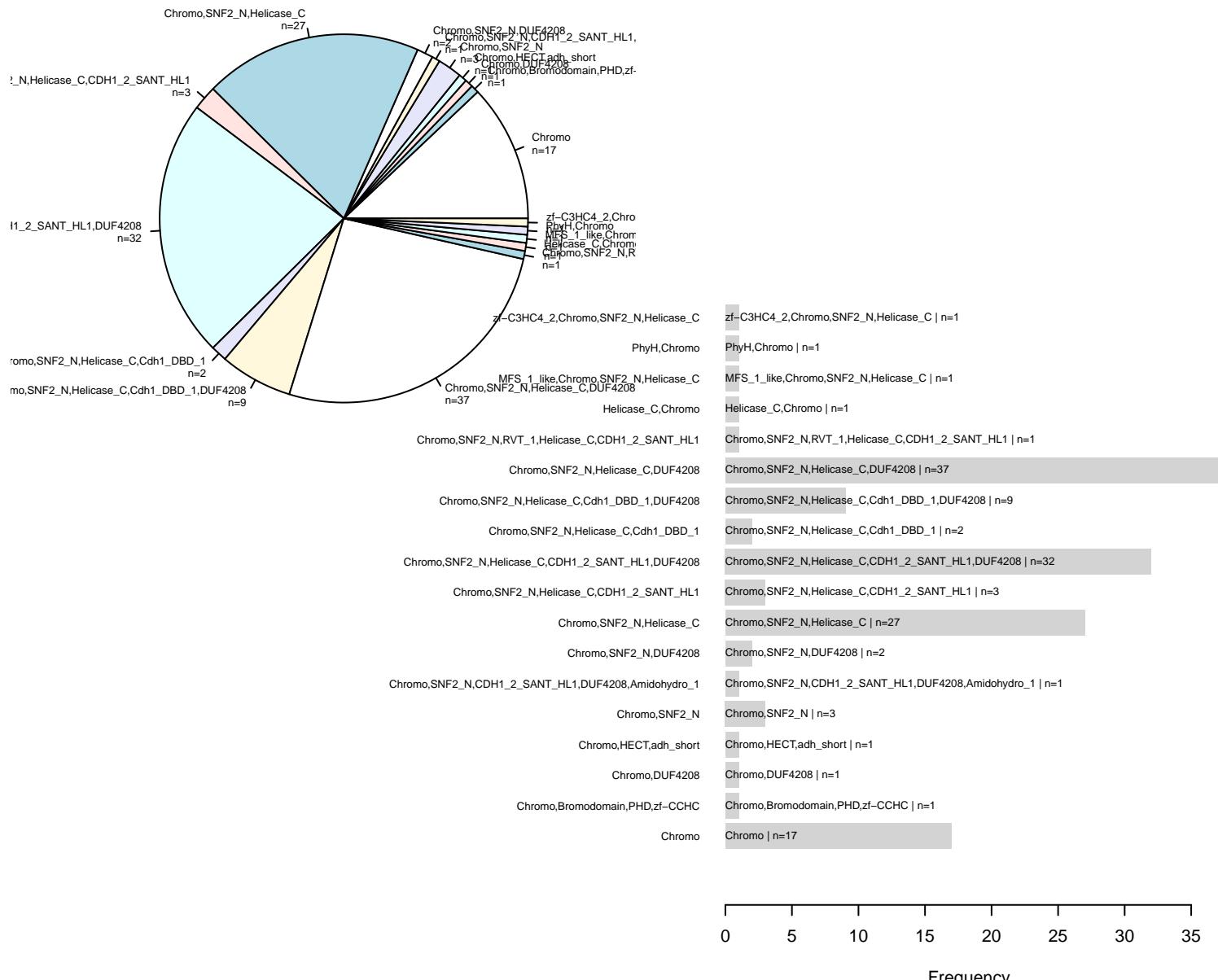
Chromo.HG3.5
NA

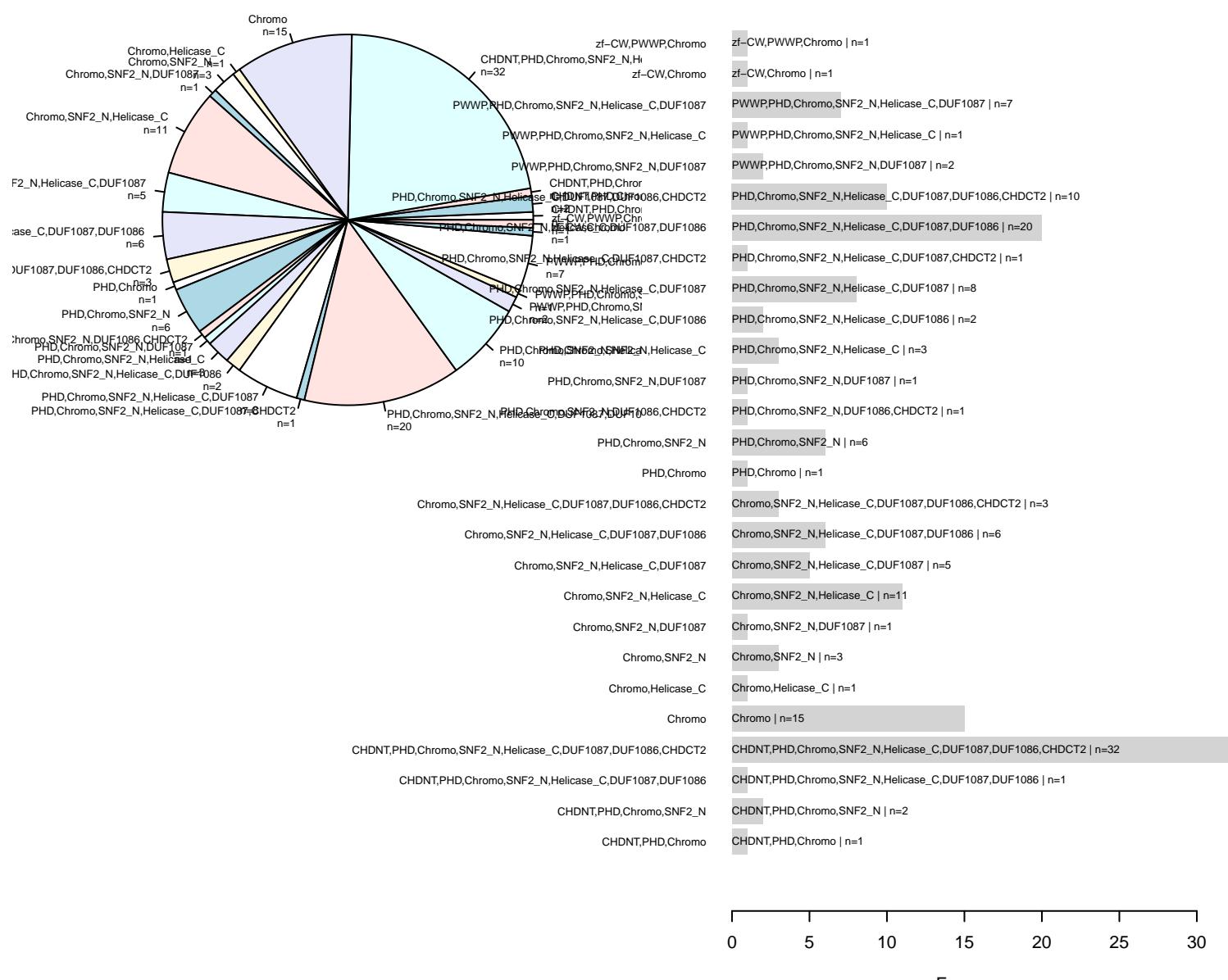
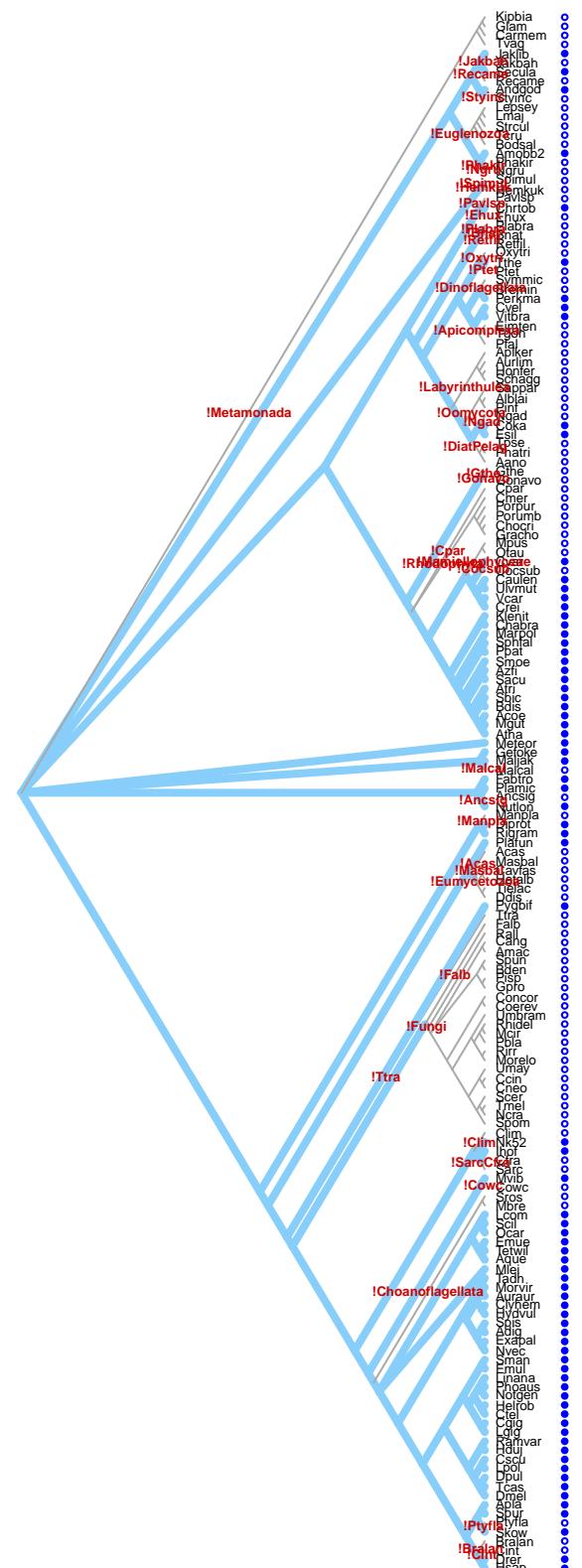


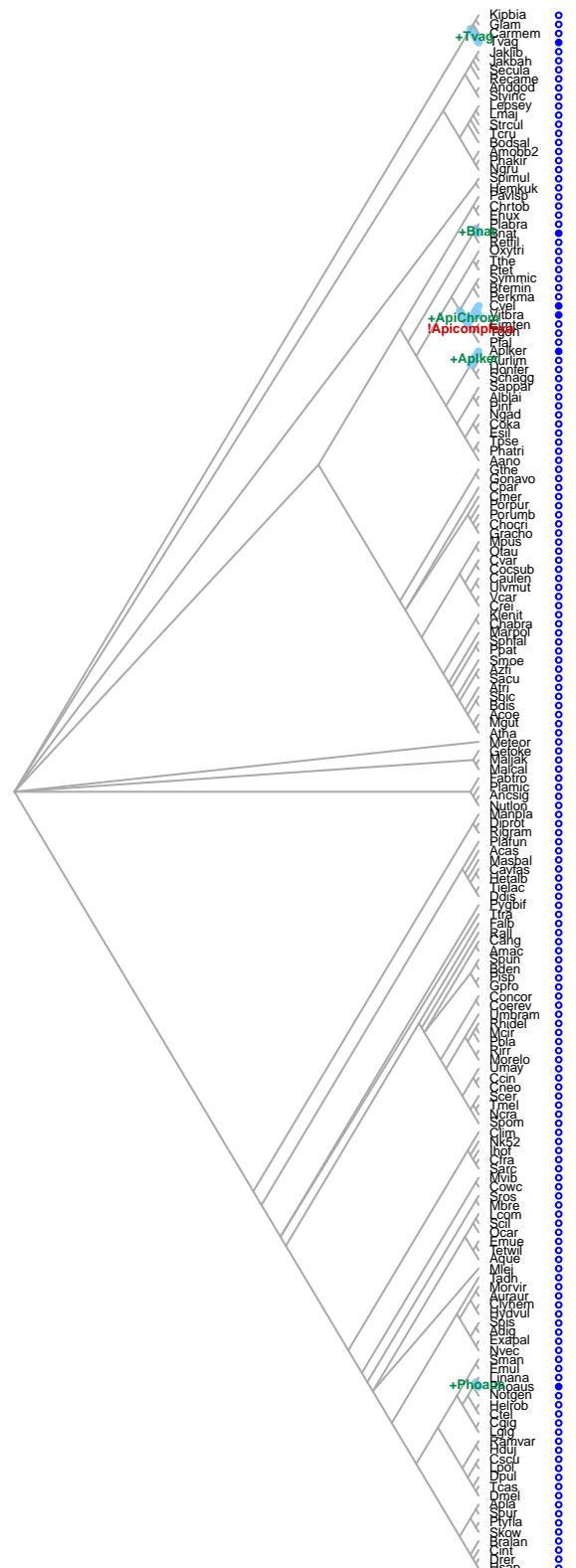




Gain: NA
Presence Eukaryota prob = 1.00
Present: 118
Losses: NA





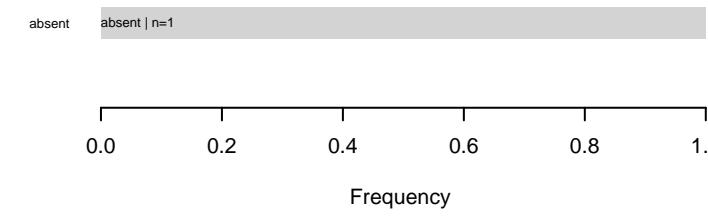
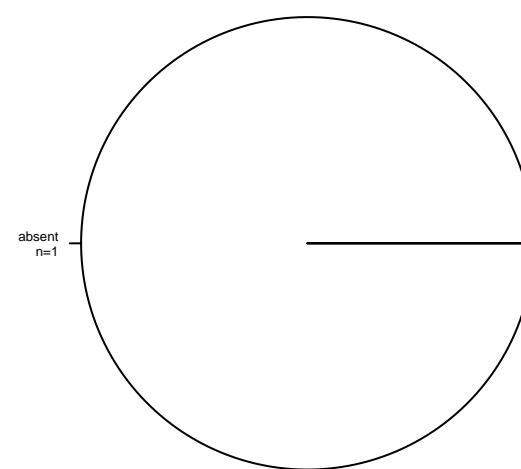


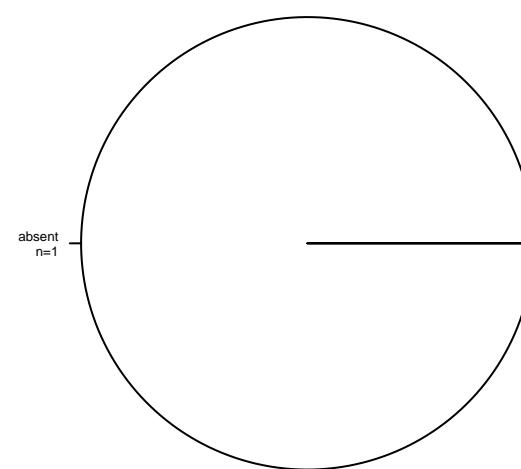
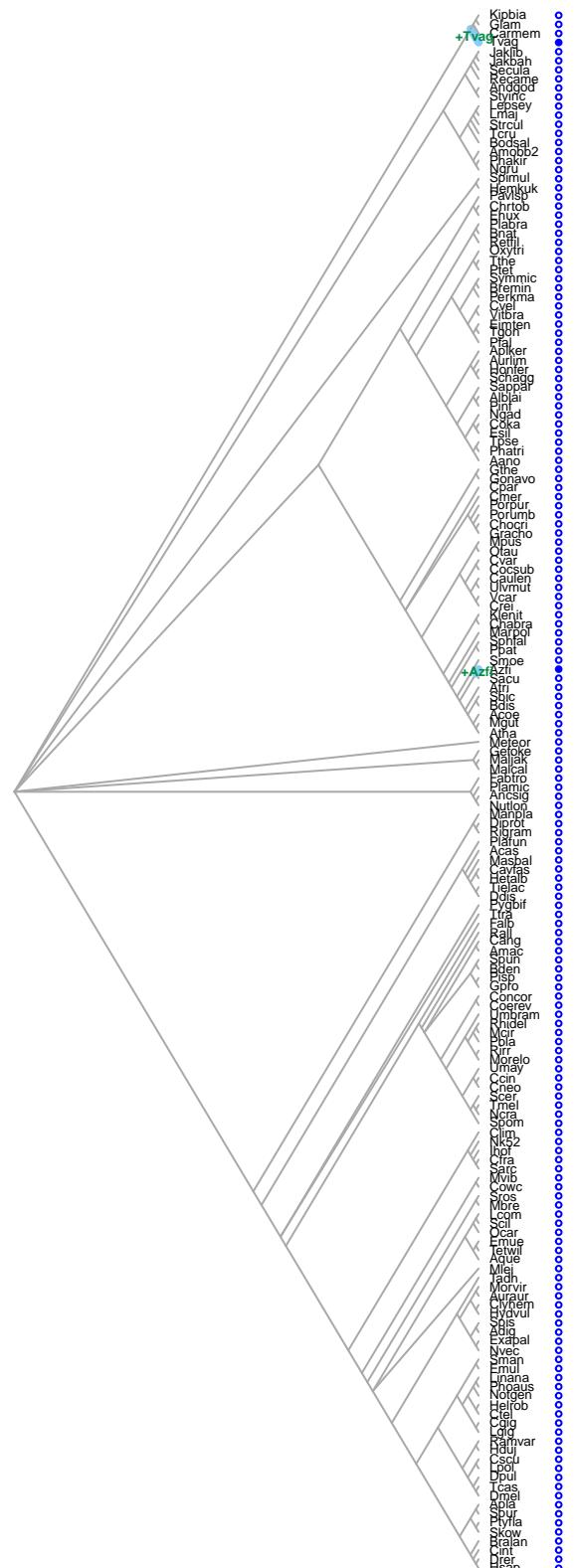
Gain: Phoaus,Aplker,Apichrom,Bnat,Tvag,NA

Presence Eukaryota prob = 0.03

Present: 6

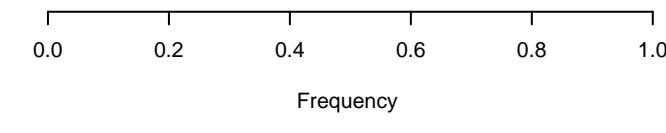
Losses: NA

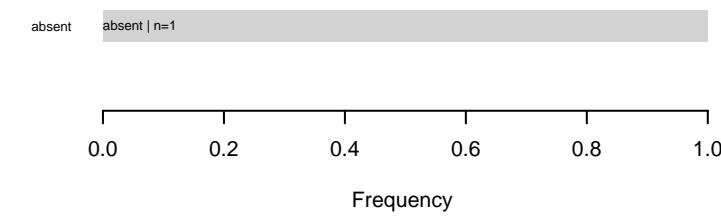
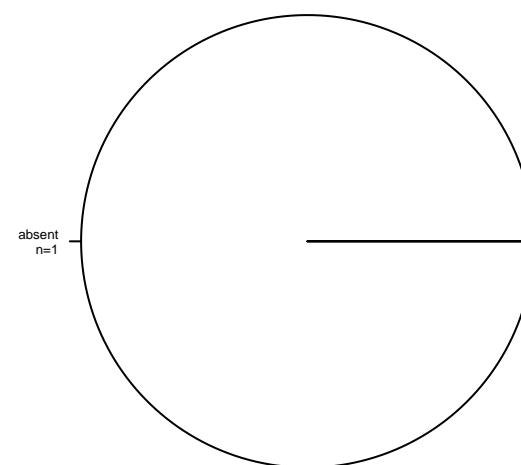
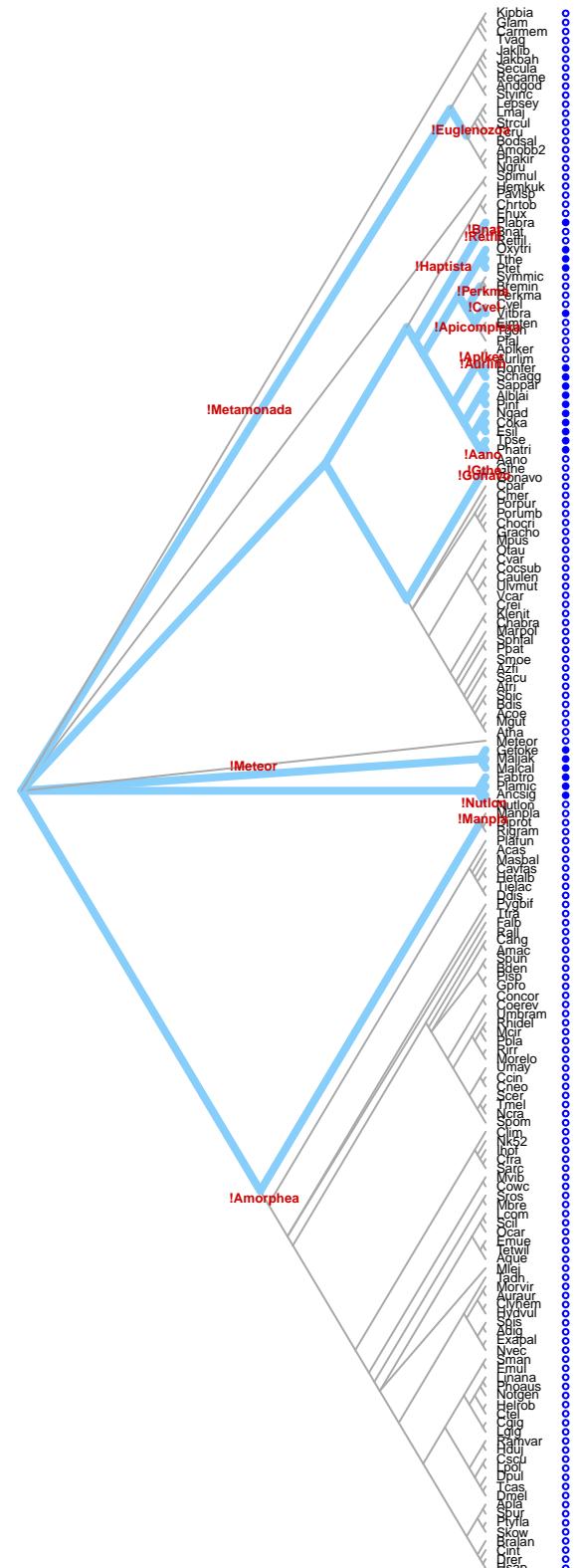


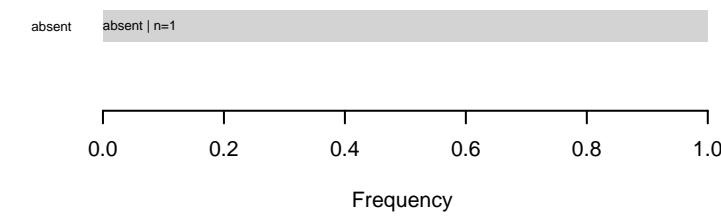
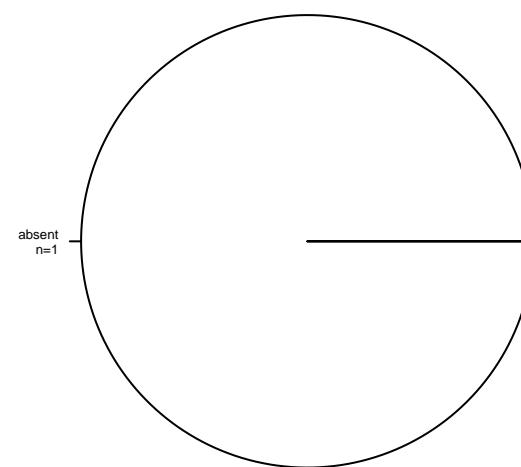
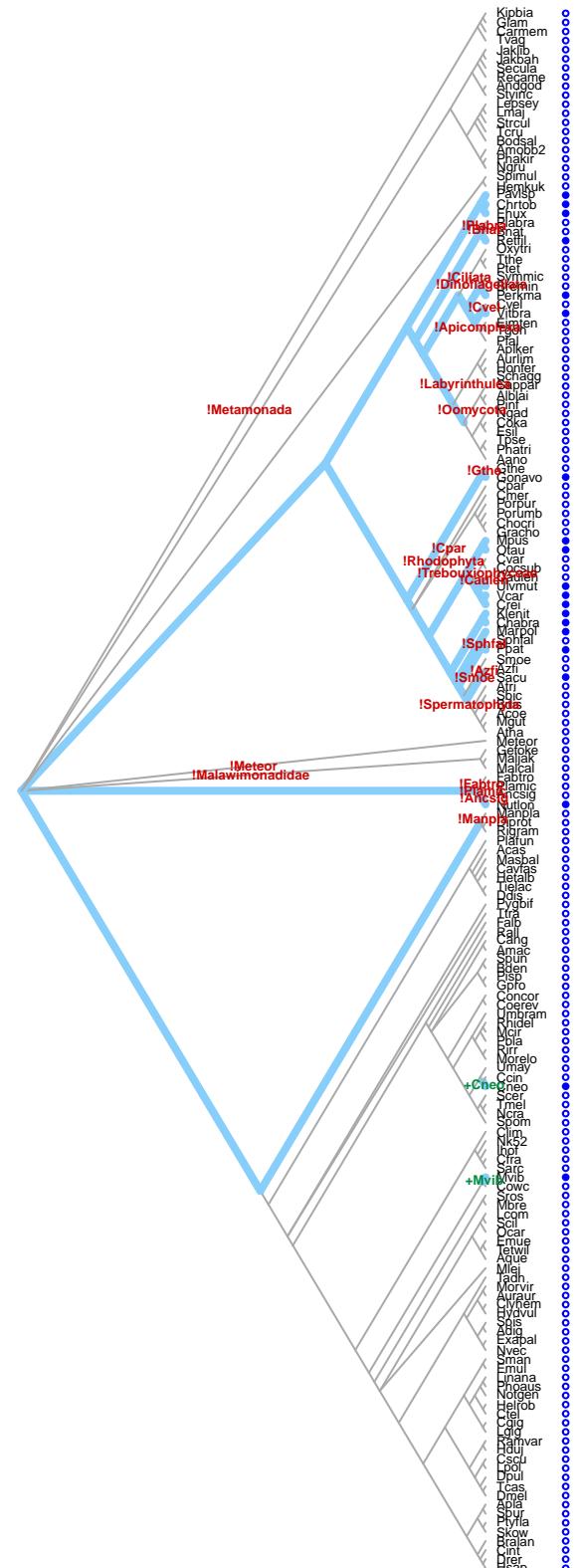


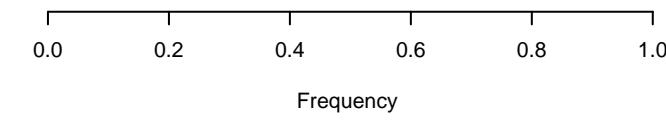
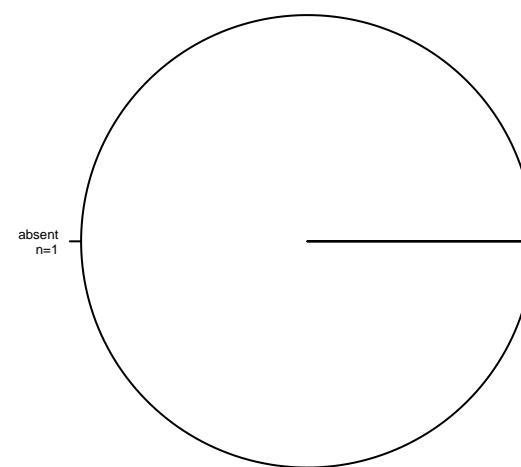
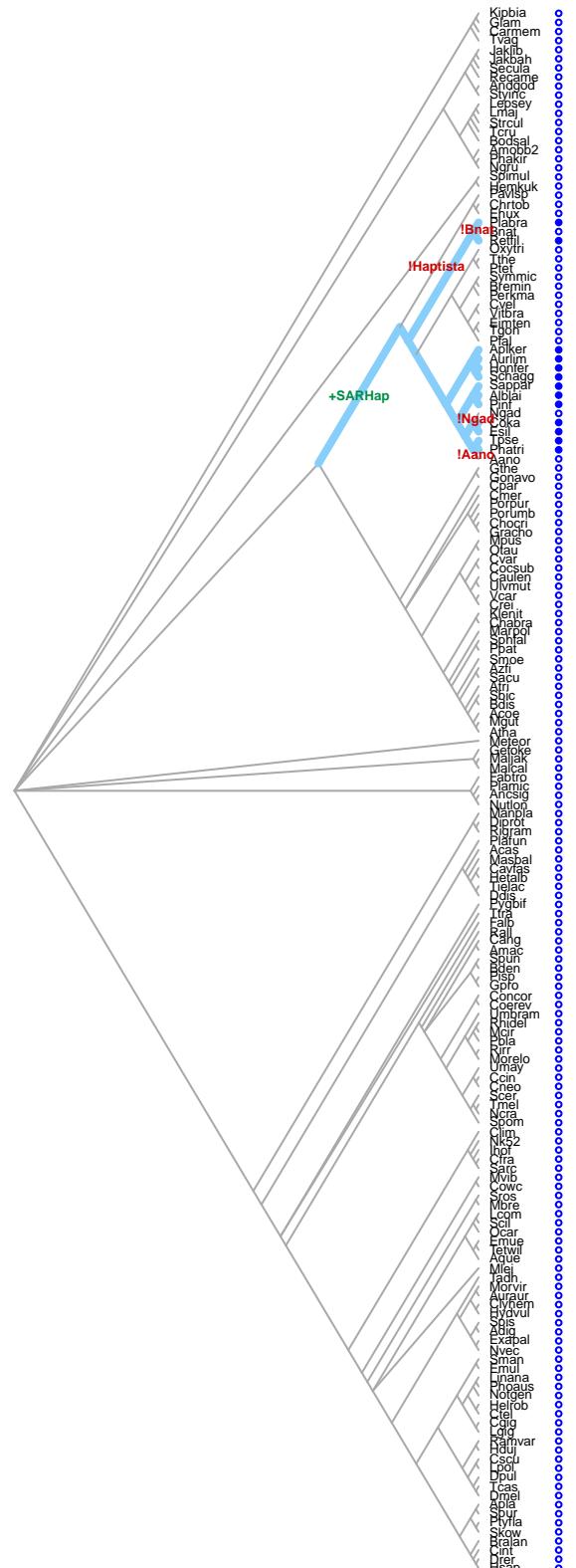
absent absent | n=1

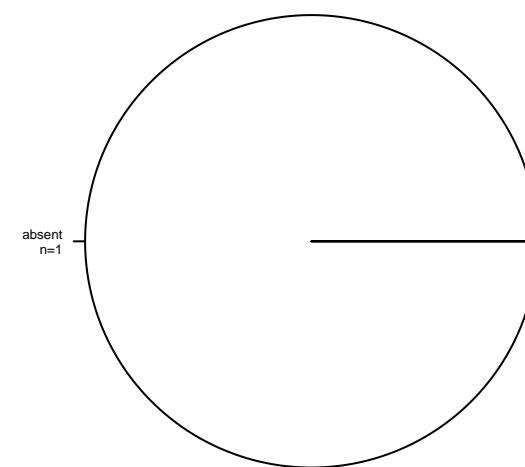
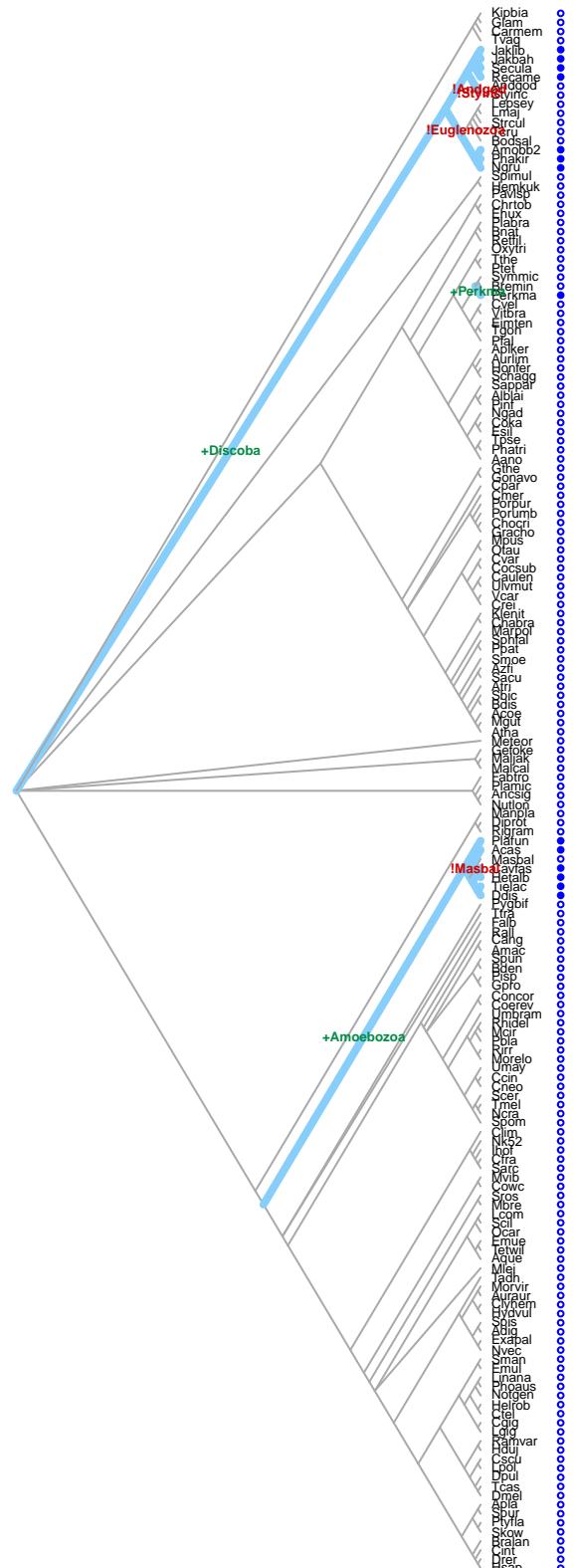
Gain: Azfi,Tvag,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



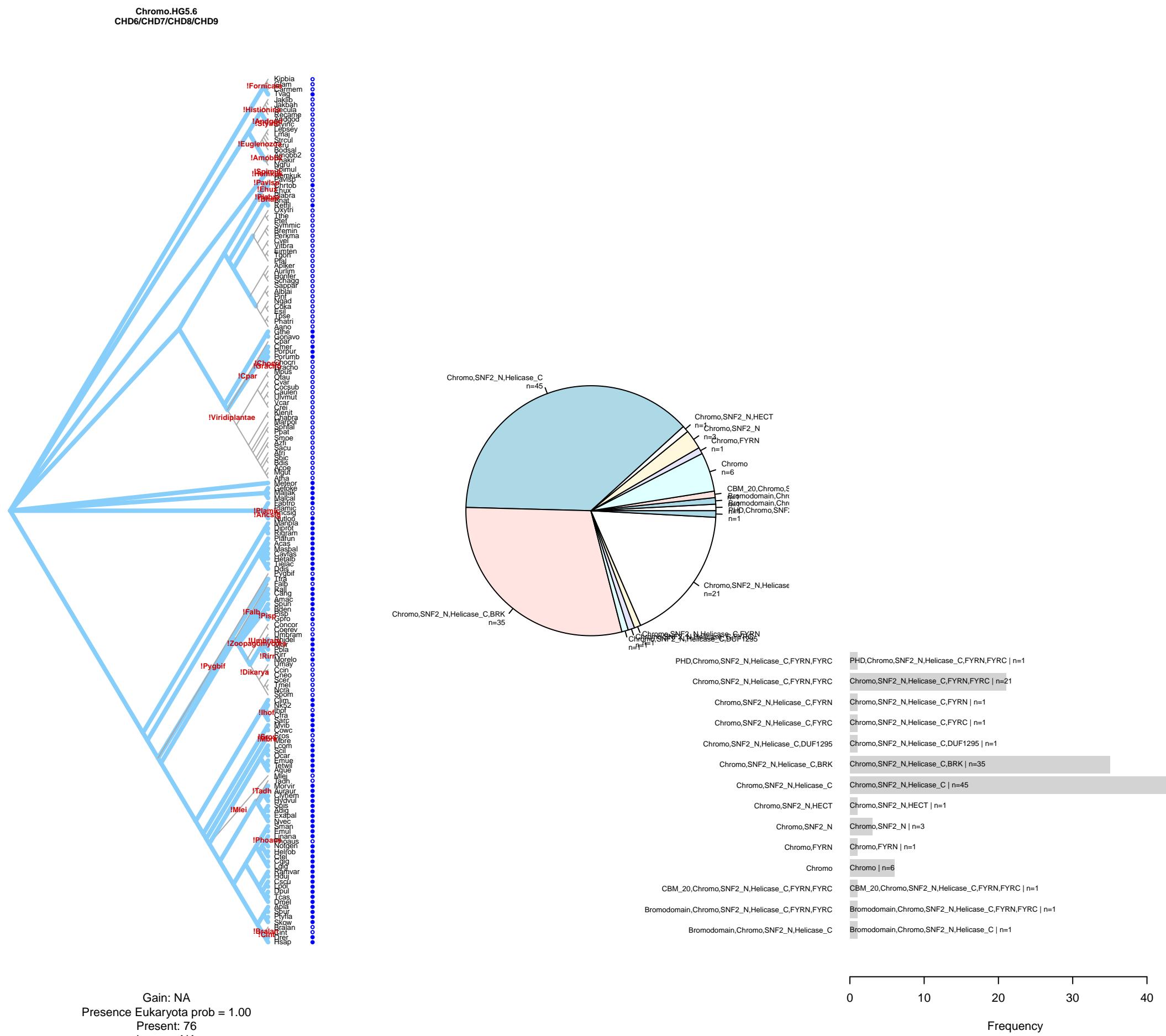




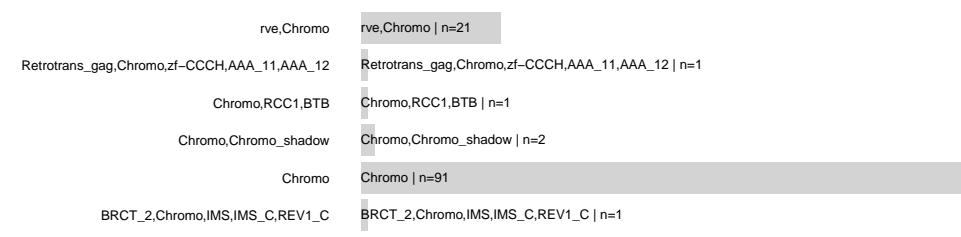
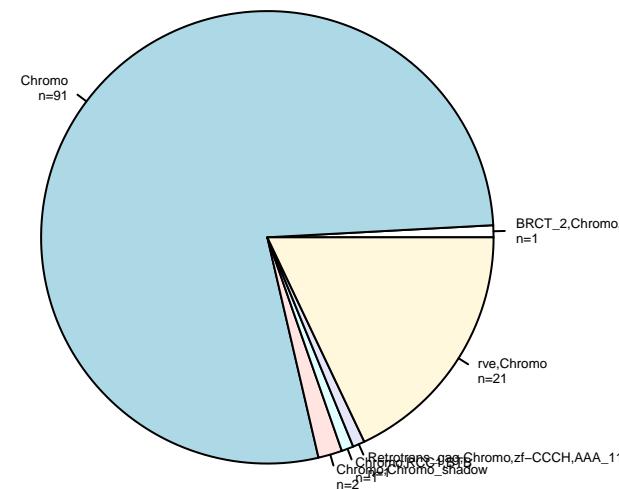
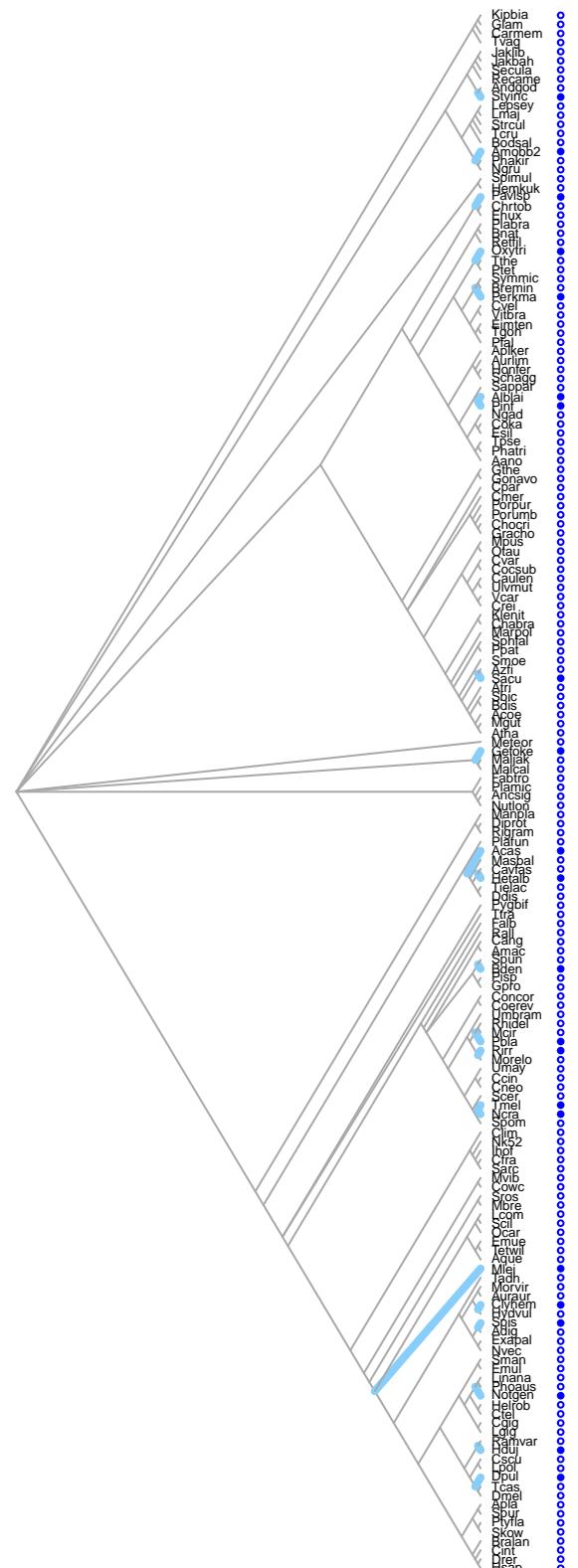




Gain: Amoebozoa, Perkma, Discoba, NA
Presence Eukaryota prob = 0.15
Present: 14
Losses: NA



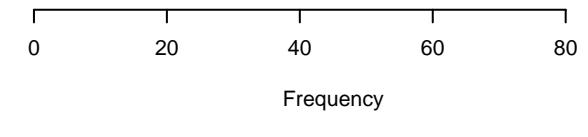
Chromo.HG6.0
NA

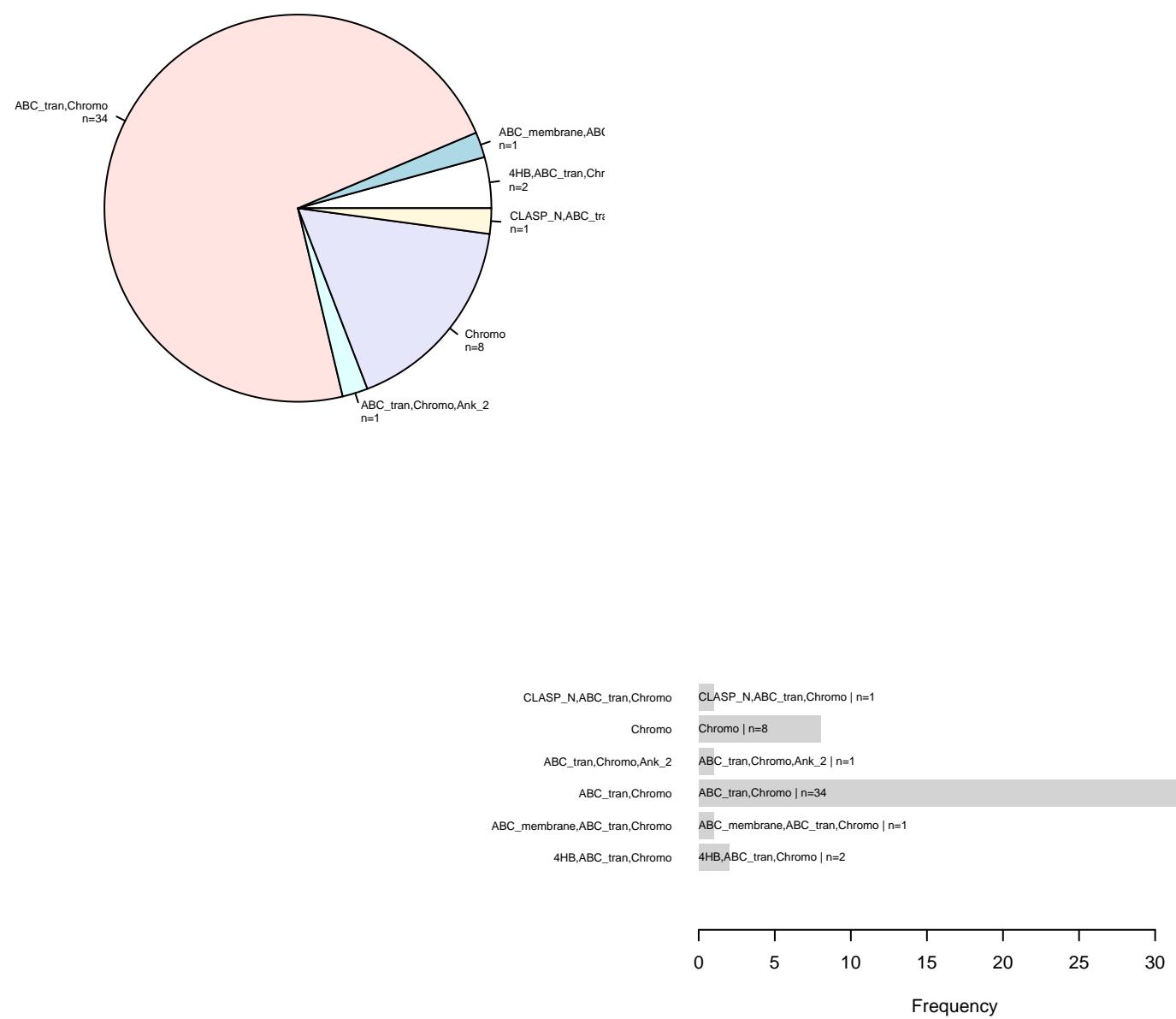
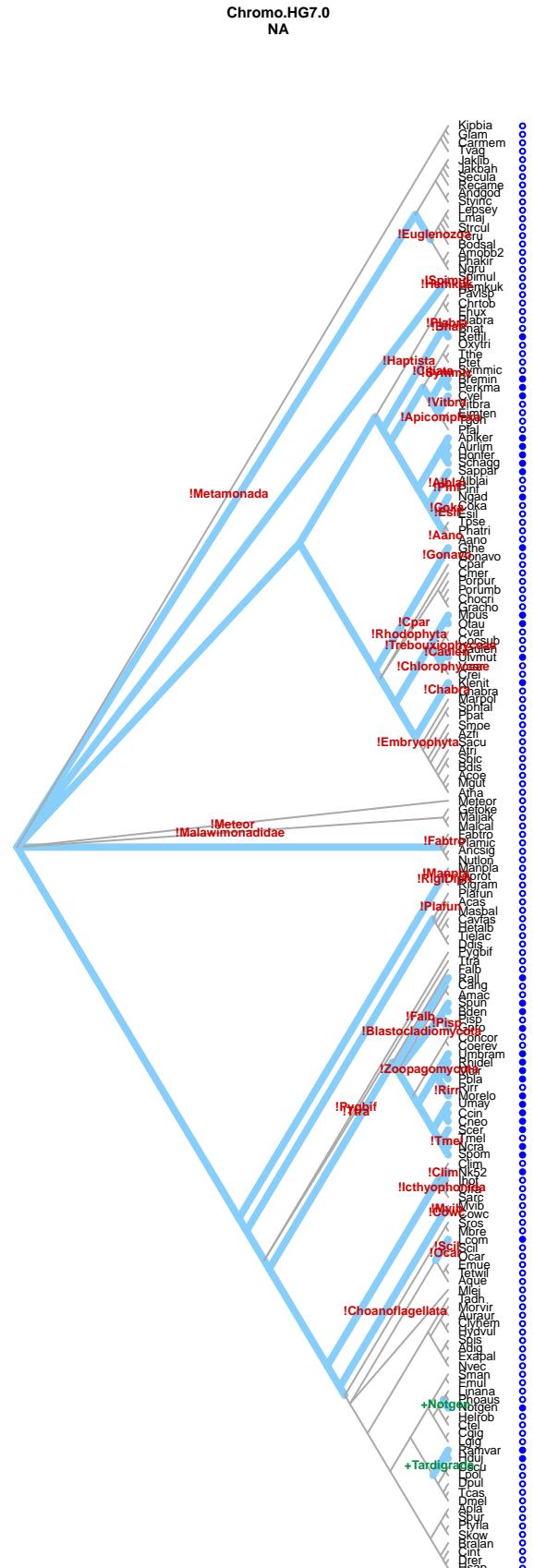


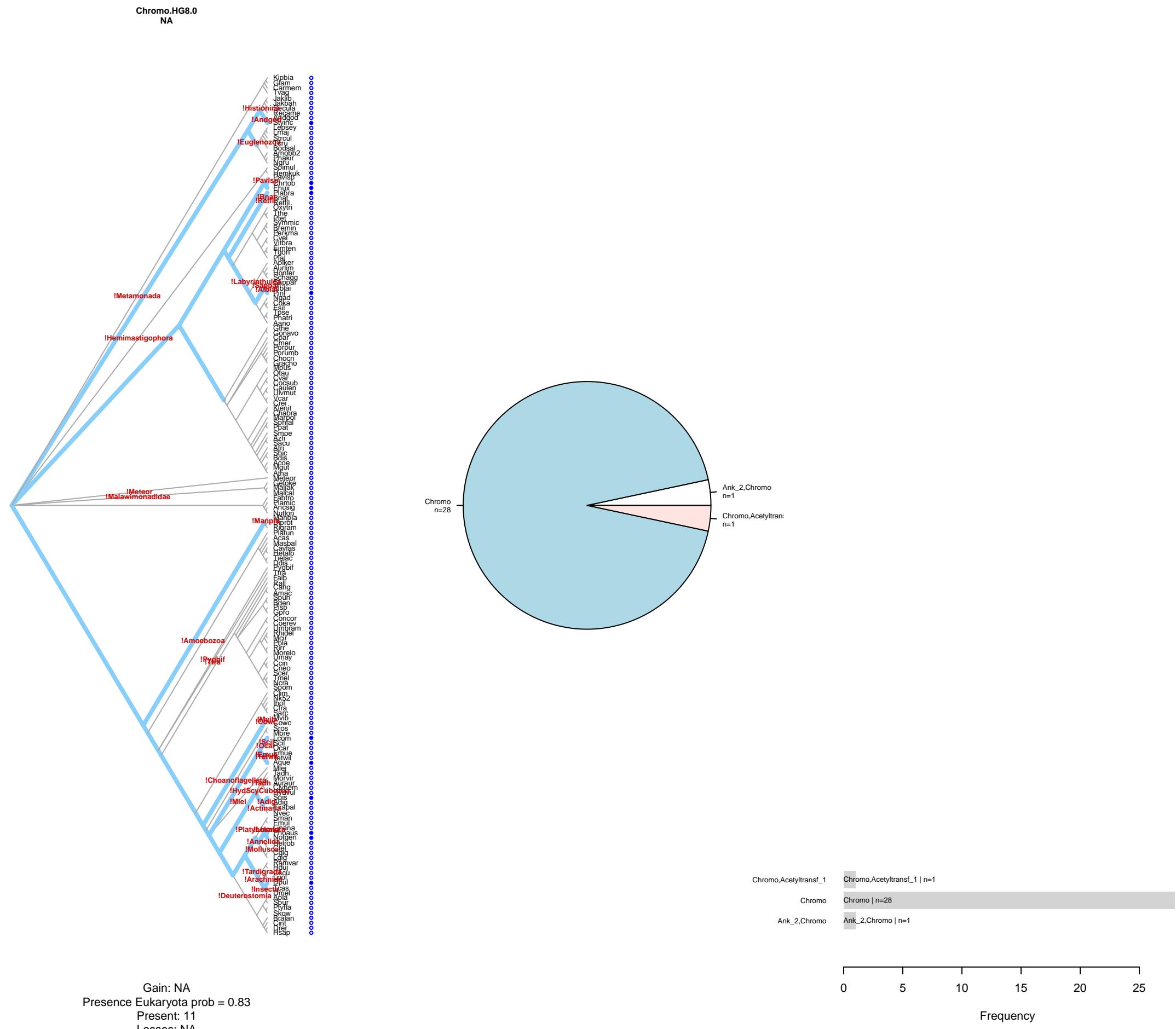
Presence Eukaryota prob = NaN

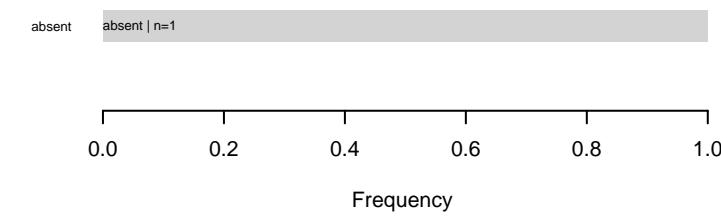
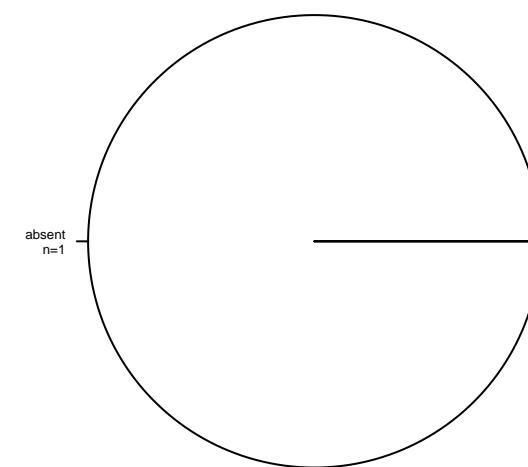
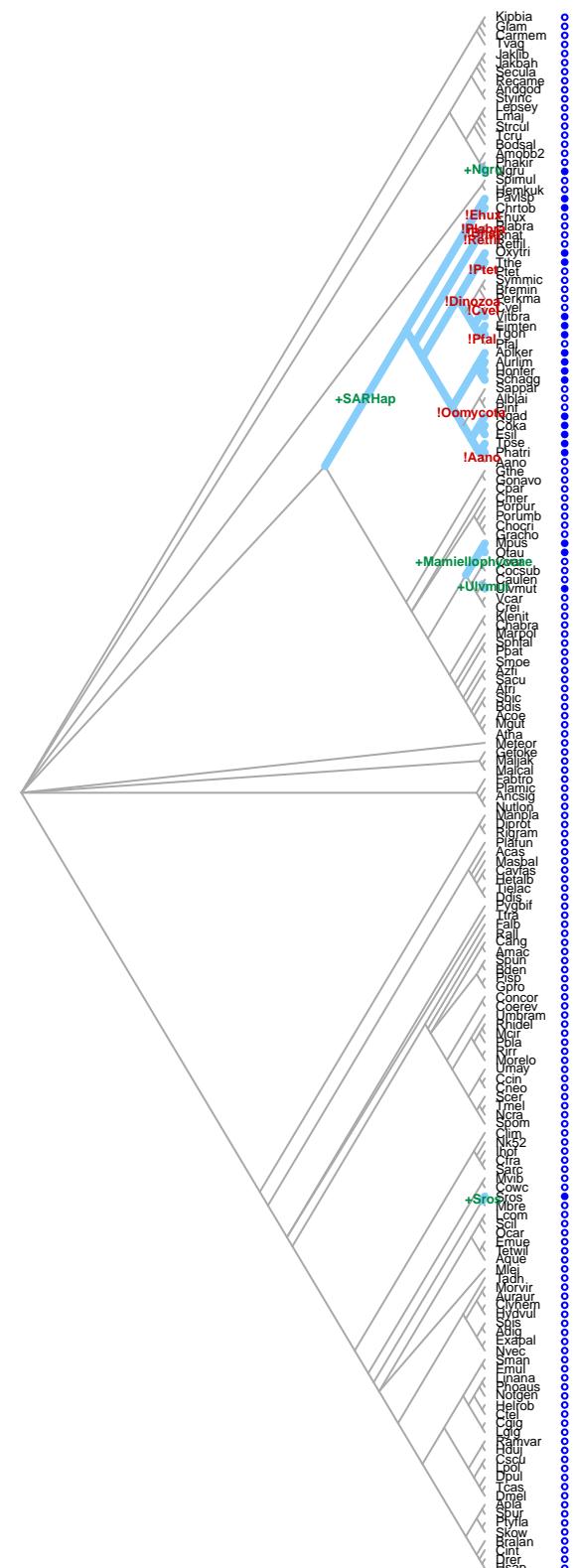
Present: 22

Losses: NA

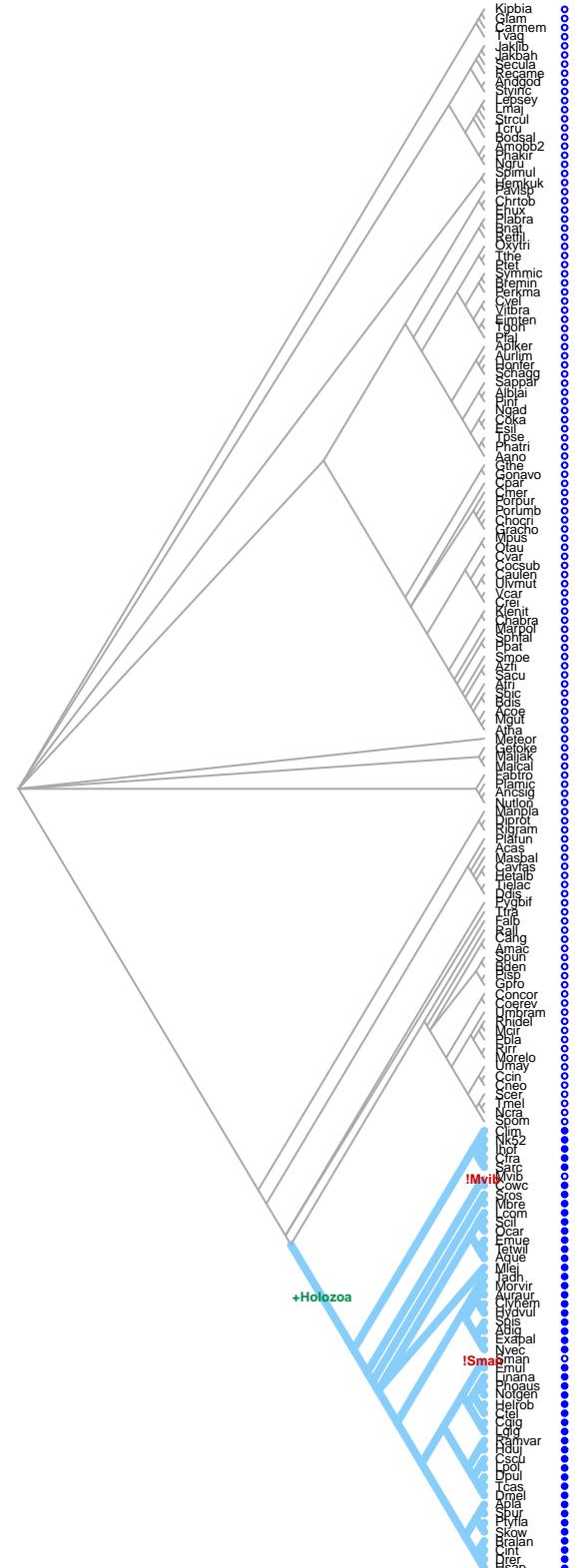




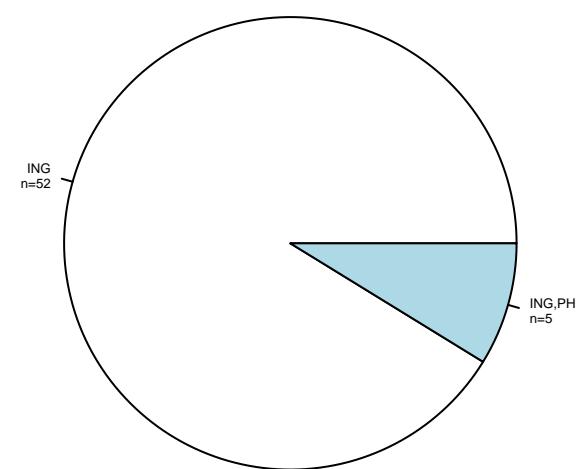




ING.HG1.1
ING3



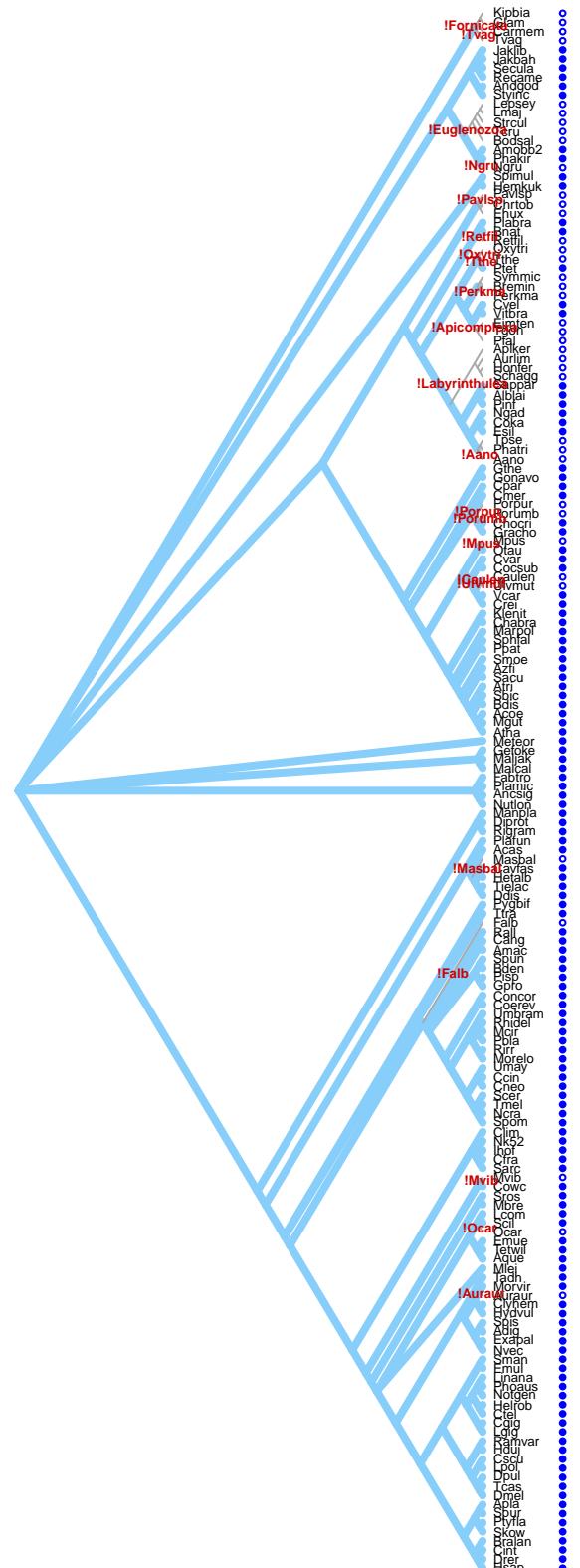
Gain: Holozoa, NA
Presence Eukaryota prob = 0.01
Present: 47
Losses: NA



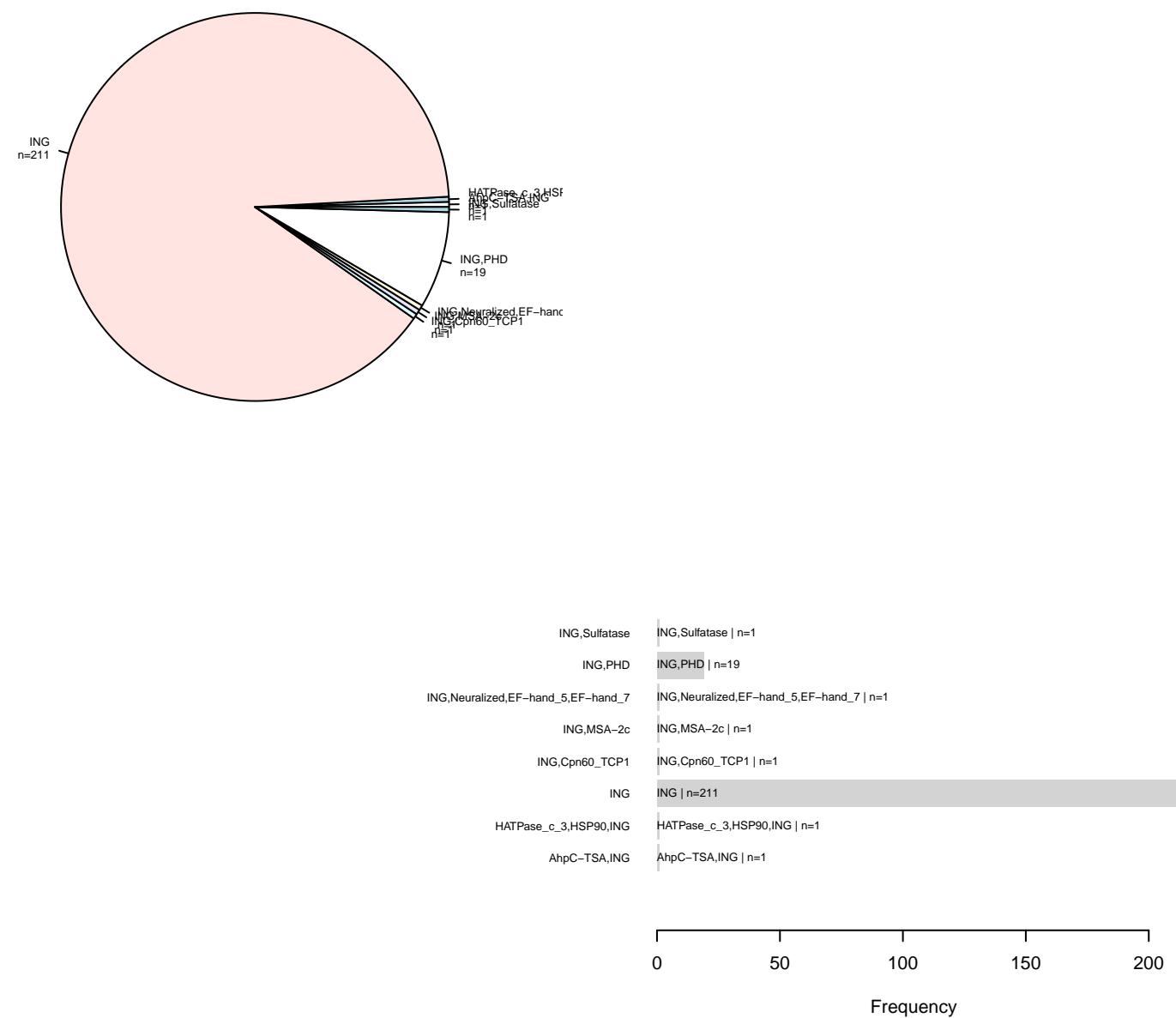
A bar chart titled 'Frequency' on the x-axis (ranging from 0 to 50) and 'Morpheme' on the y-axis. There are two bars: 'ING' (frequency ~52) and 'ING,PHD' (frequency ~5).

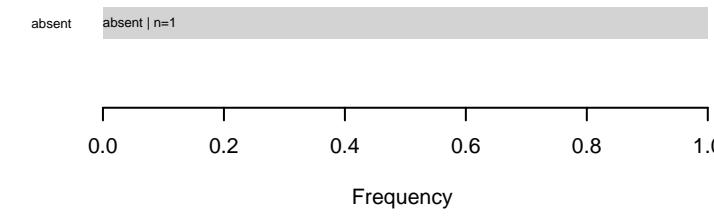
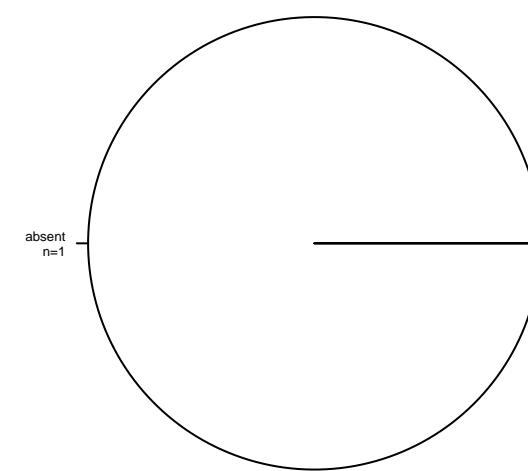
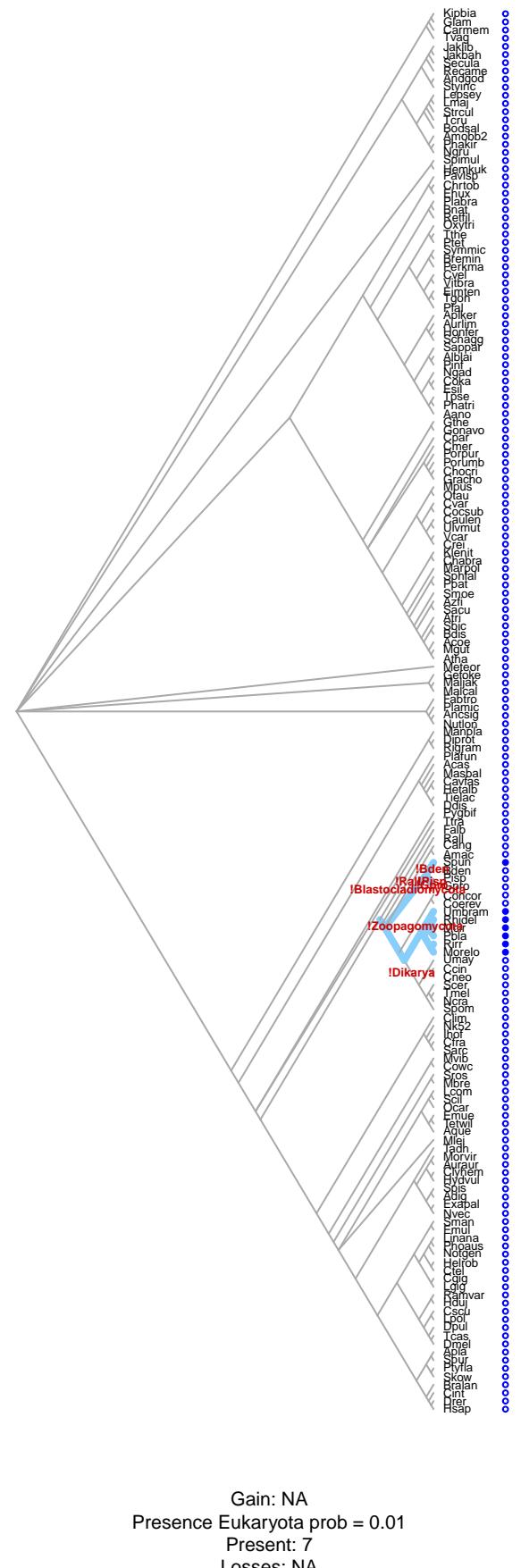
Morpheme	Frequency
ING	52
ING,PHD	5

ING.HG1.2
ING1/ING2/ING4/ING5

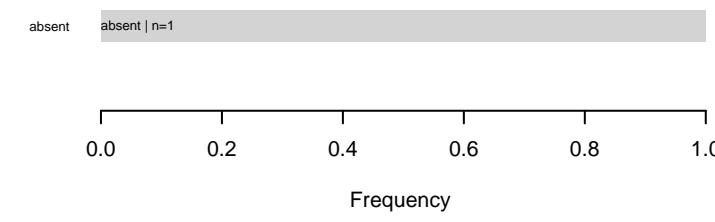
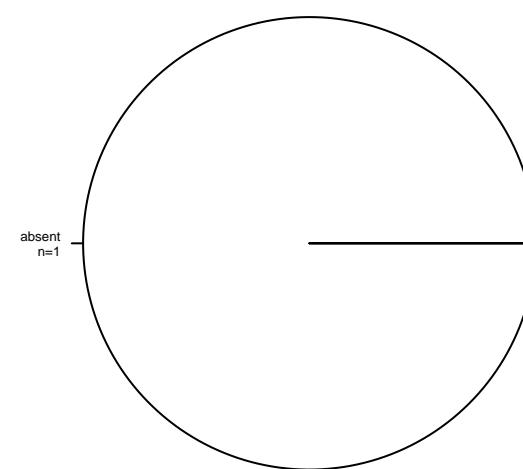
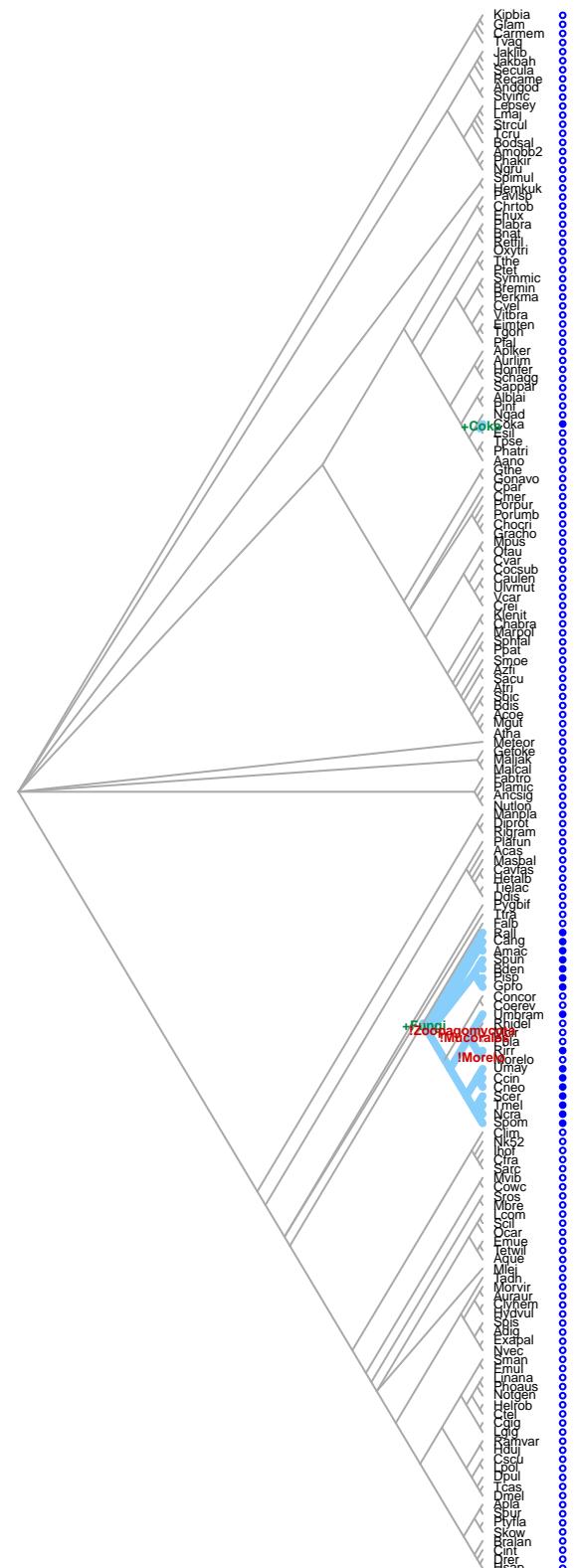


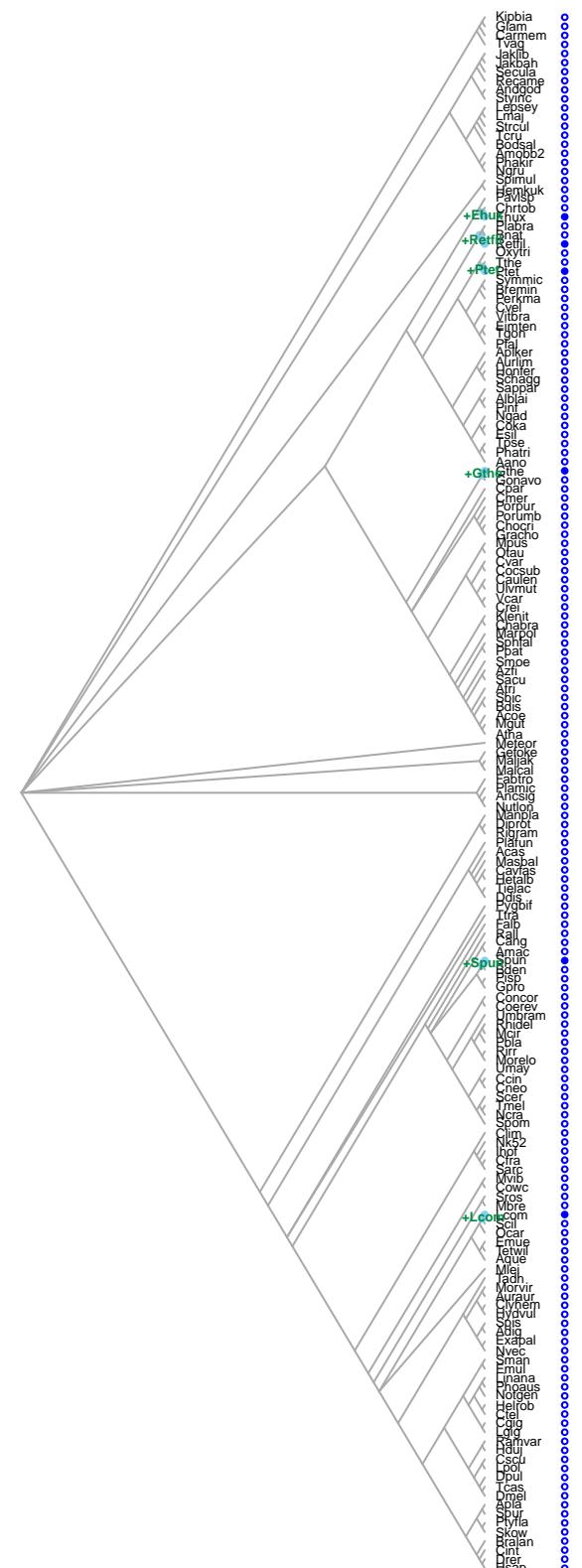
Gain: NA
Presence Eukaryota prob = 1.00
Present: 133
Losses: NA





ING.HG1.4
like:ING1/ING2/ING3/ING4/ING5



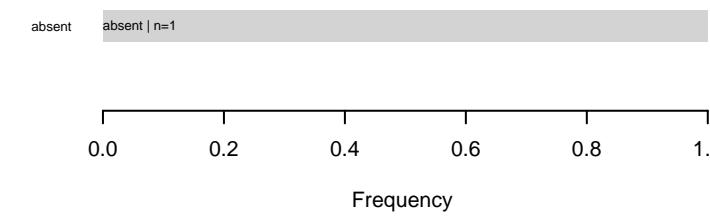
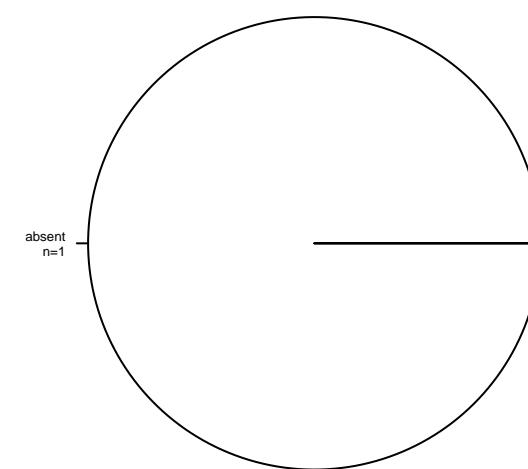


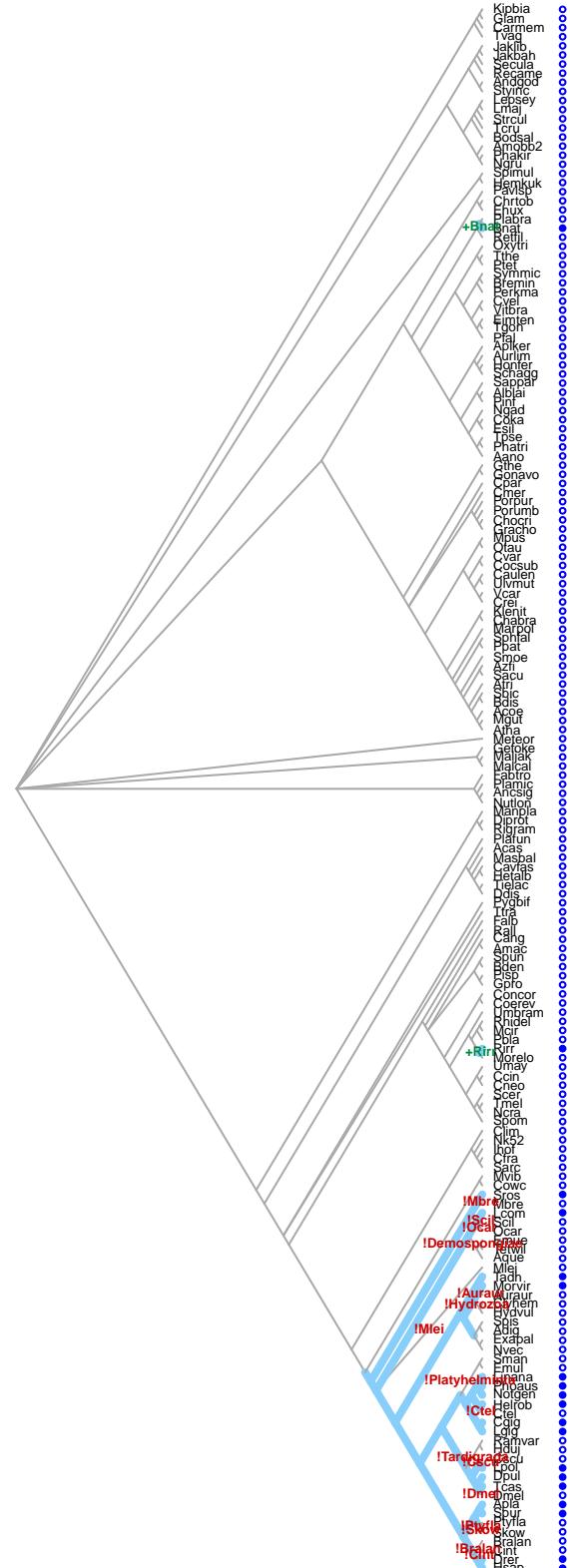
Gain: Lcom, Spun, Gthe, Ptet, Retfil, Ehux, NA

Presence Eukaryota prob = 0.03

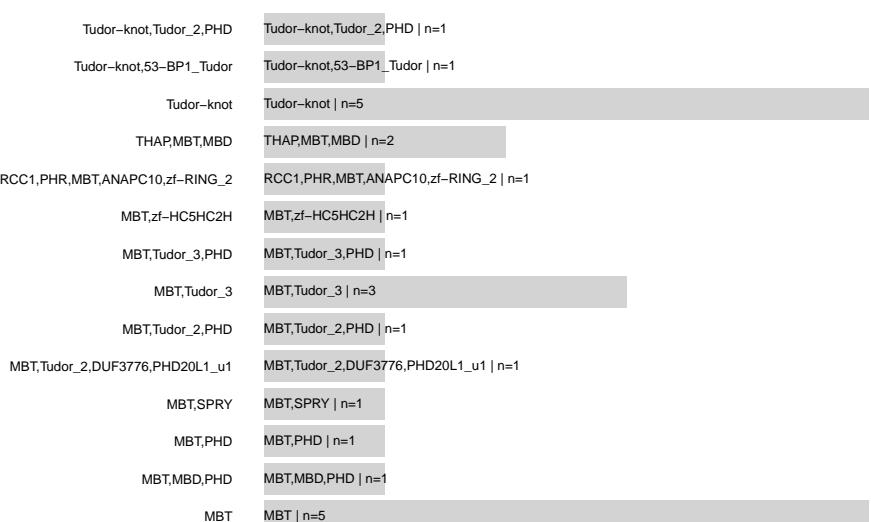
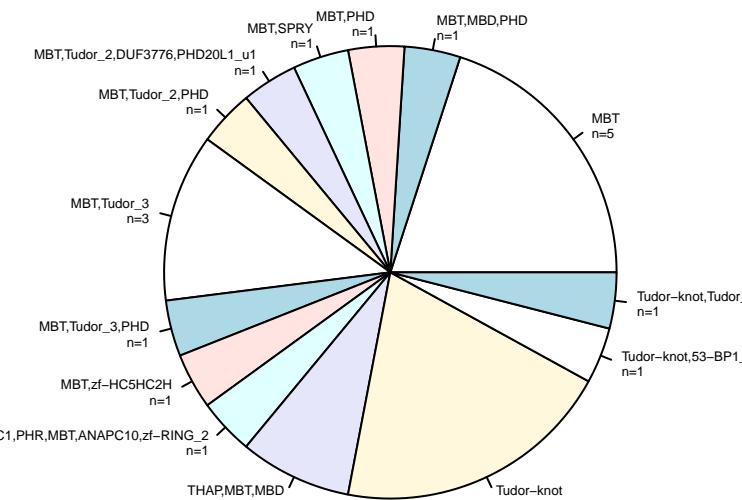
Present: 6

Losses: NA

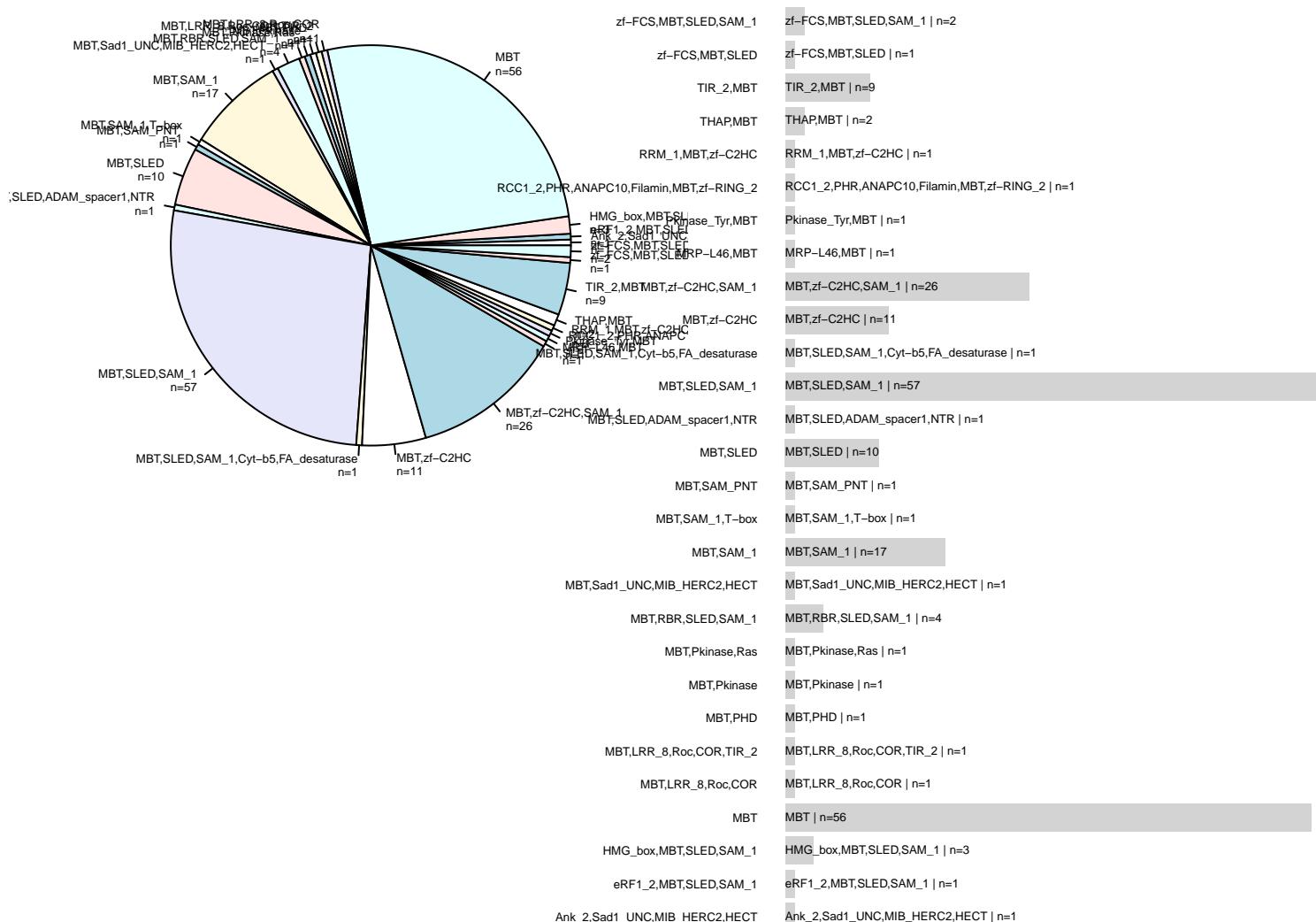
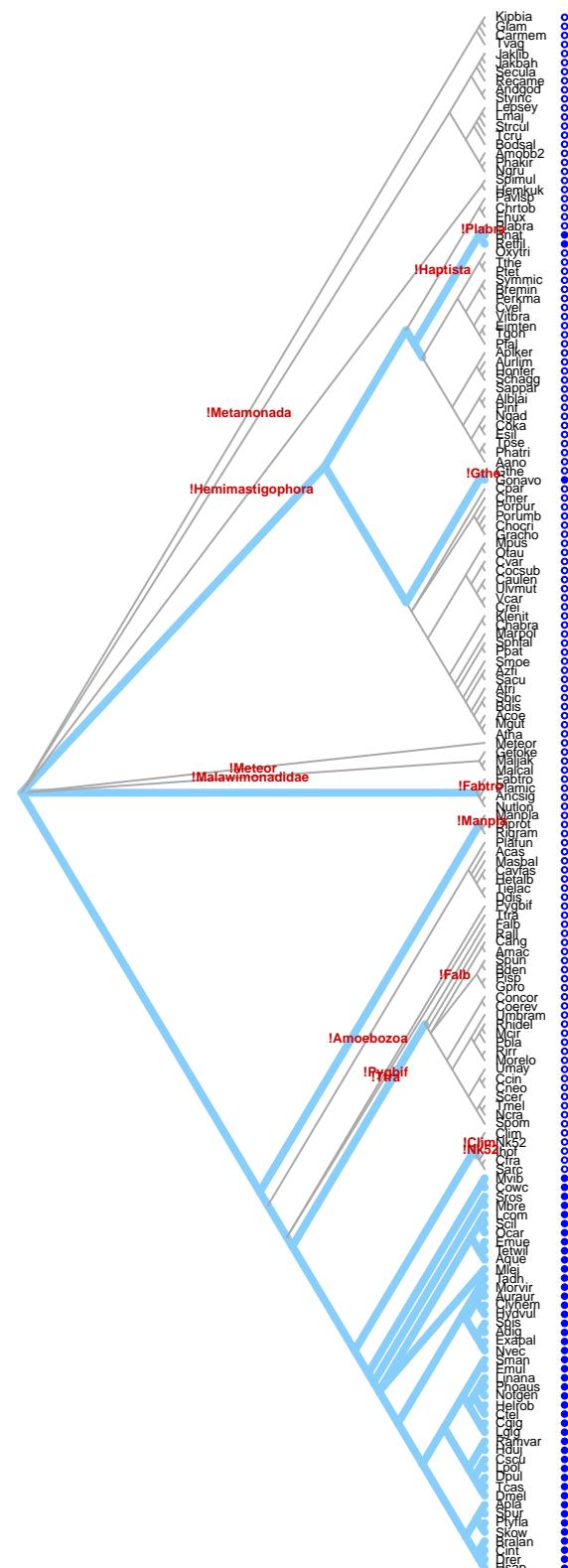




Gain: Rirr,Bnat,NA
Presence Eukaryota prob = 0.03
Present: 19
Losses: NA

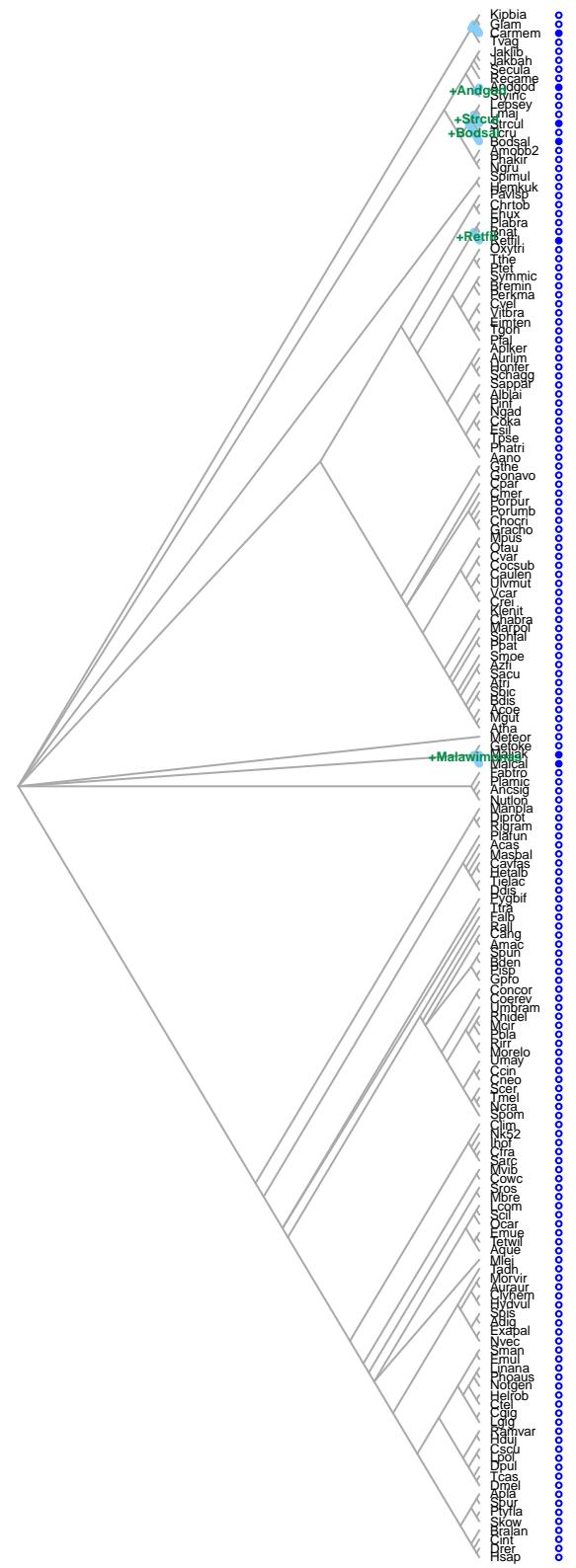


0 1 2 3 4 5
Frequency



0 10 20 30 40 50

Frequency

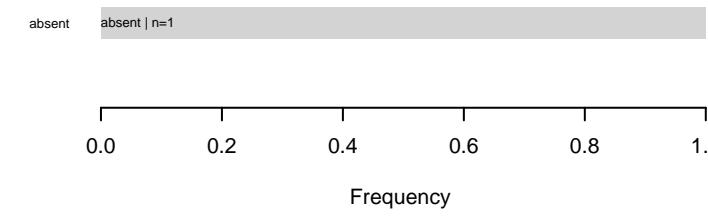
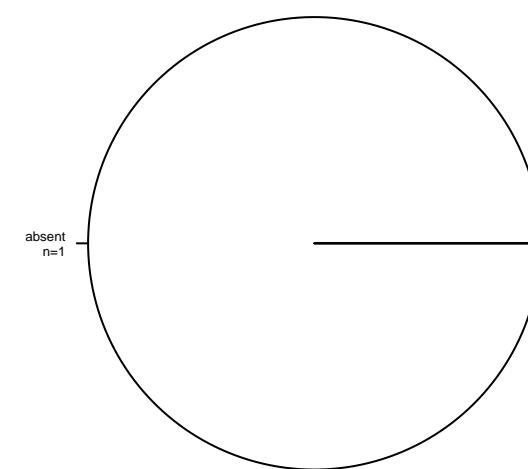


Gain: Malawimonas,Retfil,Bodsal,Strcul,Andgod,NA

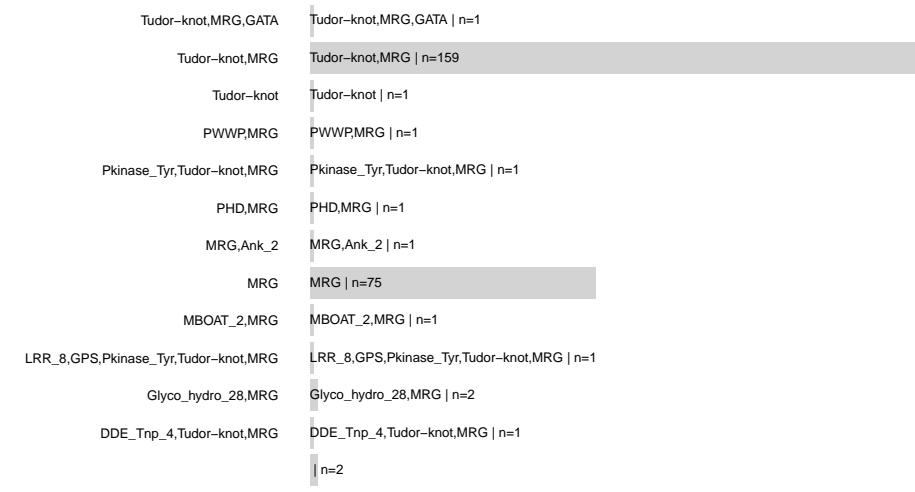
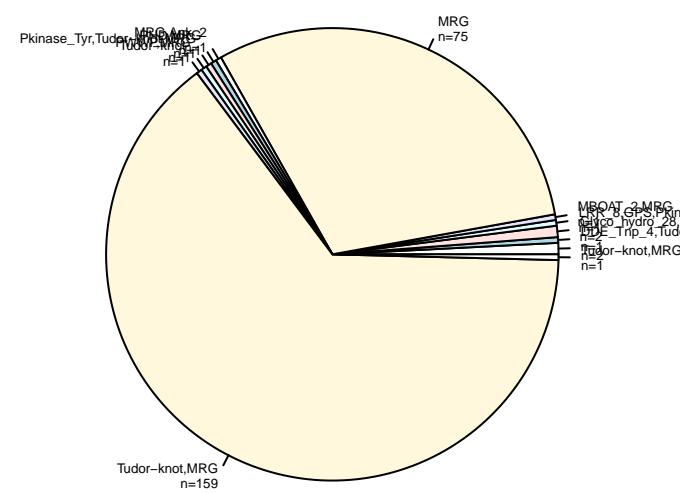
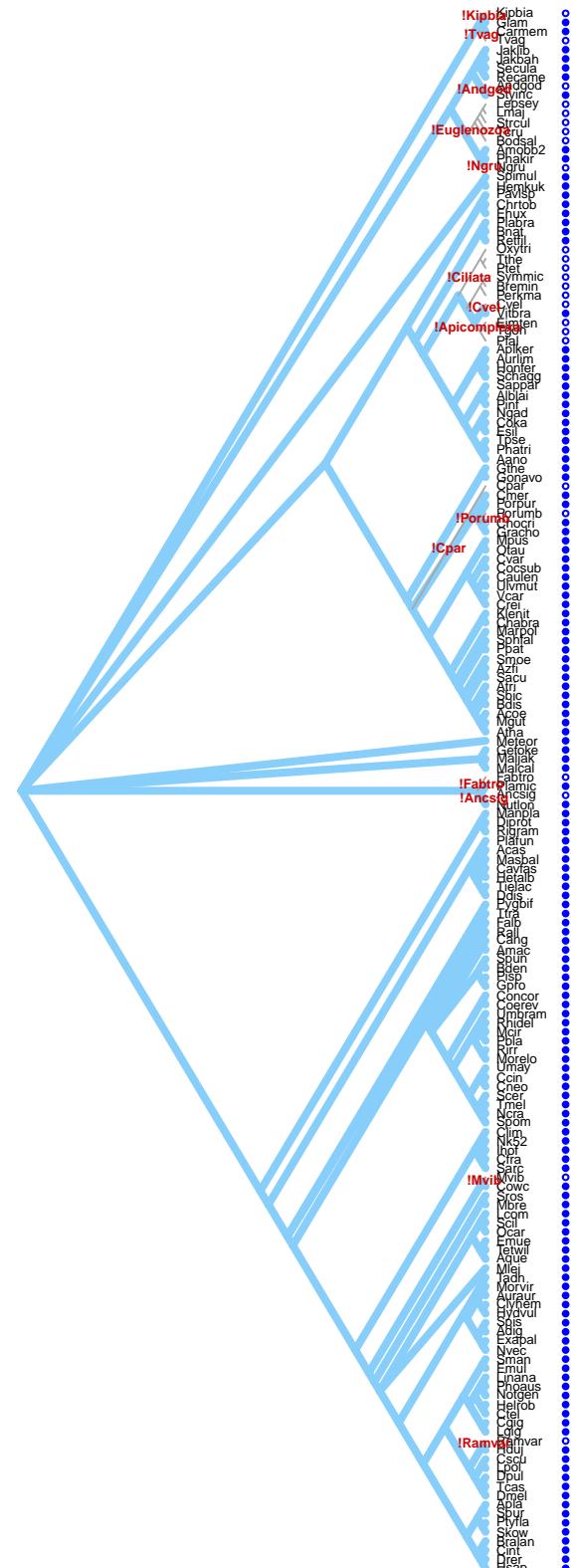
Presence Eukaryota prob = 0.02

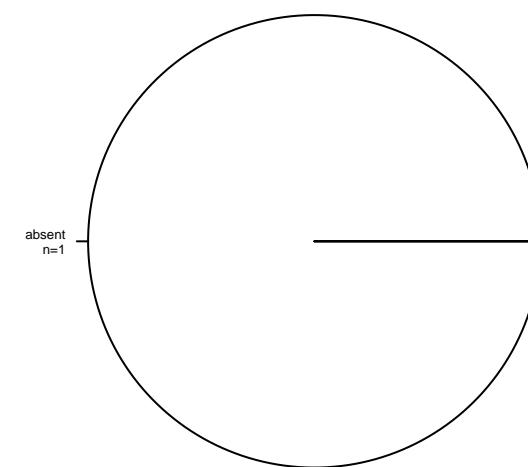
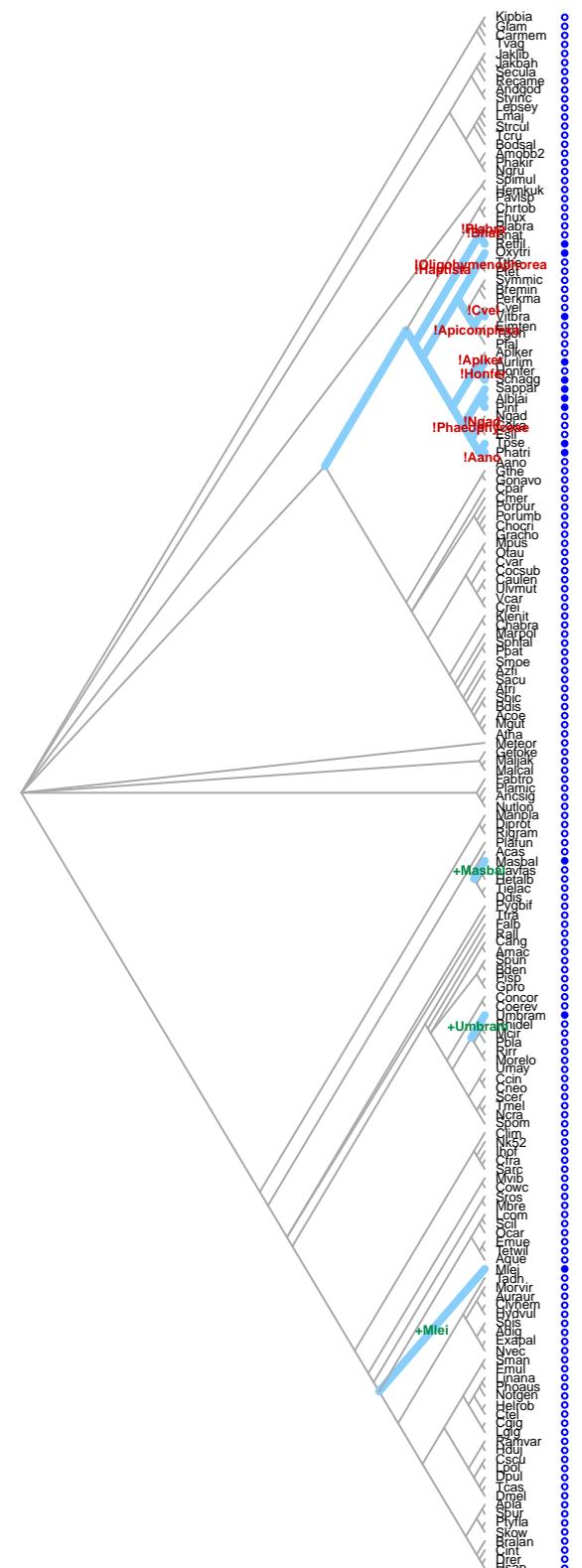
Present: 7

Losses: NA



MRG.HG1.1
MORF4L1/MORF4L2/MSL3



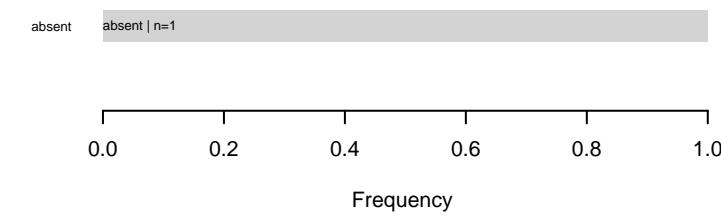


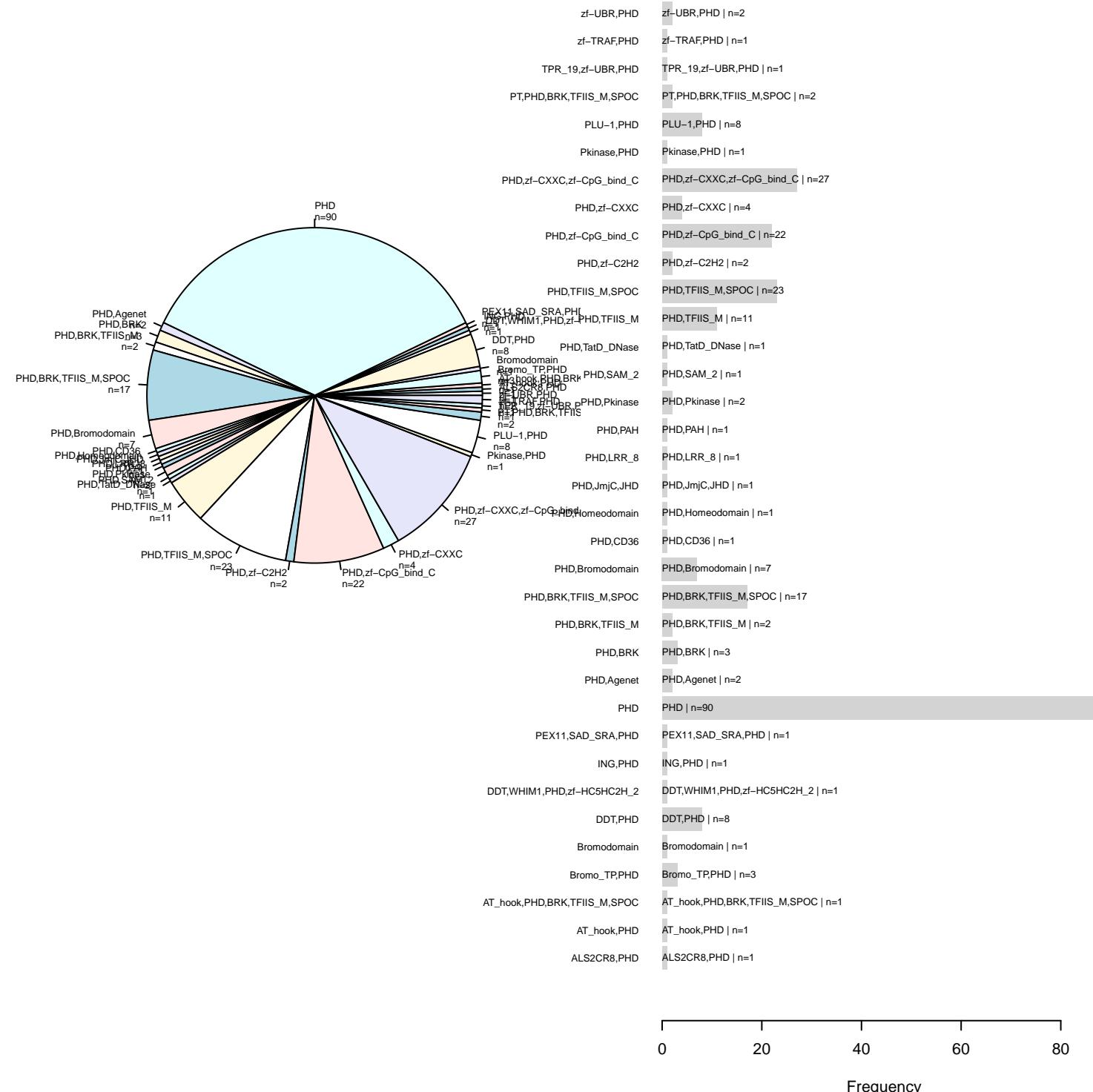
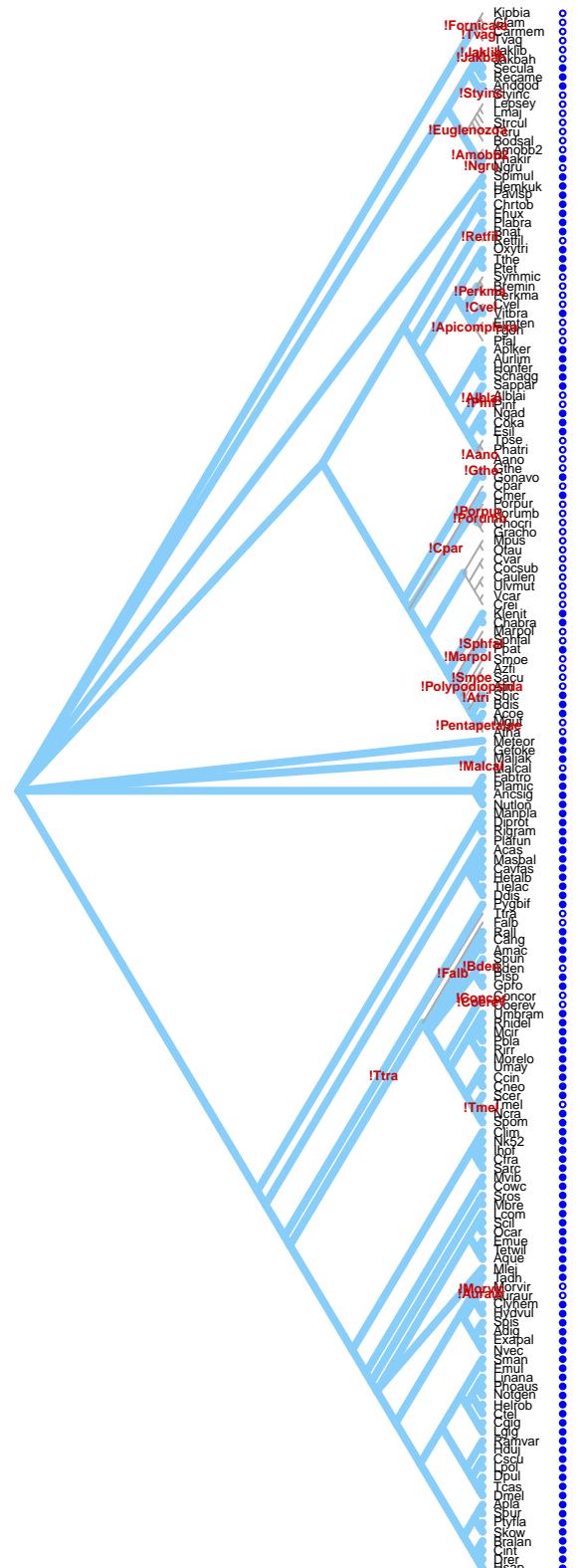
Gain: Mlei, Umbram, Masbal, NA

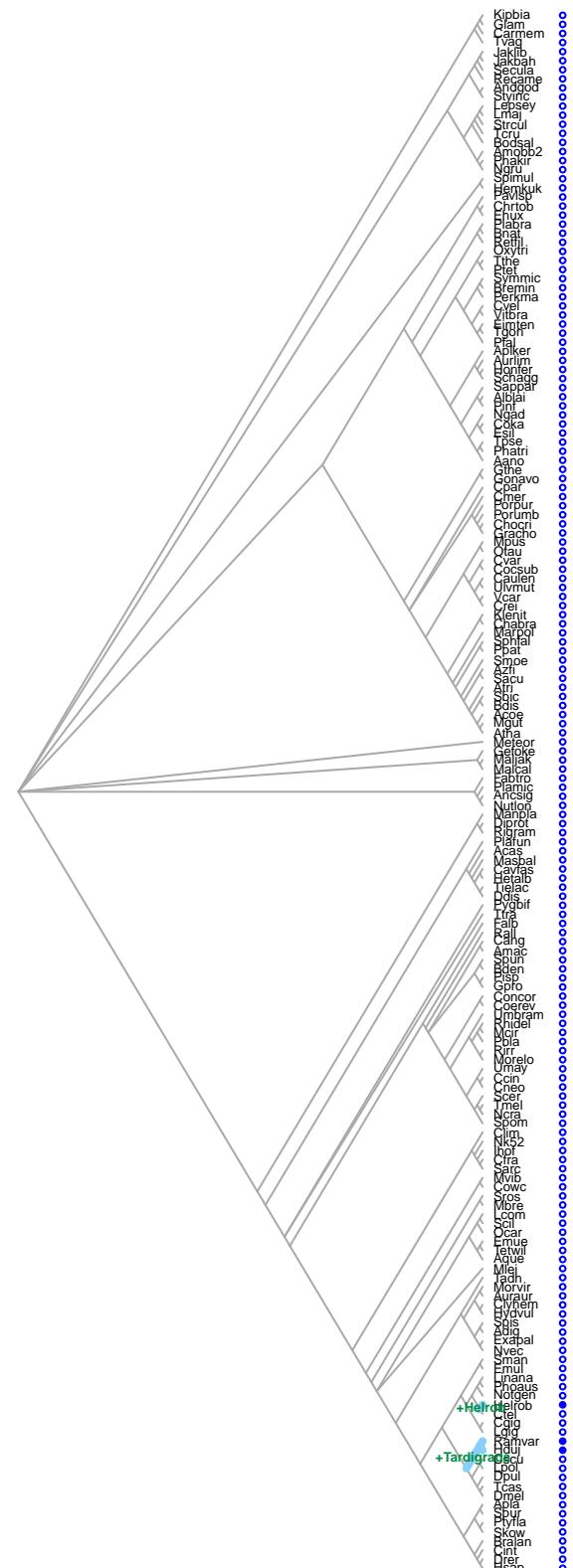
Presence Eukaryota prob = 0.07

Present: 13

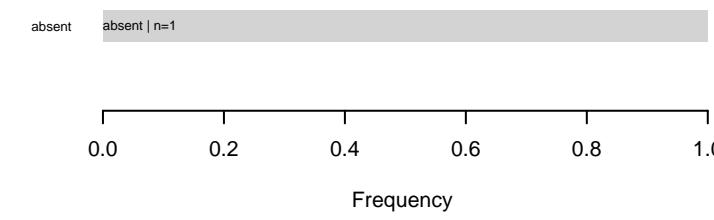
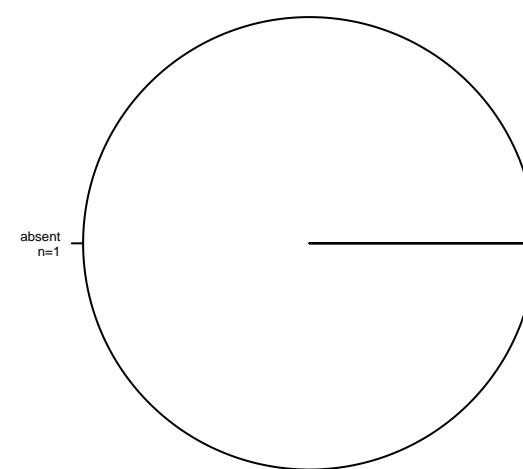
Losses: NA

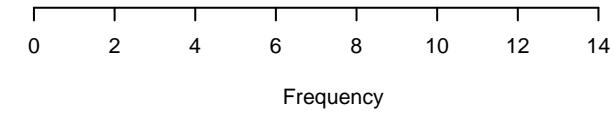
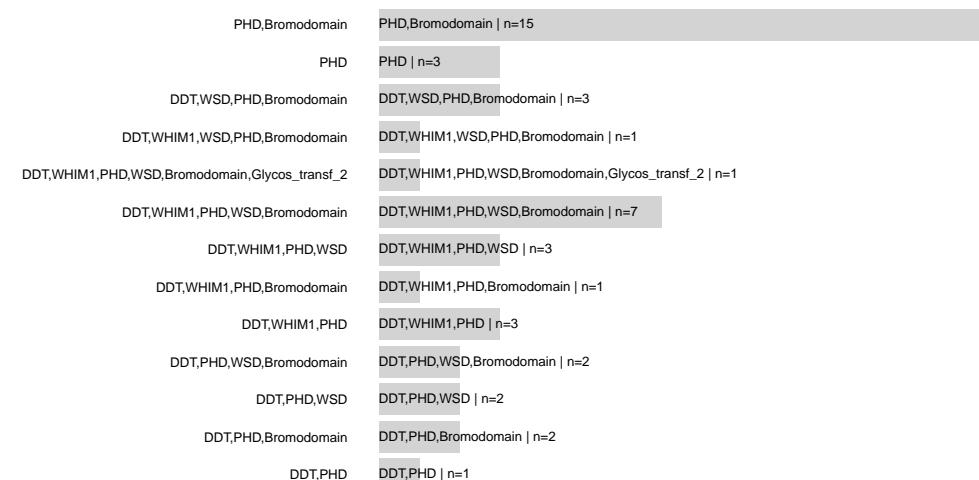
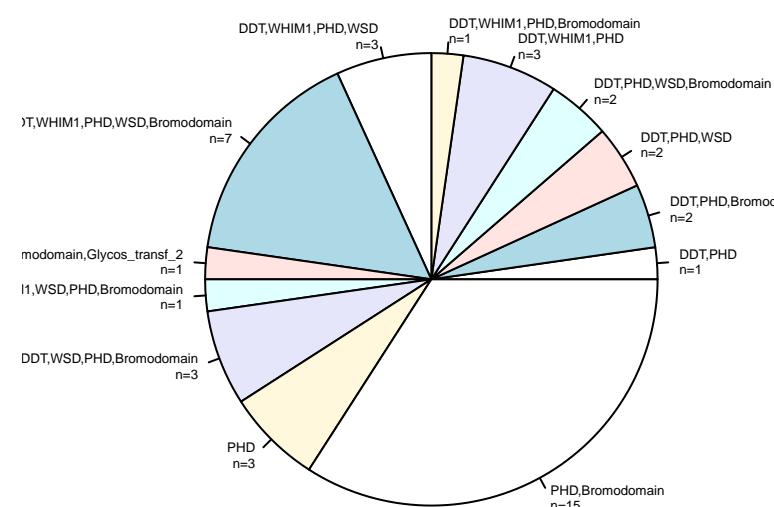
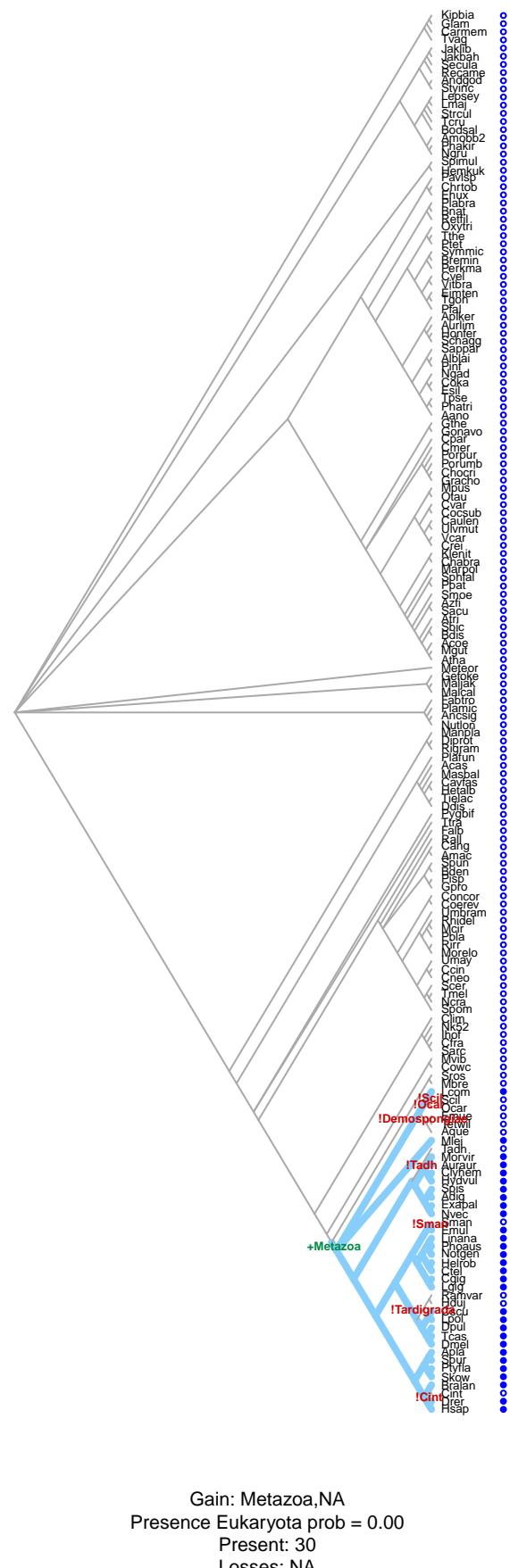


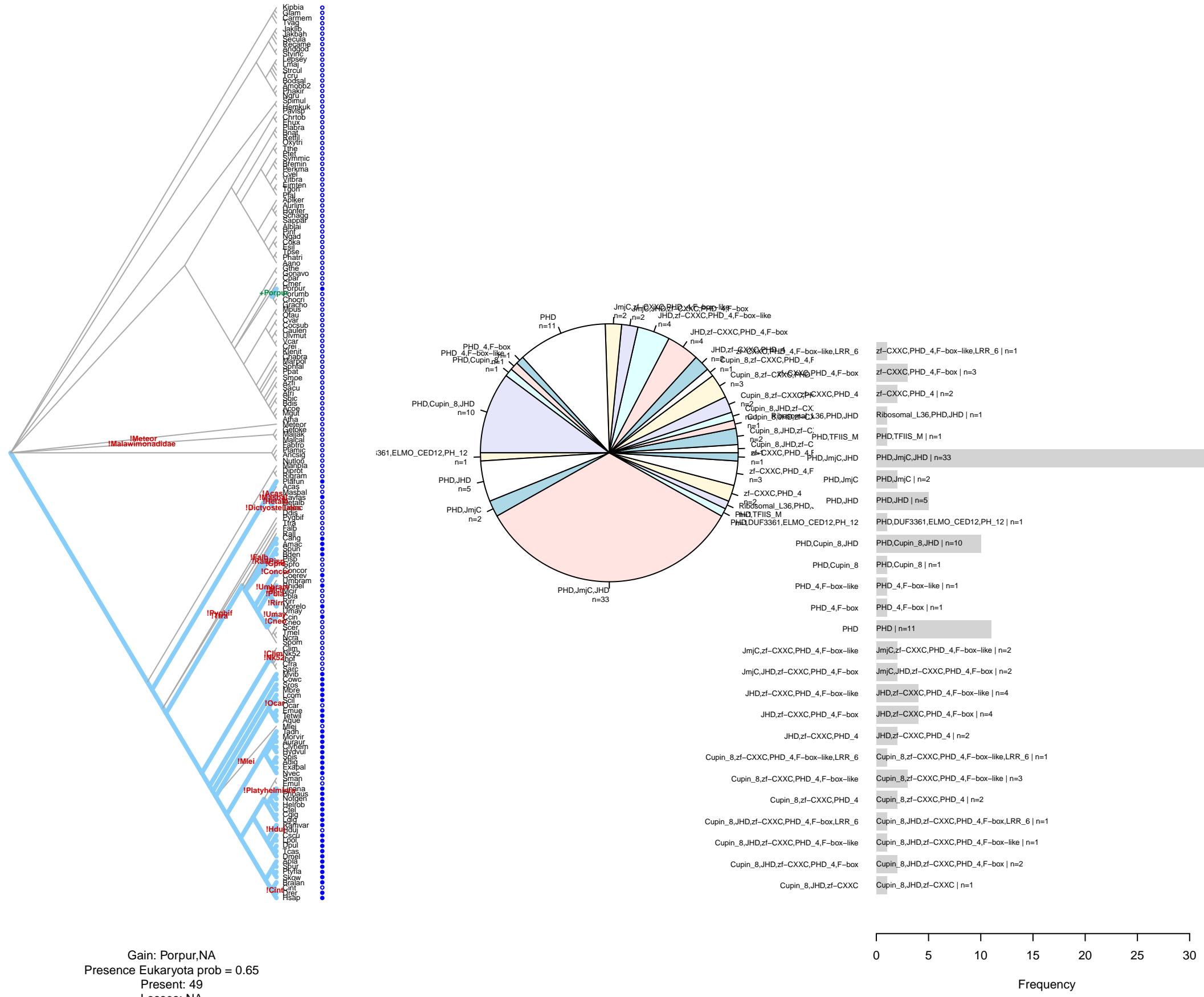


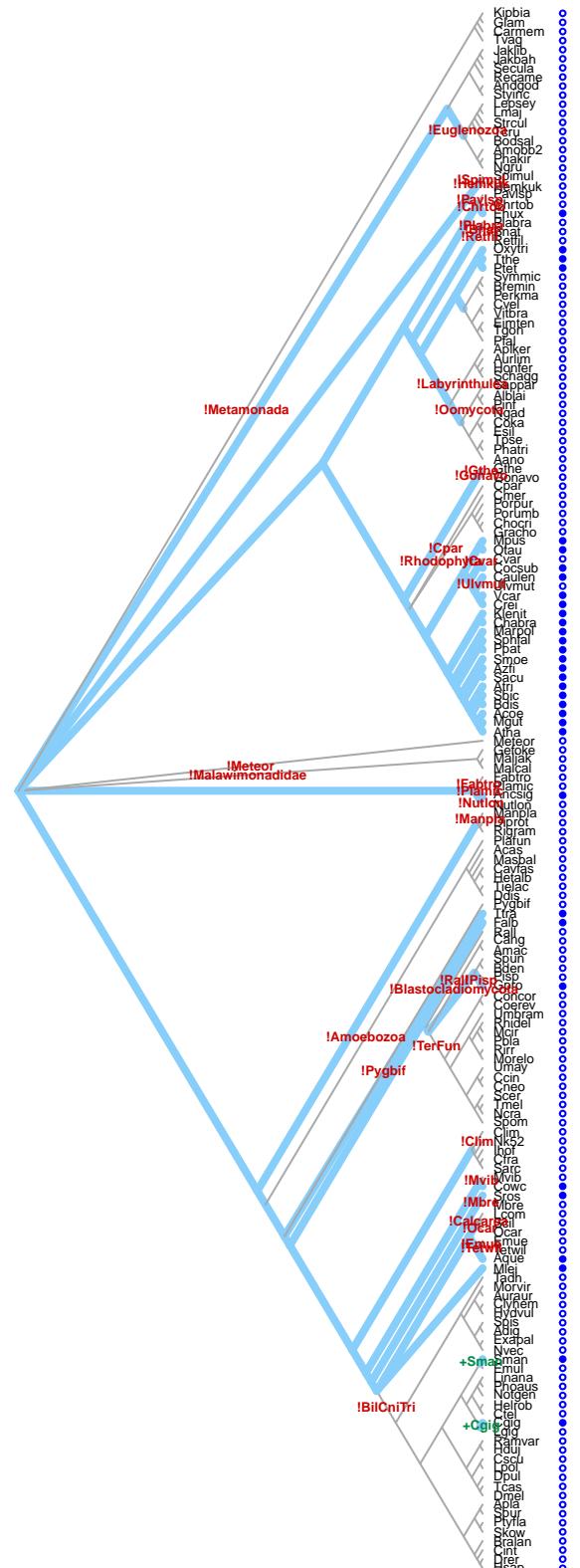


Gain: Tardigrada,Helrob,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

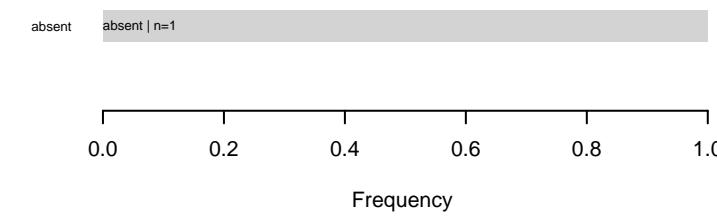
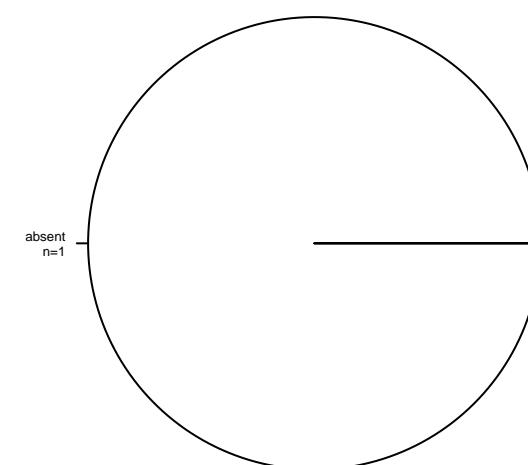


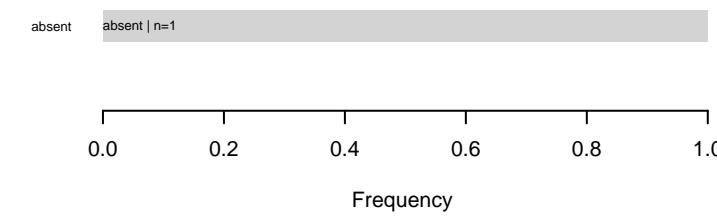
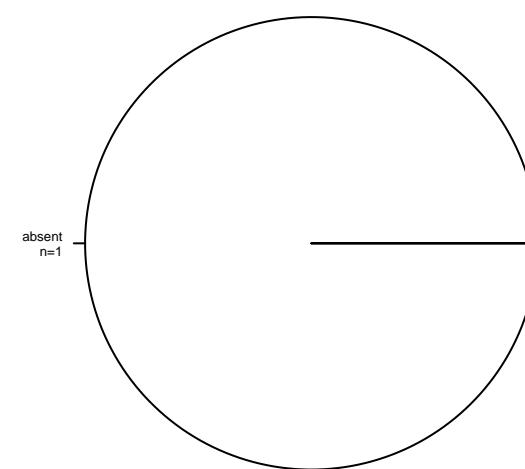
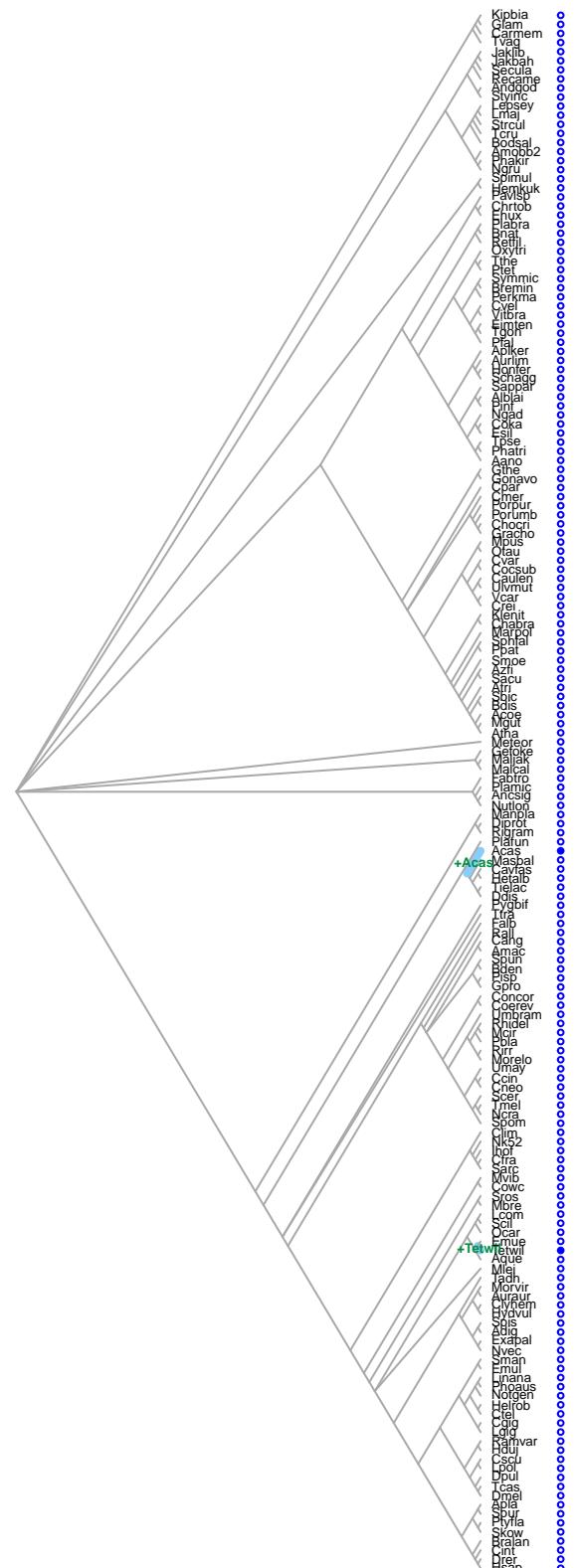


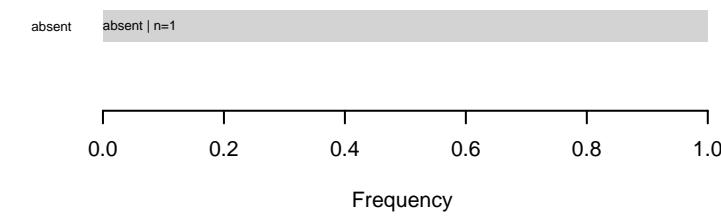
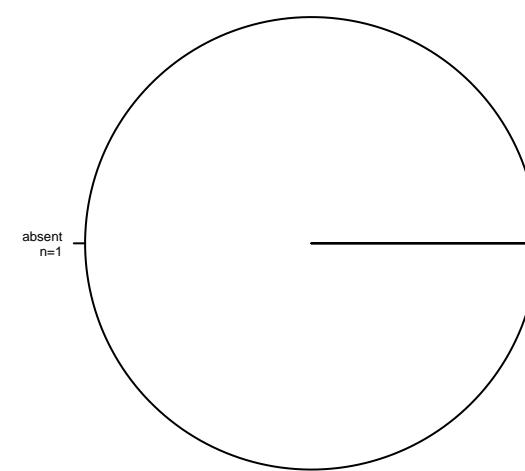
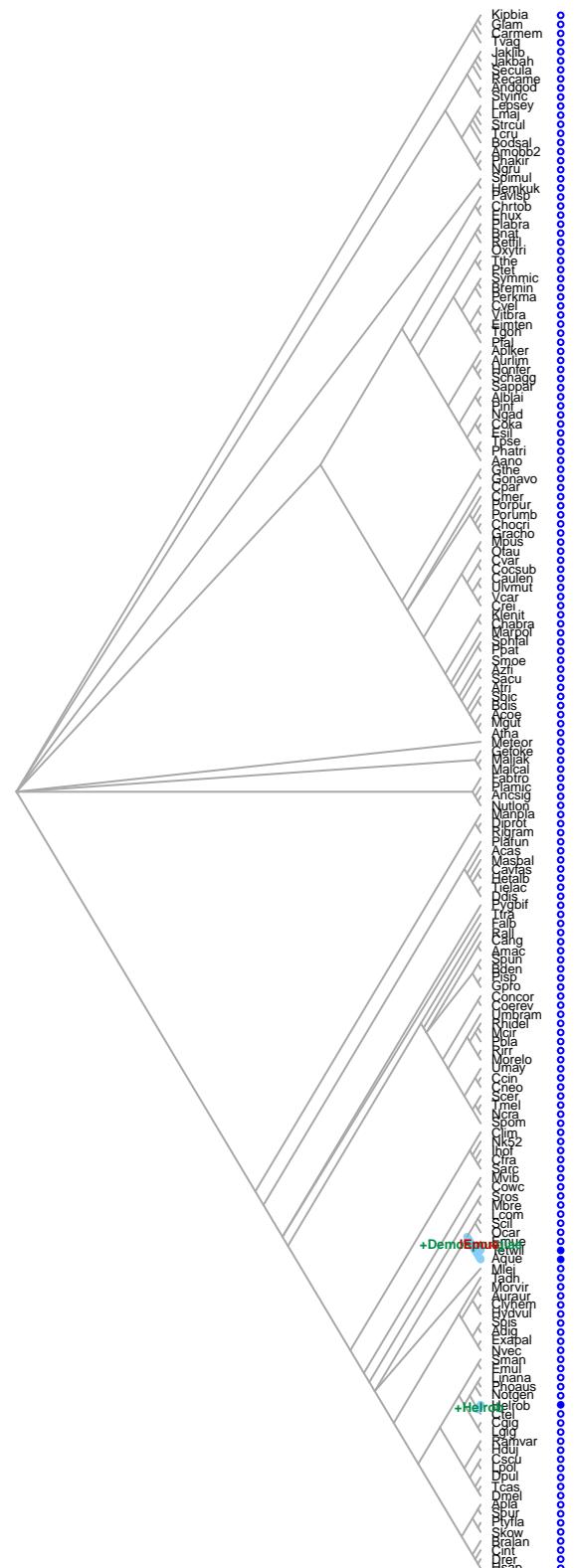


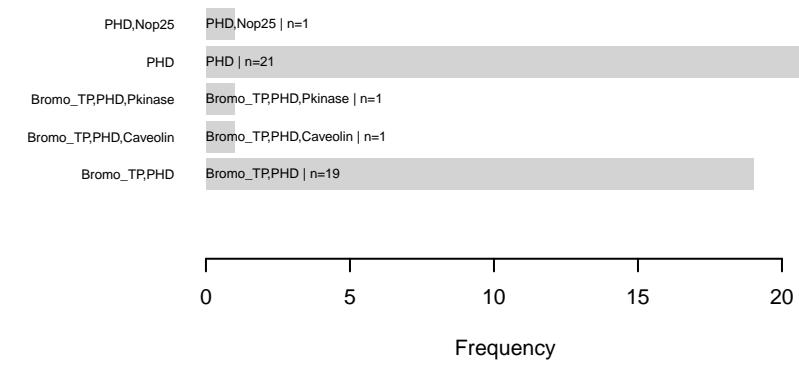
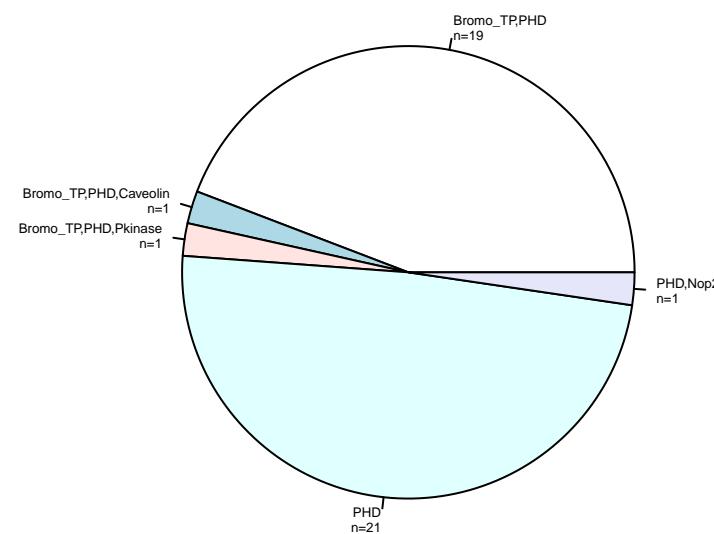
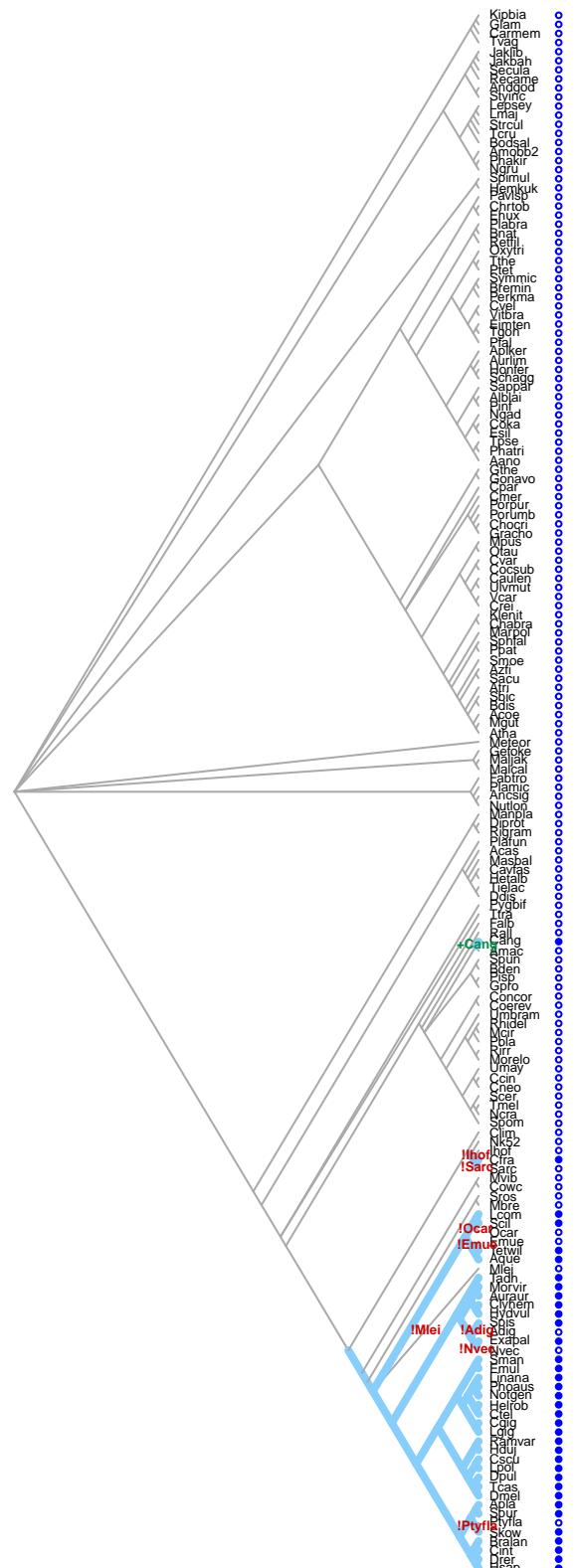


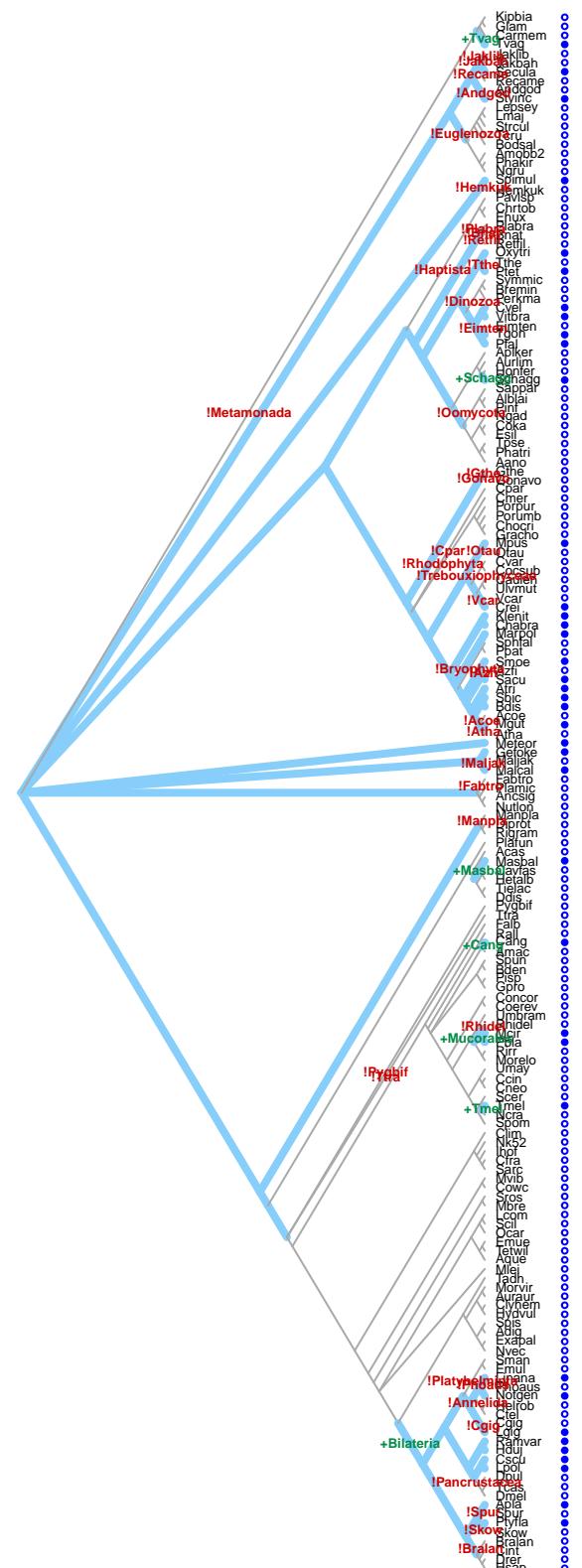
Gain: Cgig,Sman,NA
Presence Eukaryota prob = 1.00
Present: 34
Losses: NA









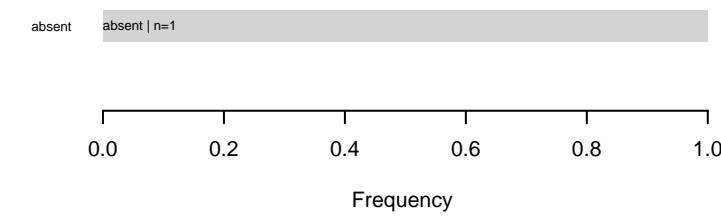
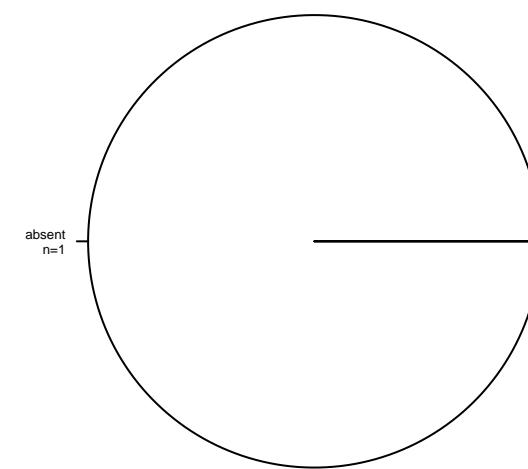


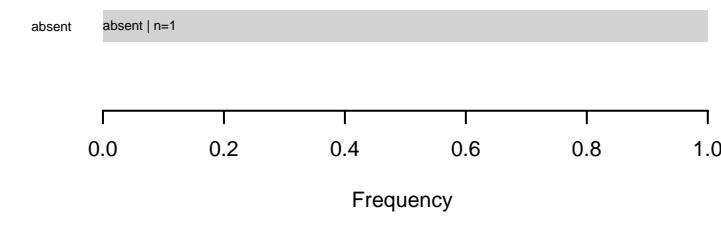
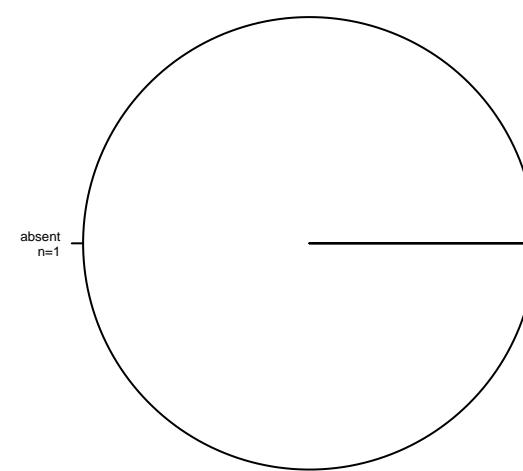
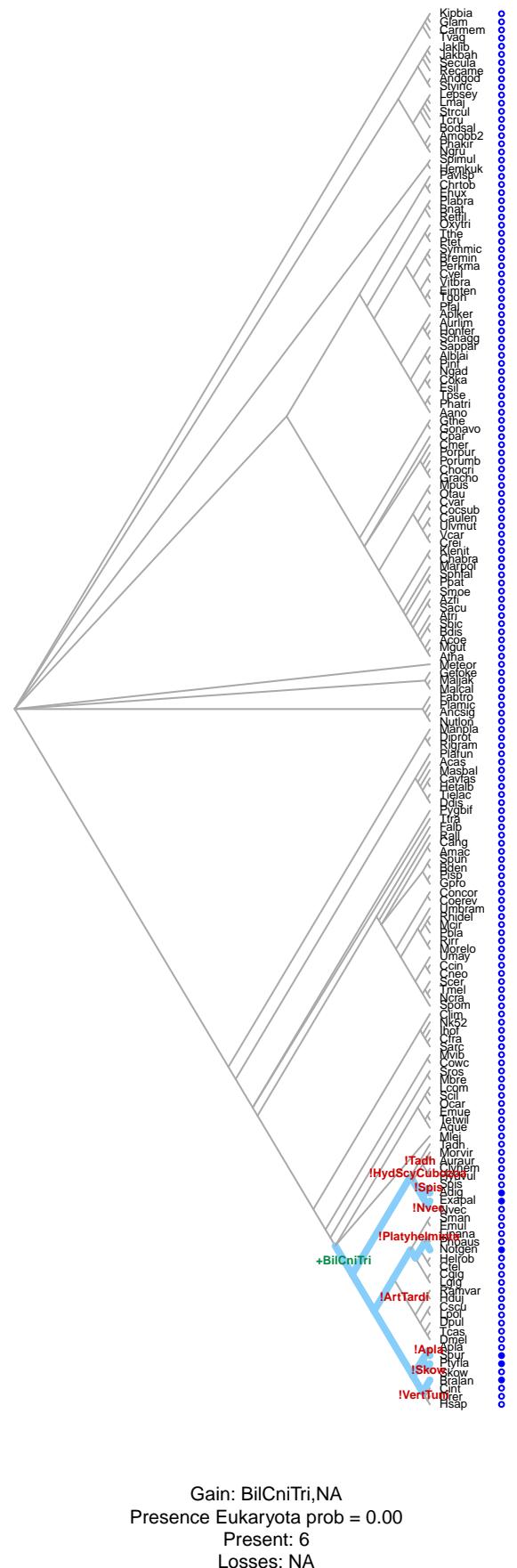
Gain: Bilateria, Tmel, Mucorales, Cang, Masbal, Schagg, Ttag, NA

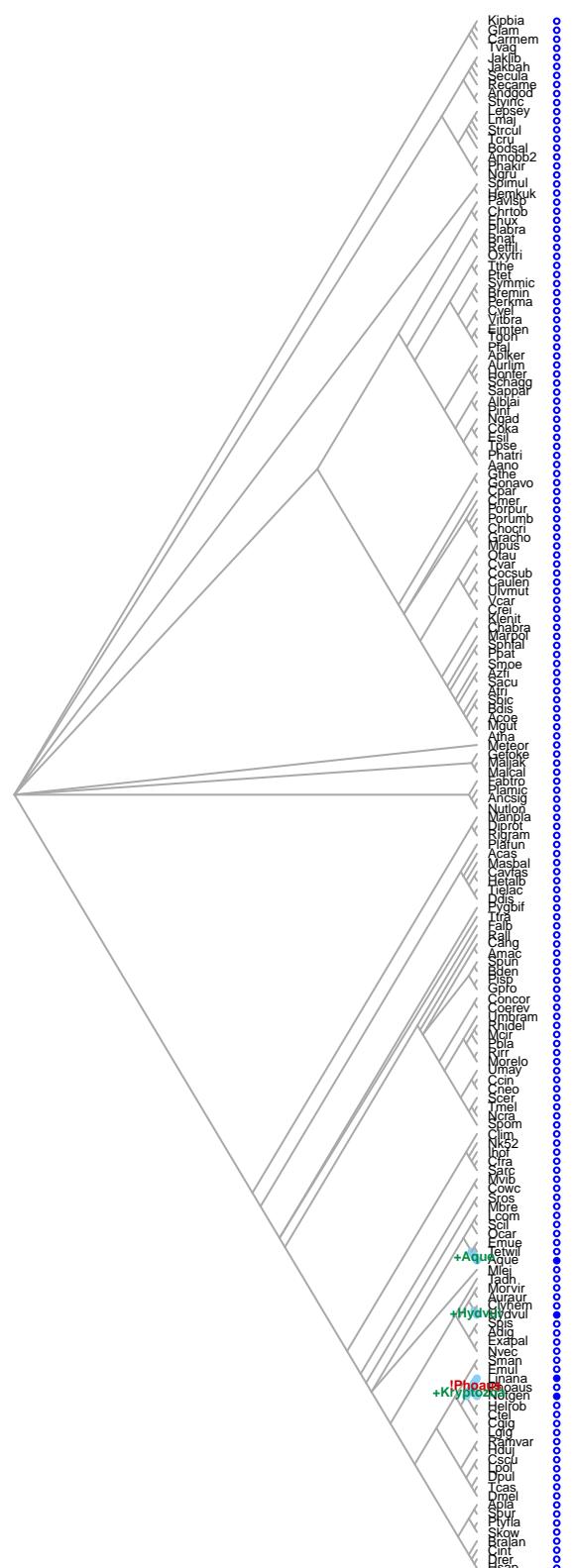
Presence Eukaryota prob = 1.00

Present: 39

Losses: NA





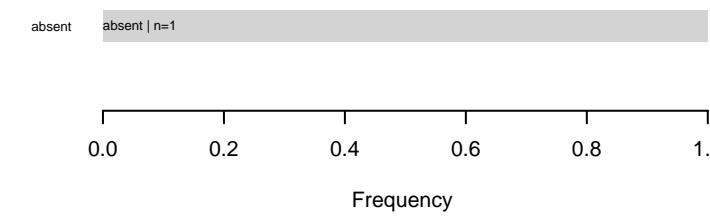
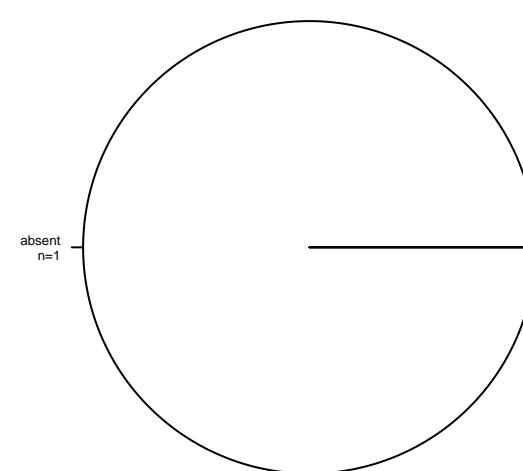


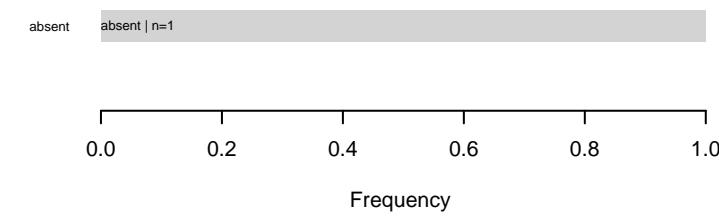
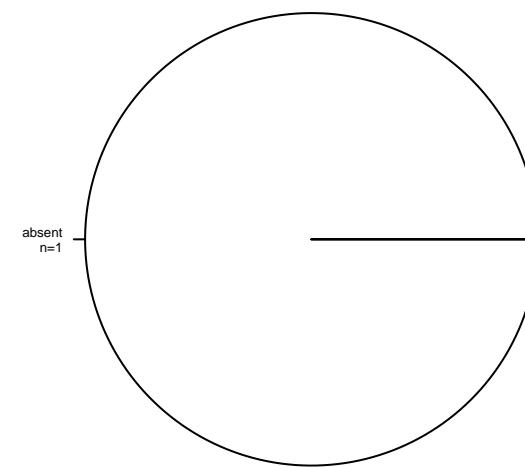
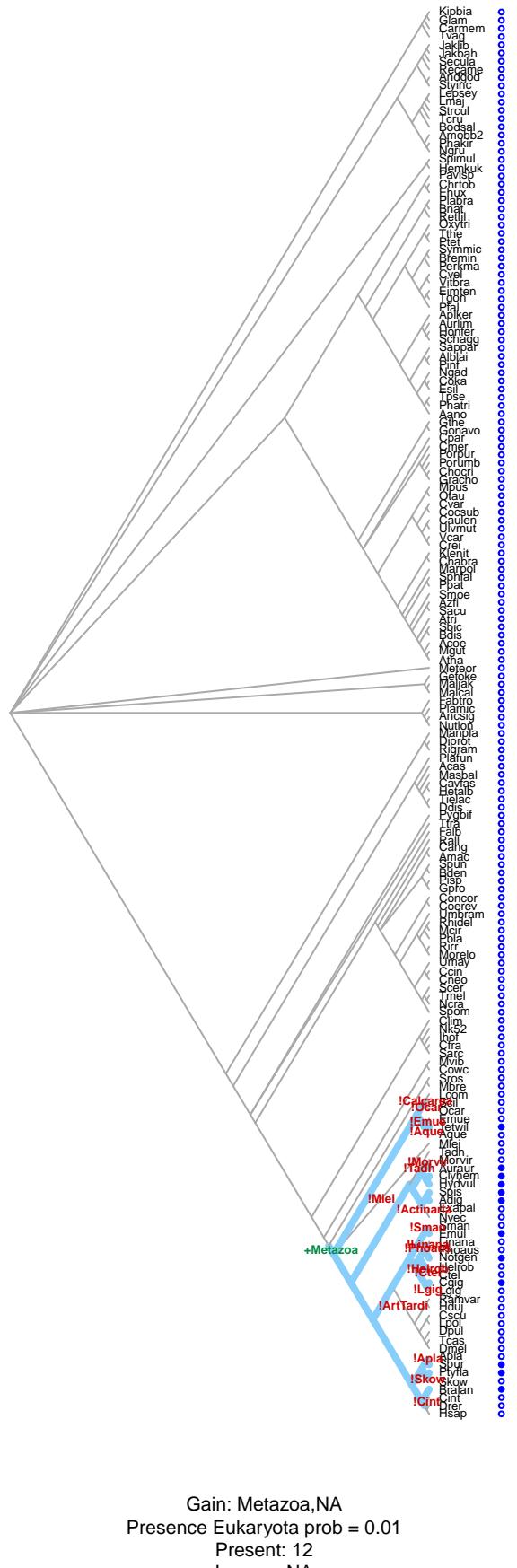
Gain: Kryptozoa,Hydvul,Aque,NA

Presence Eukaryota prob = 0.00

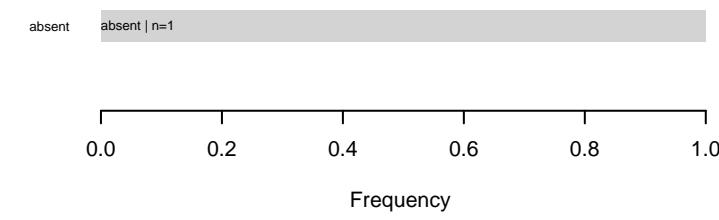
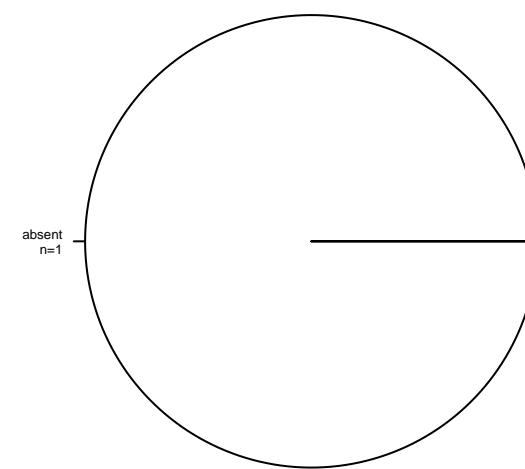
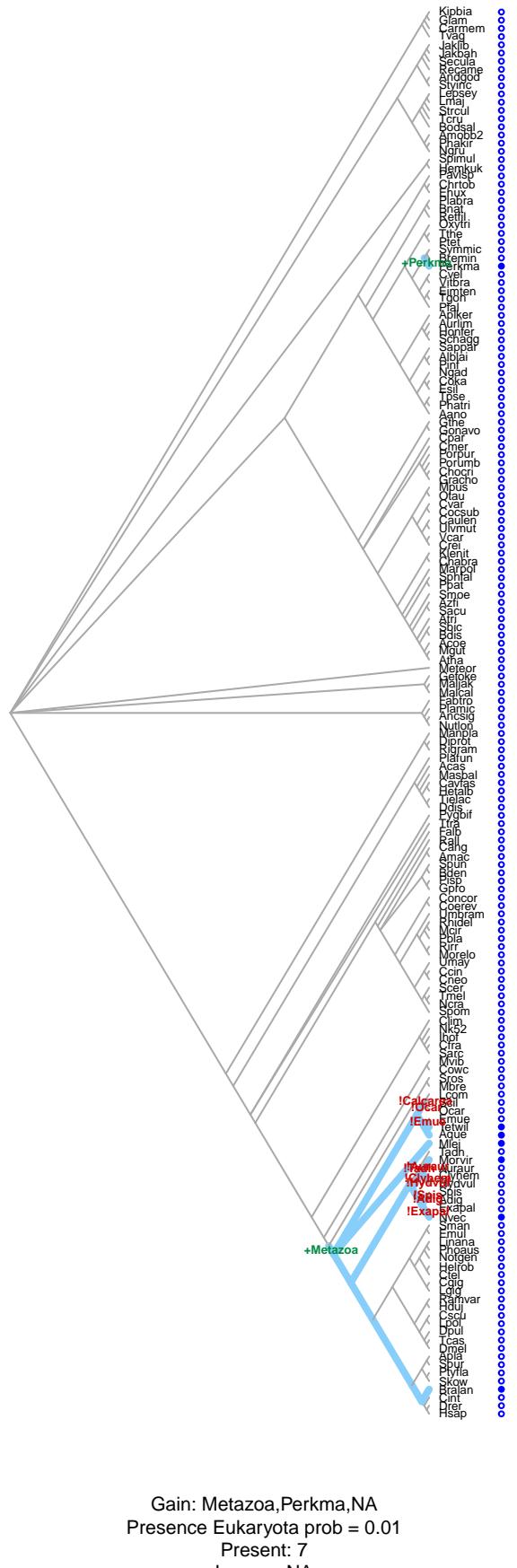
Present: 4

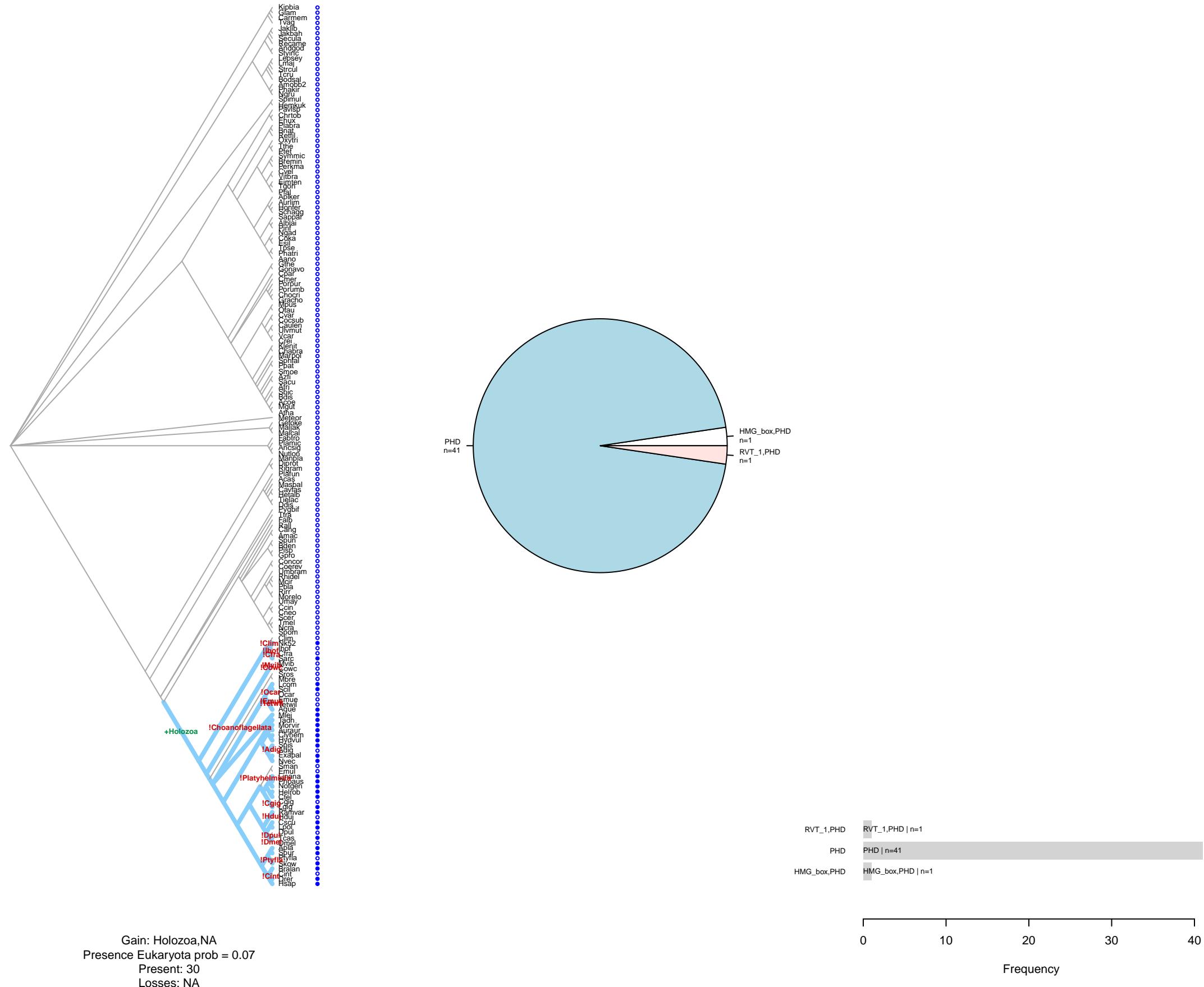
Losses: NA

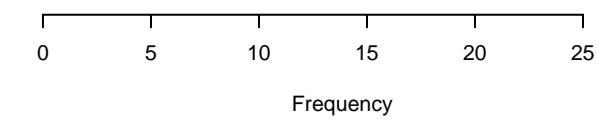
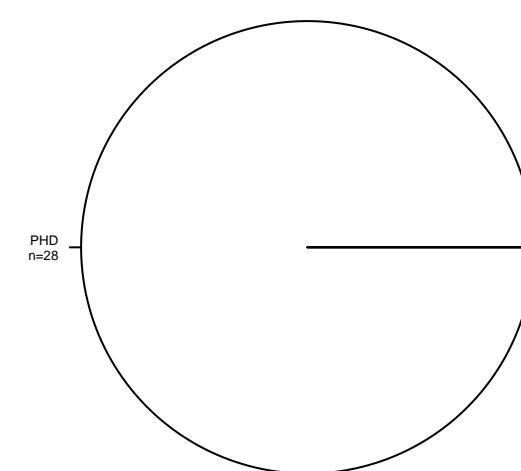
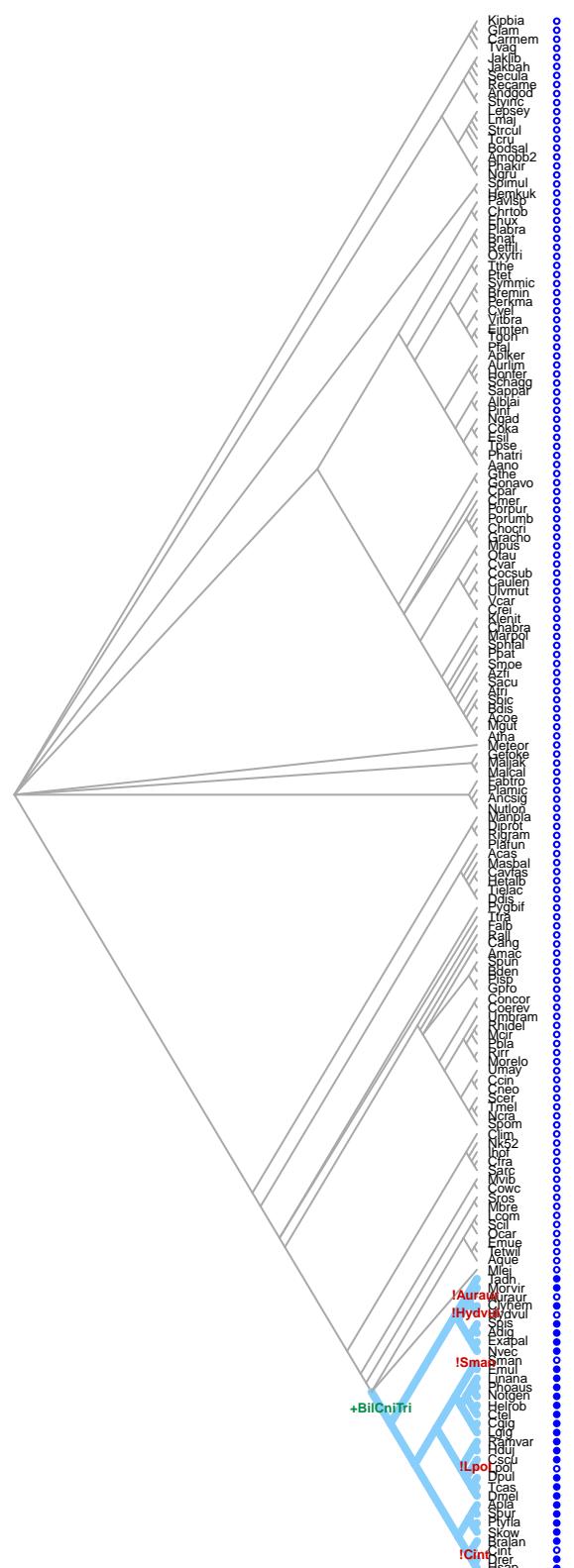


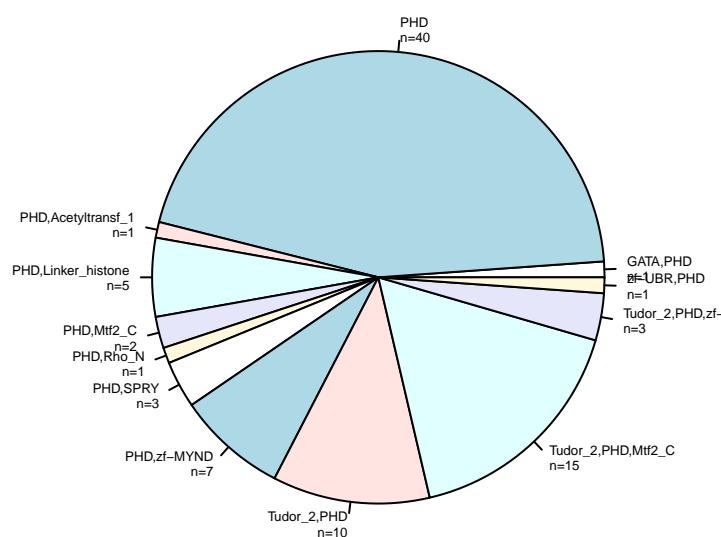
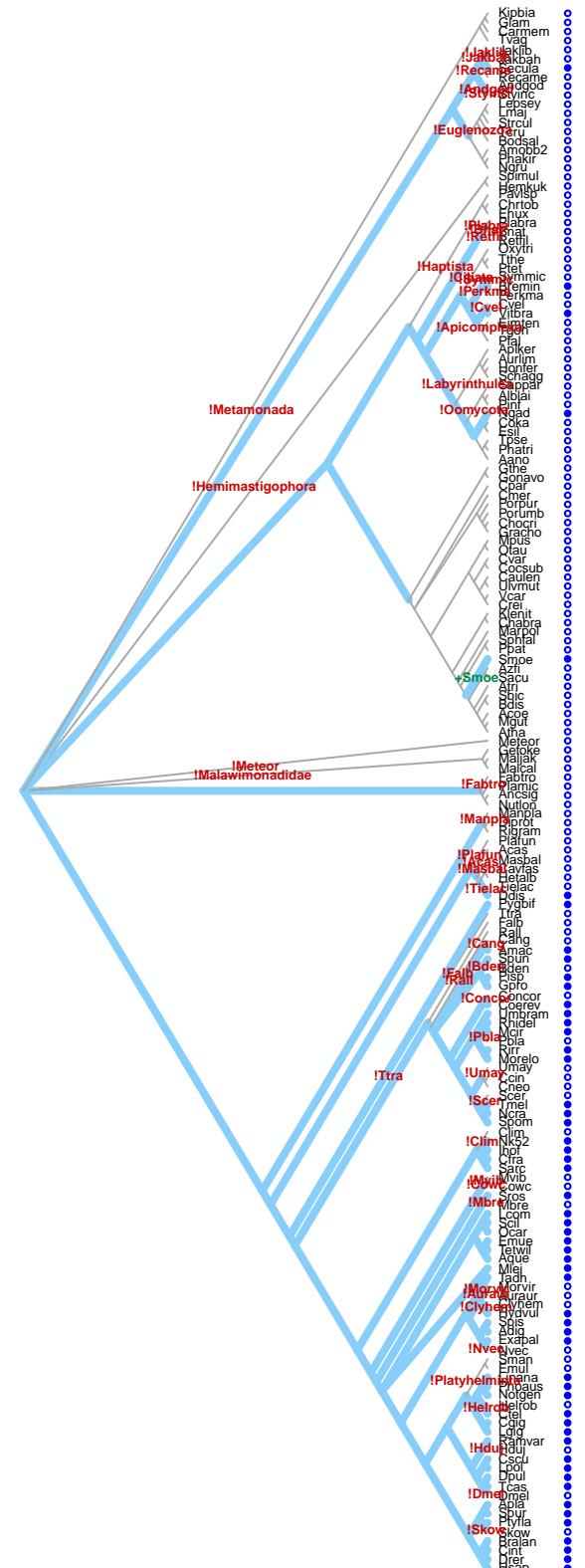


PHD.HG11.1
like:PYGO1/PYGO2



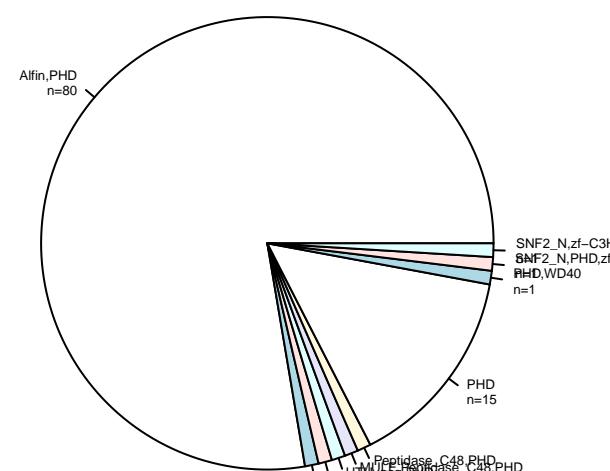
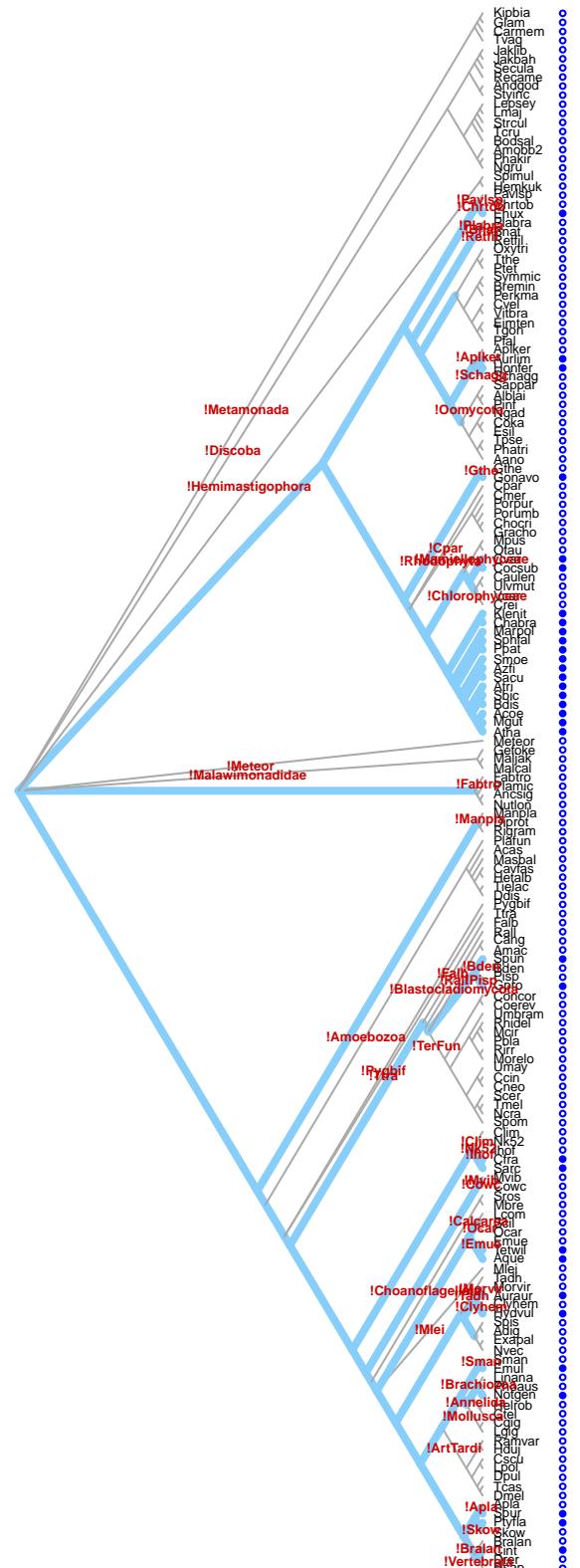






zf-UBR,PHD	zf-UBR,PHD n=1
_2,PHD,zf-MYND	Tudor_2,PHD,zf-MYND n=3
dor_2,PHD,Mtf2_C	Tudor_2,PHD,Mtf2_C n=15
Tudor_2,PHD	Tudor_2,PHD n=10
PHD,zf-MYND	PHD,zf-MYND n=7
PHD,SPRY	PHD,SPRY n=3
PHD,Rho_N	PHD,Rho_N n=1
PHD,Mtf2_C	PHD,Mtf2_C n=2
HD,Linker_histone	PHD,Linker_histone n=5
HD,Acetyltransf_1	PHD,Acetyltransf_1 n=1
PHD	PHD n=40
GATA,PHD	GATA,PHD n=1

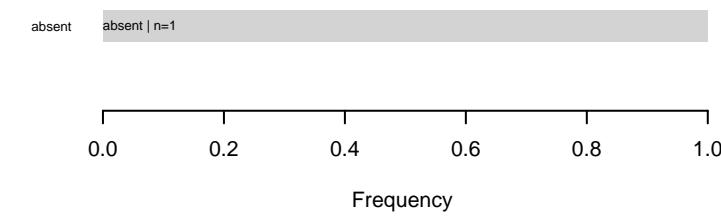
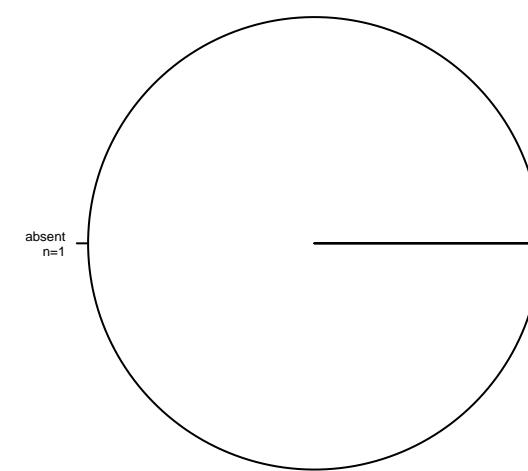
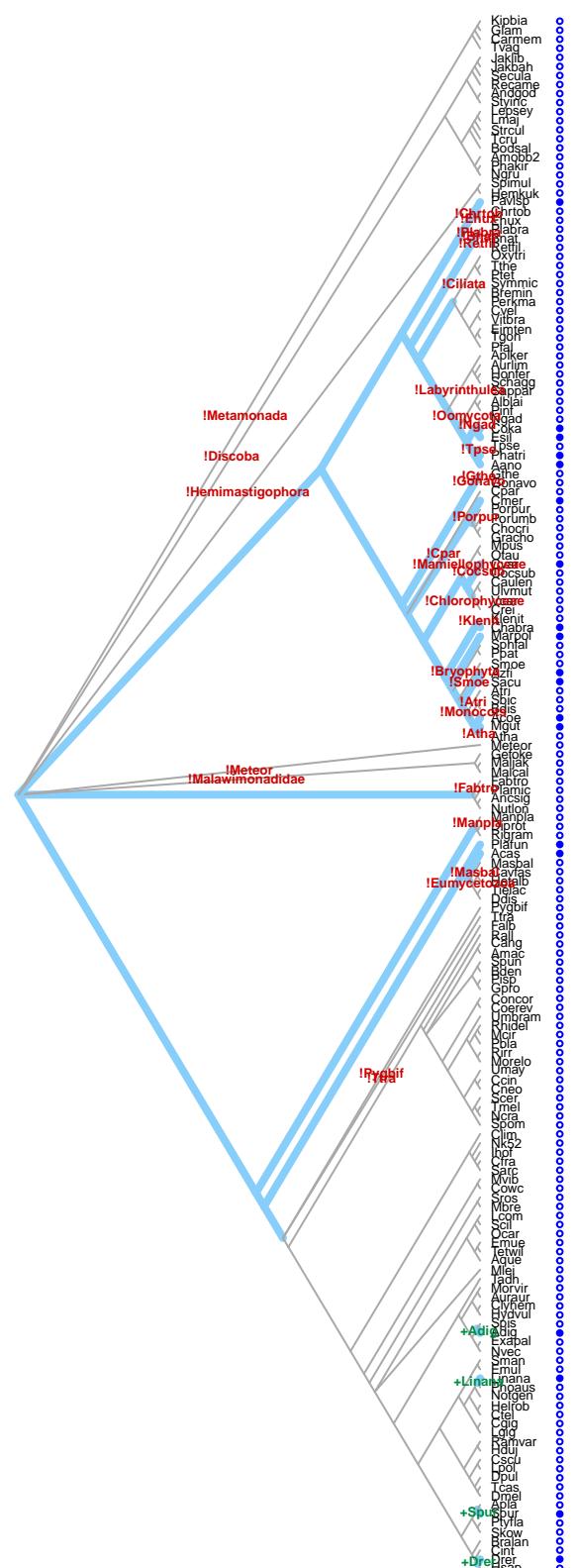
Gain: Smoe,NA
Presence Eukaryota prob = 0.96
Present: 55
Losses: NA

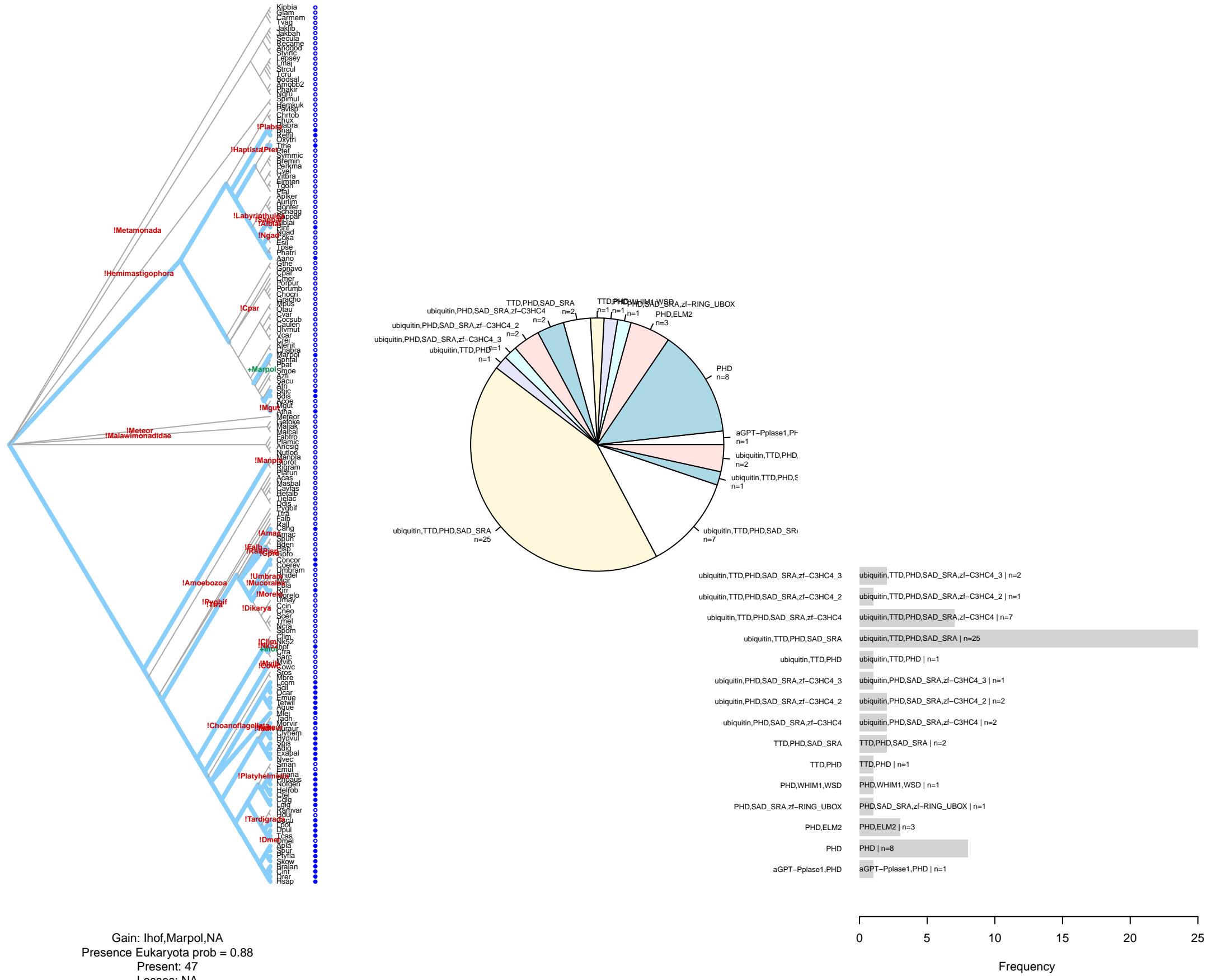


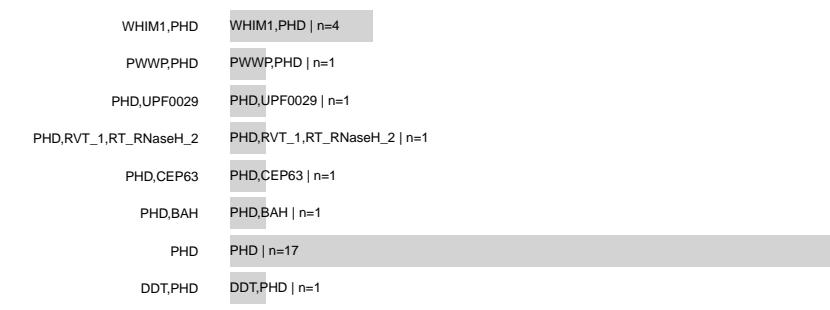
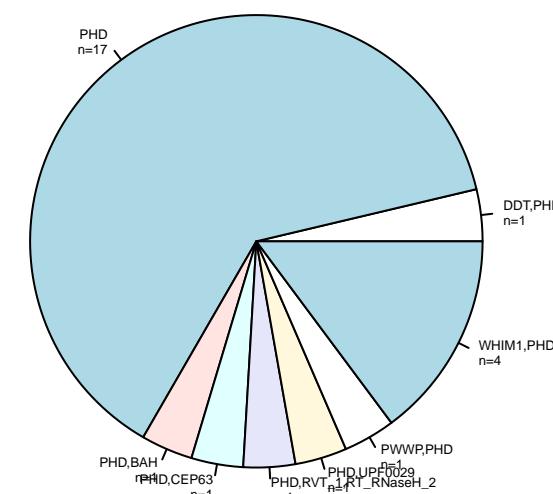
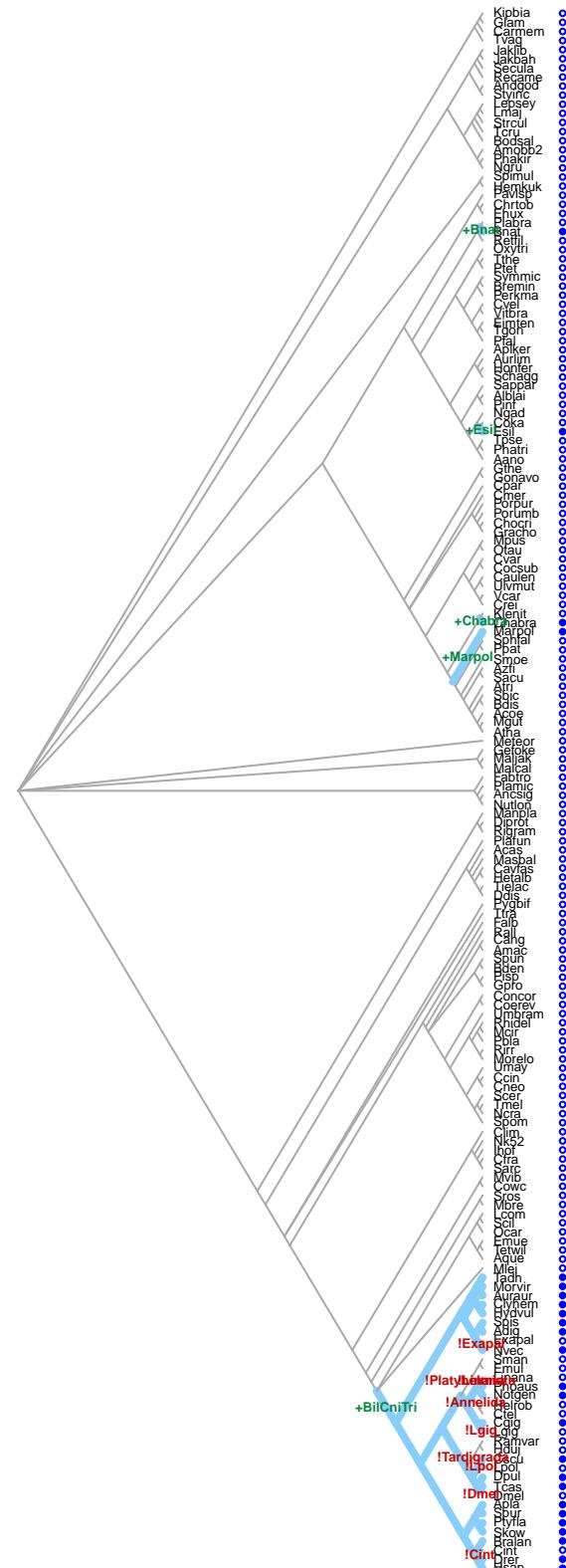
SNF2_N,zf-C3HC4,Helicase_C,Alfin,PHD	SNF2_N,zf-C3HC4,Helicase_C,Alfin,PHD n=1
SNF2_N,PHD,zf-C3HC4_3	SNF2_N,PHD,zf-C3HC4_3 n=1
PHD,WD40	PHD,WD40 n=1
PHD	PHD n=15
Peptidase_C48,PHD	Peptidase_C48,PHD n=1
MULE,Peptidase_C48,PHD	MULE,Peptidase_C48,PHD n=1
HTH_psq,PHD	HTH_psq,PHD n=1
FHA,PHD	FHA,PHD n=1
AP2,PHD	AP2,PHD n=1
Alfin,PHD	Alfin,PHD n=80

0 20 40 60 80

Frequency

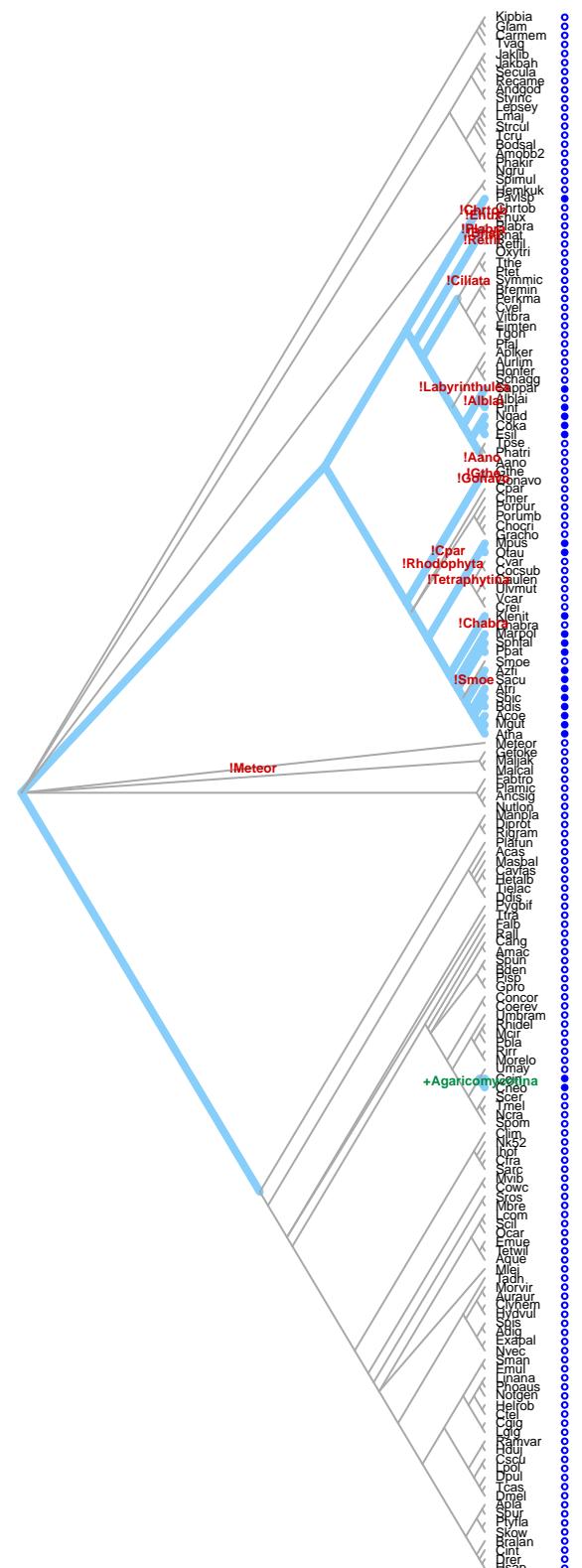




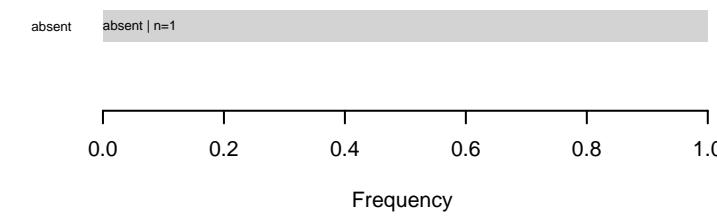
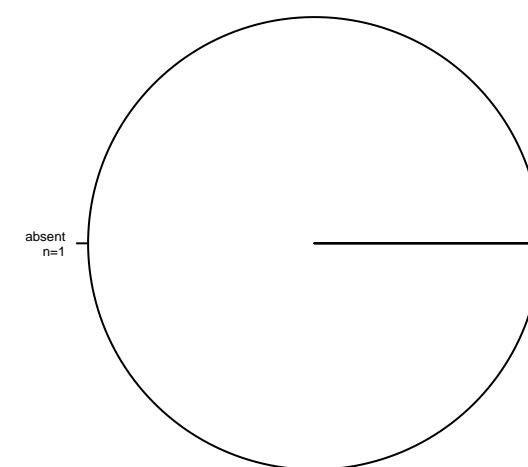


0 5 10 15

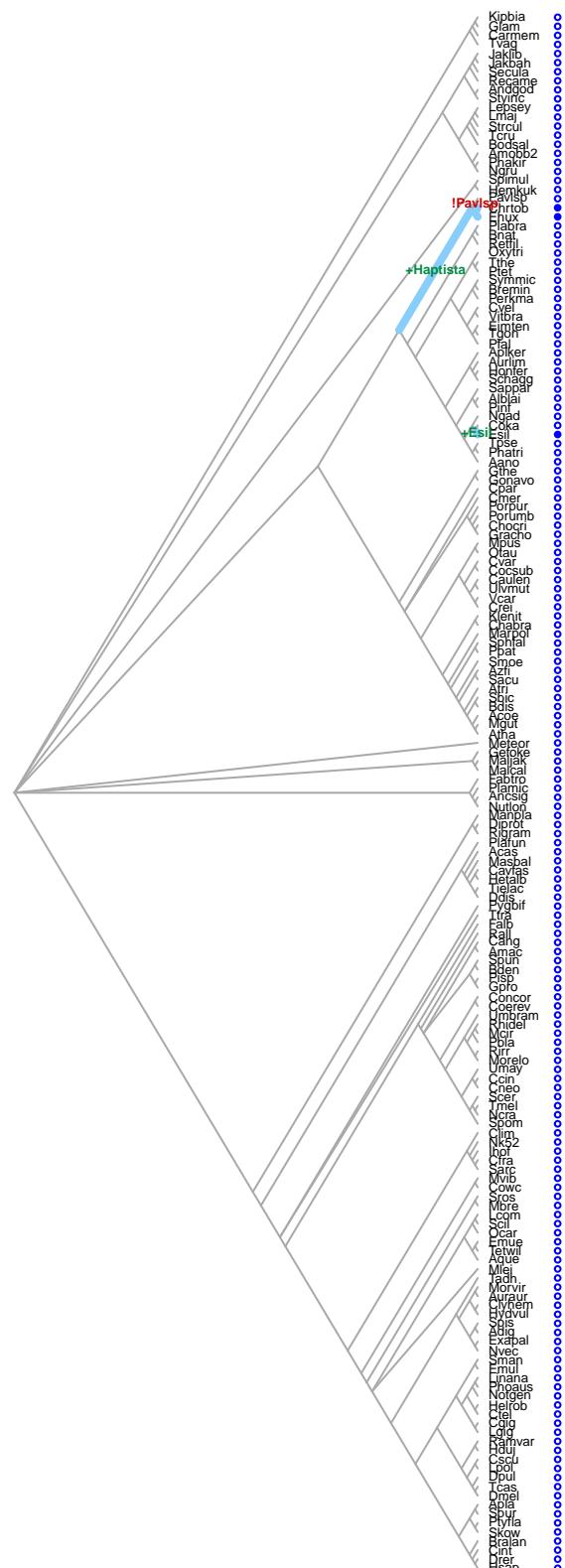
Frequency



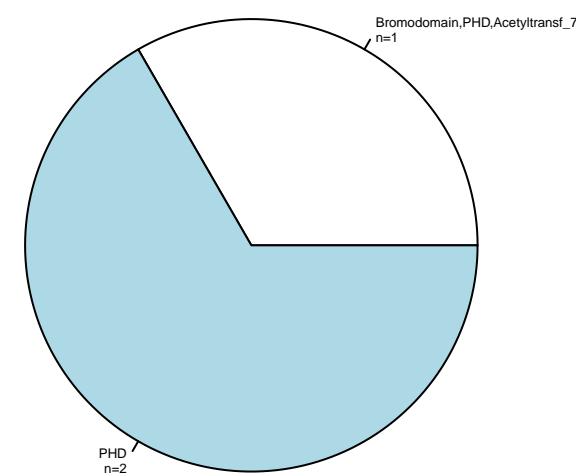
Gain: Agaricomycotina,NA
Presence Eukaryota prob = 0.51
Present: 22
Losses: NA



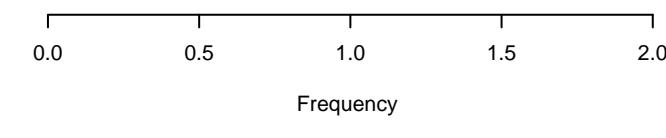
PHD.HG16.0
NA

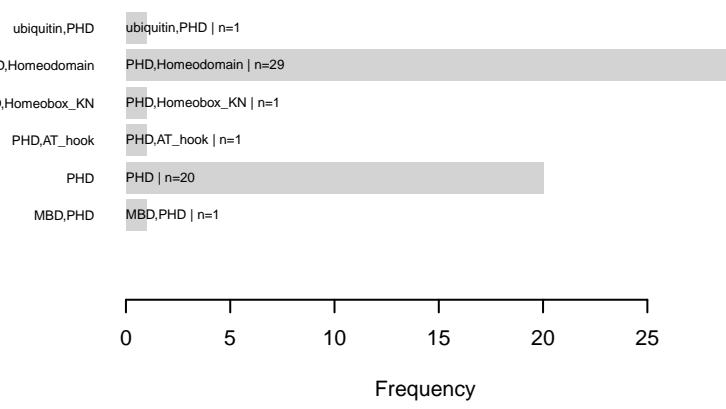
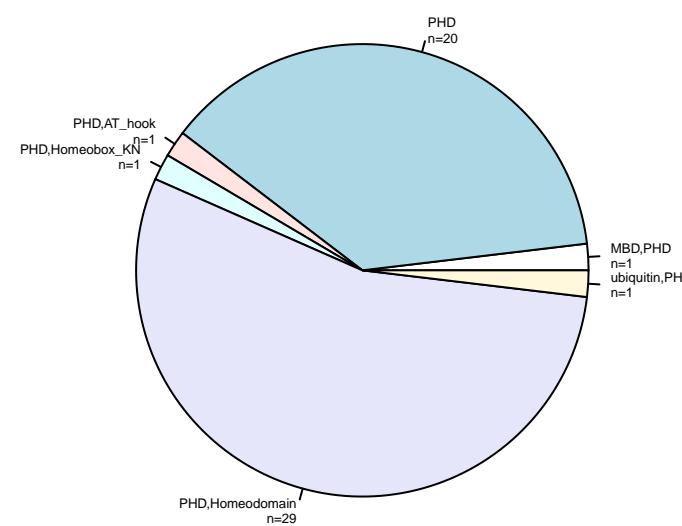
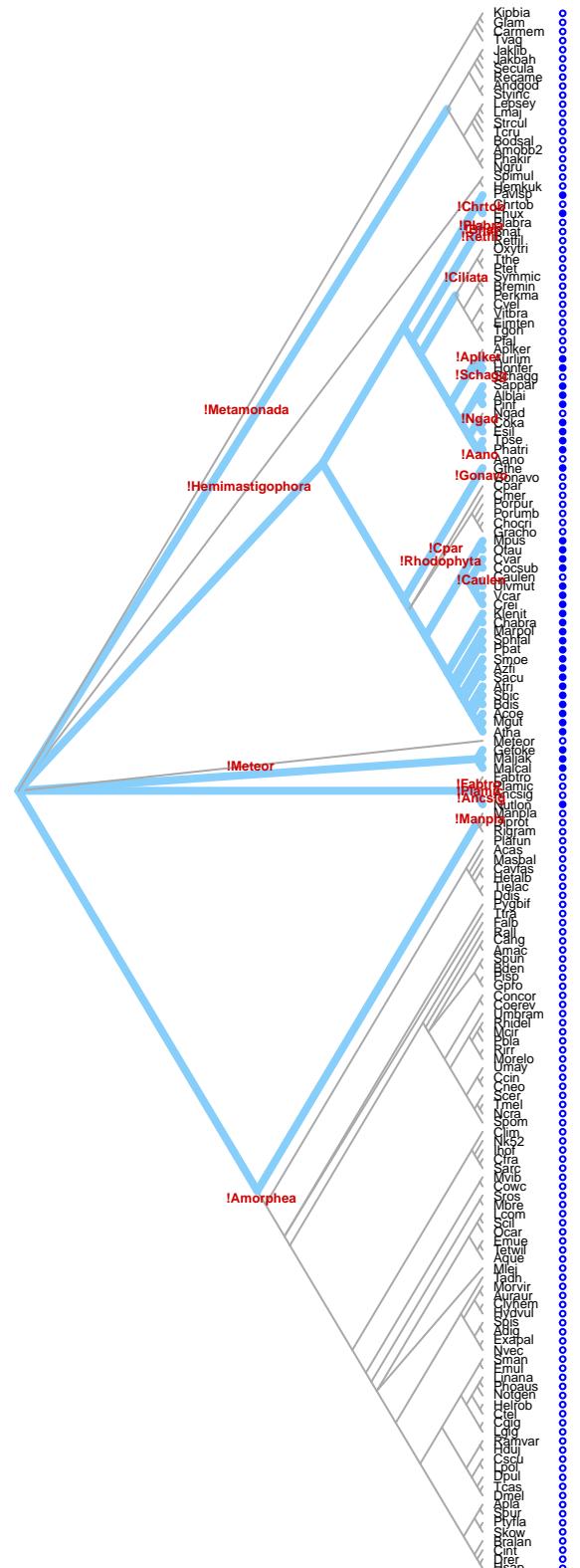


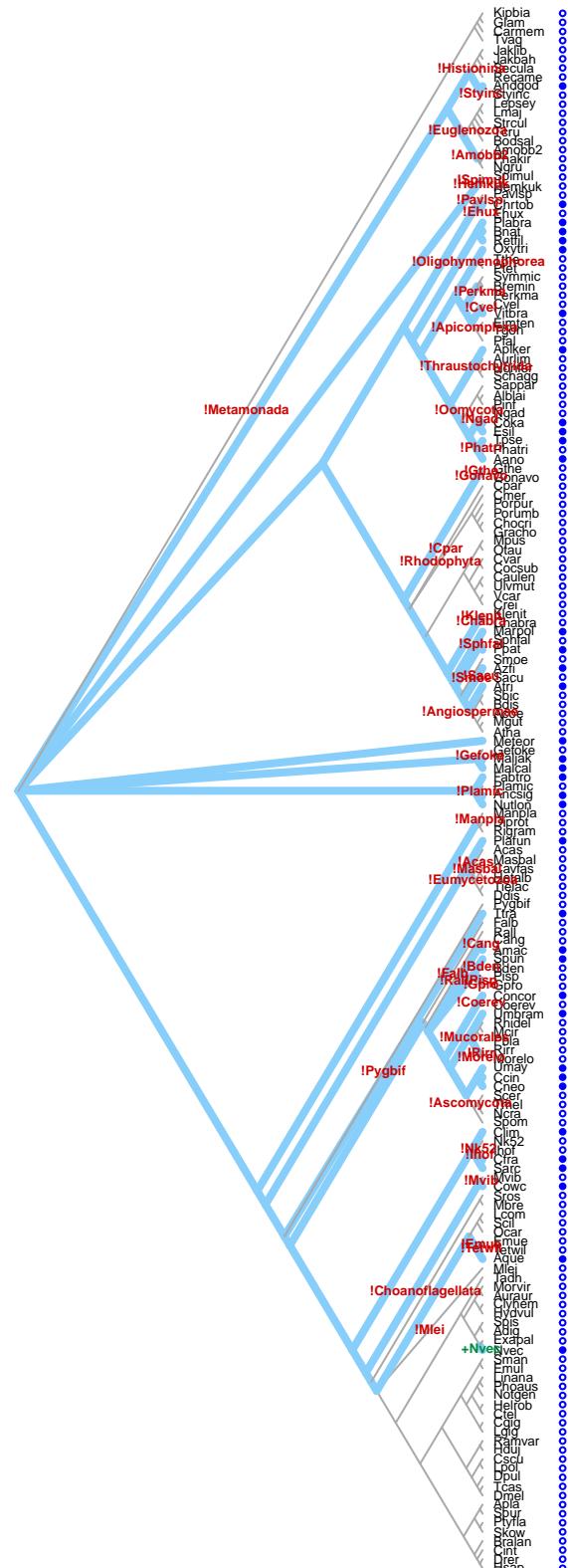
Gain: Esil,Haptista,NA
Presence Eukaryota prob = 0.02
Present: 3
Losses: NA



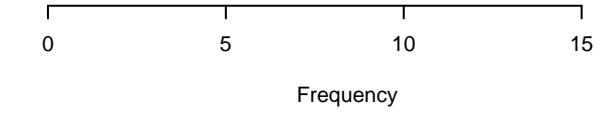
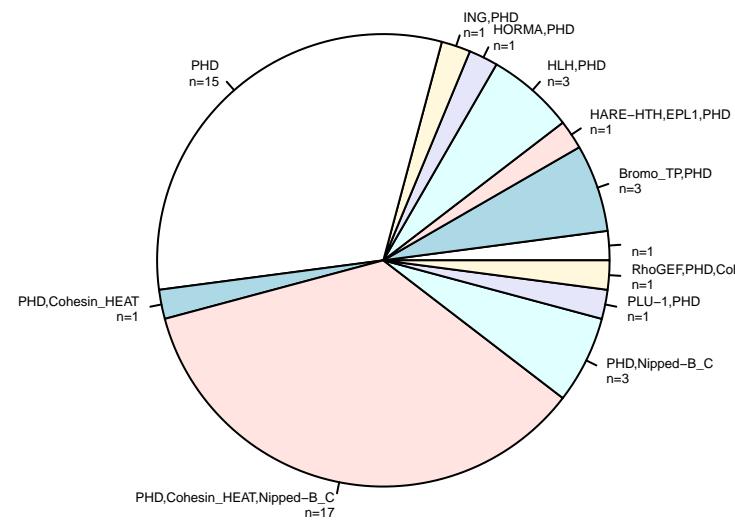
PHD PHD | n=2
Bromodomain,PHD,Acetyltransf_7 Bromodomain,PHD,Acetyltransf_7 | n=1

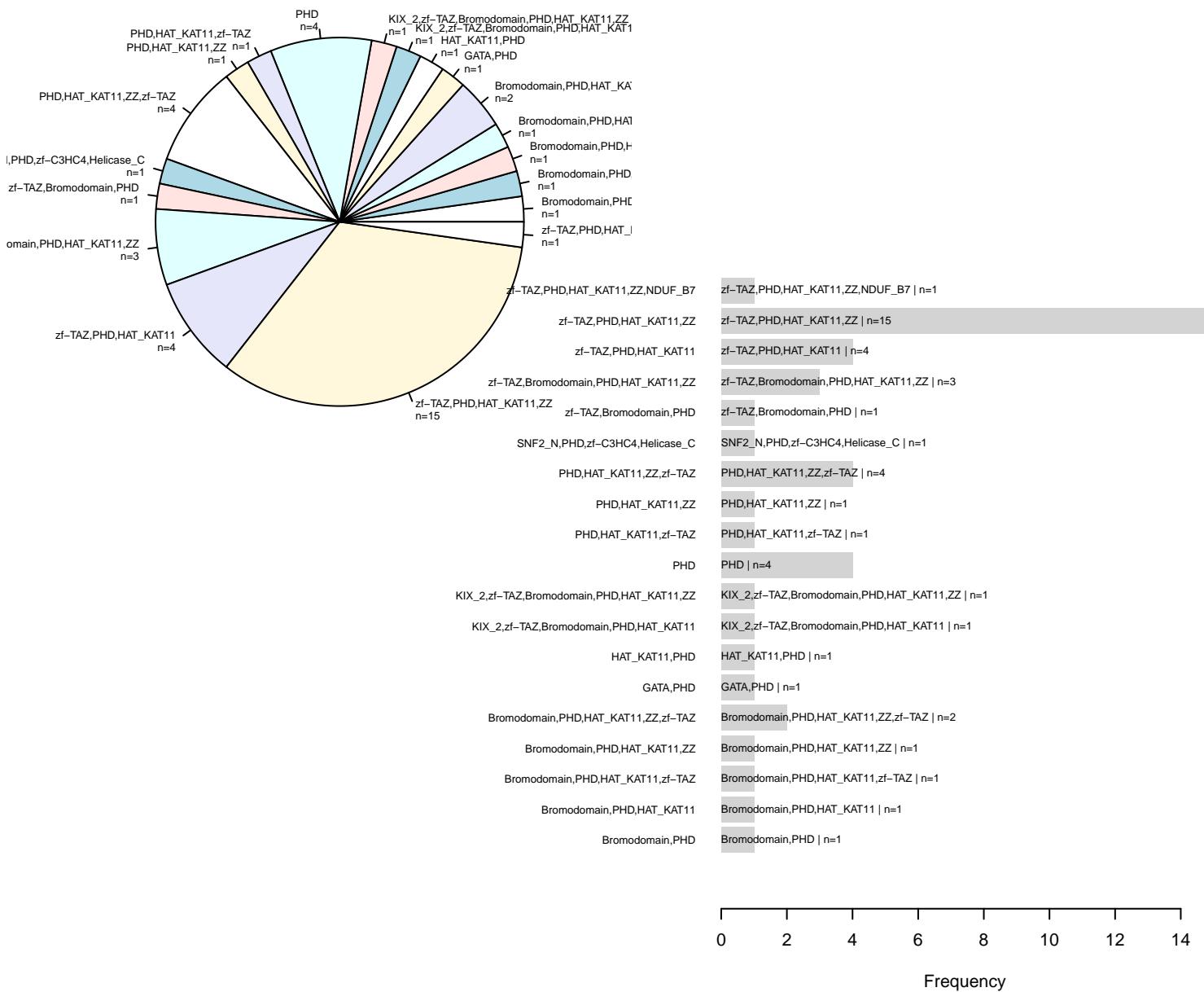
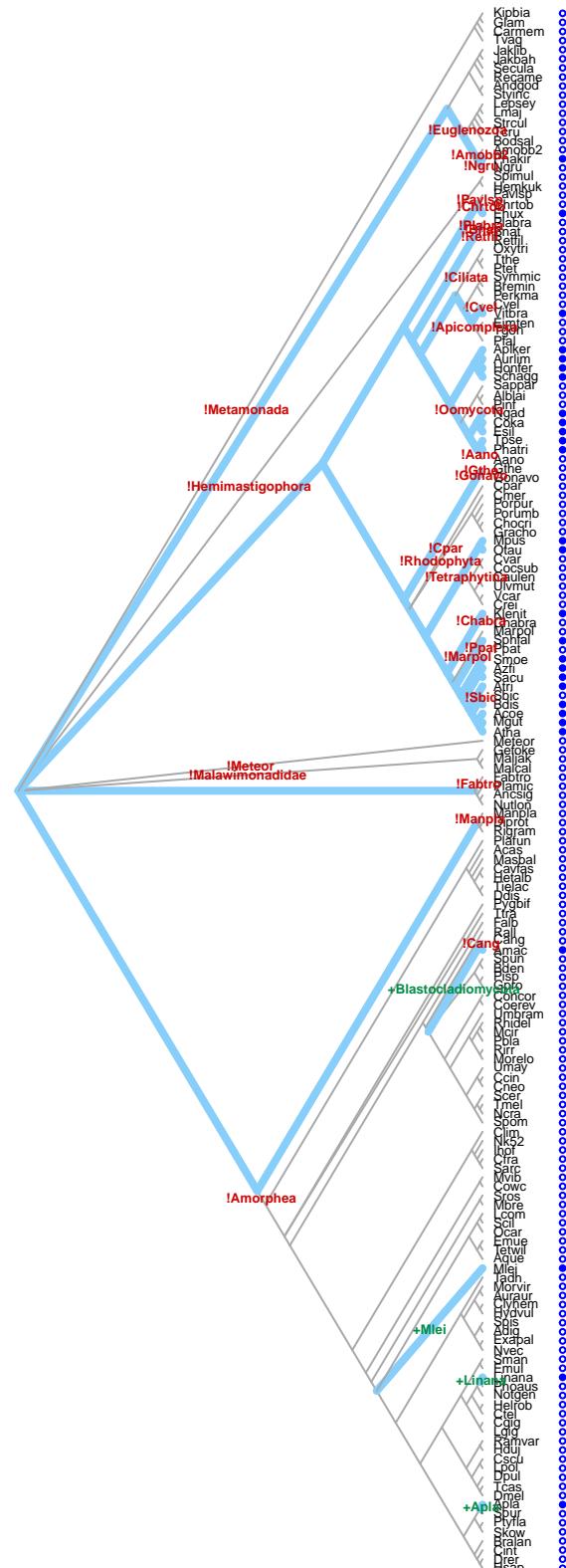


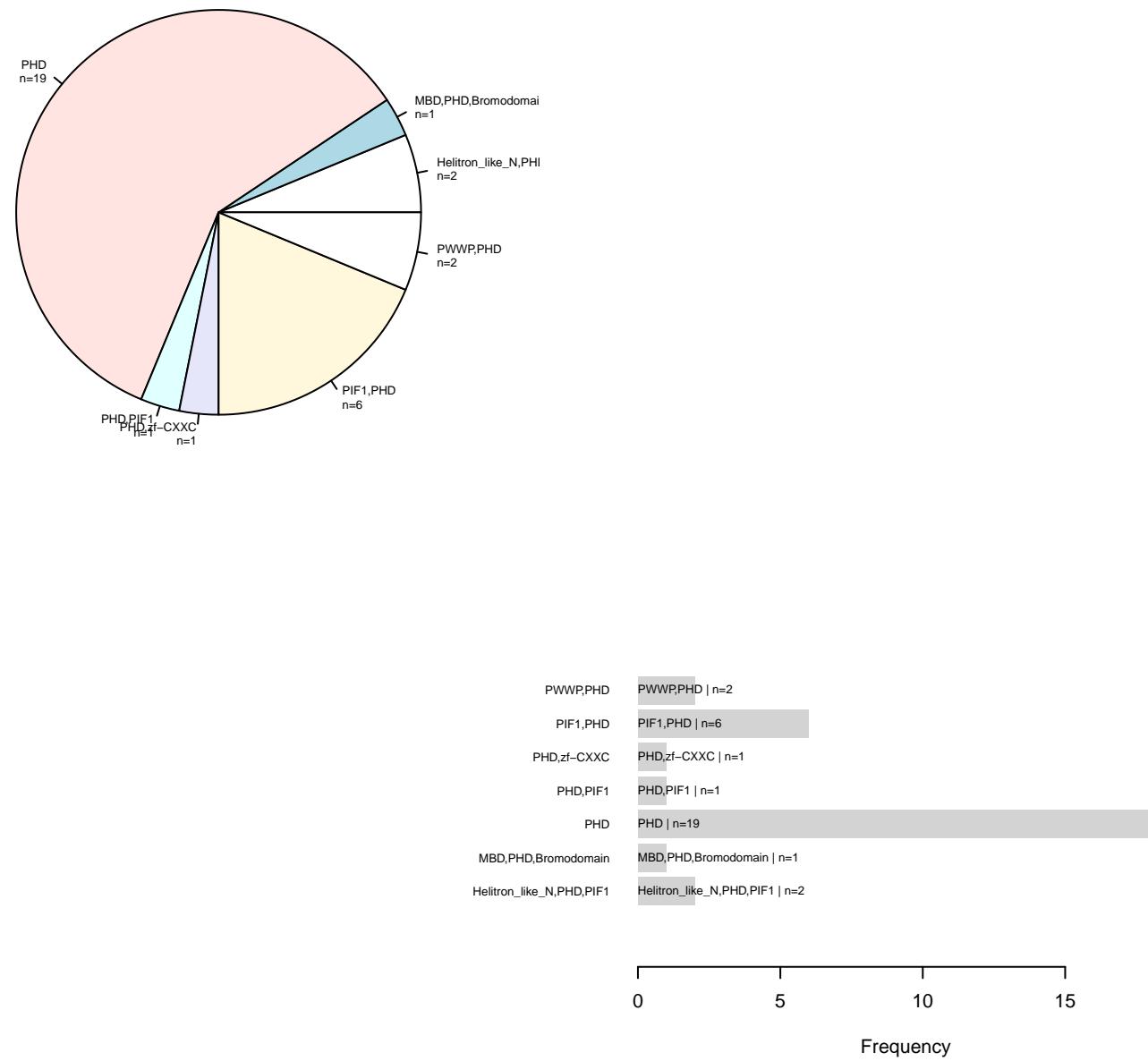
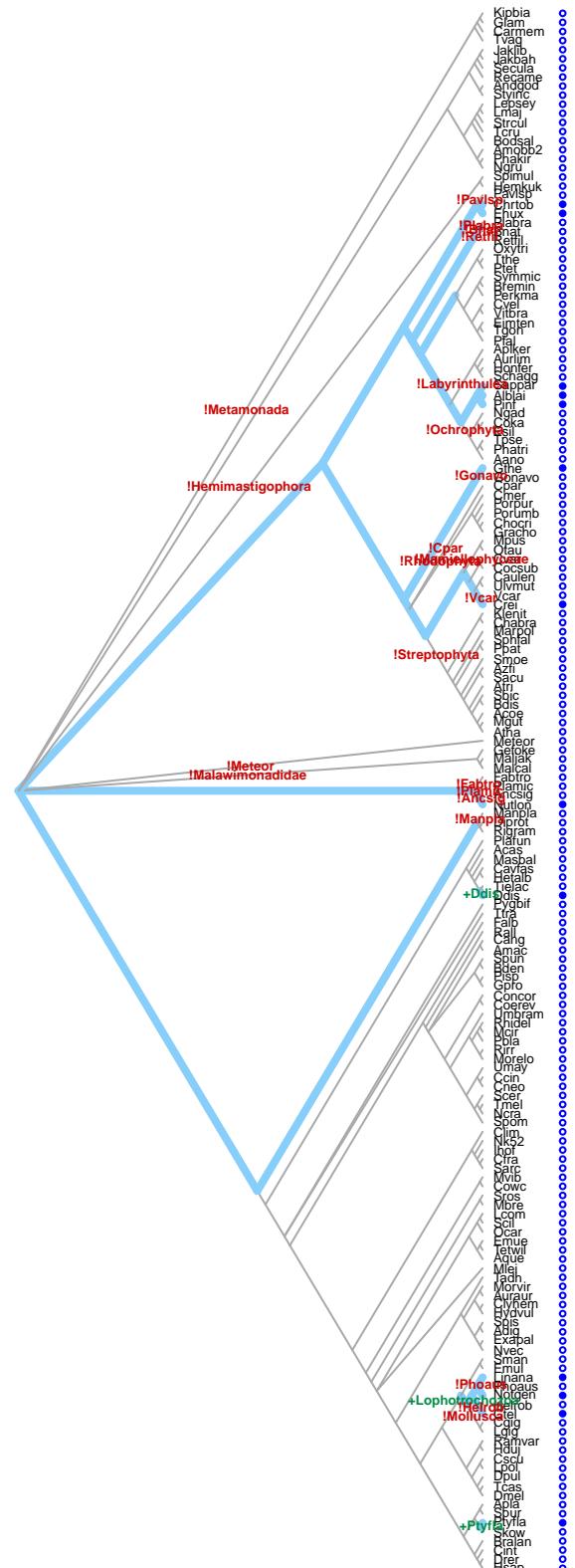


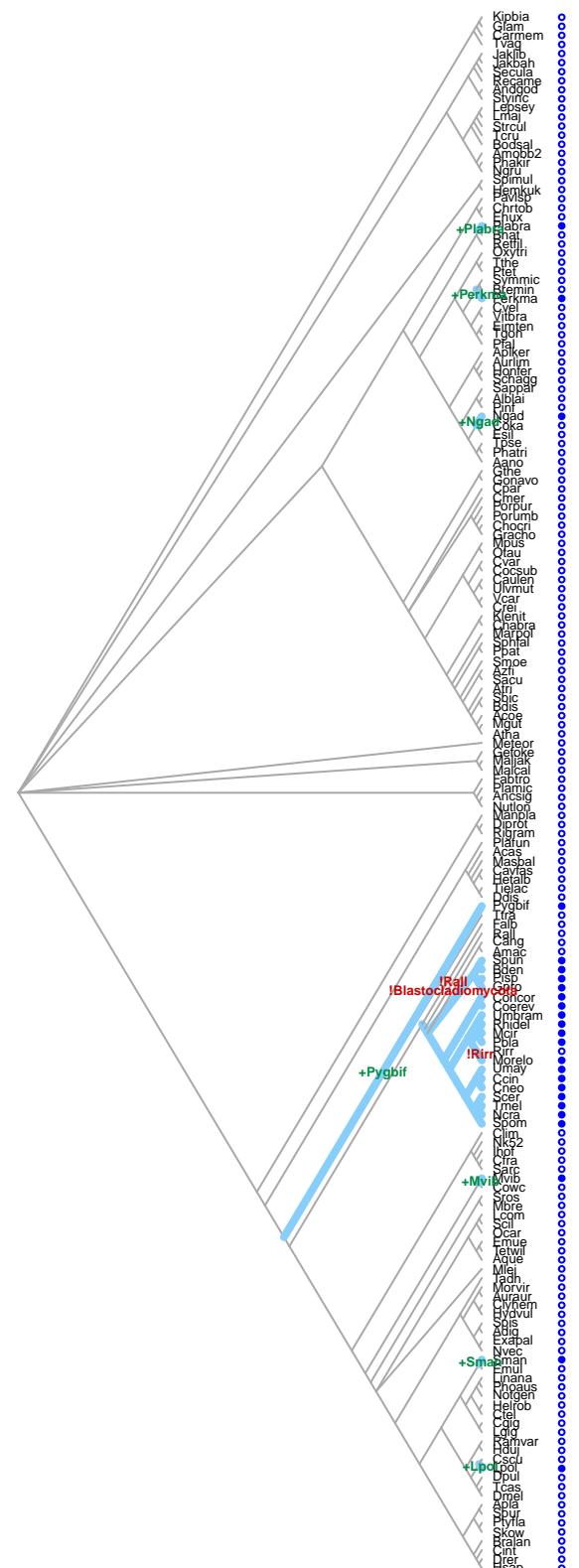


Gain: Nvec,NA
Presence Eukaryota prob = 1.00
Present: 37
Losses: NA







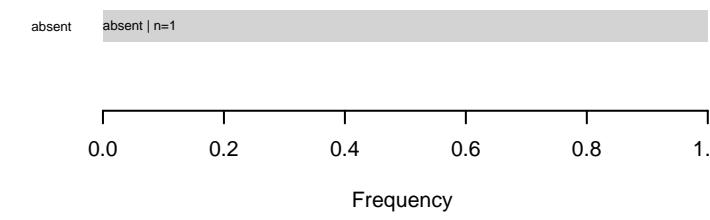
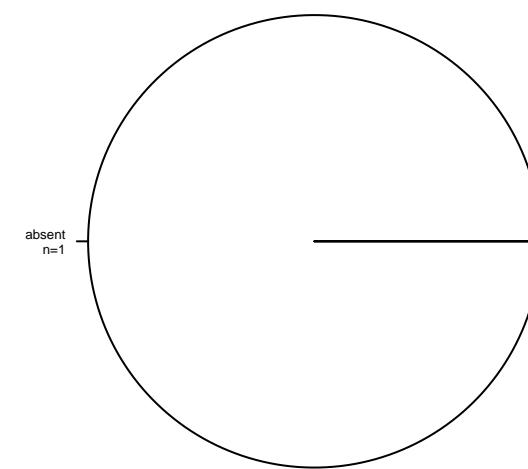


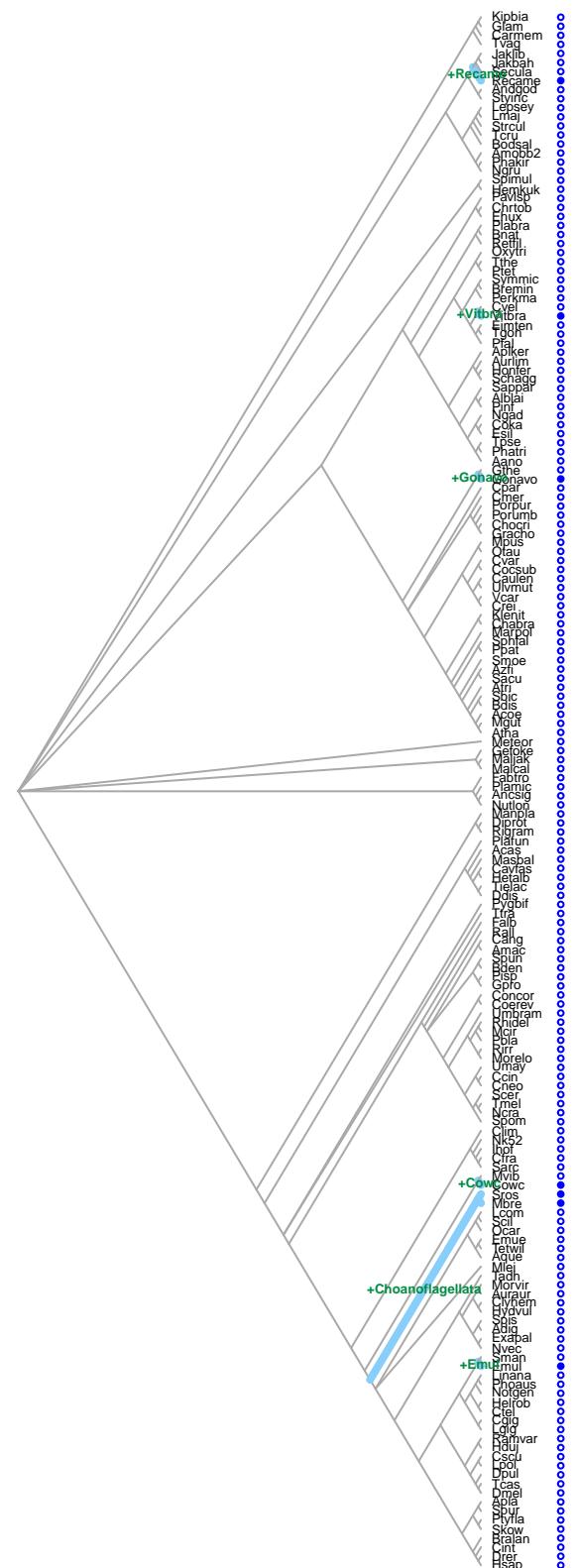
Gain: Lpol,Sman,Mvib,Pygbif,Ngad,Perkma,Plabra,NA

Presence Eukaryota prob = 0.00

Present: 25

Losses: NA



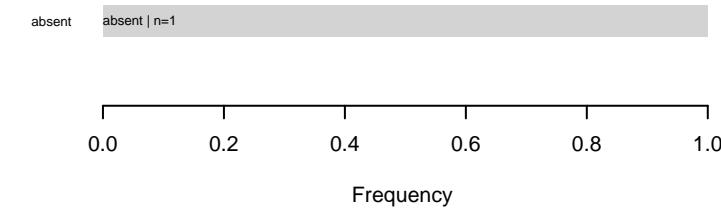
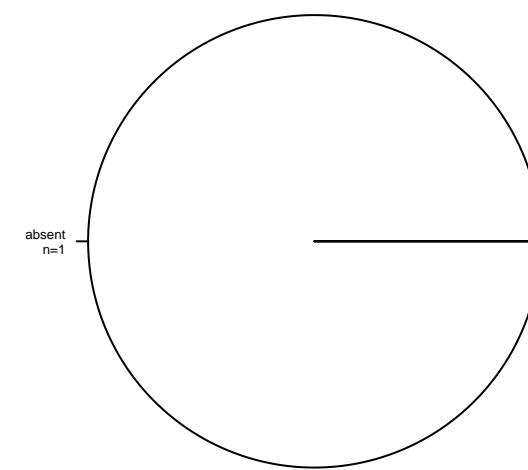


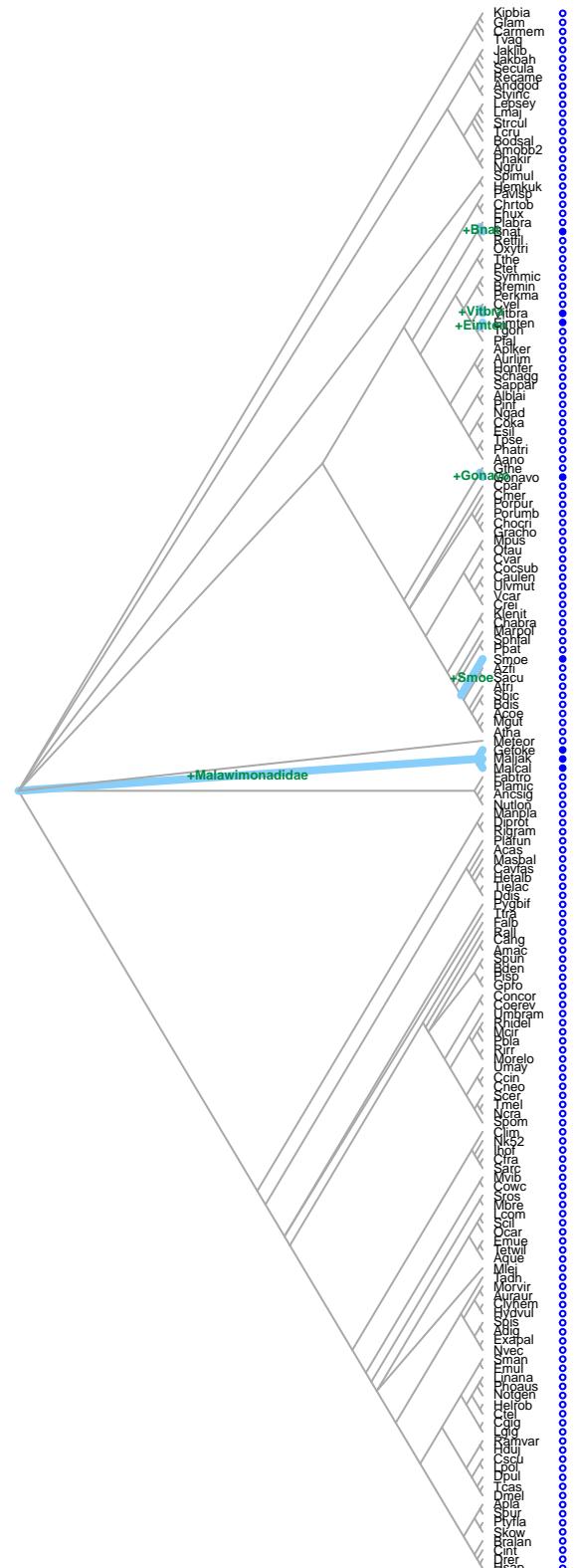
Gain: Emul,Choanoflagellata,Cowc,Gonavo,Vitra,Recame,NA

Presence Eukaryota prob = 0.11

Present: 7

Losses: NA



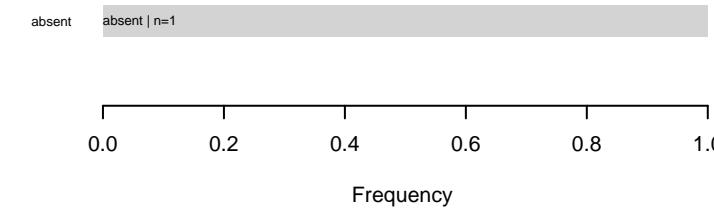
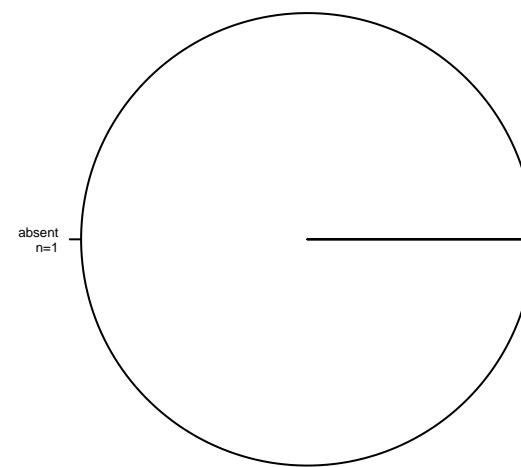


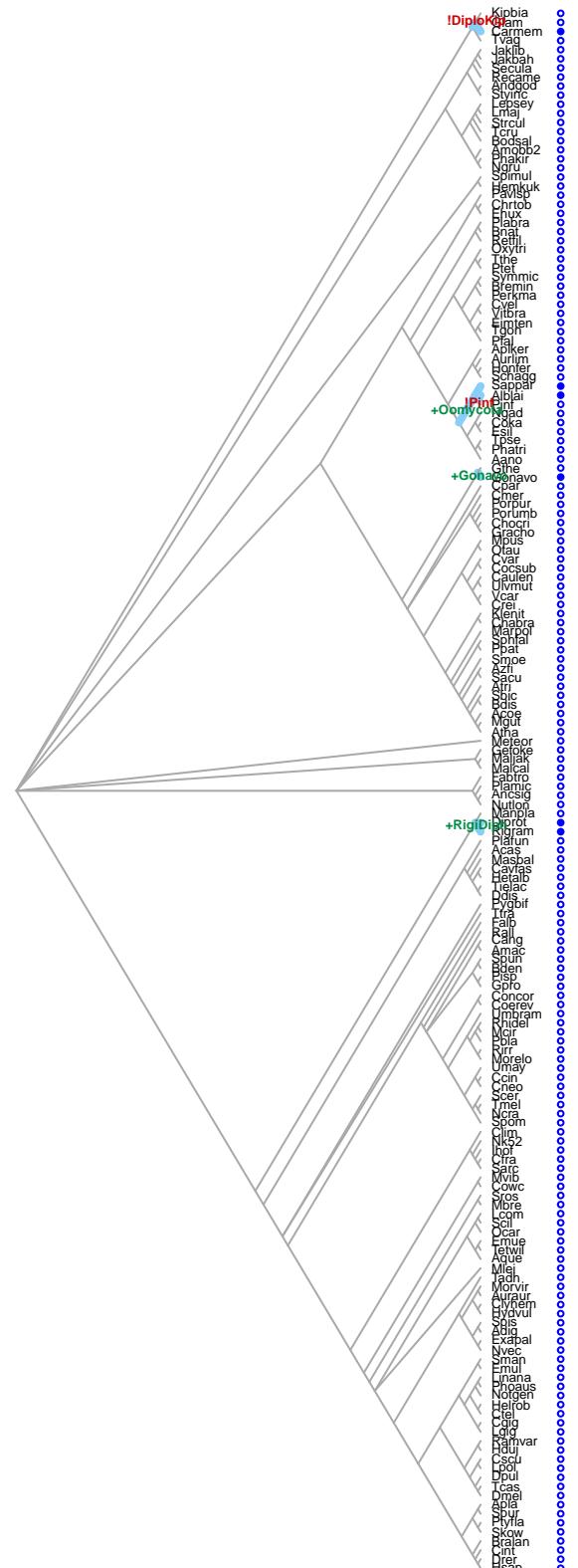
Gain: Malawimonadidae,Smoe,Gonavo,Eimten,Vitbra,Bnat,NA

Presence Eukaryota prob = 0.28

Present: 8

Losses: NA



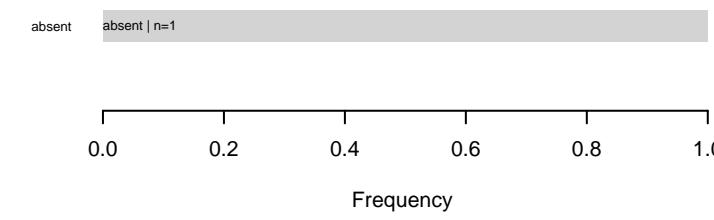
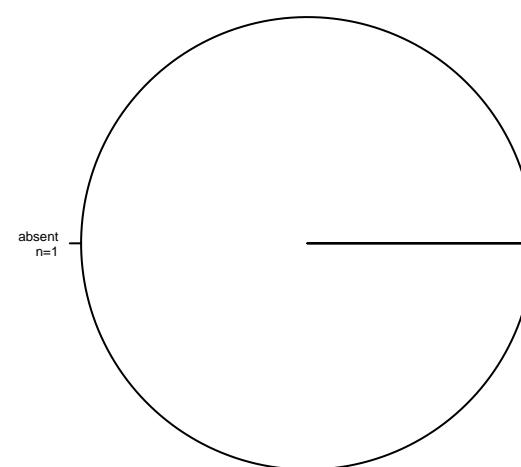


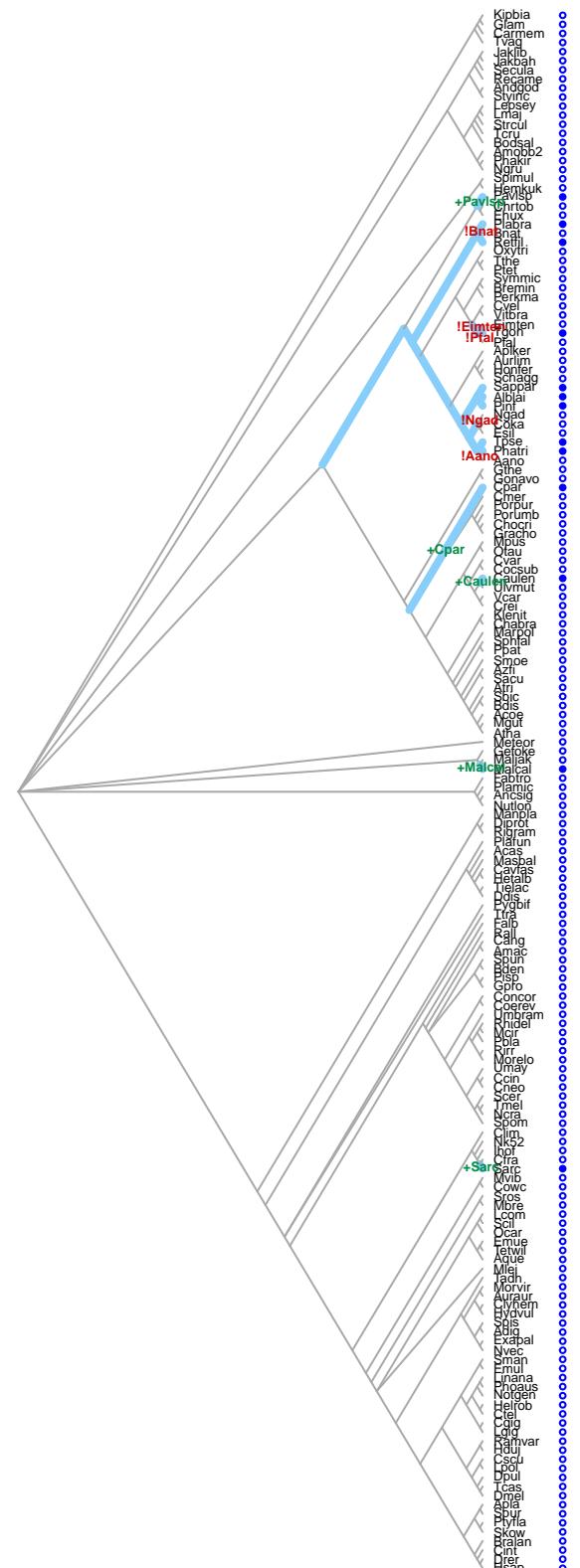
Gain: RigiDiph, Gonavo, Oomycota, NA

Presence Eukaryota prob = 0.36

Present: 6

Losses: NA



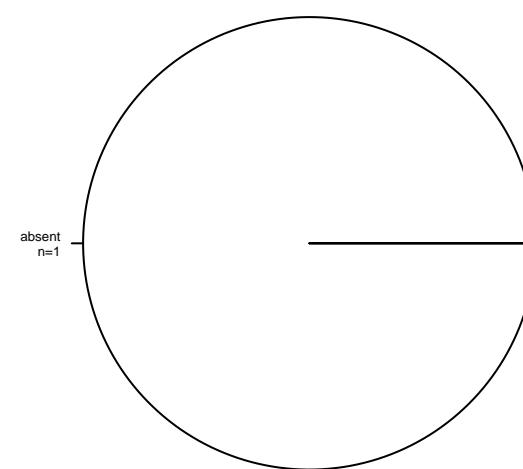


Gain: Sarc, Malcal, Caulen, Cpar, Pavisp, NA

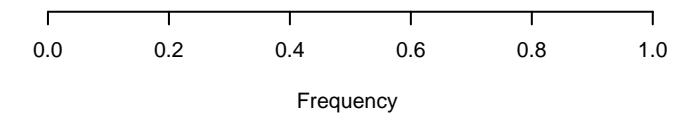
Presence Eukaryota prob = 0.15

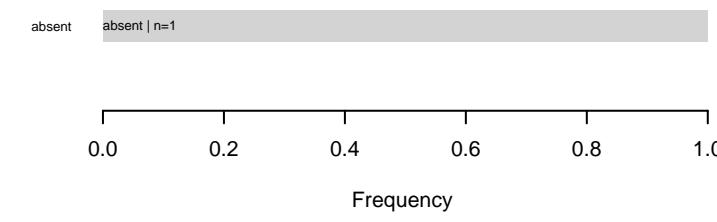
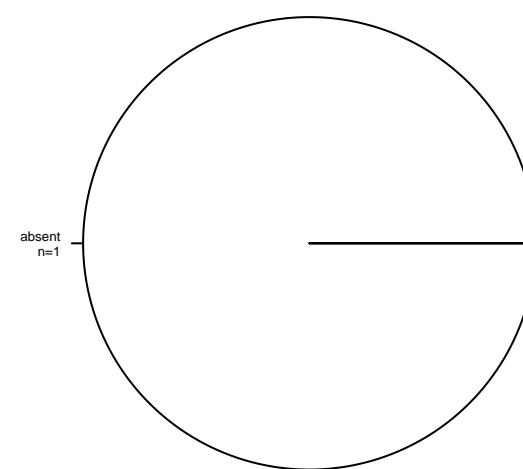
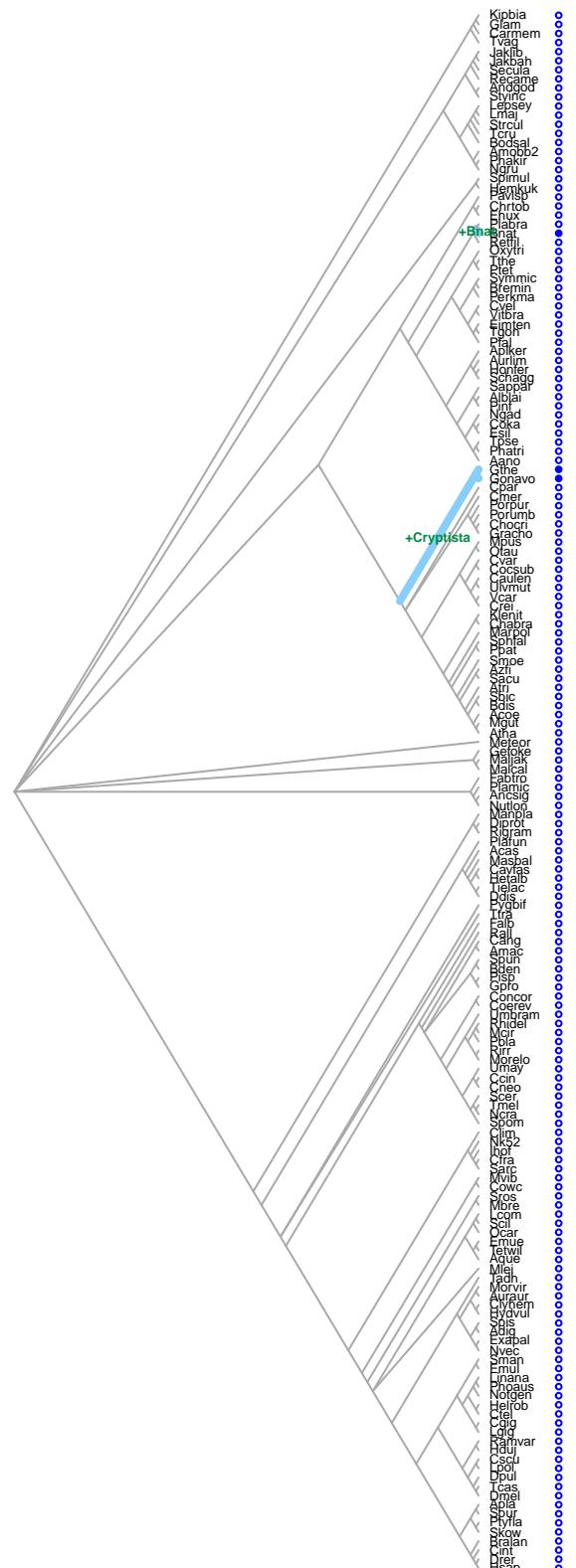
Present: 13

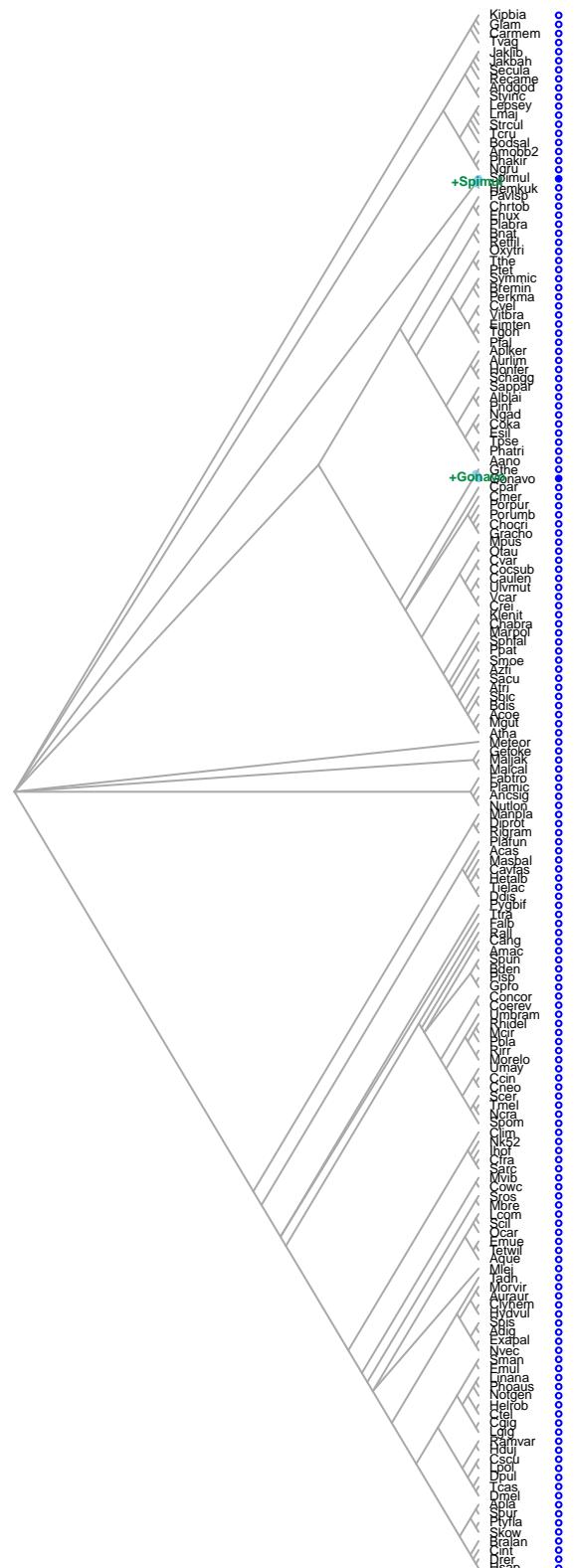
Losses: NA



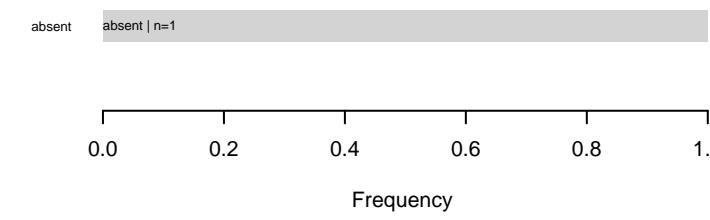
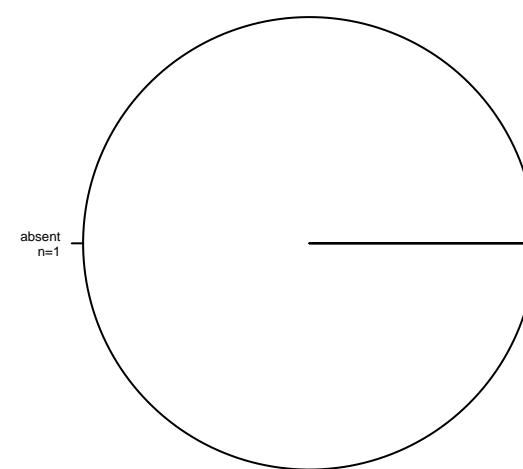
absent | n=1





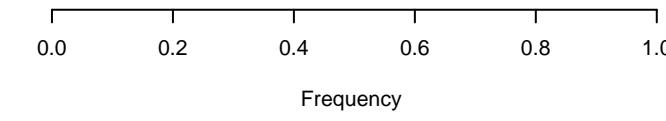
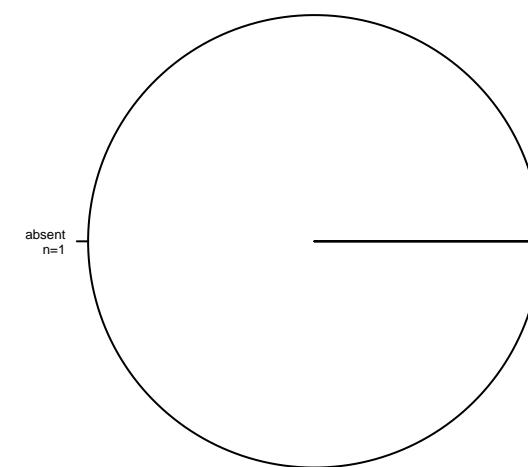
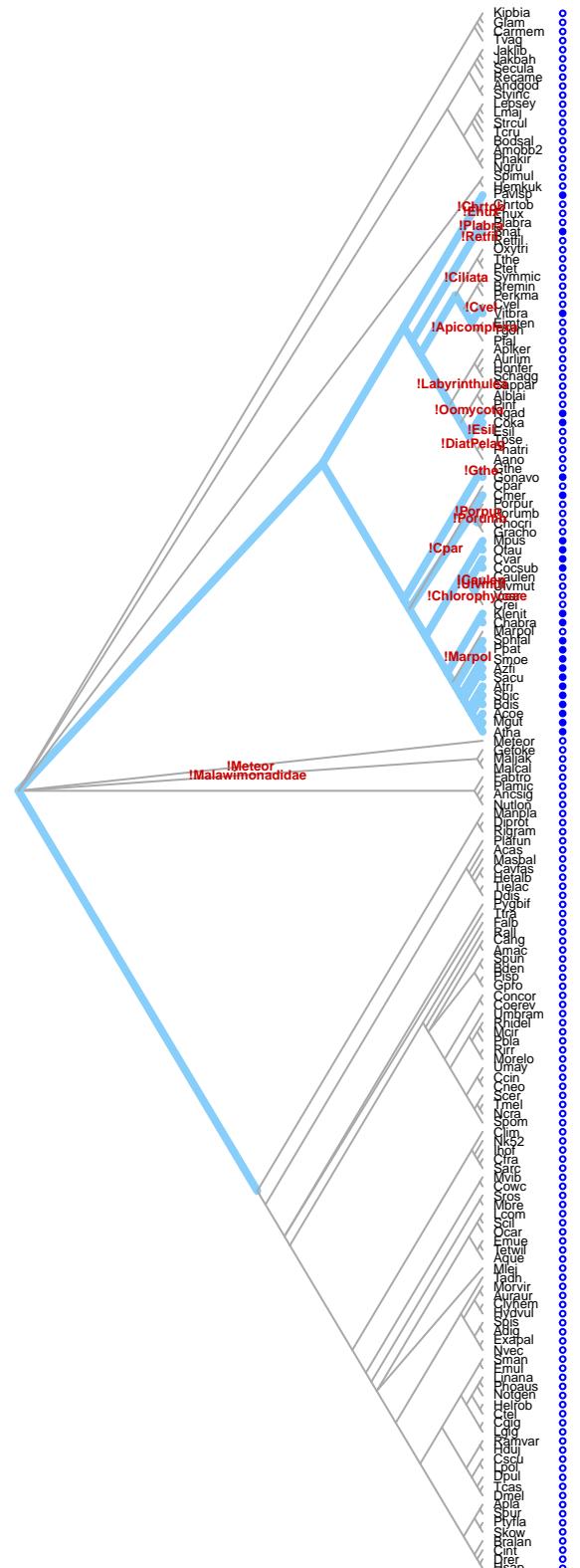


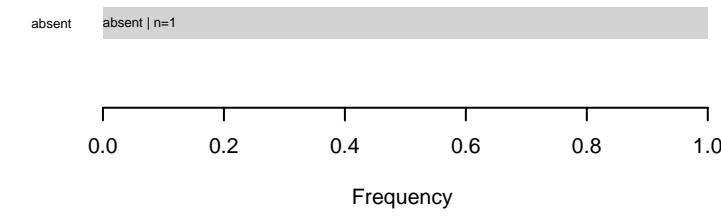
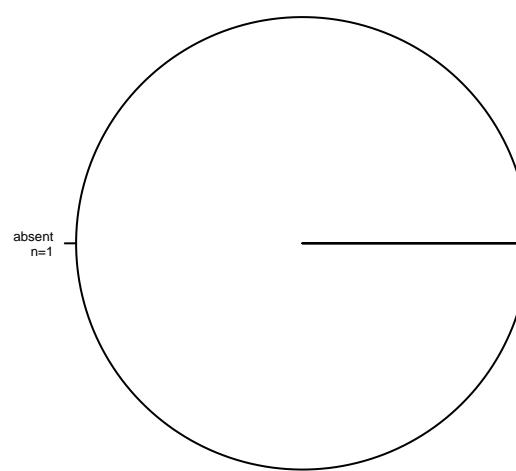
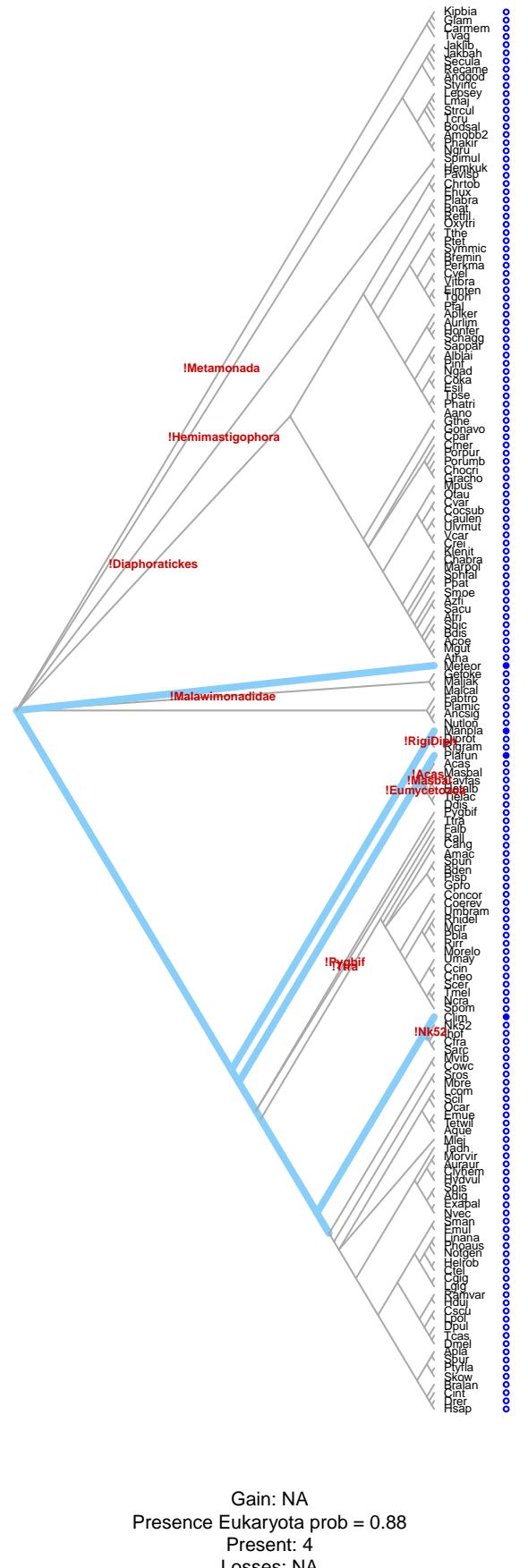
Gain: Gonavo, Spimul, NA
Presence Eukaryota prob = 0.01
Present: 2
Losses: NA

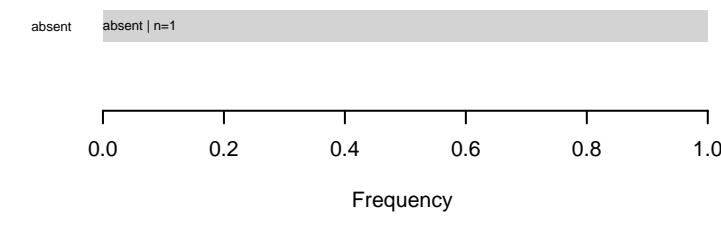
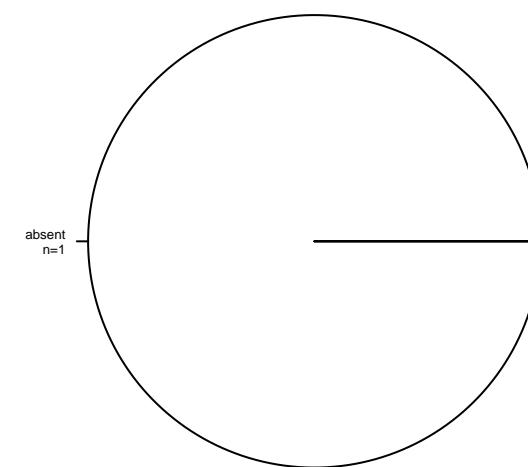
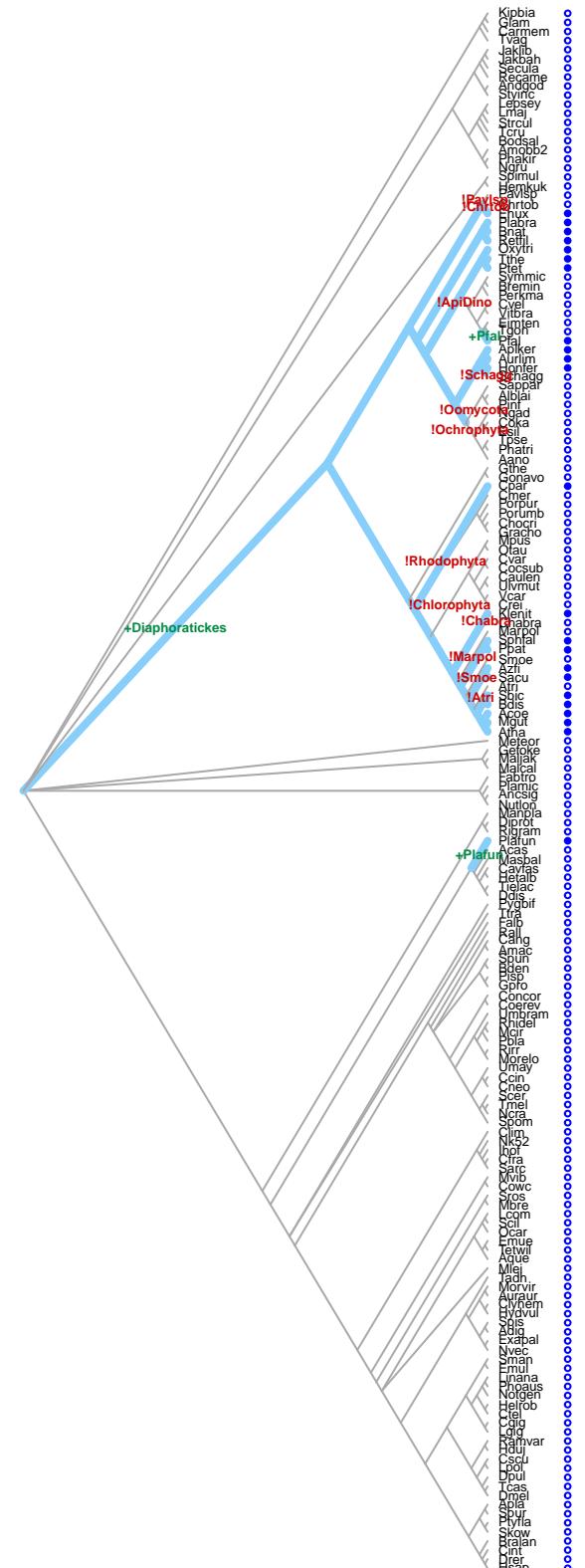


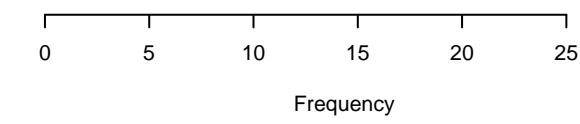
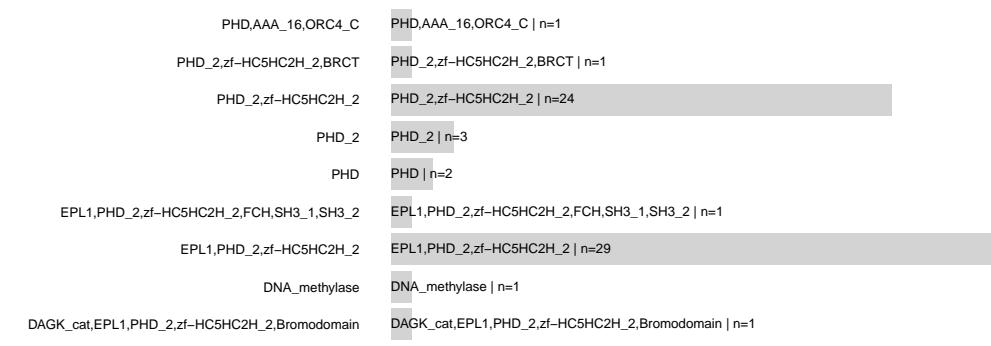
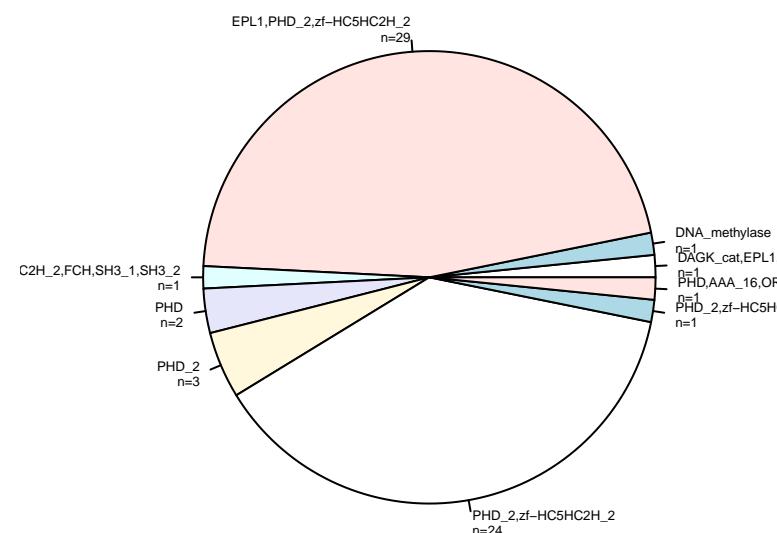
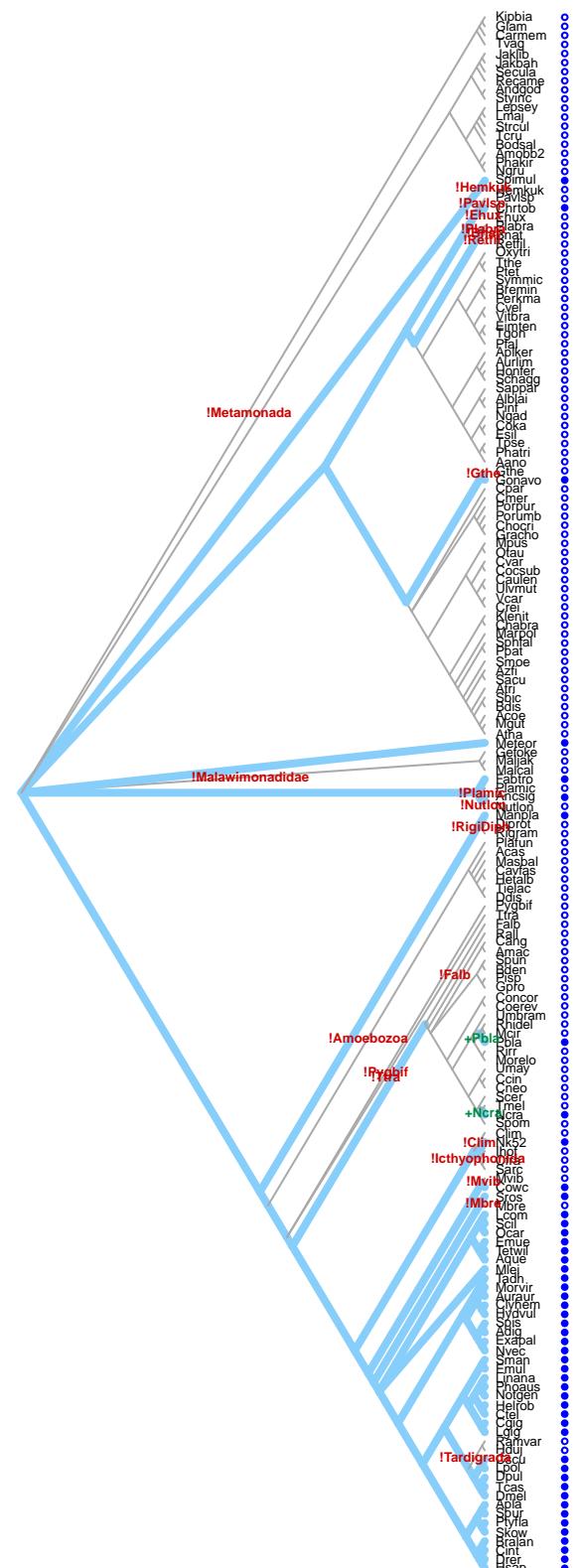
0.0 0.2 0.4 0.6 0.8 1.0

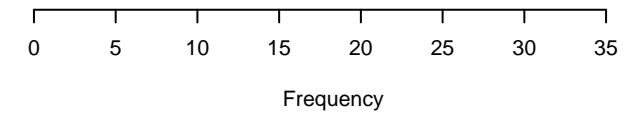
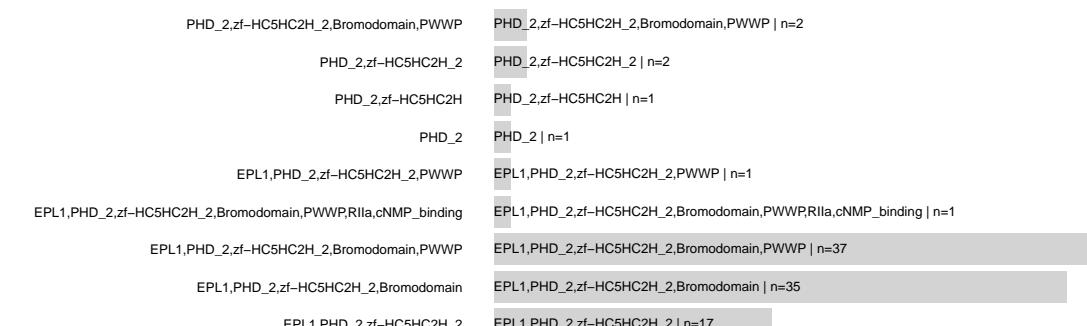
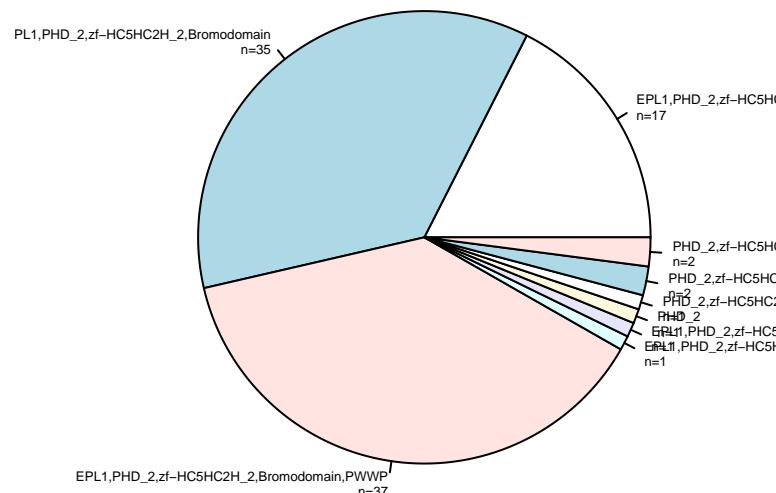
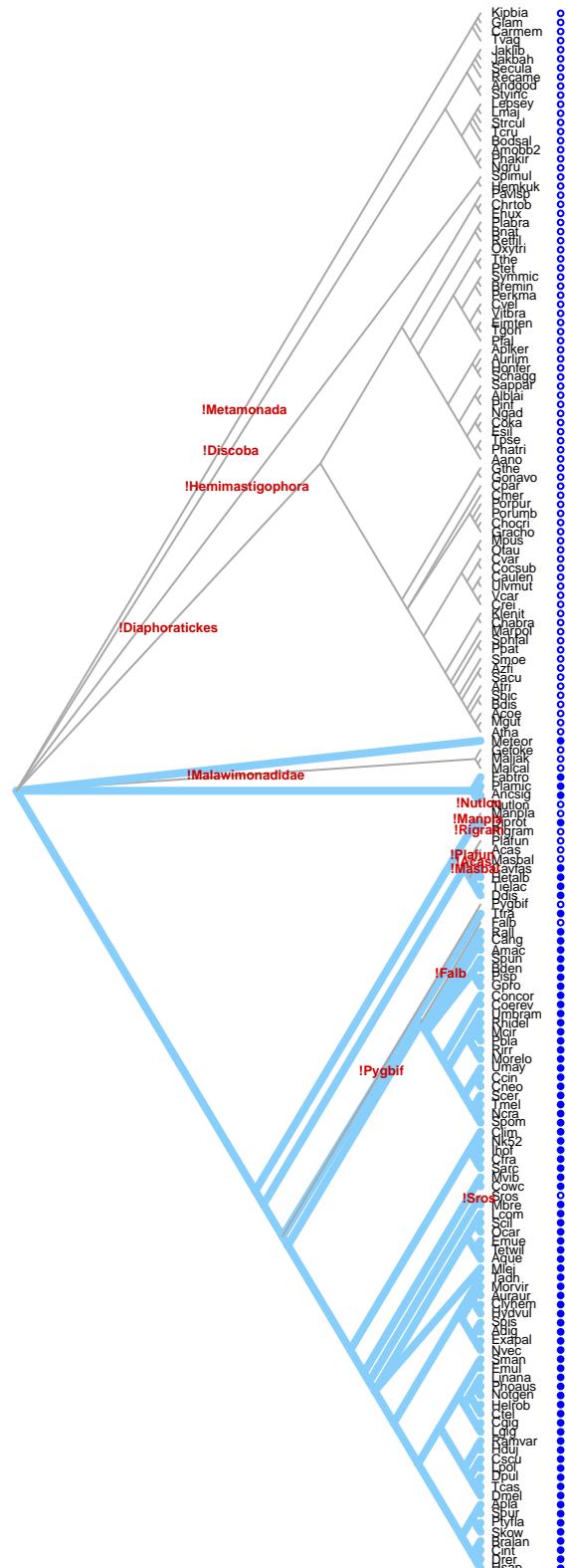
Frequency

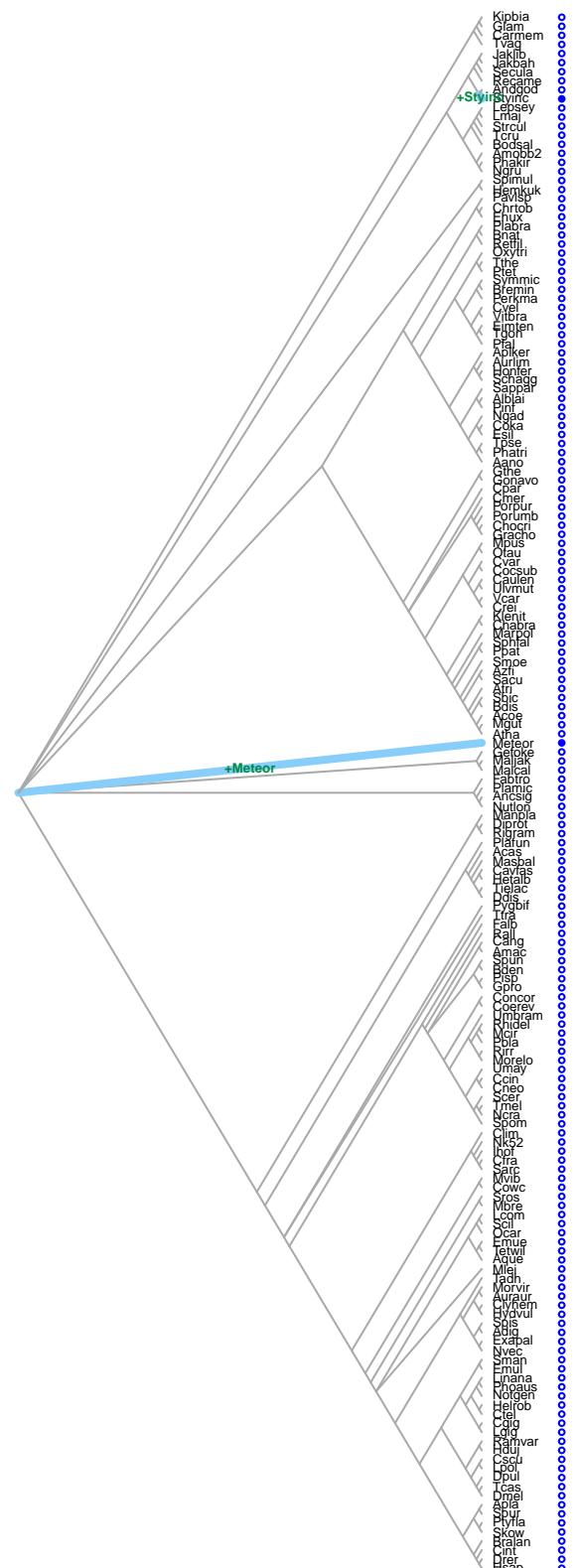




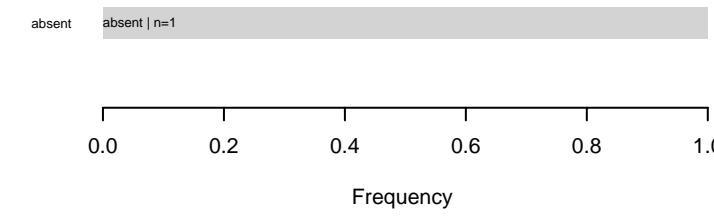
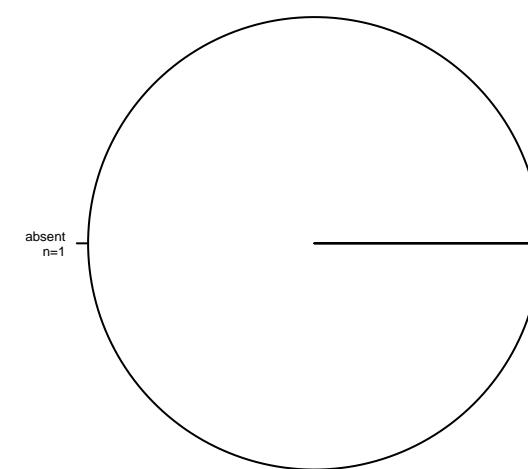


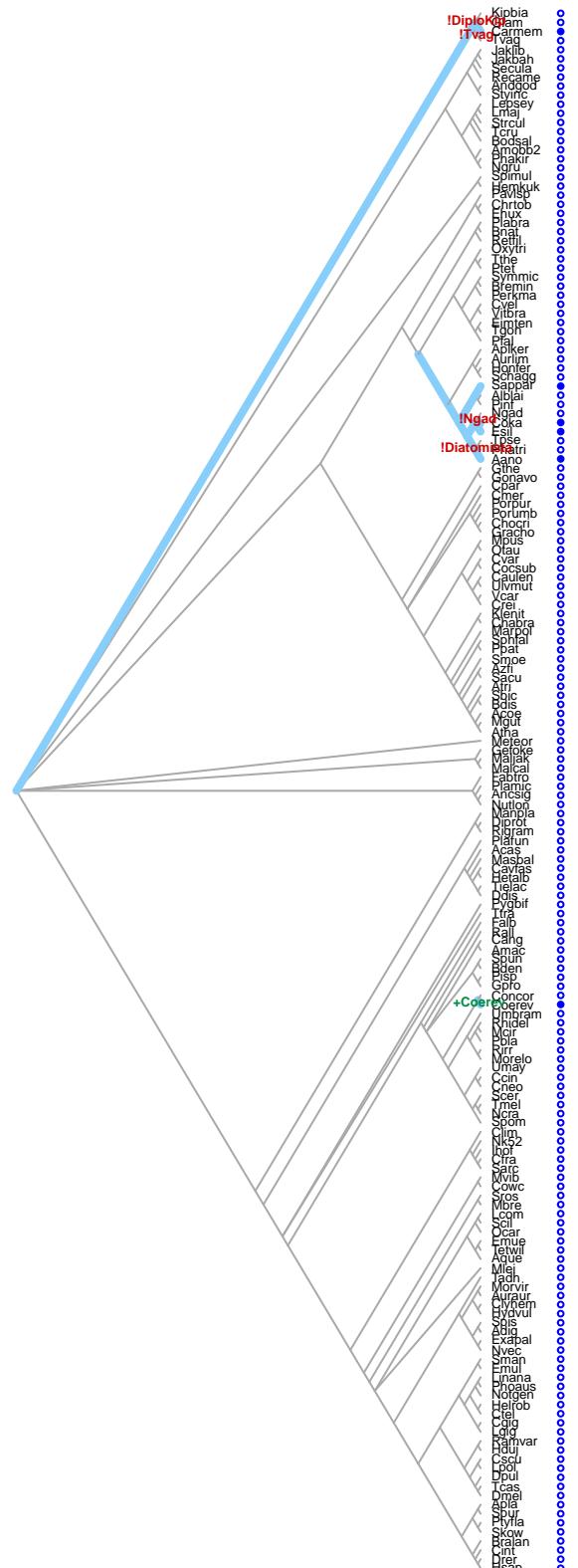




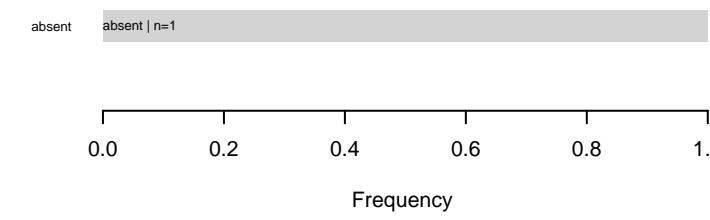
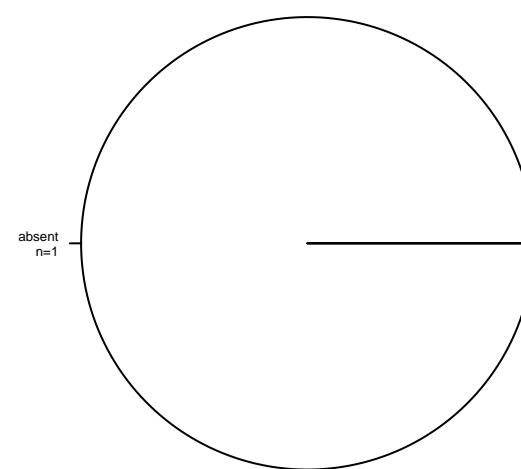


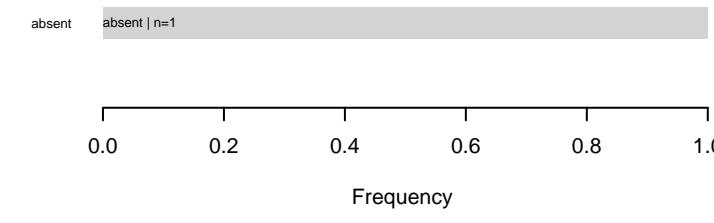
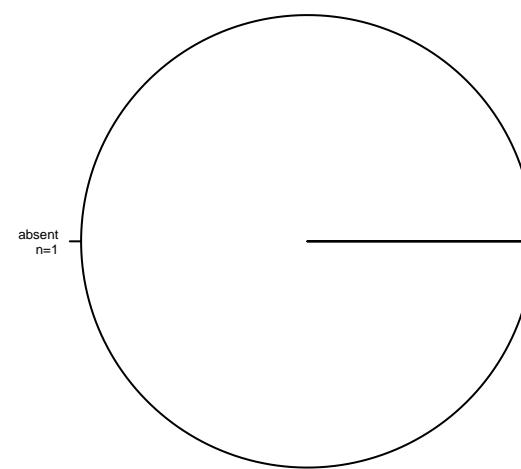
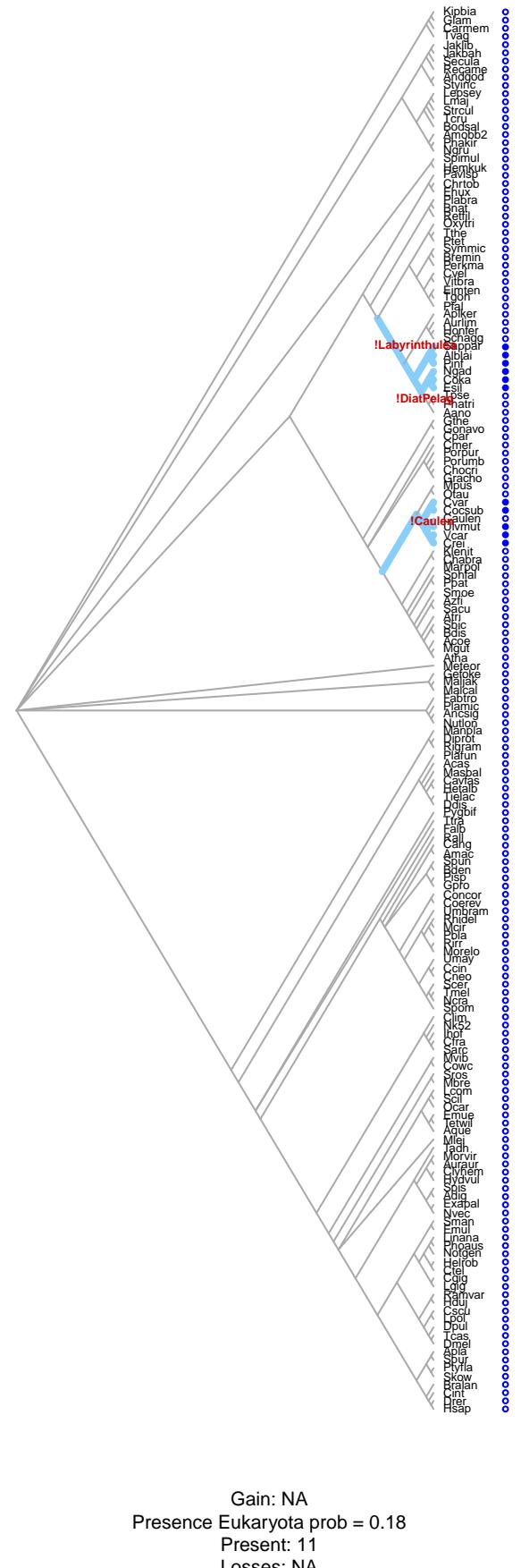
Gain: Meteor,Styinc,NA
Presence Eukaryota prob = 0.06
Present: 2
Losses: NA

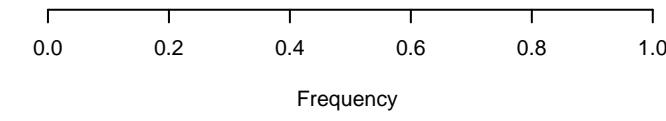
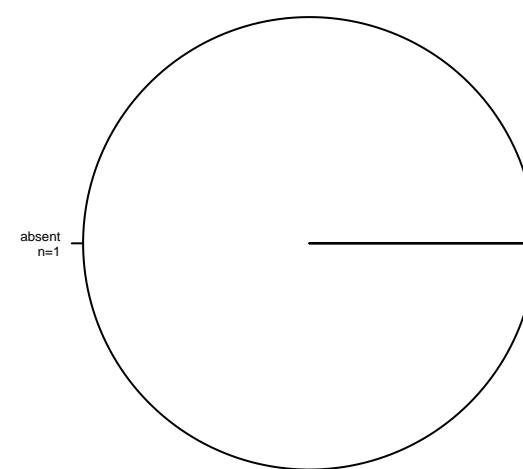
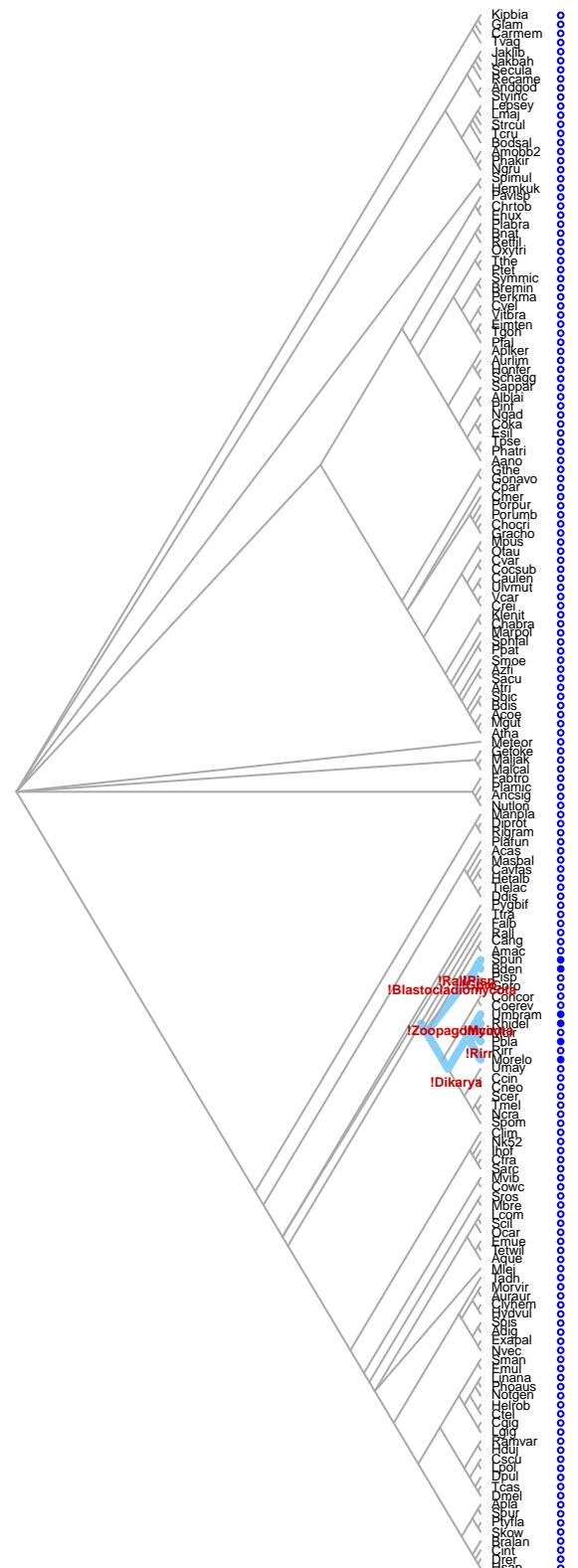




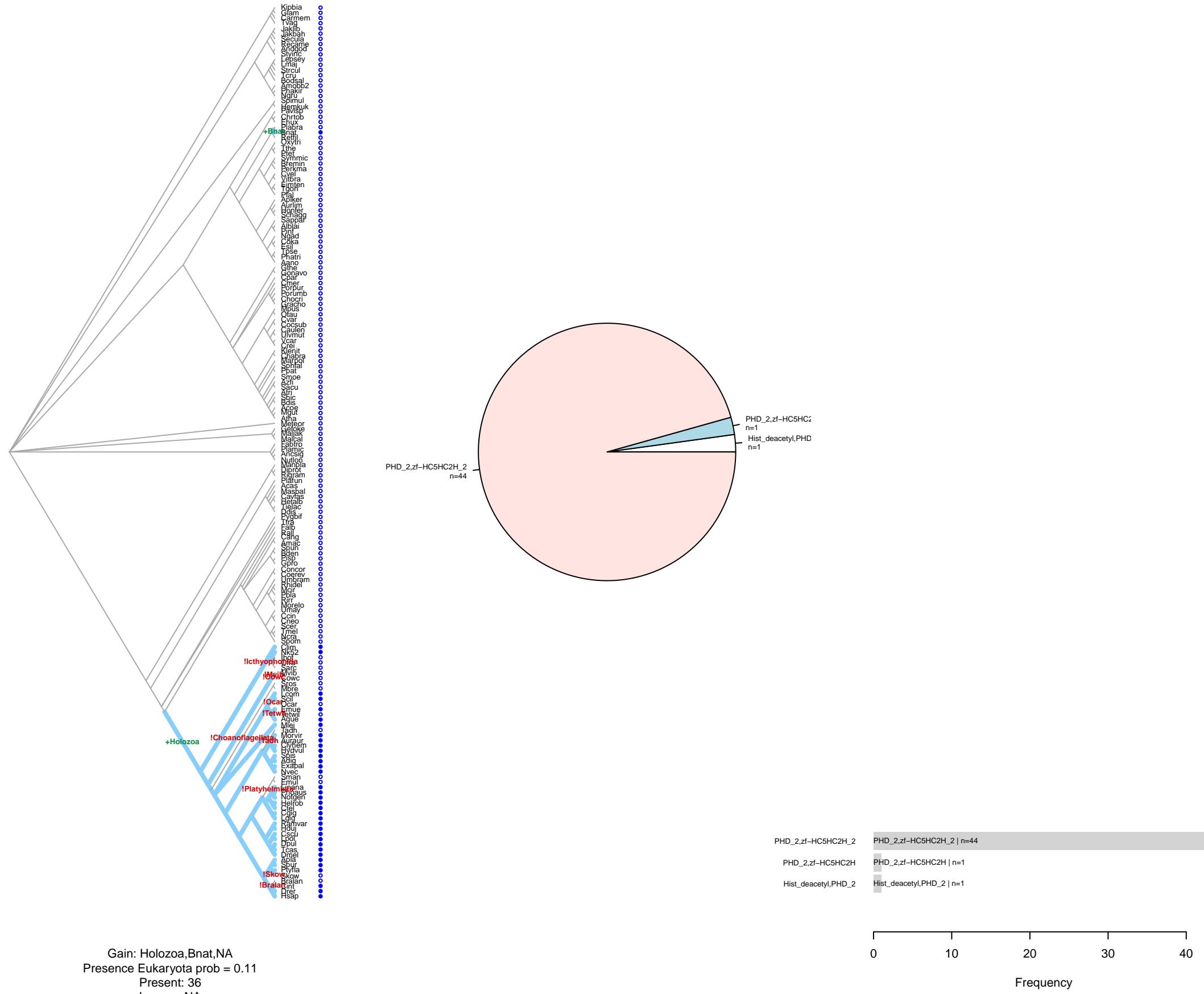
Gain: Coerev,NA
Presence Eukaryota prob = 0.03
Present: 6
Losses: NA

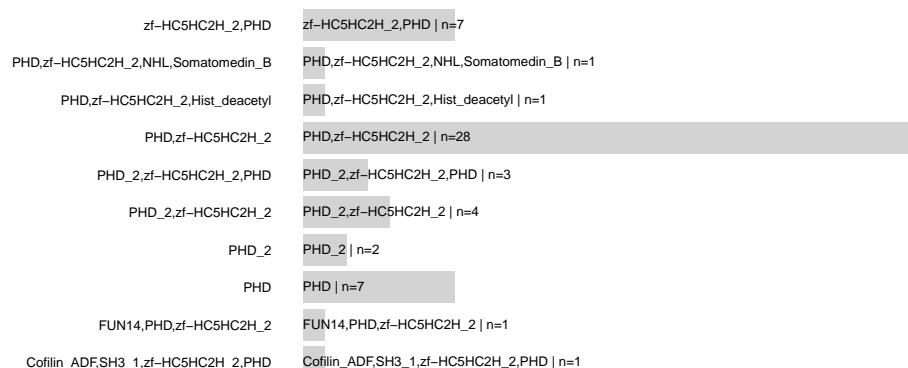
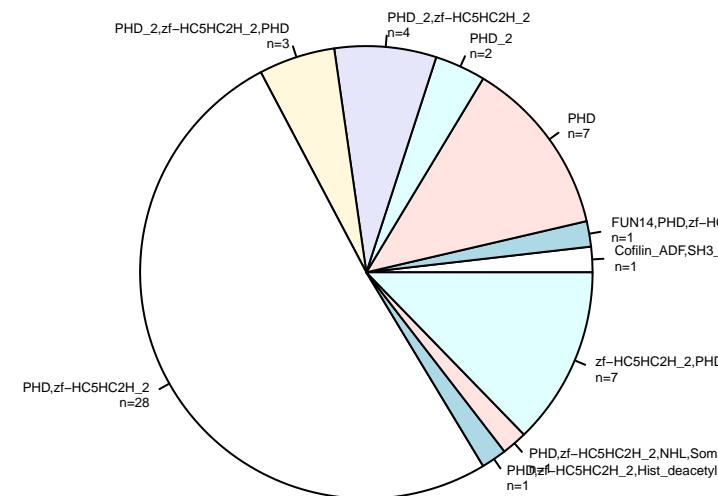
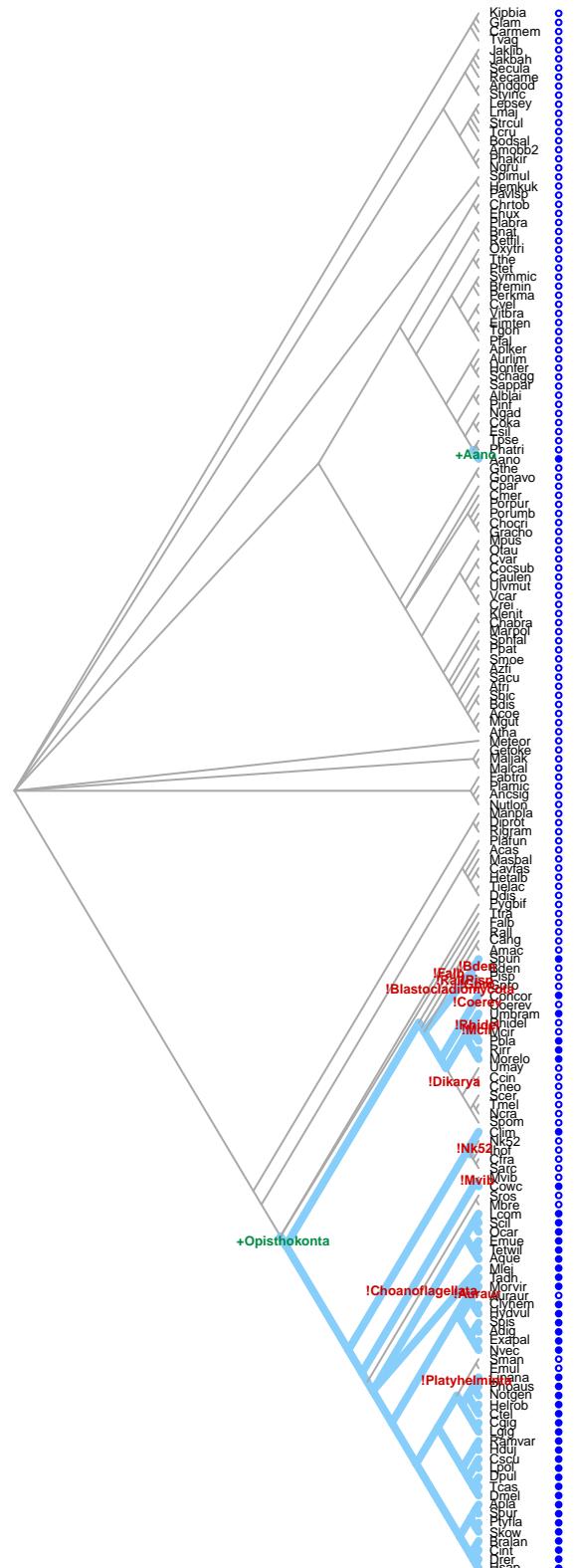






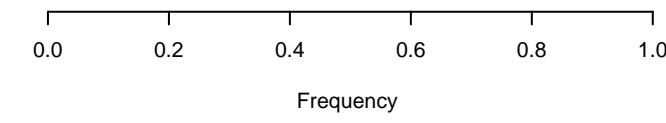
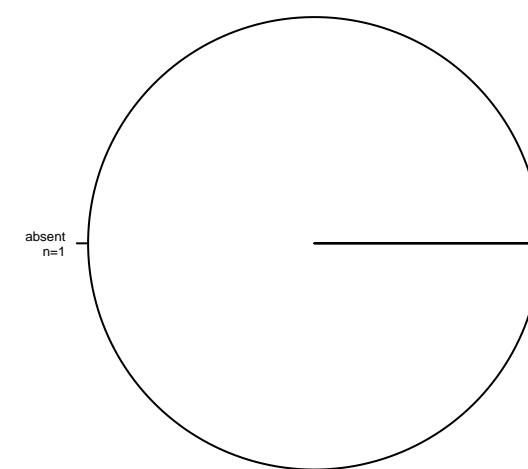
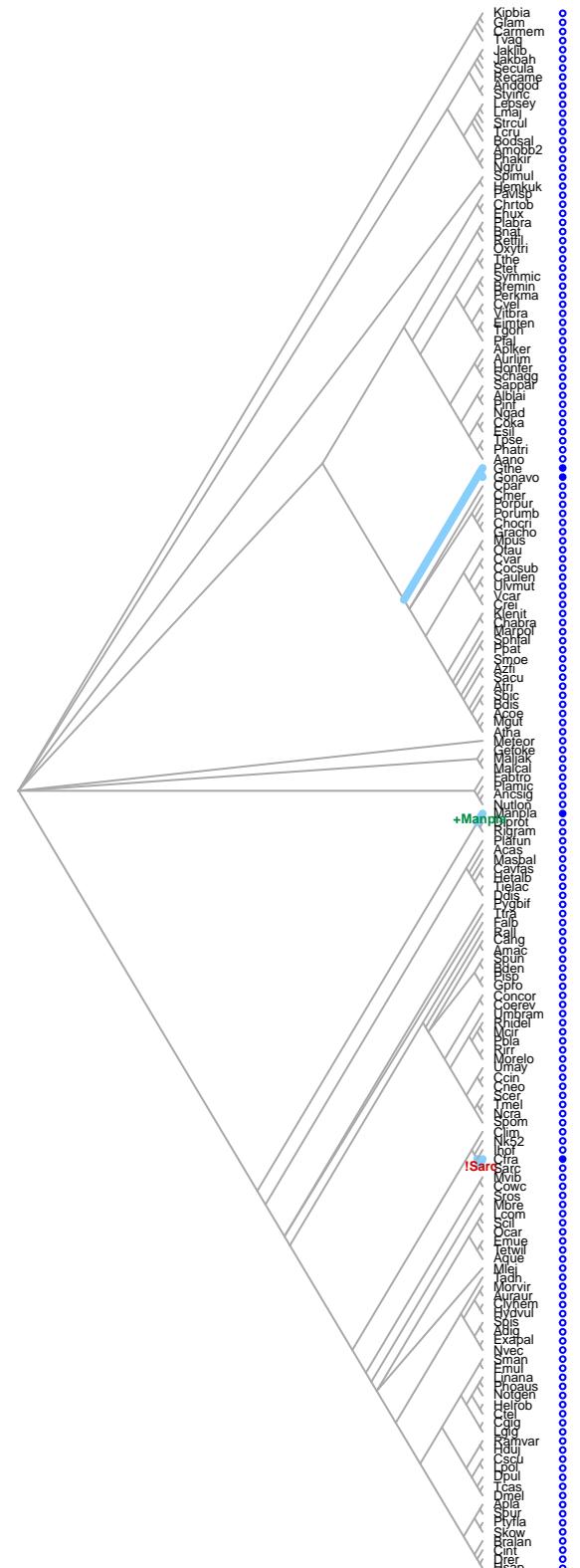
PHD.HG2.4
MLLT6/MLLT10

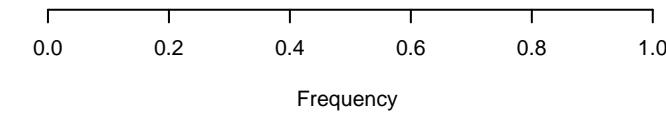
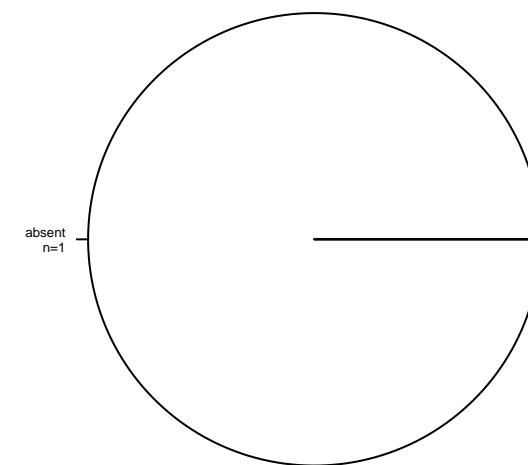
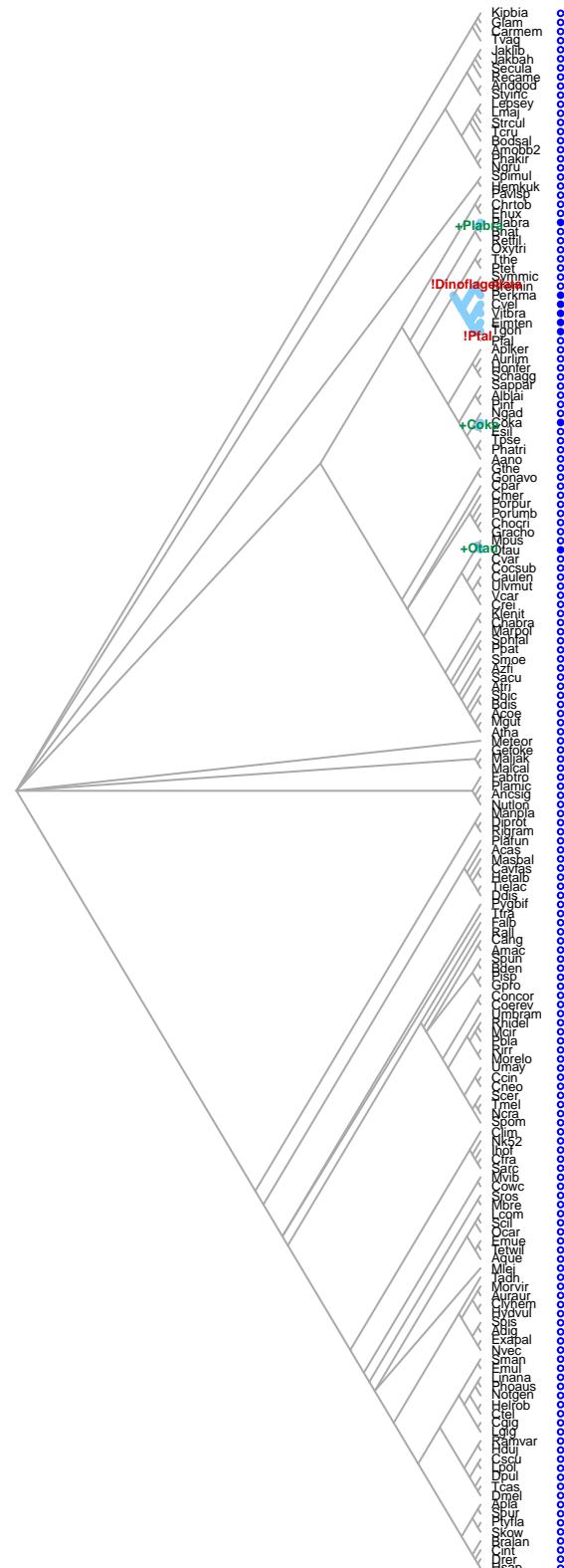


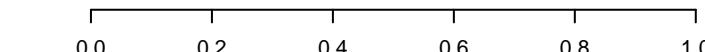
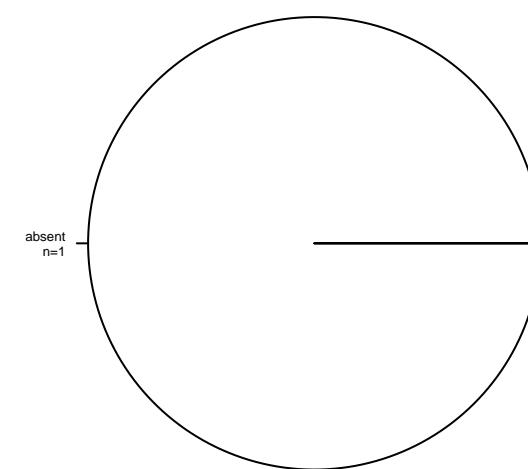
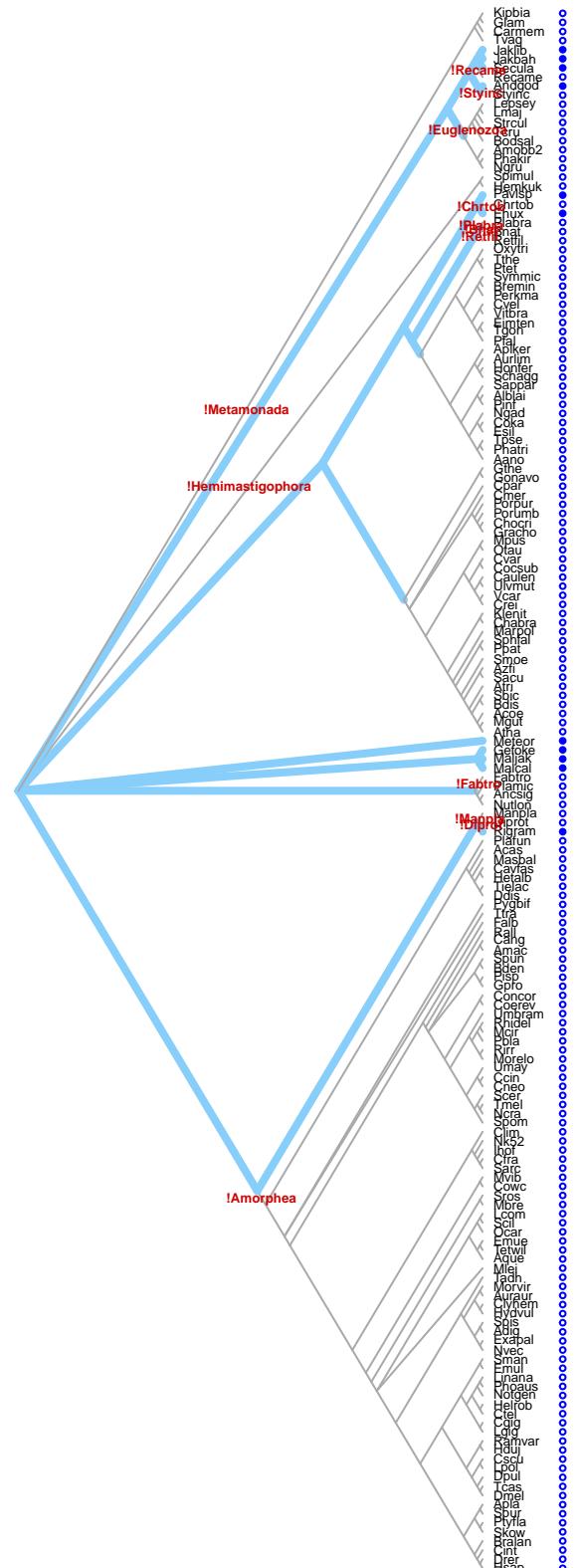


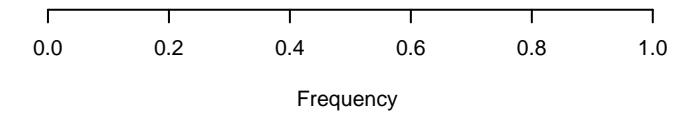
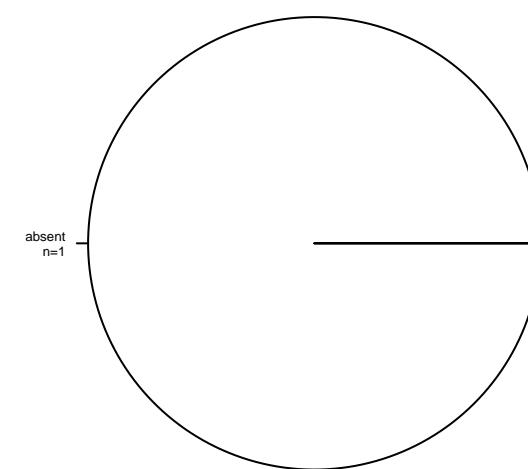
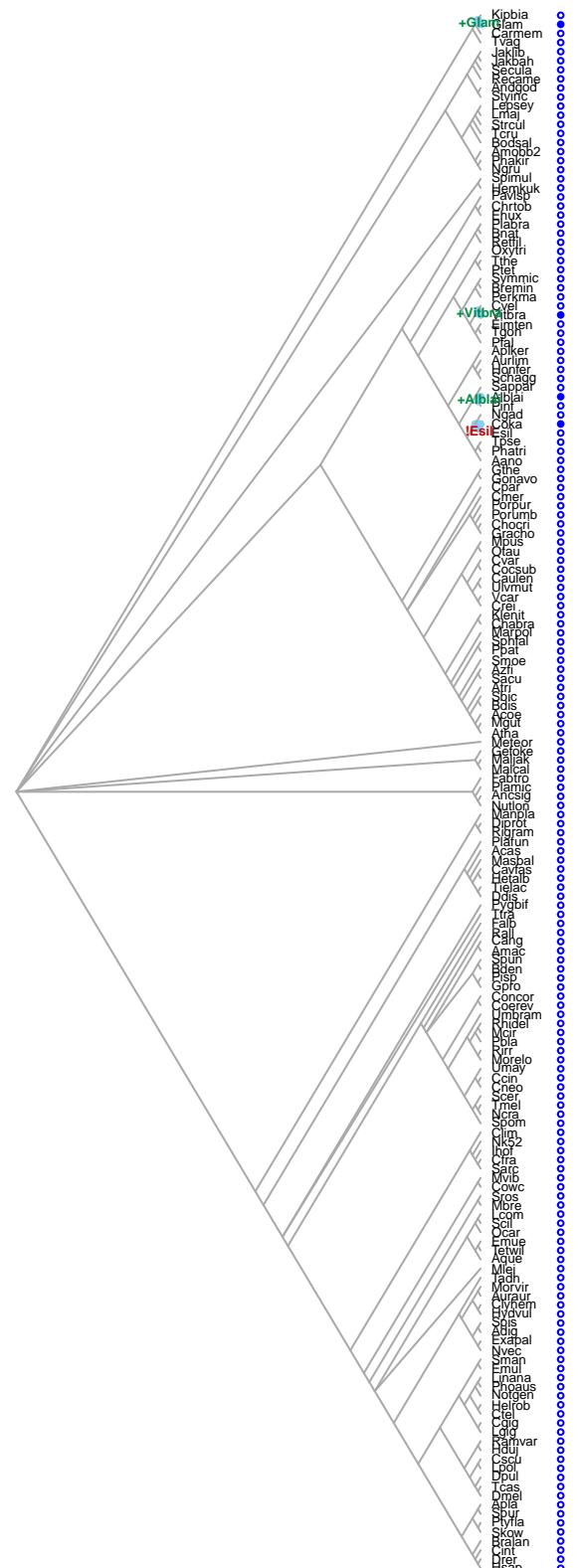
0 5 10 15 20 25

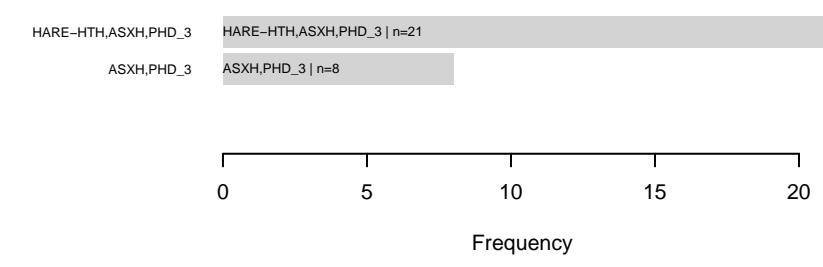
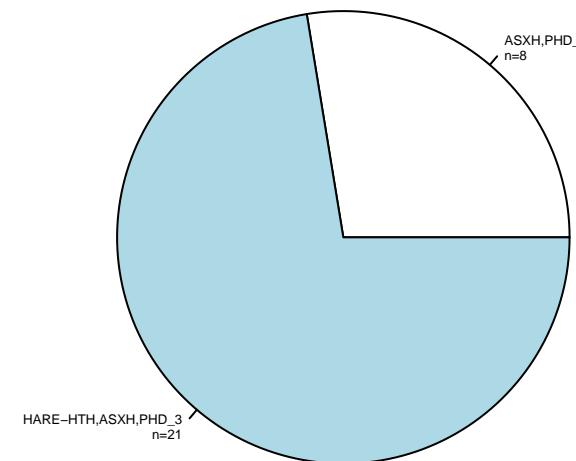
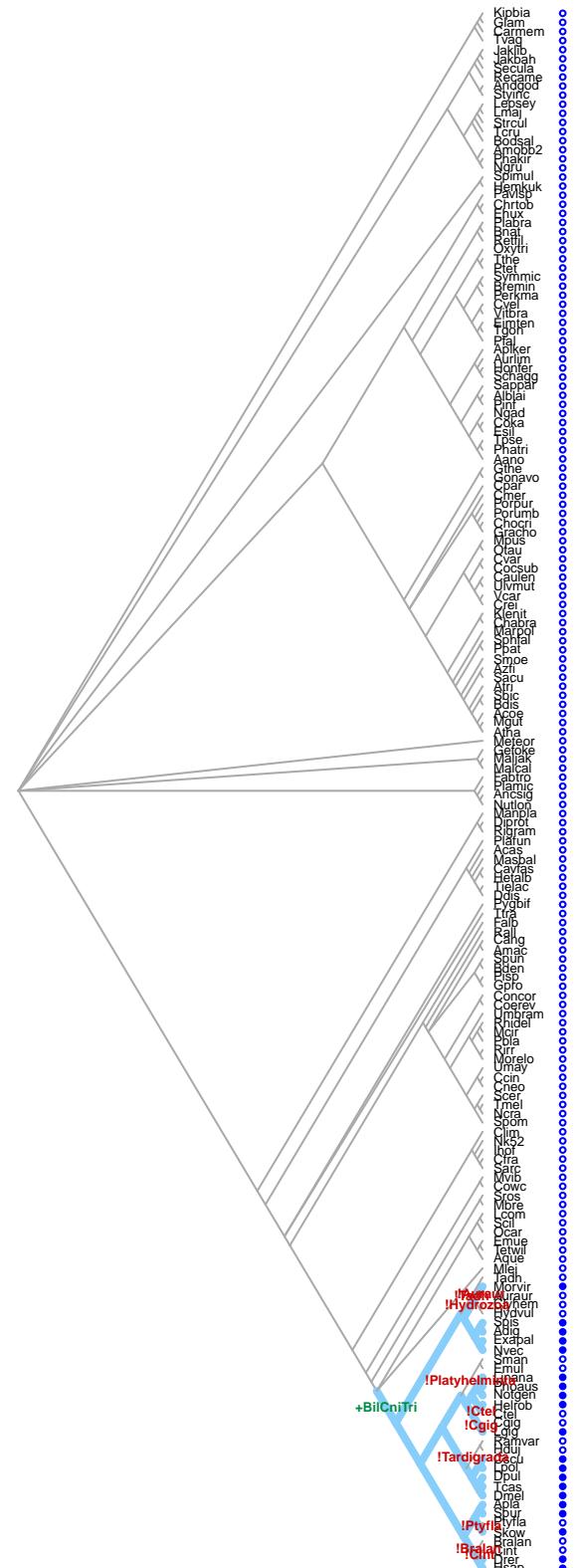
Frequency

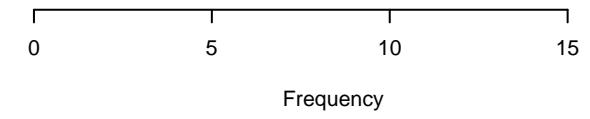
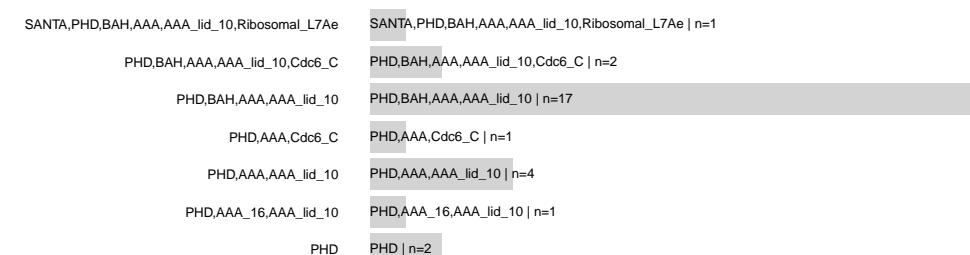
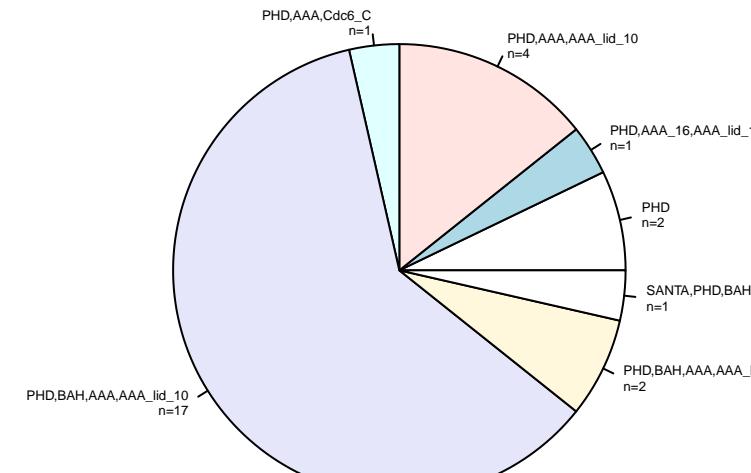
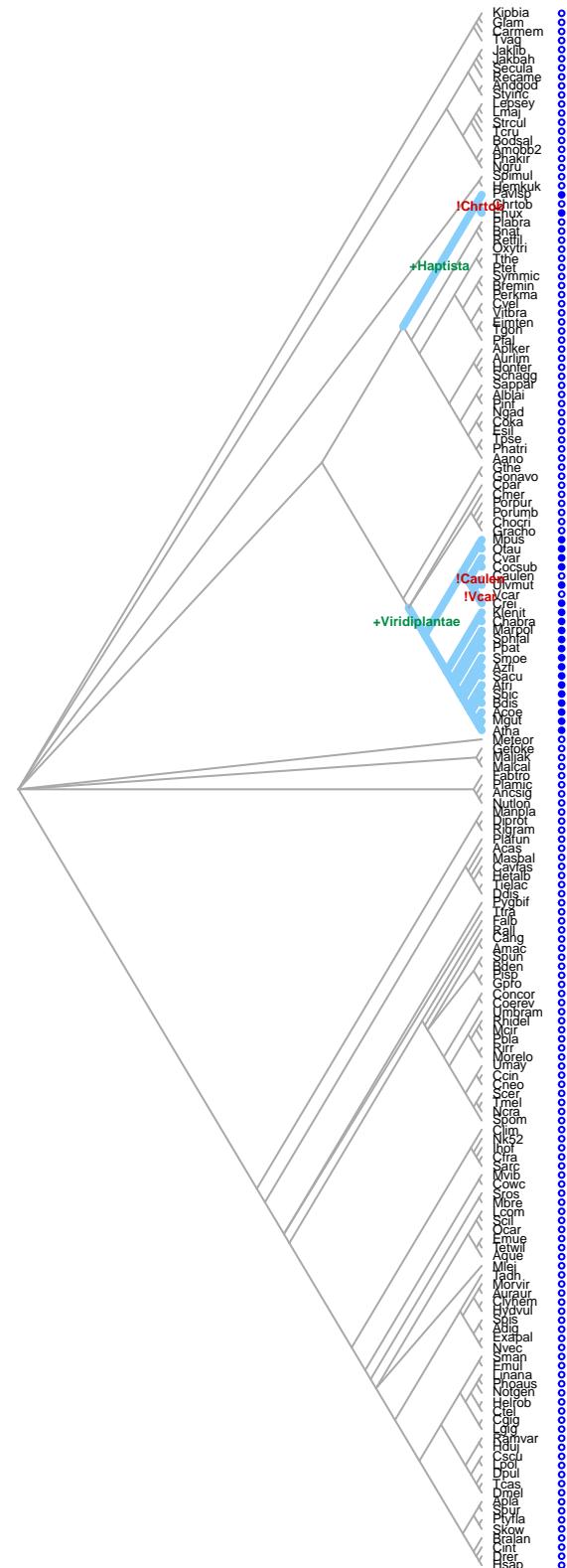




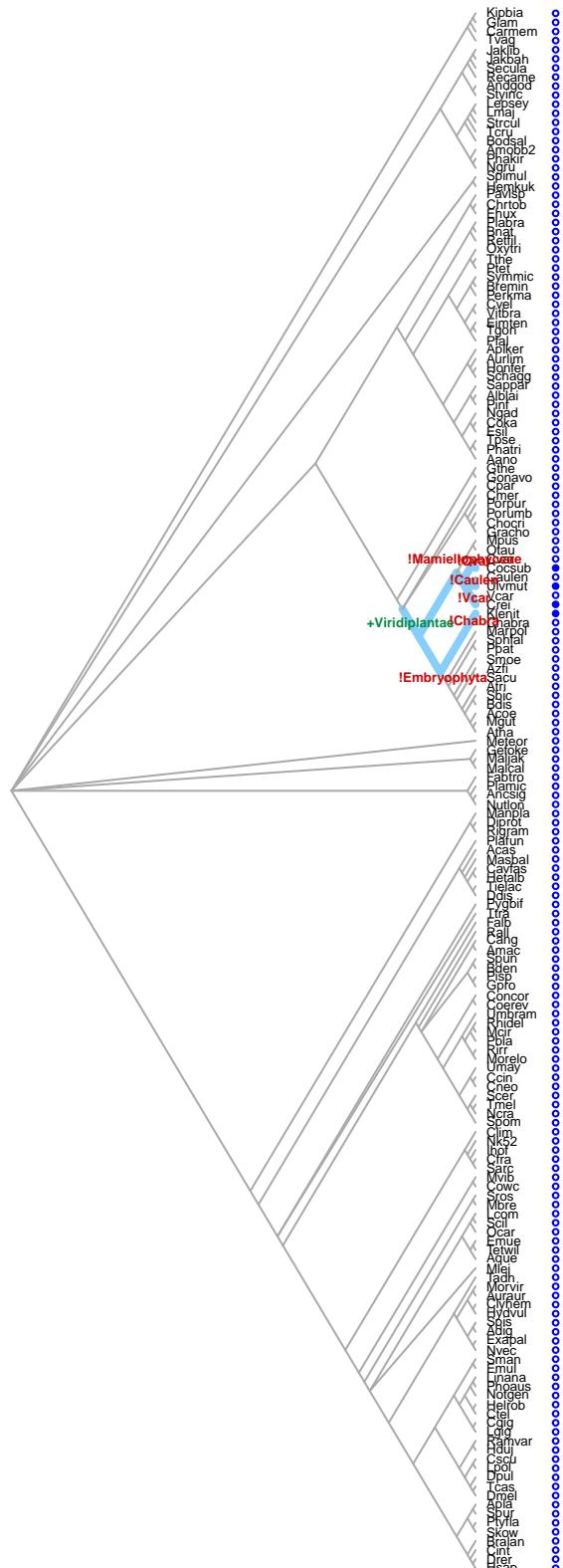




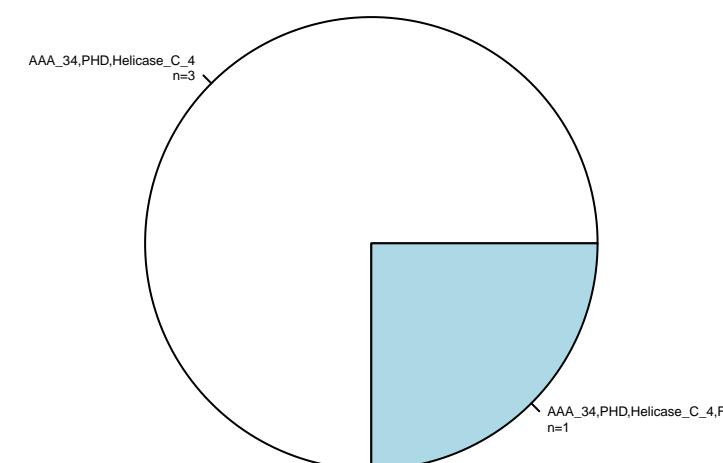




PHD.HG23.0
NA



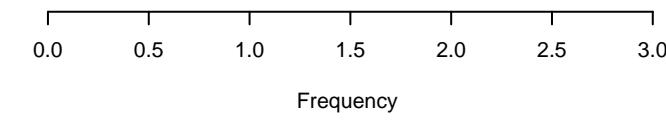
Gain: Viridiplantae, NA
Presence Eukaryota prob = 0.09
Present: 4
Losses: NA

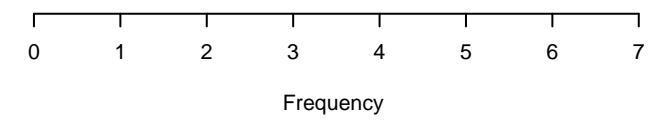
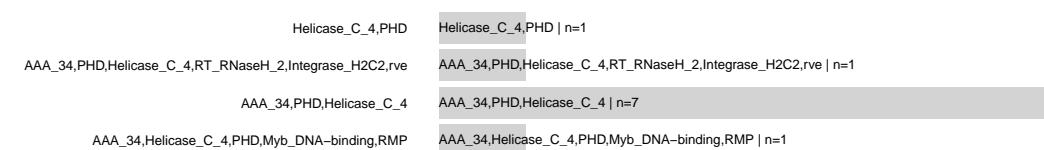
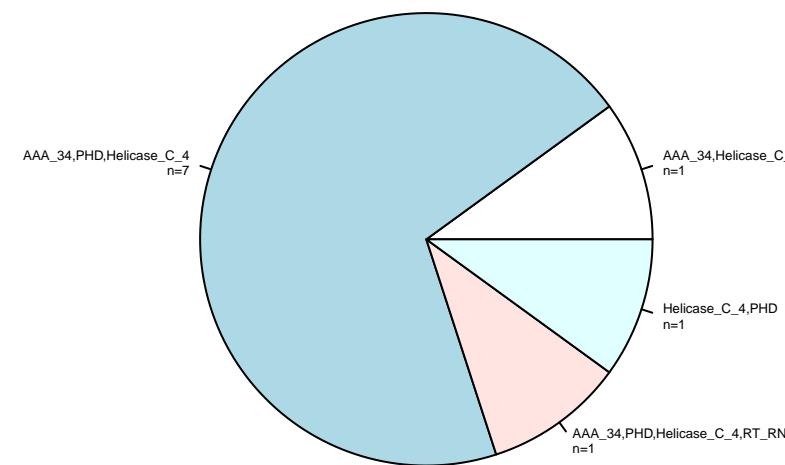
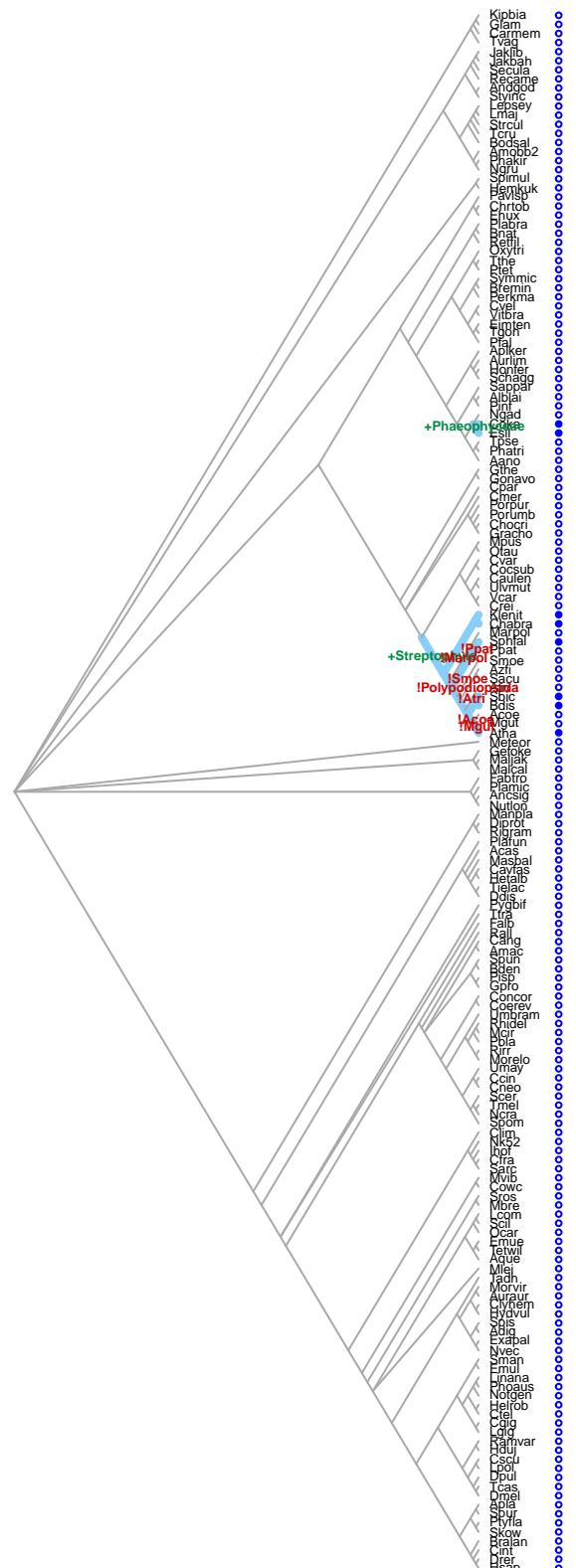


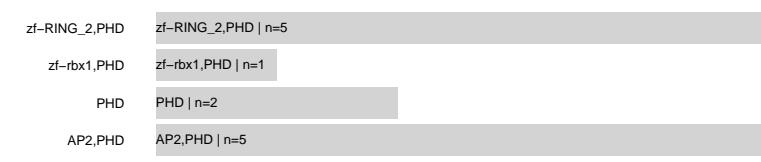
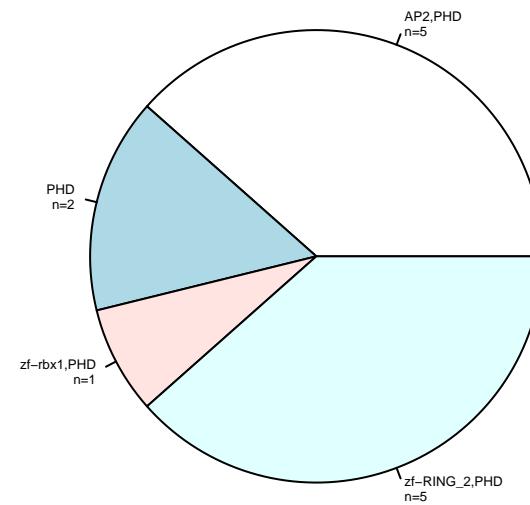
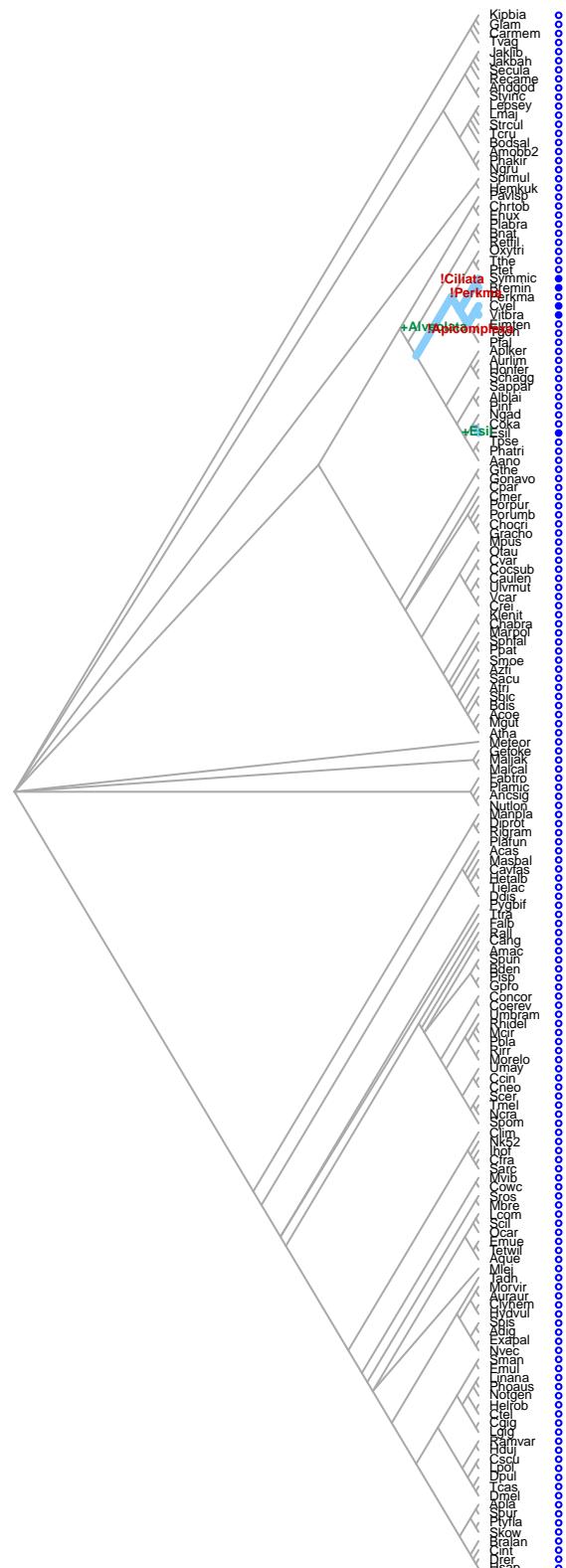
ANSWER WITH 3-4 WORDS

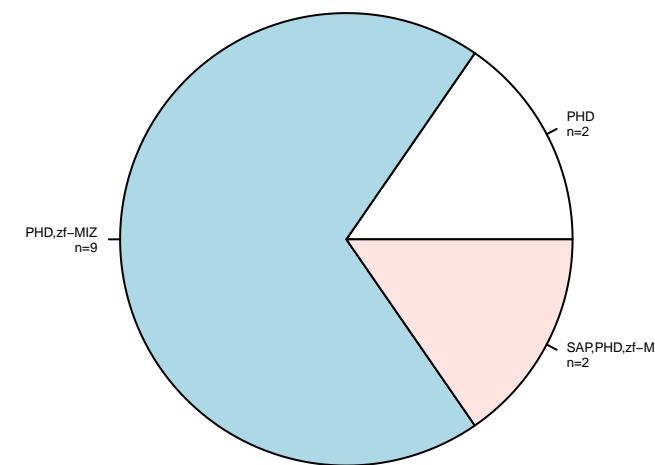
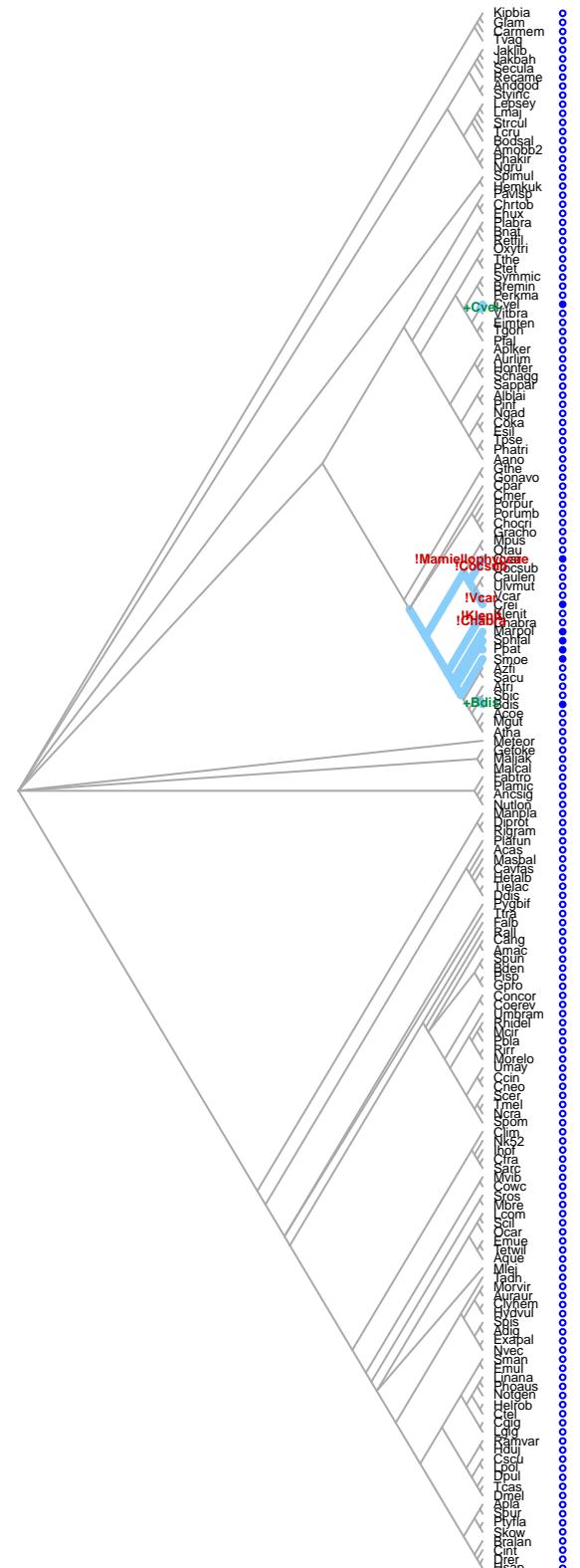
AAA-24-PUB-Updated-2

AAA-34-PUD-Unitized-C-41-a





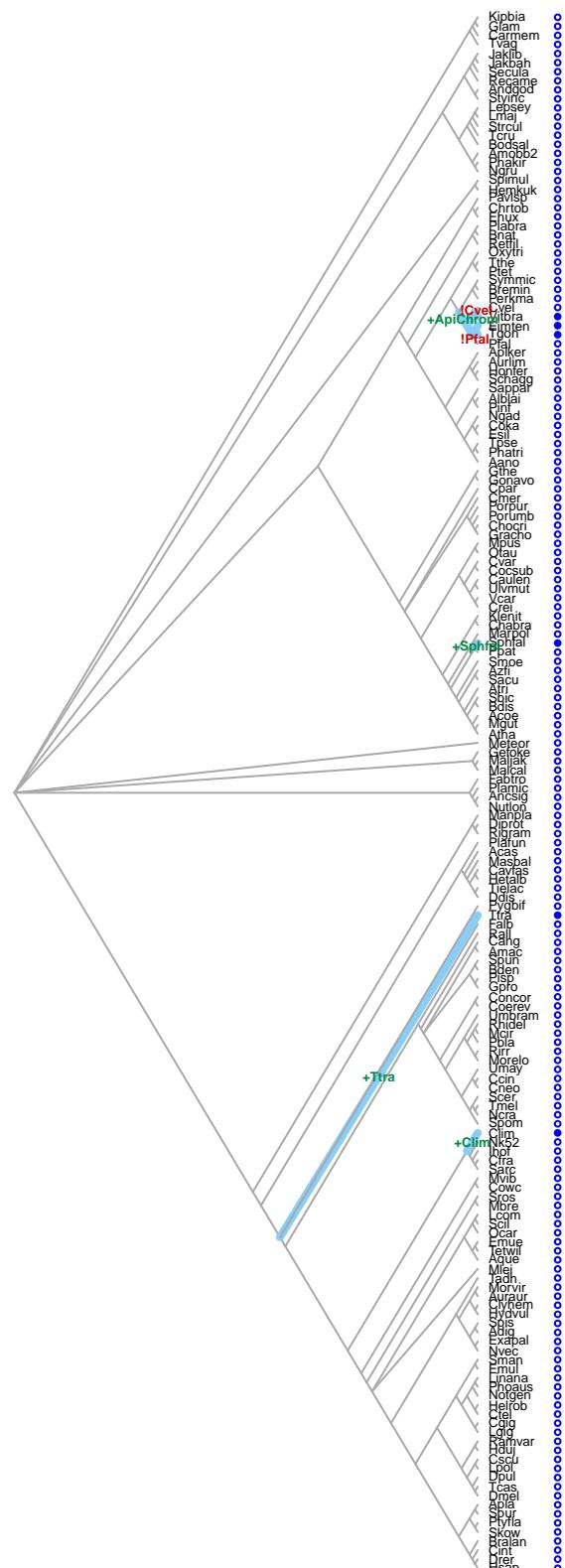




0 2 4 6 8

Frequency

PHD.HG26.0
NA

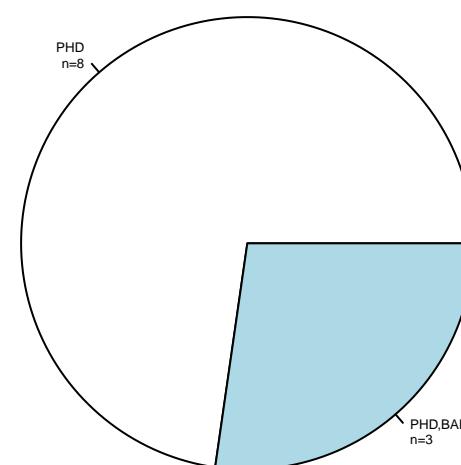


Gain: Clim,Ttra,Sphfal,ApiChrom,NA

Presence Eukaryota prob = 0.00

Present: 6

Losses: NA

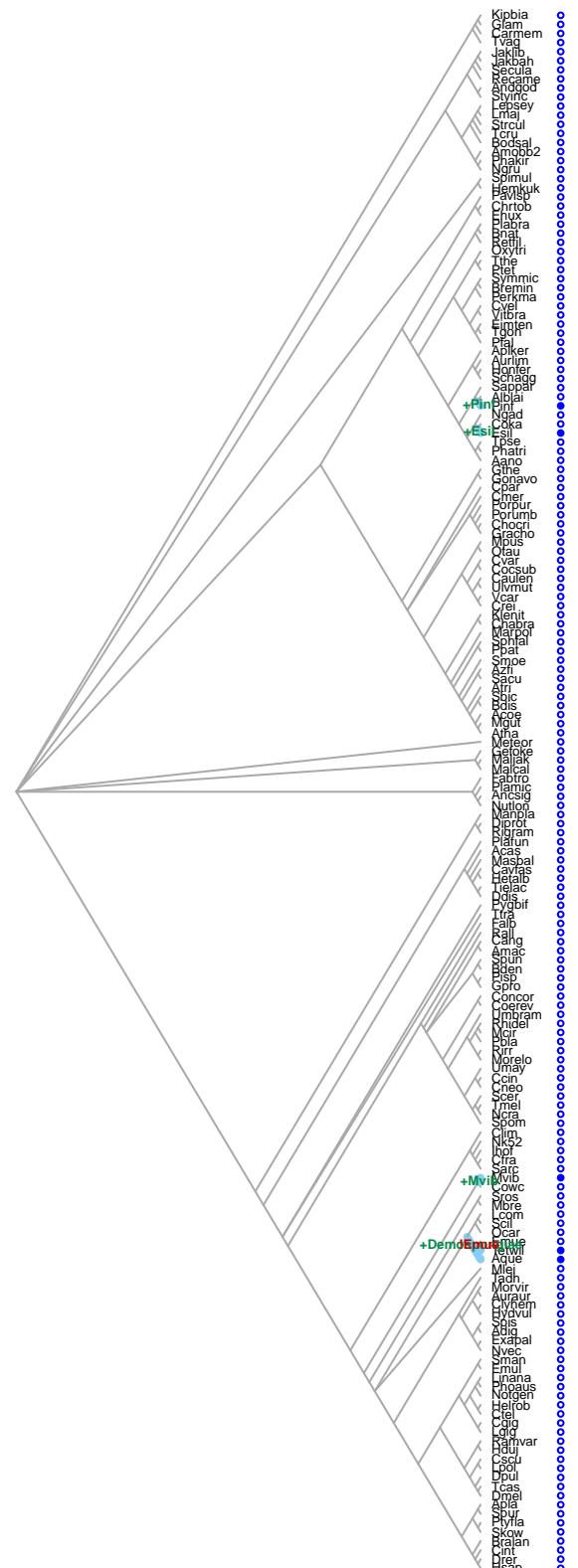


PHD,BAH | n=3

PHD | n=8

0 1 2 3 4 5 6 7 8

Frequency

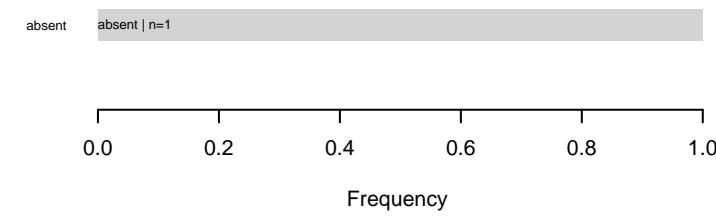
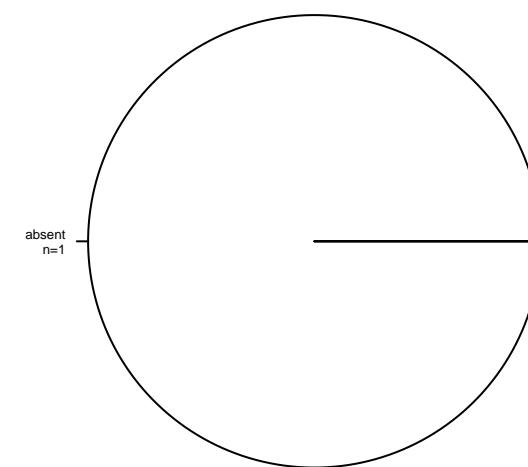


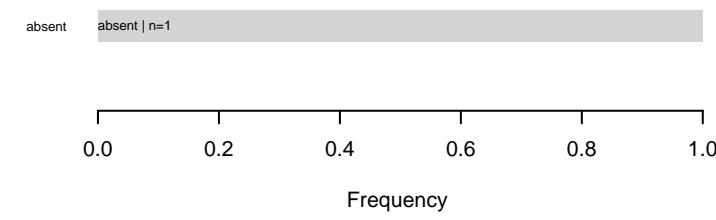
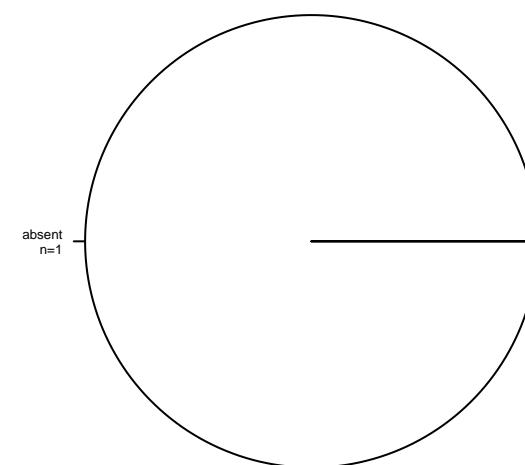
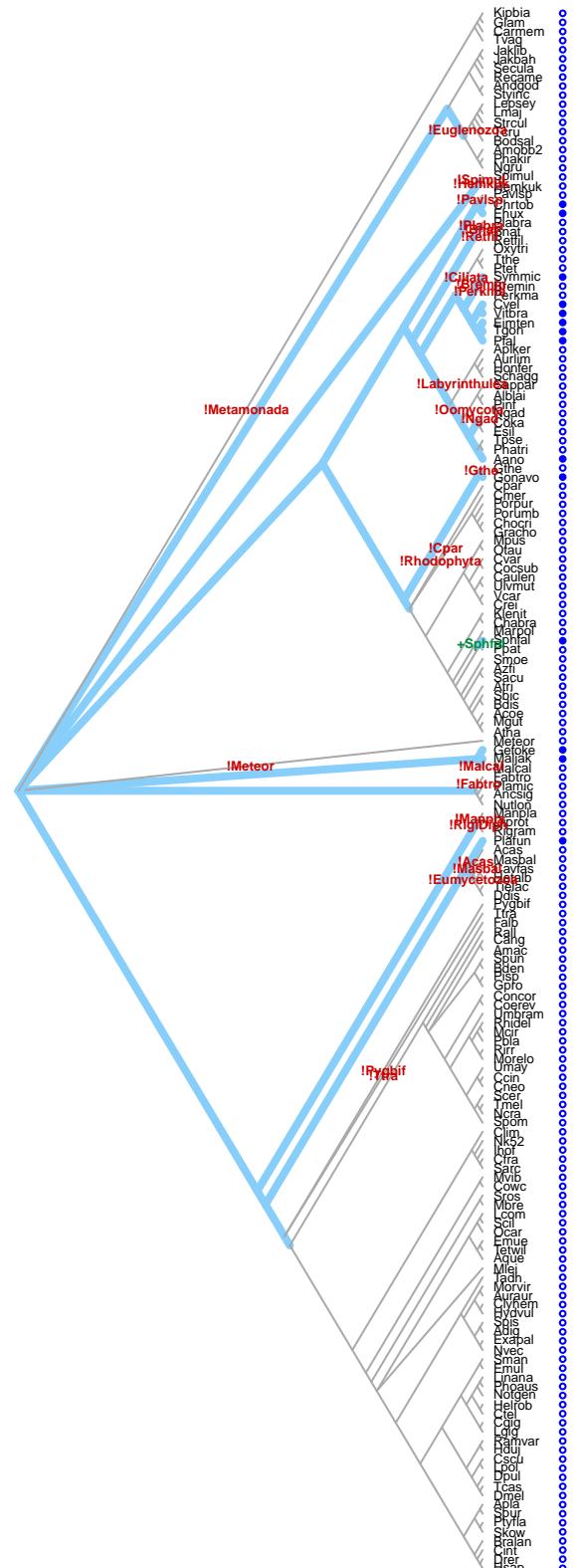
Gain: Demospongiae,Mvib,Esil,Pinf,NA

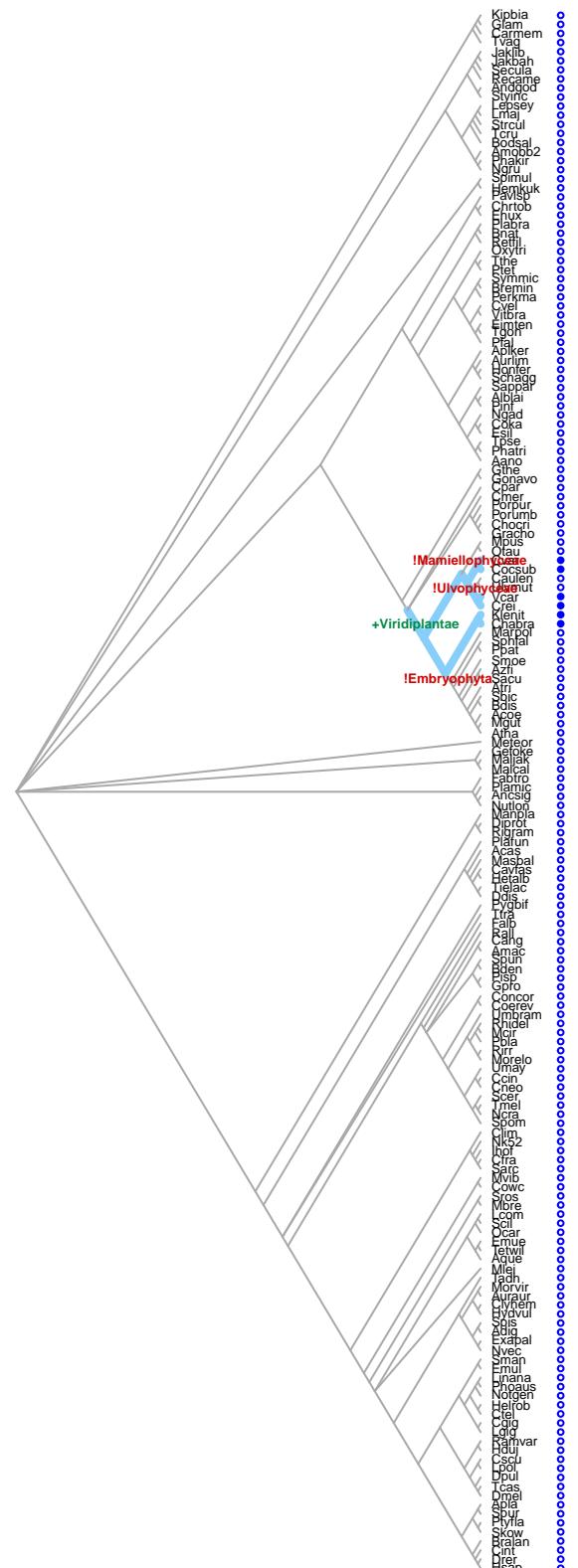
Presence Eukaryota prob = 0.00

Present: 5

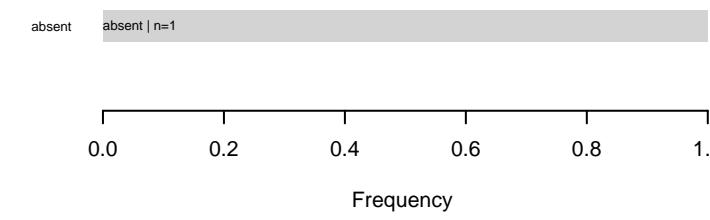
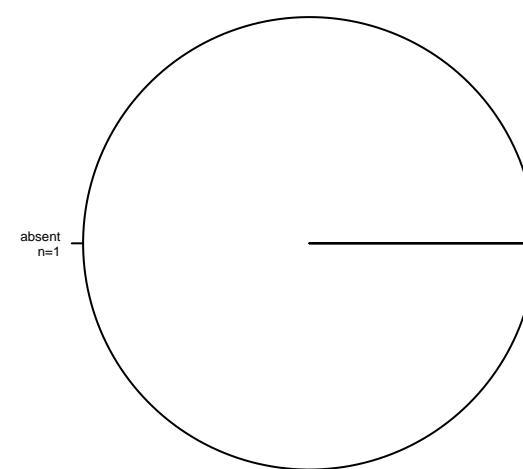
Losses: NA

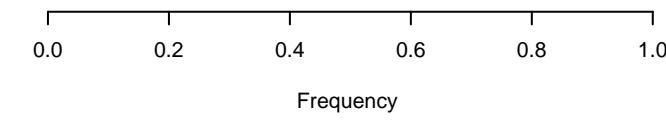
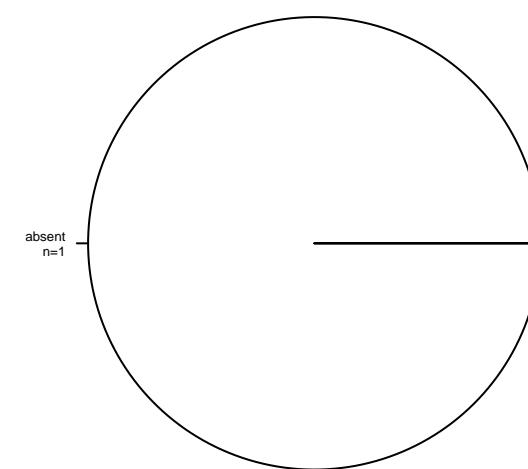
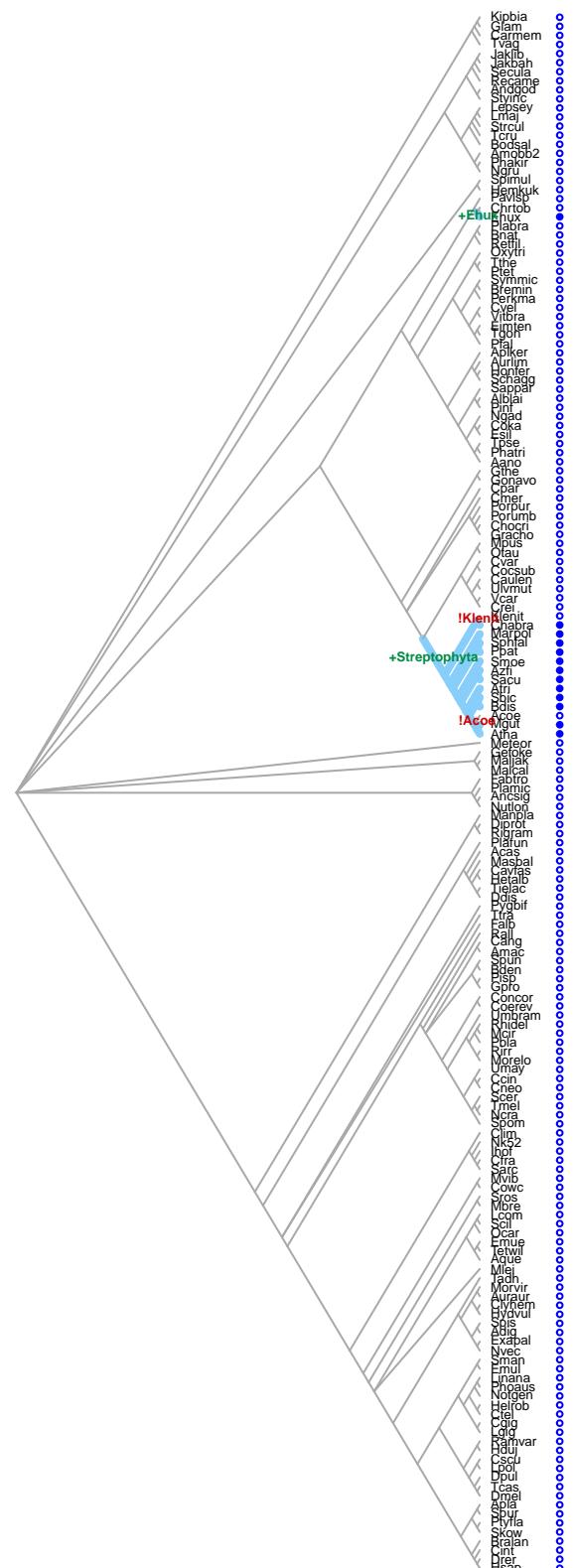


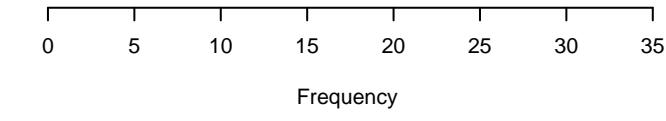
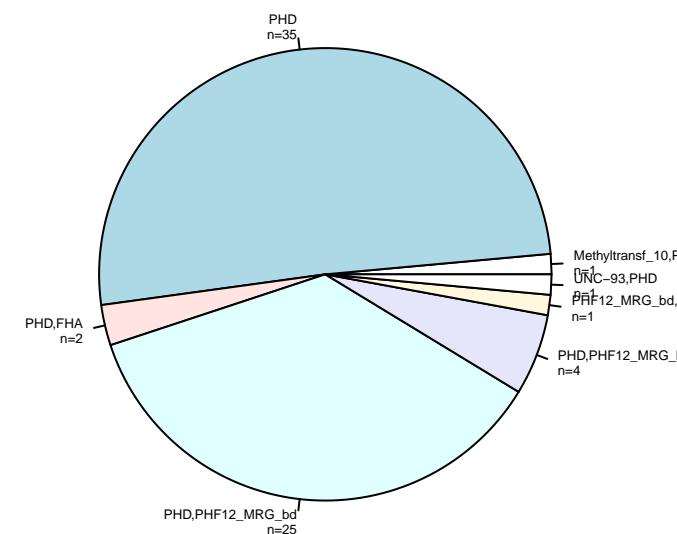
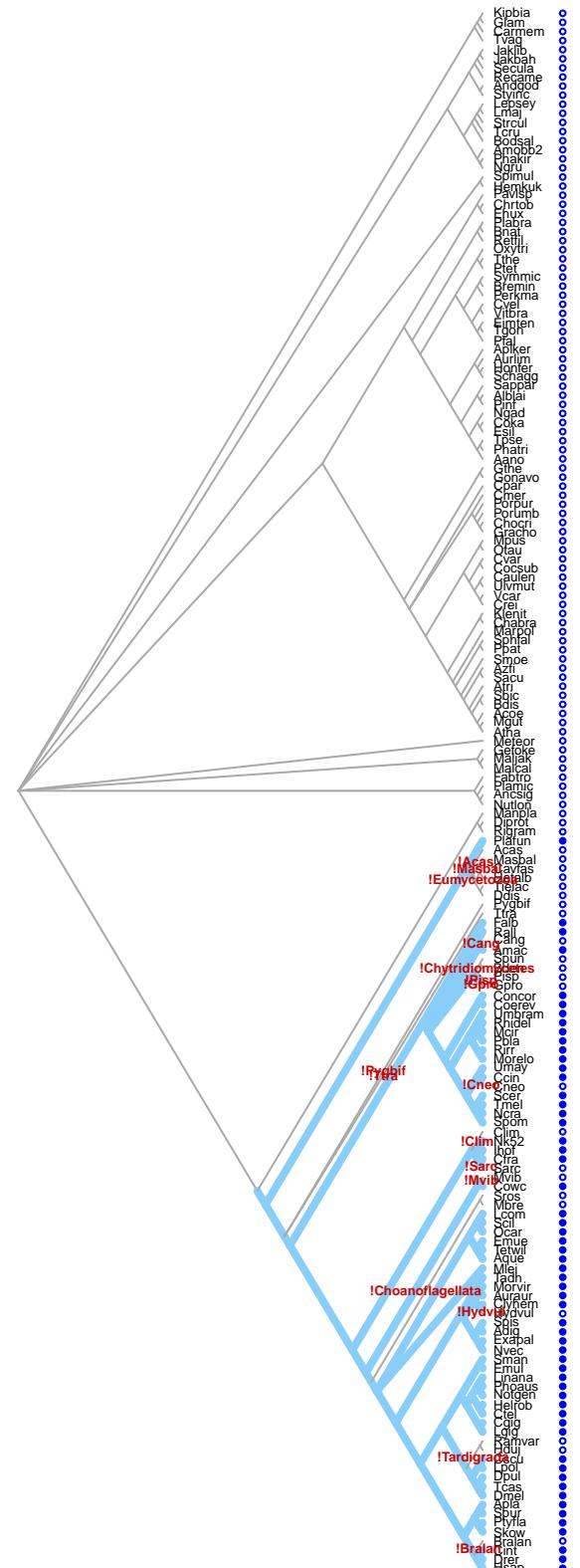


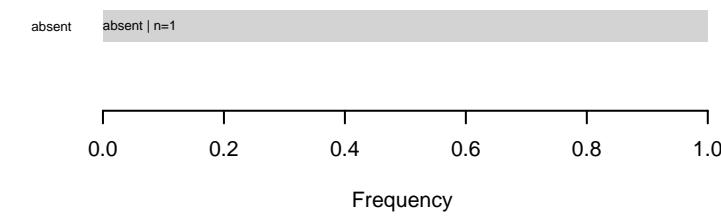
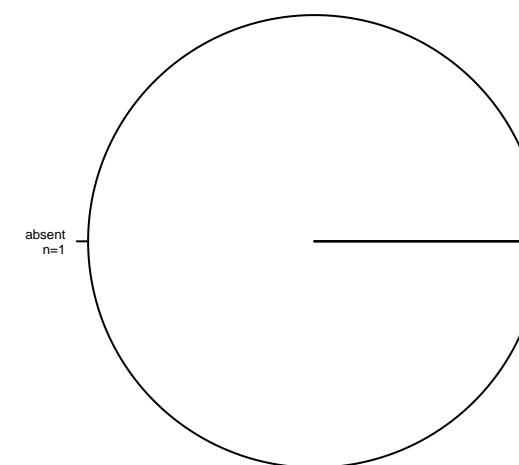
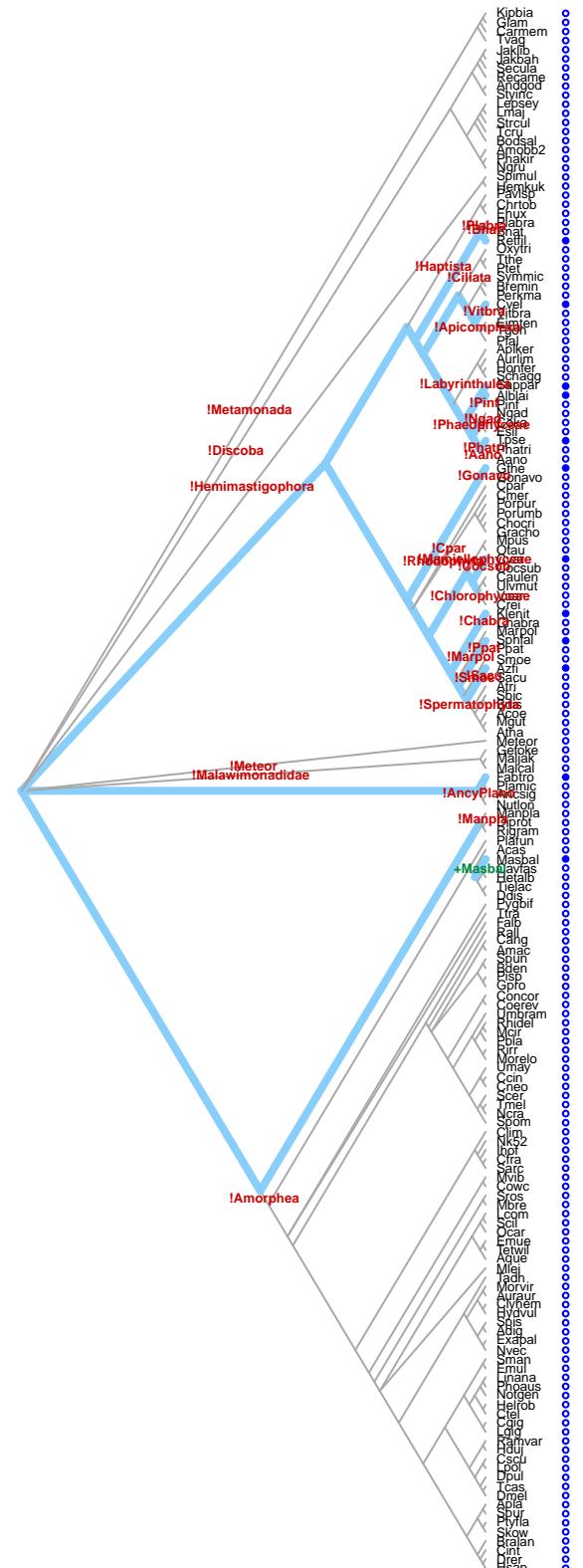


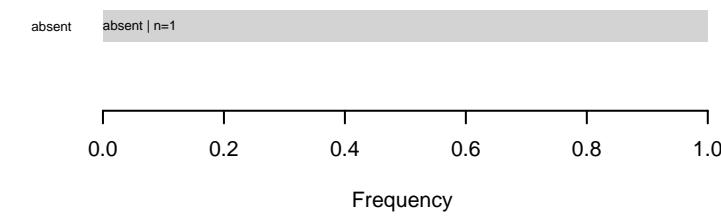
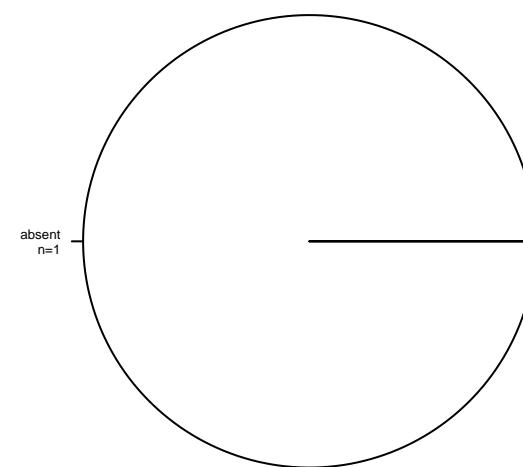
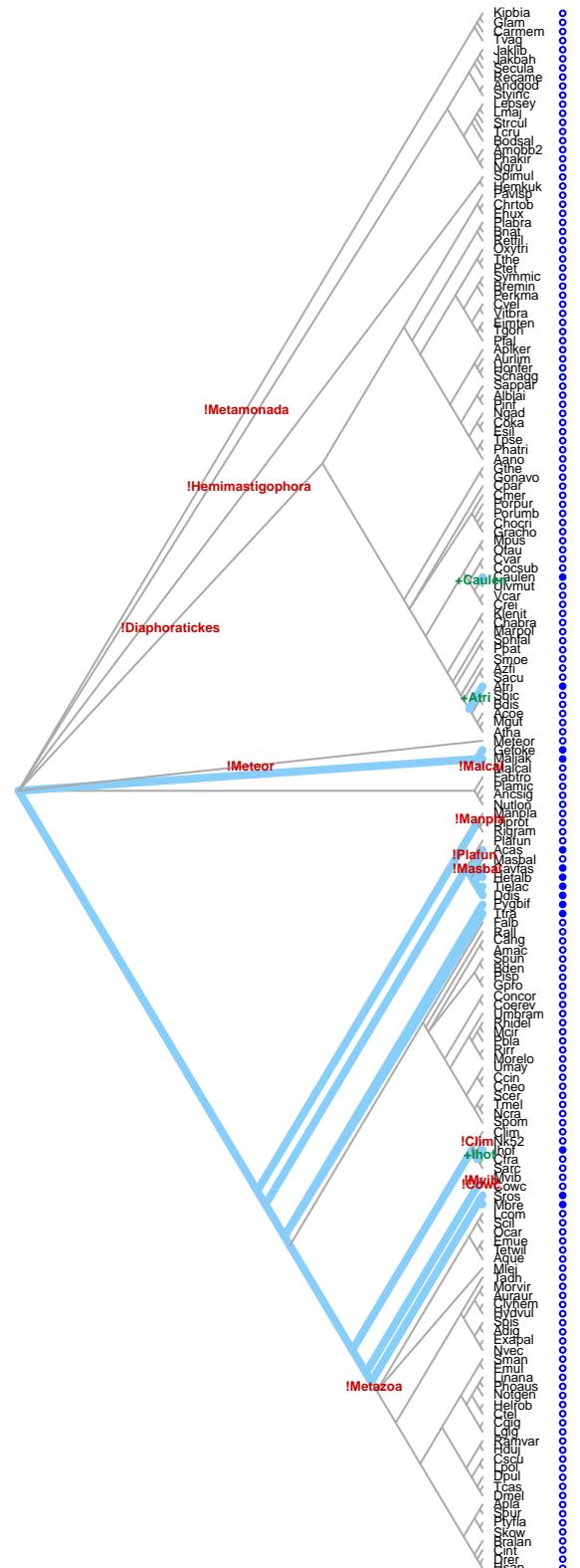
Gain: Viridiplantae,NA
Presence Eukaryota prob = 0.08
Present: 6
Losses: NA

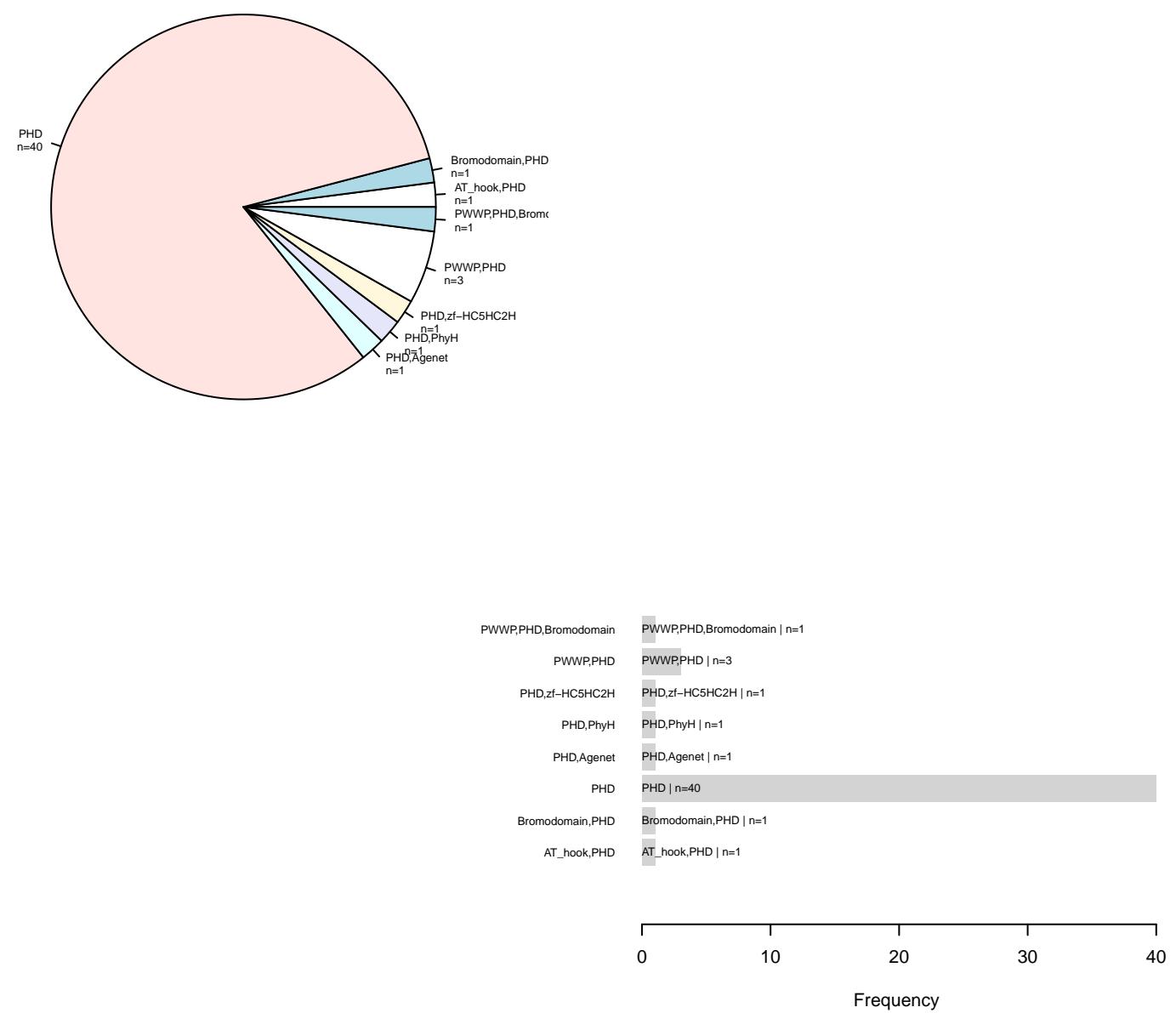
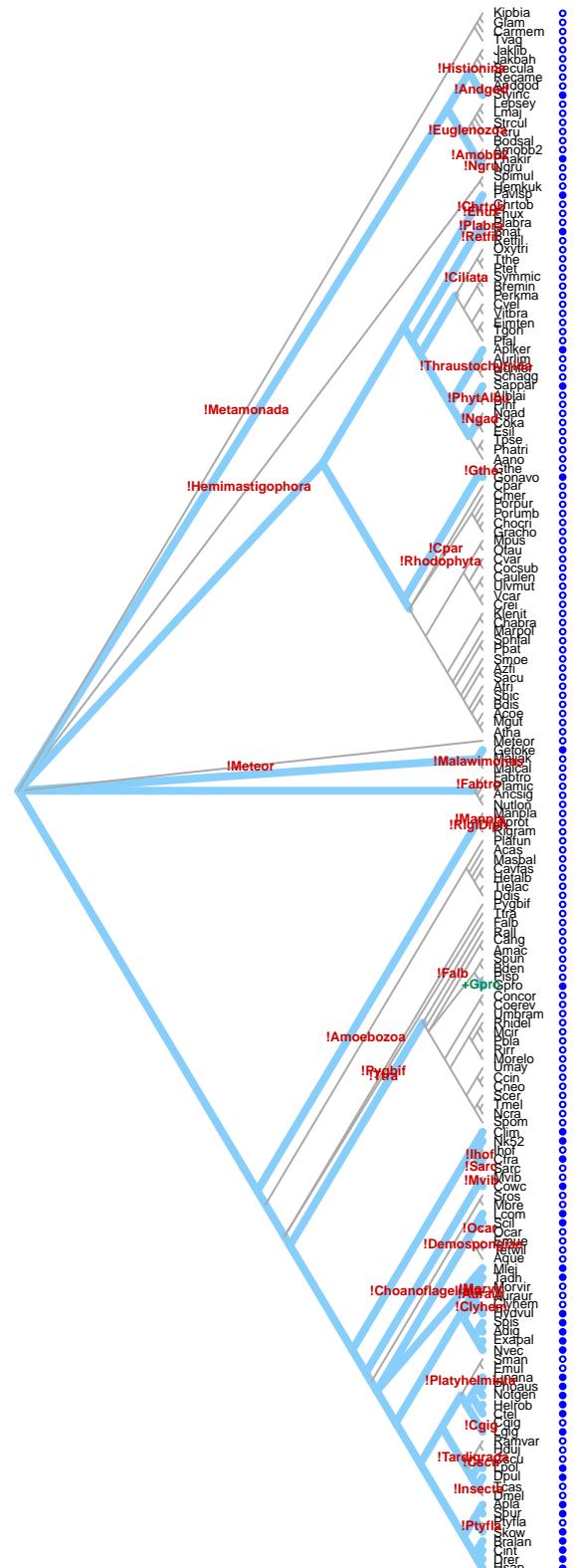


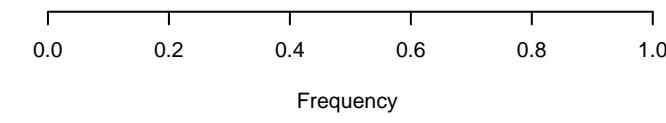
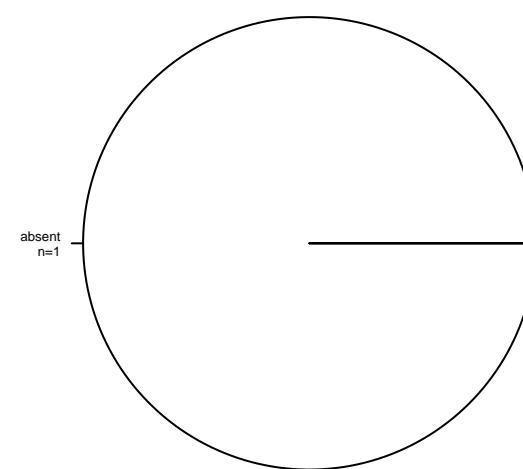
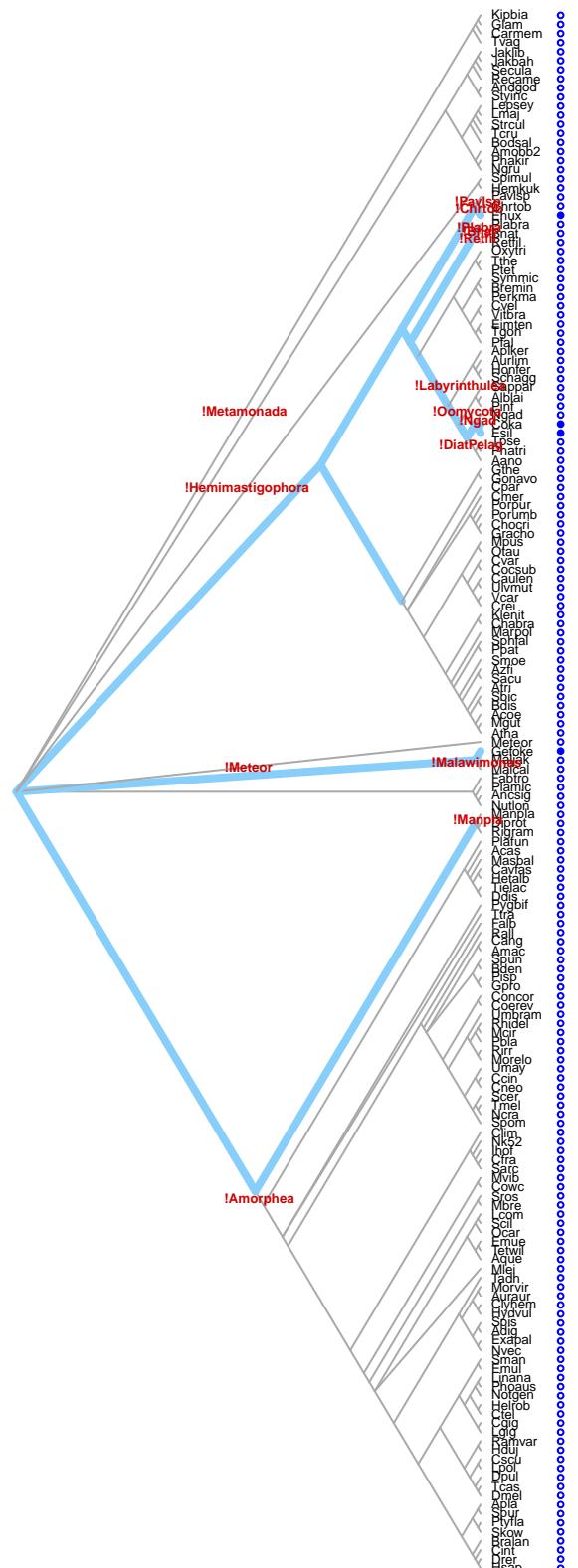


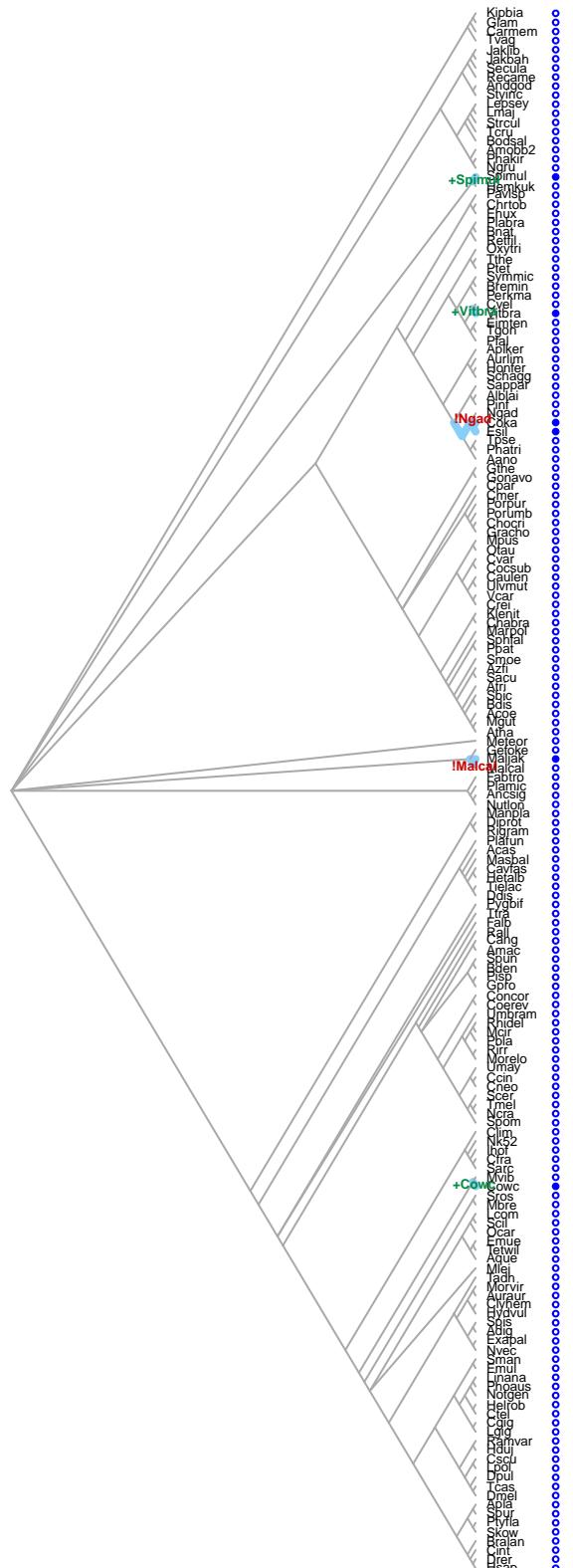










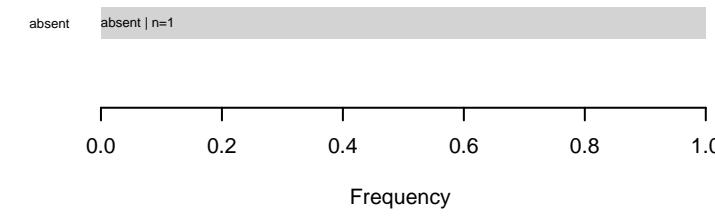
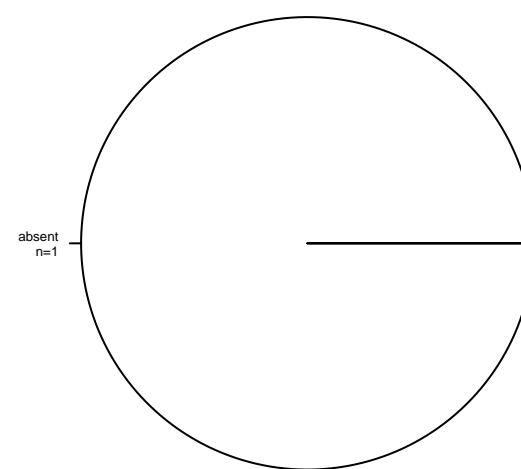


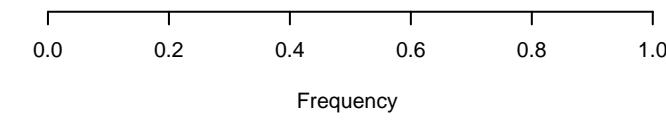
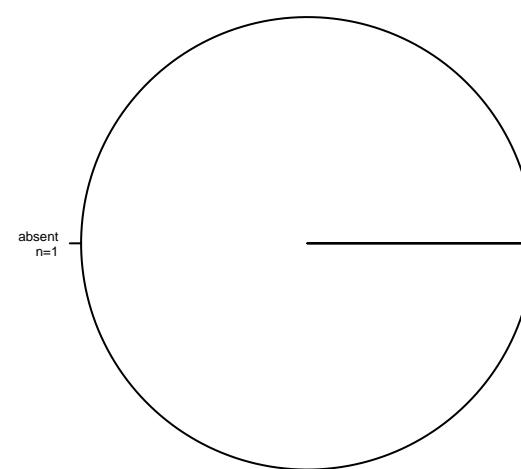
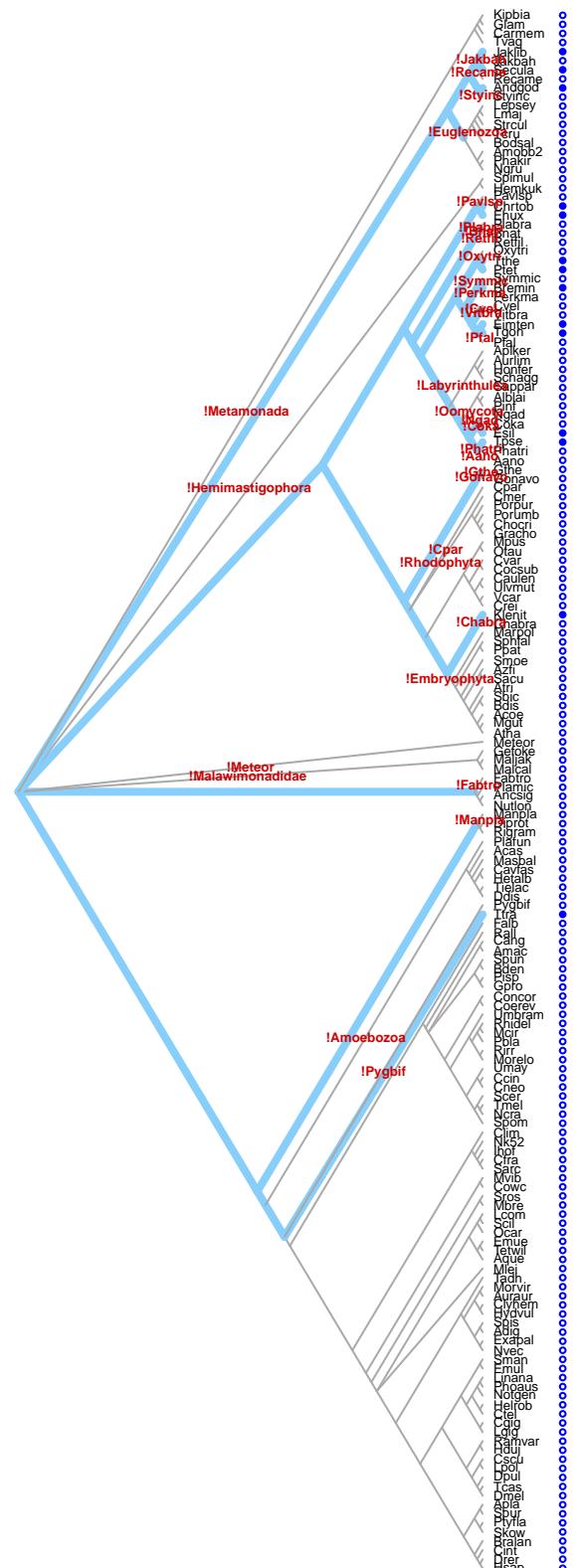
Gain: Cowc,Vitbra,Spimul,NA

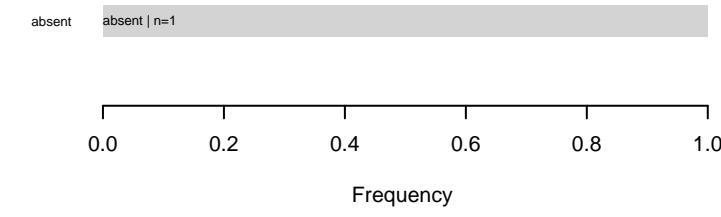
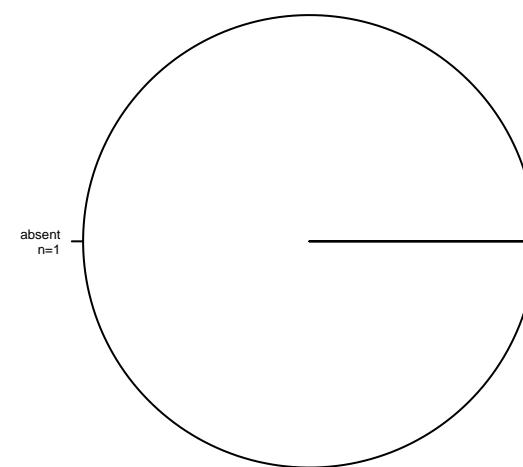
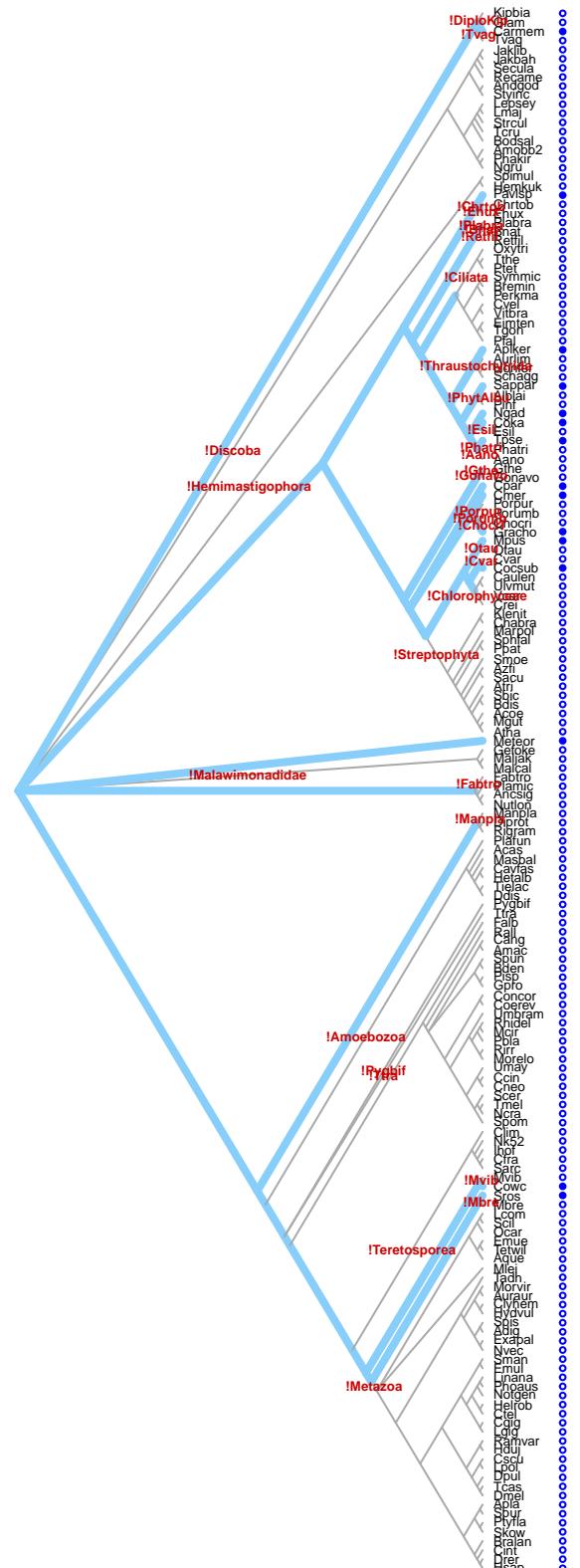
Presence Eukaryota prob = 0.39

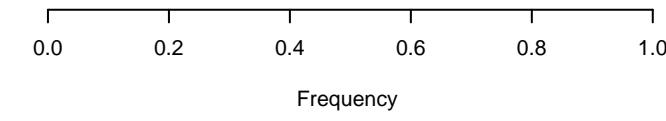
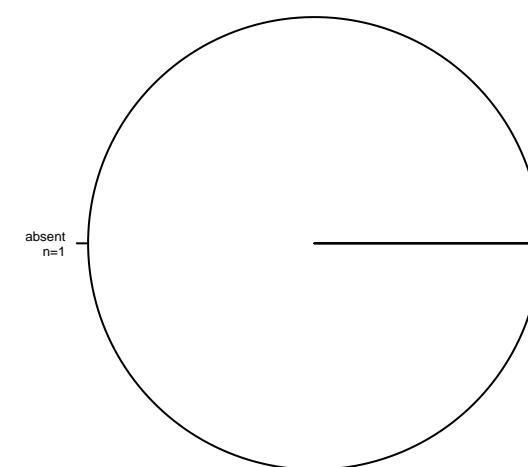
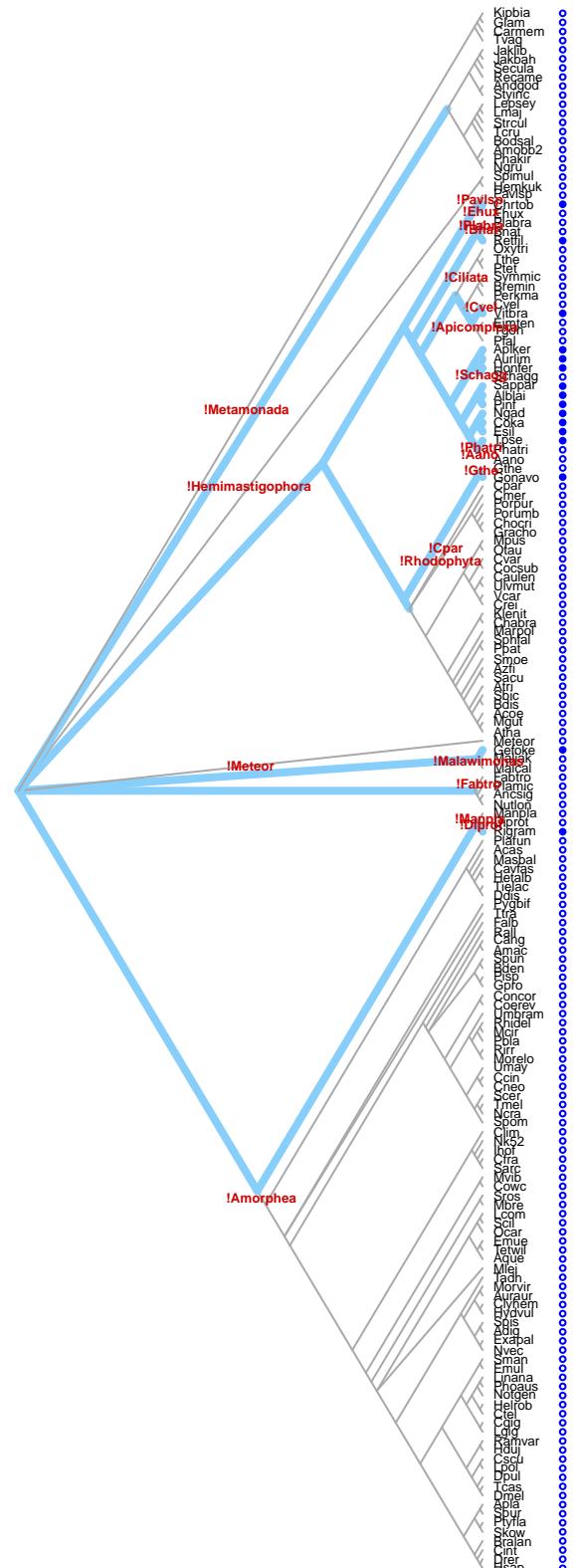
Present: 6

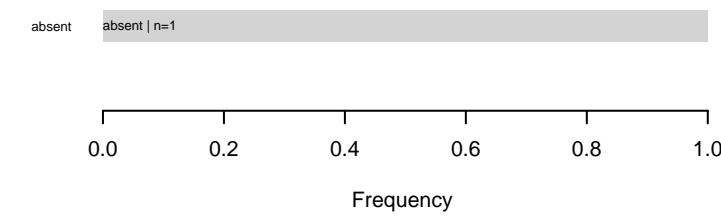
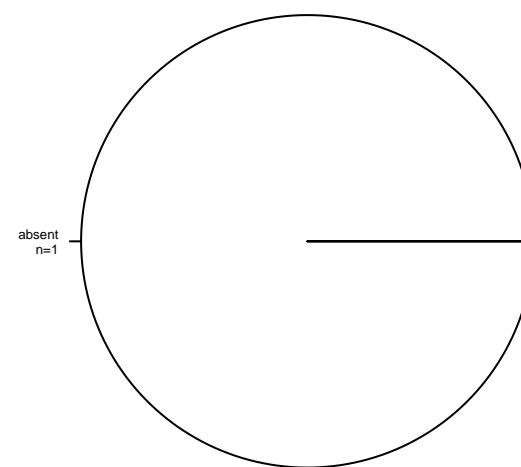
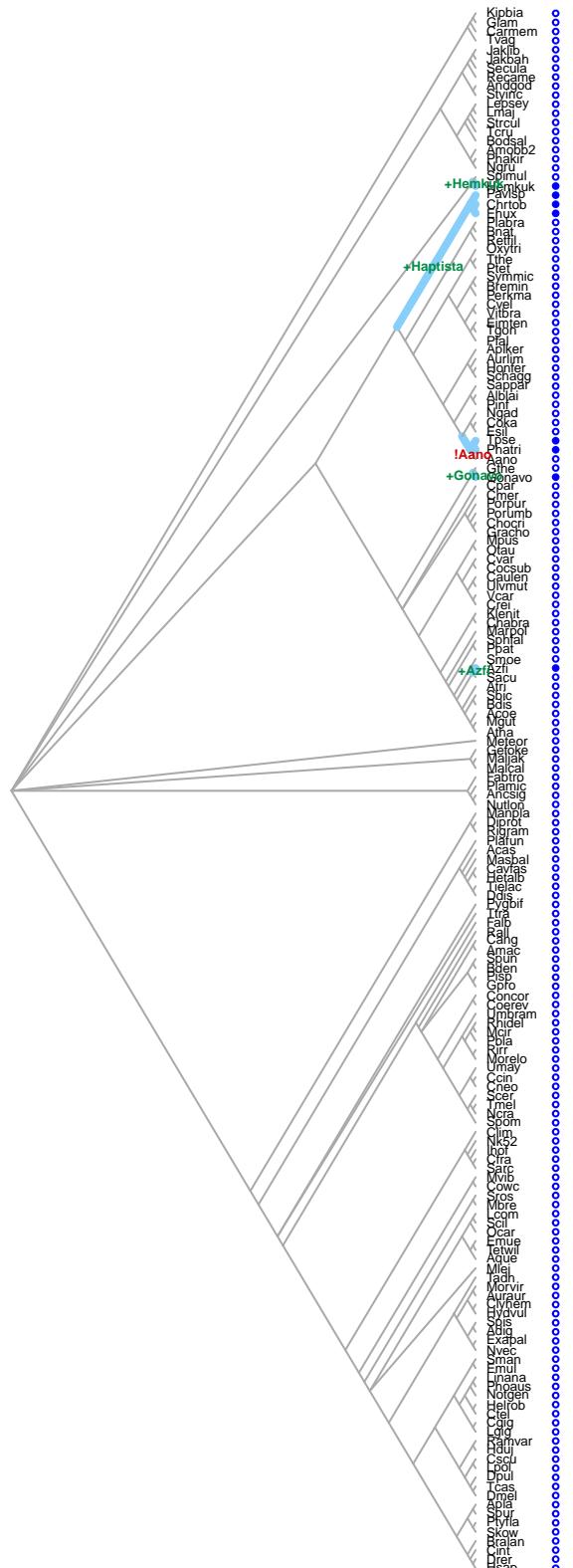
Losses: NA

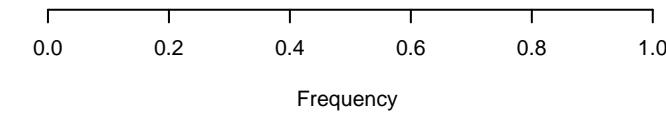
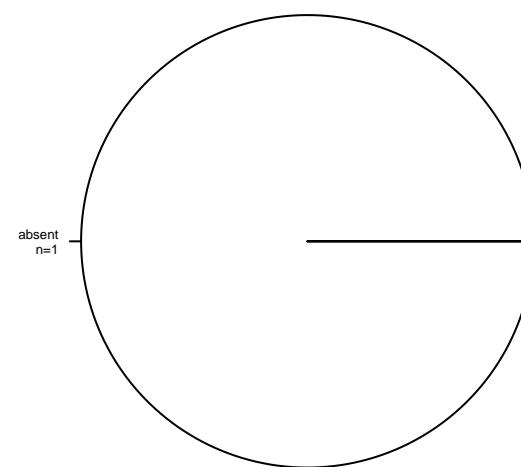
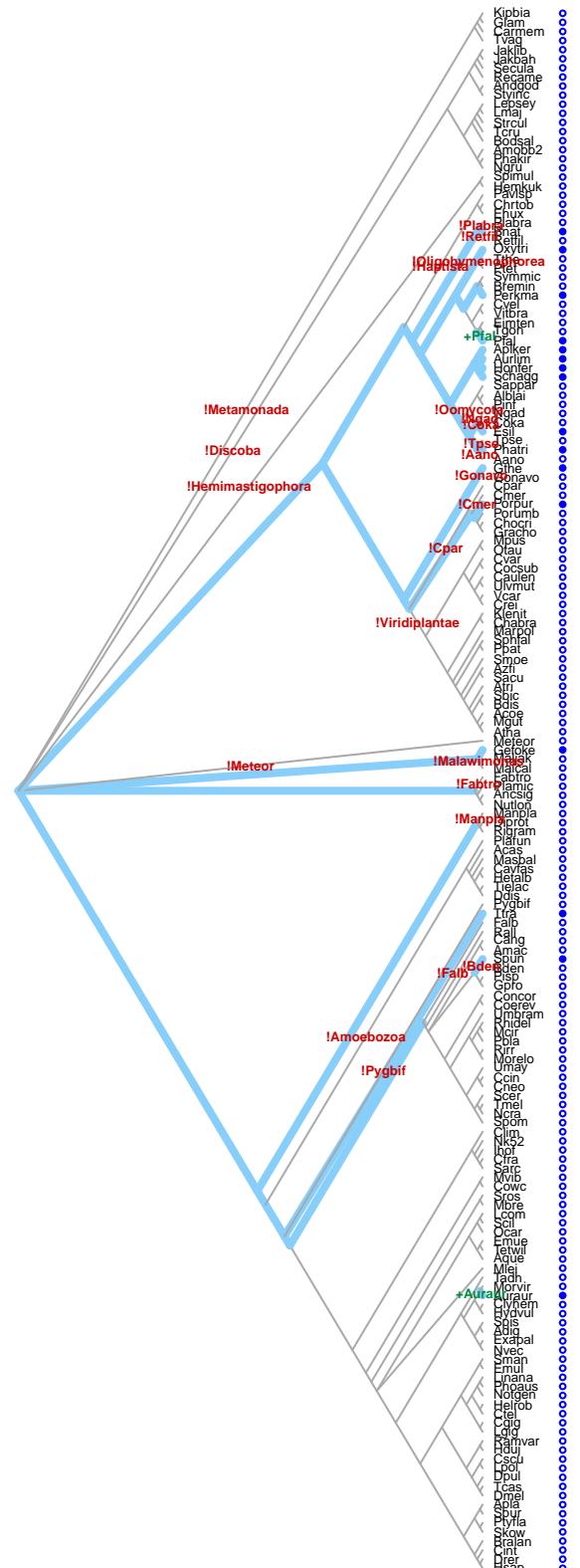


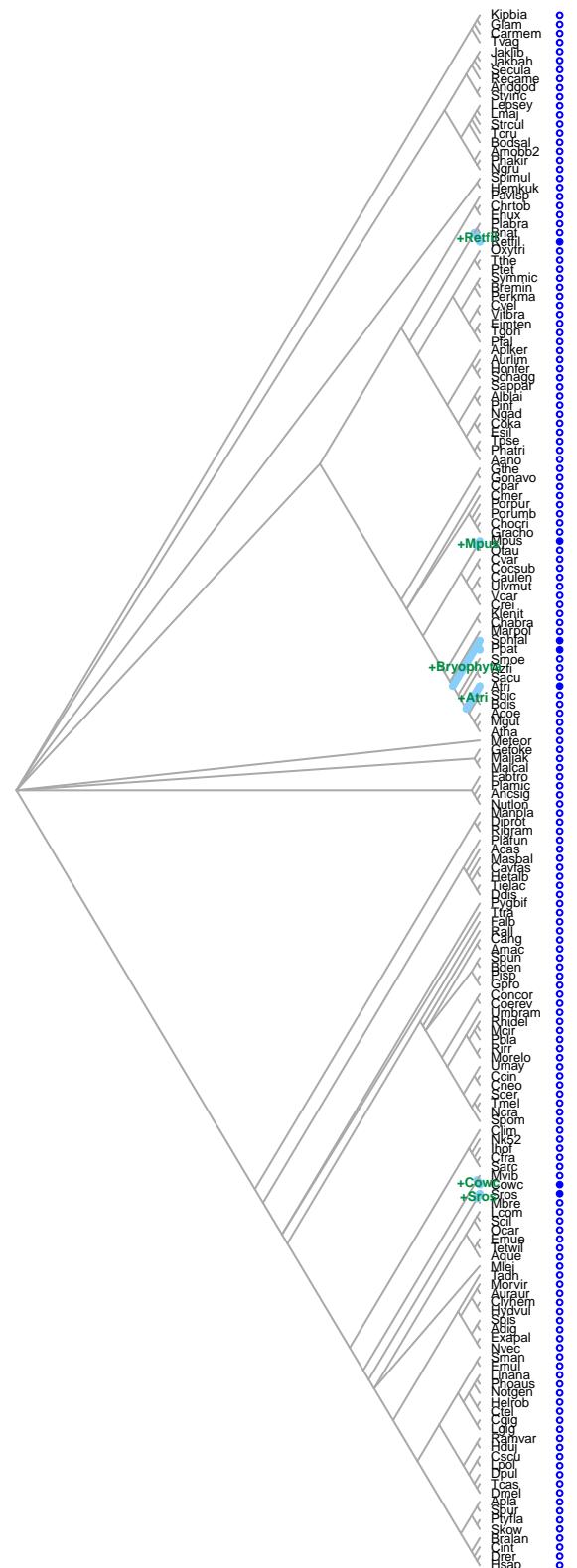










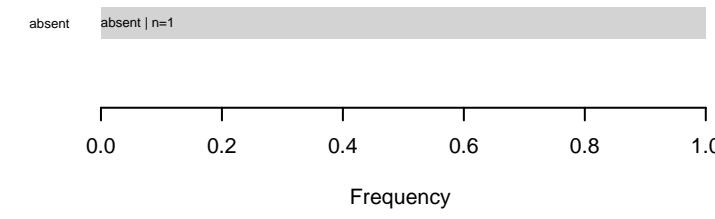
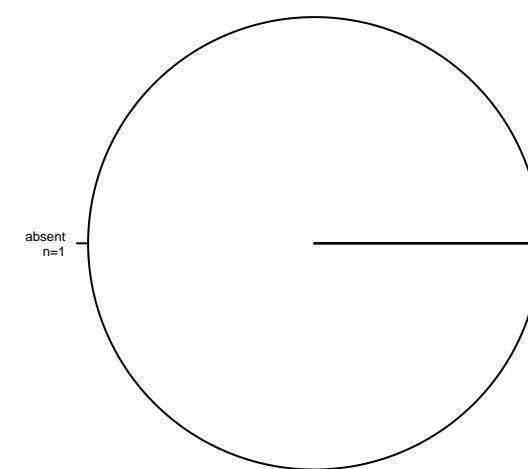


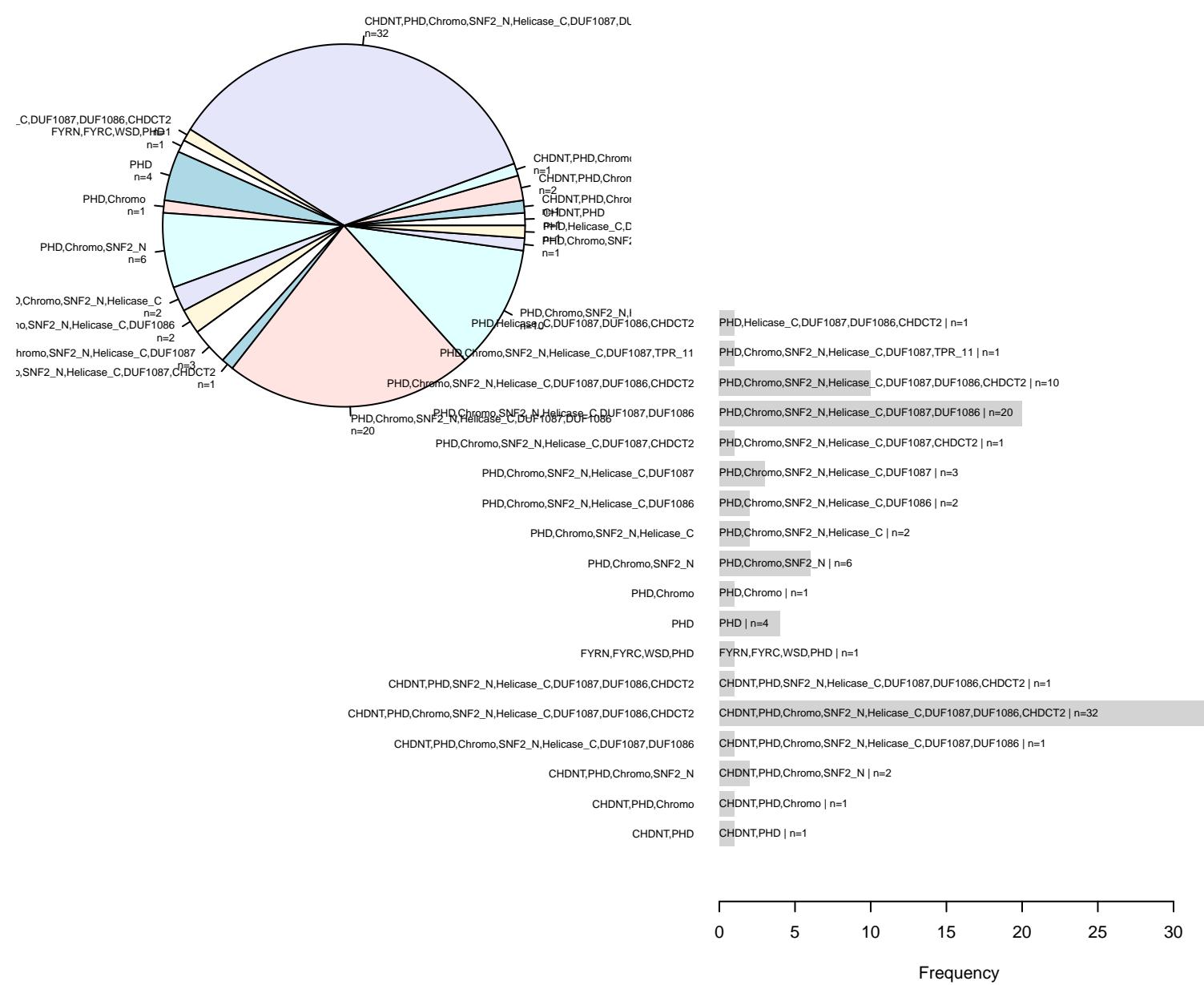
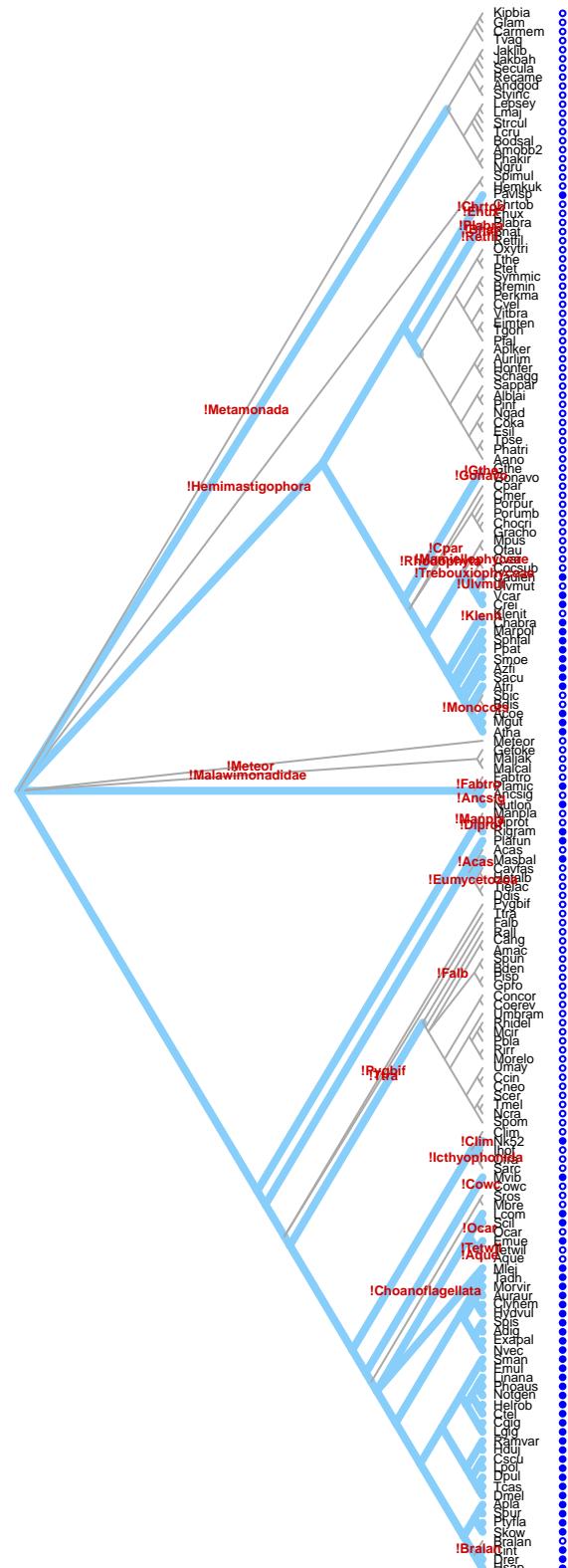
Gain: Sros,Cowc,Atri,Bryophyta,Mpus,Retfil,NA

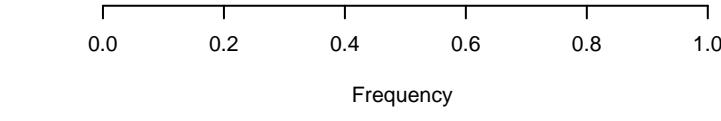
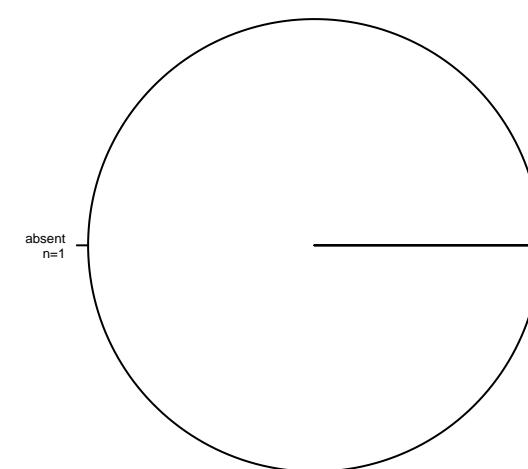
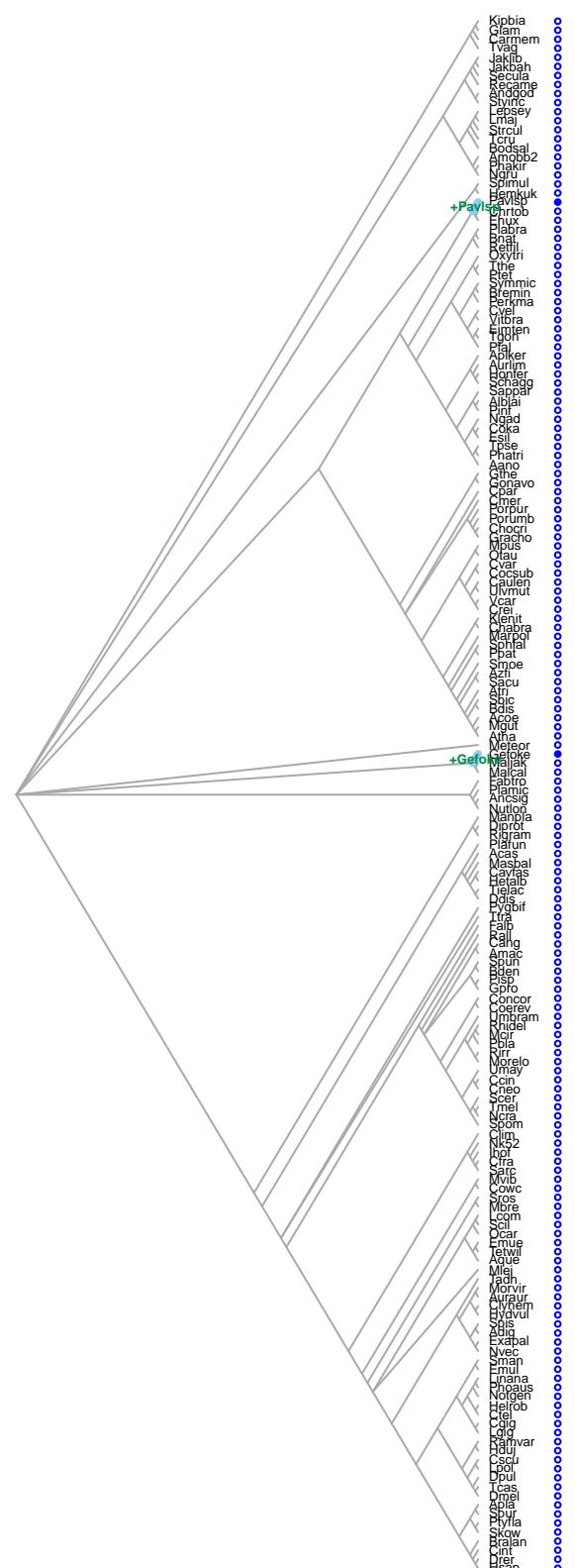
Presence Eukaryota prob = 0.01

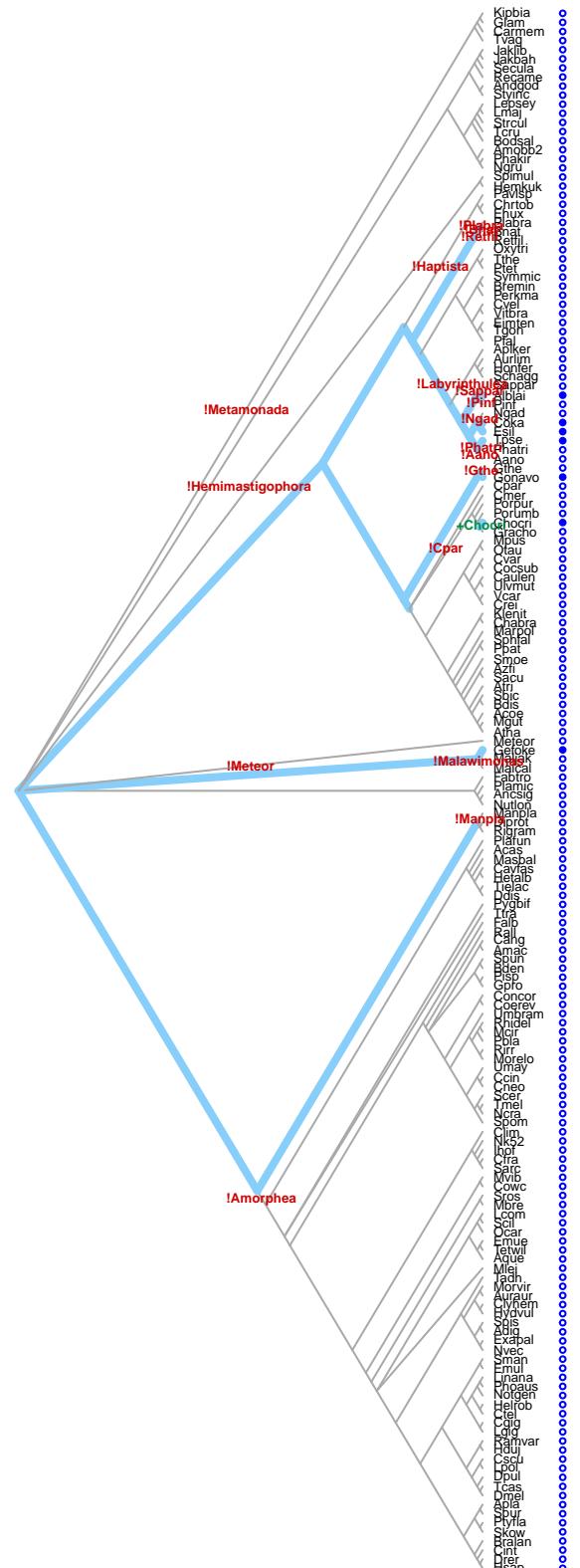
Present: 7

Losses: NA

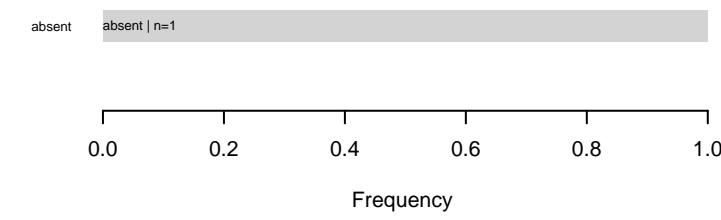
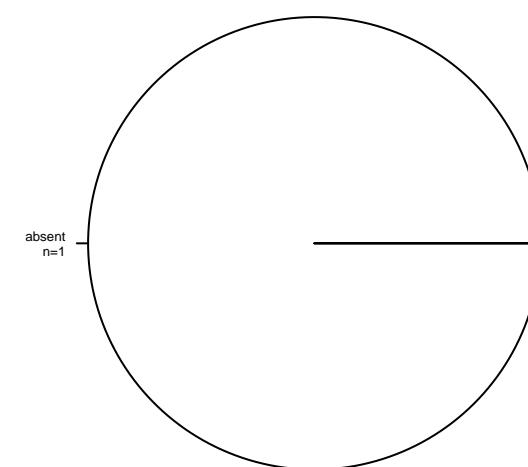


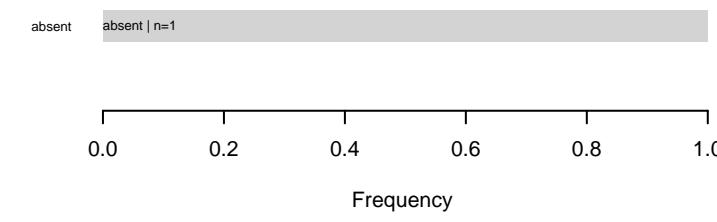
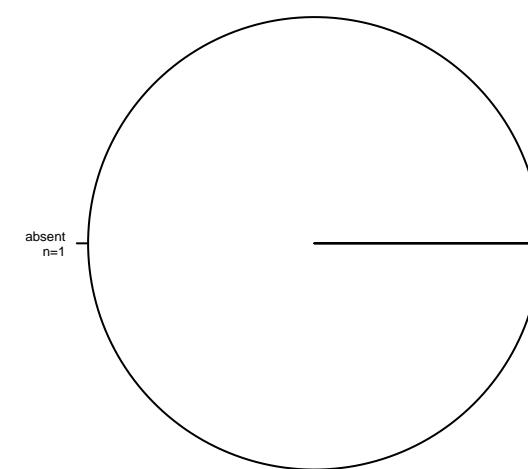
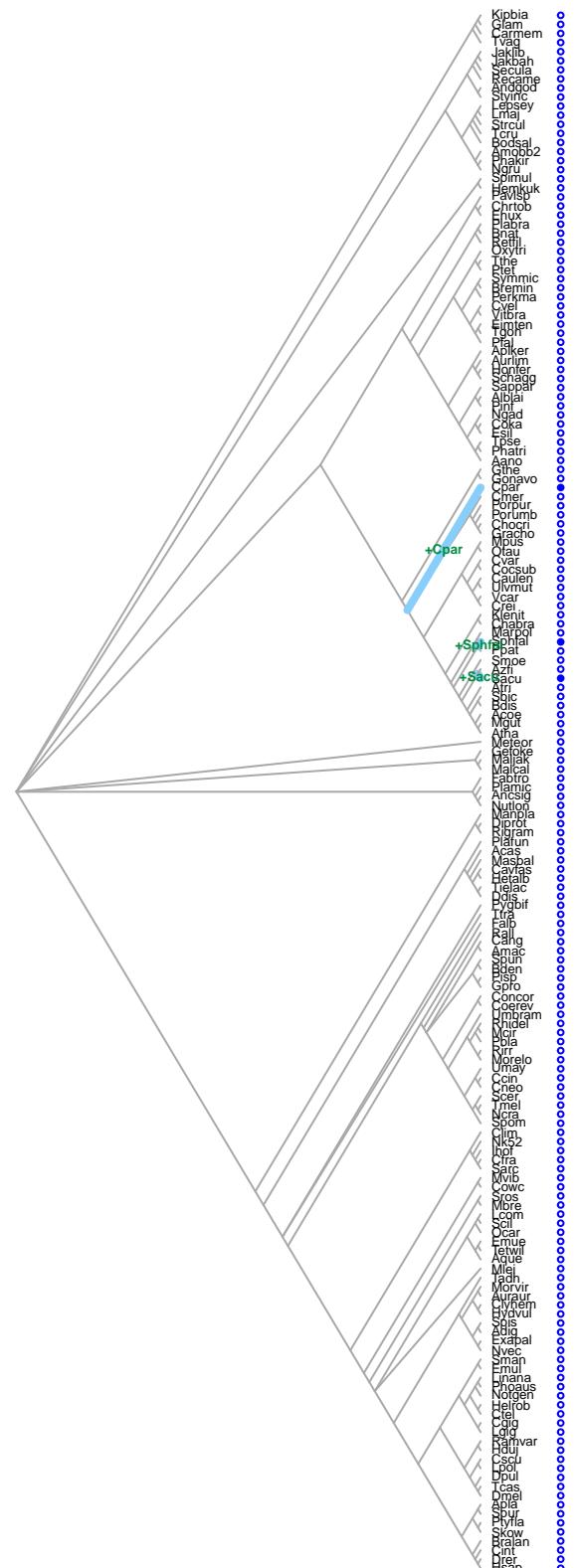


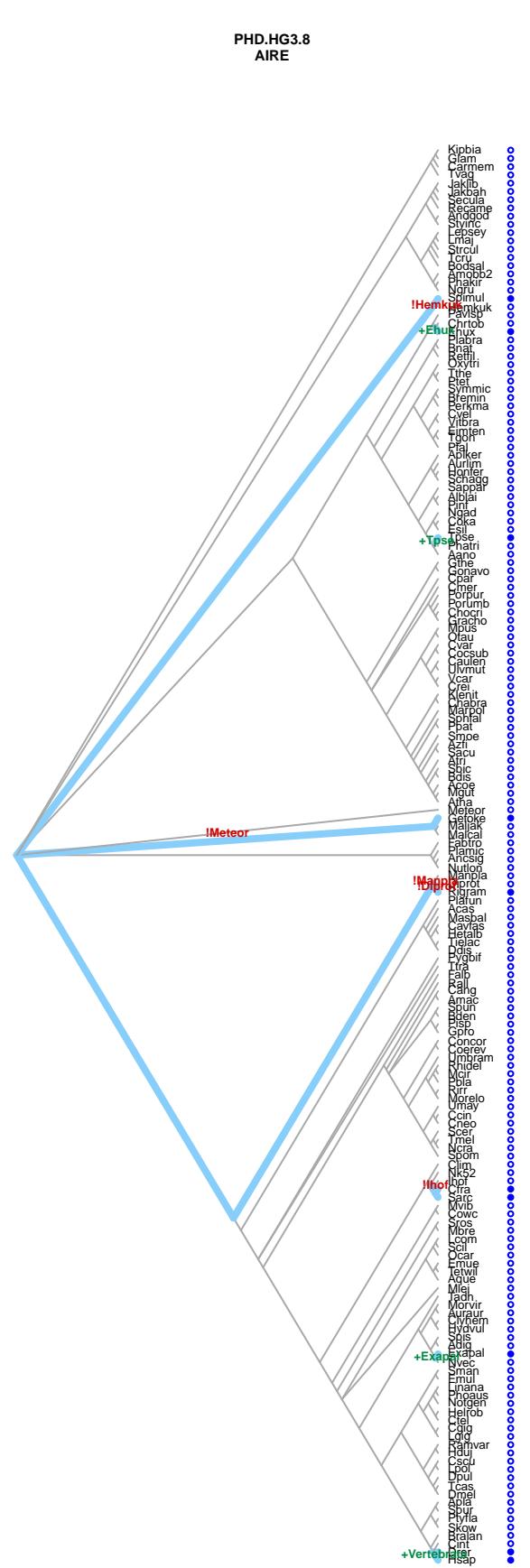




Gain: Chocri,NA
Presence Eukaryota prob = 0.79
Present: 7
Losses: NA





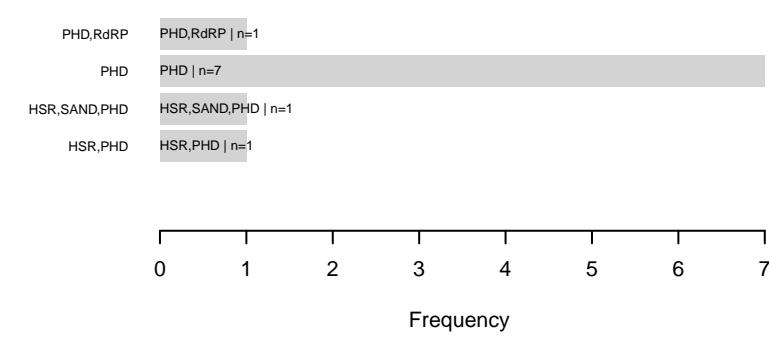
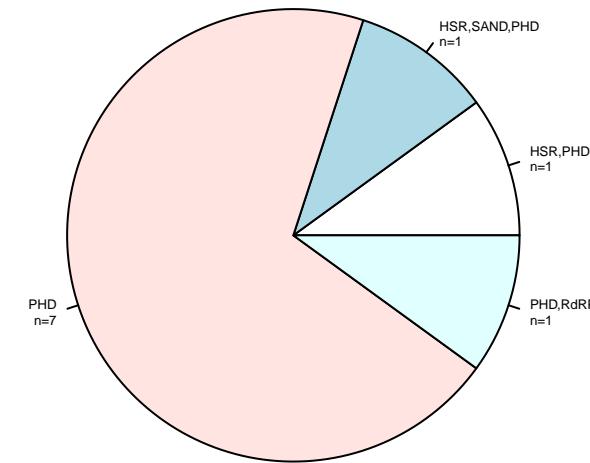


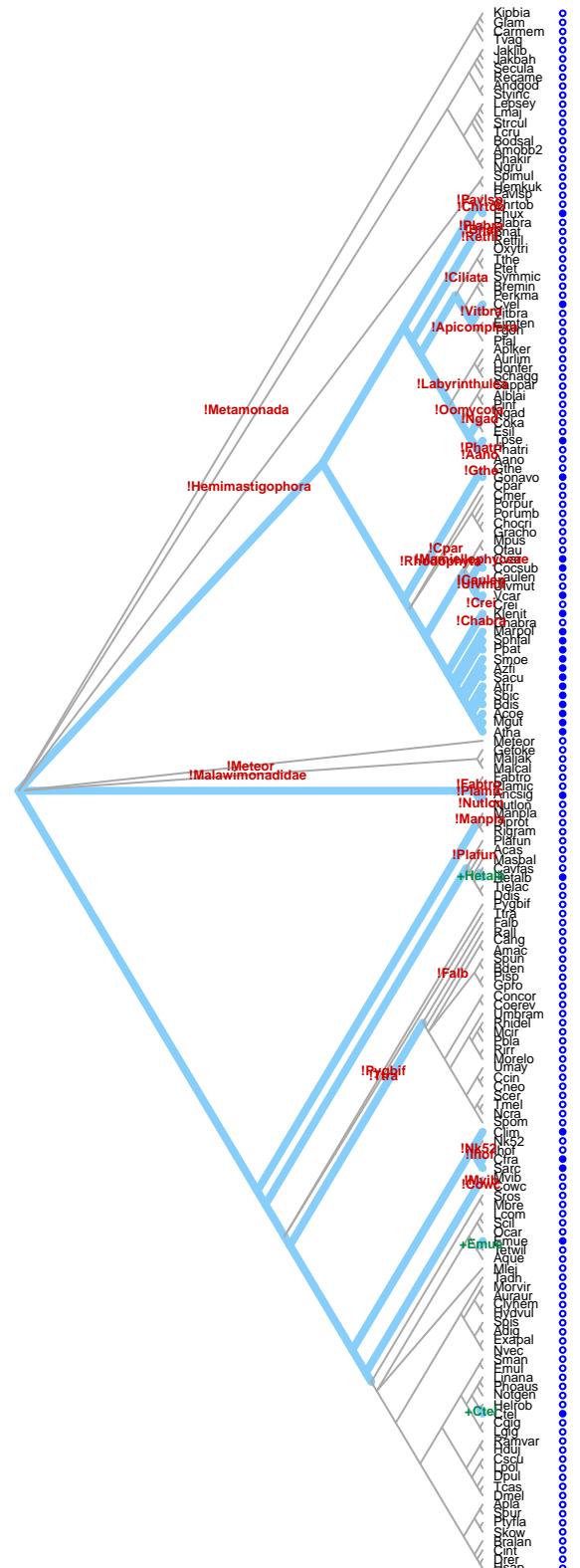
Gain: Vertebrata,Exapal,Tpse,Ehux,NA

Presence Eukaryota prob = 0.61

Present: 10

Present: 10
Losses: NA



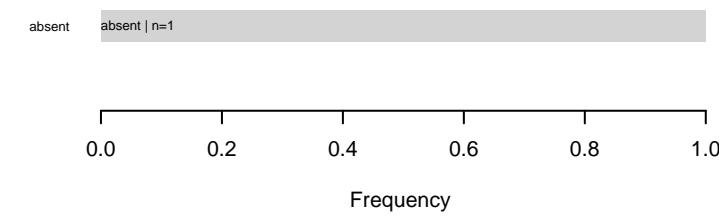
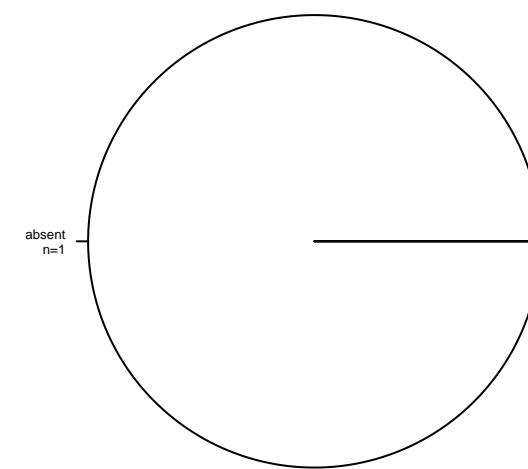


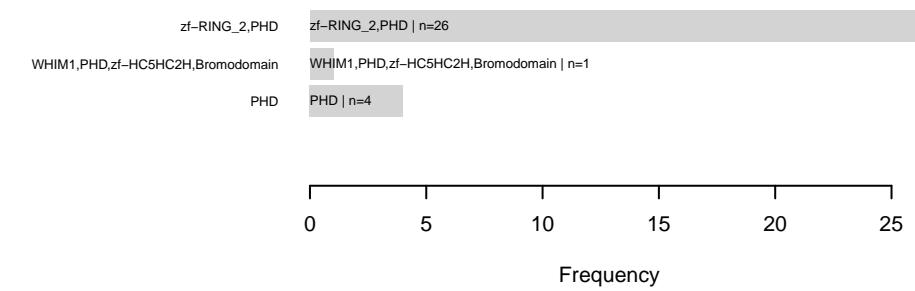
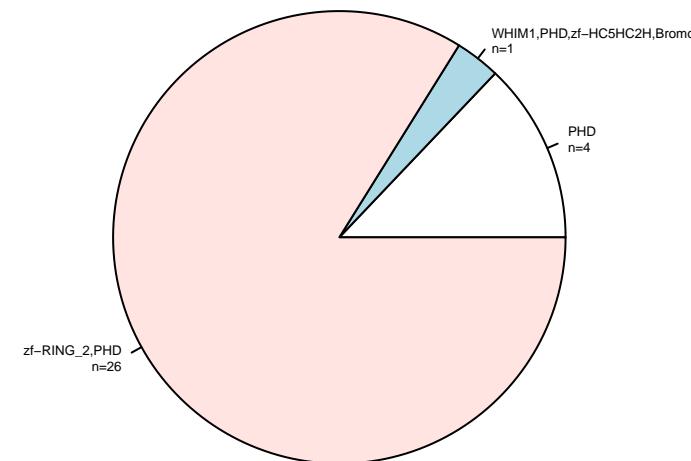
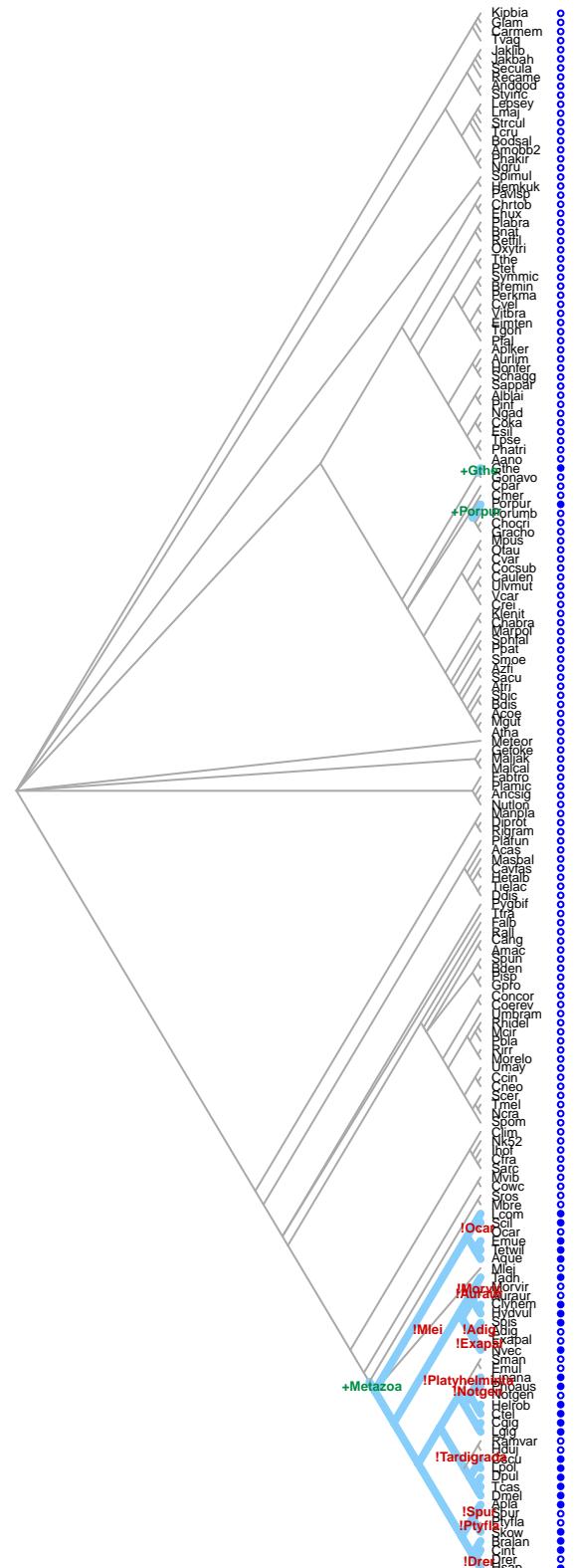
Gain: Ctel,Emue,Hetalb,NA

Presence Eukaryota prob = 0.99

Present: 27

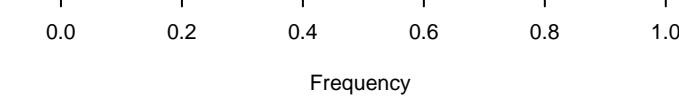
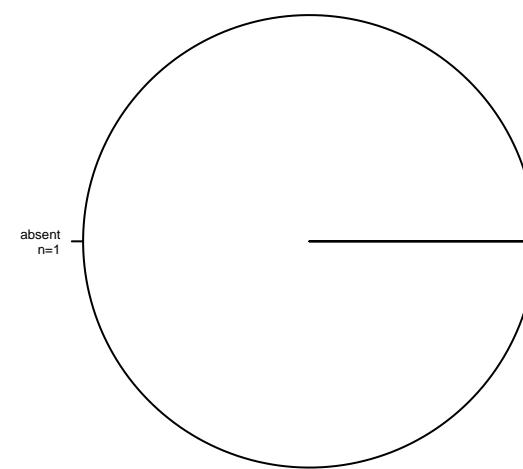
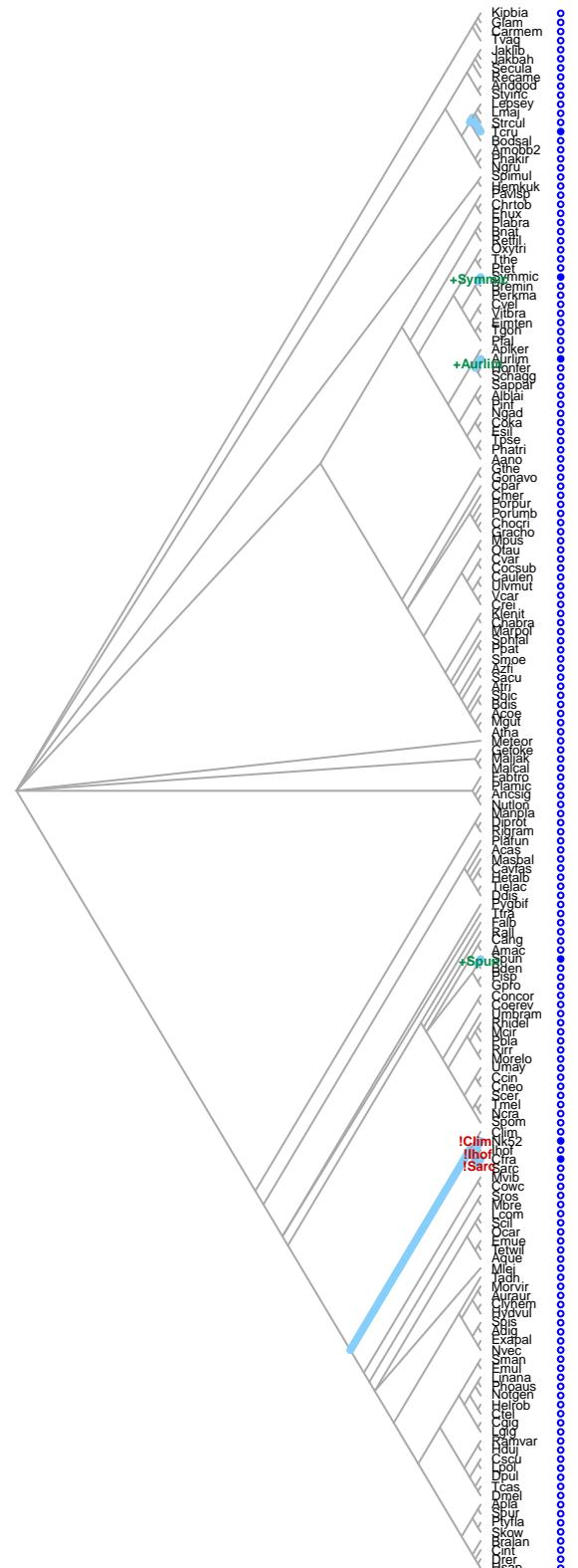
Losses: NA





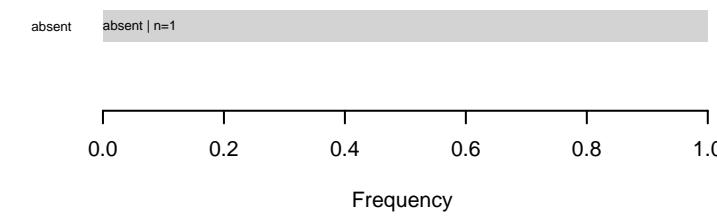
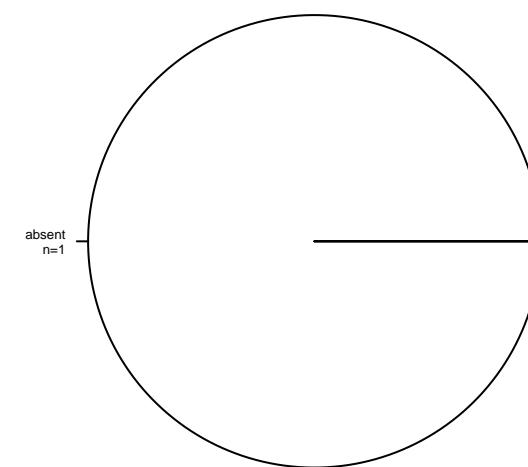
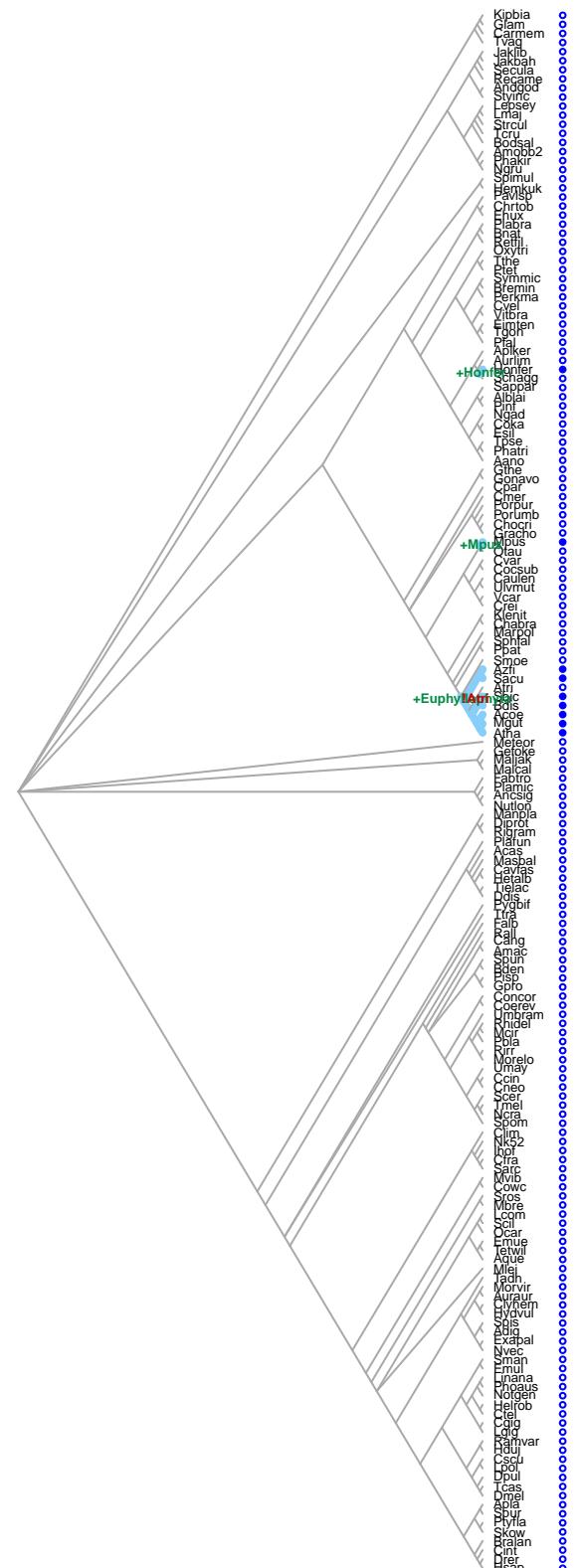
PHD.HG4.1

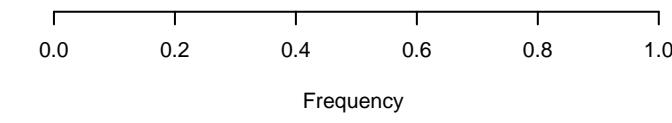
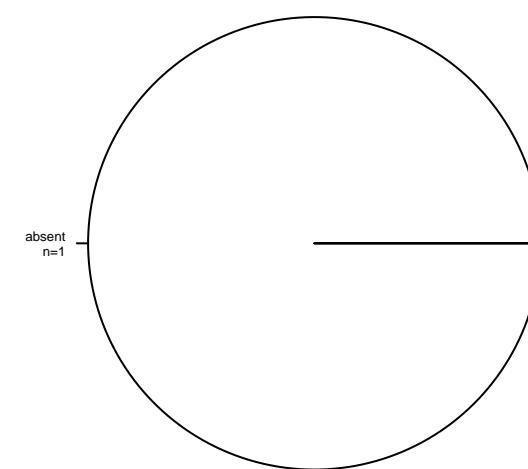
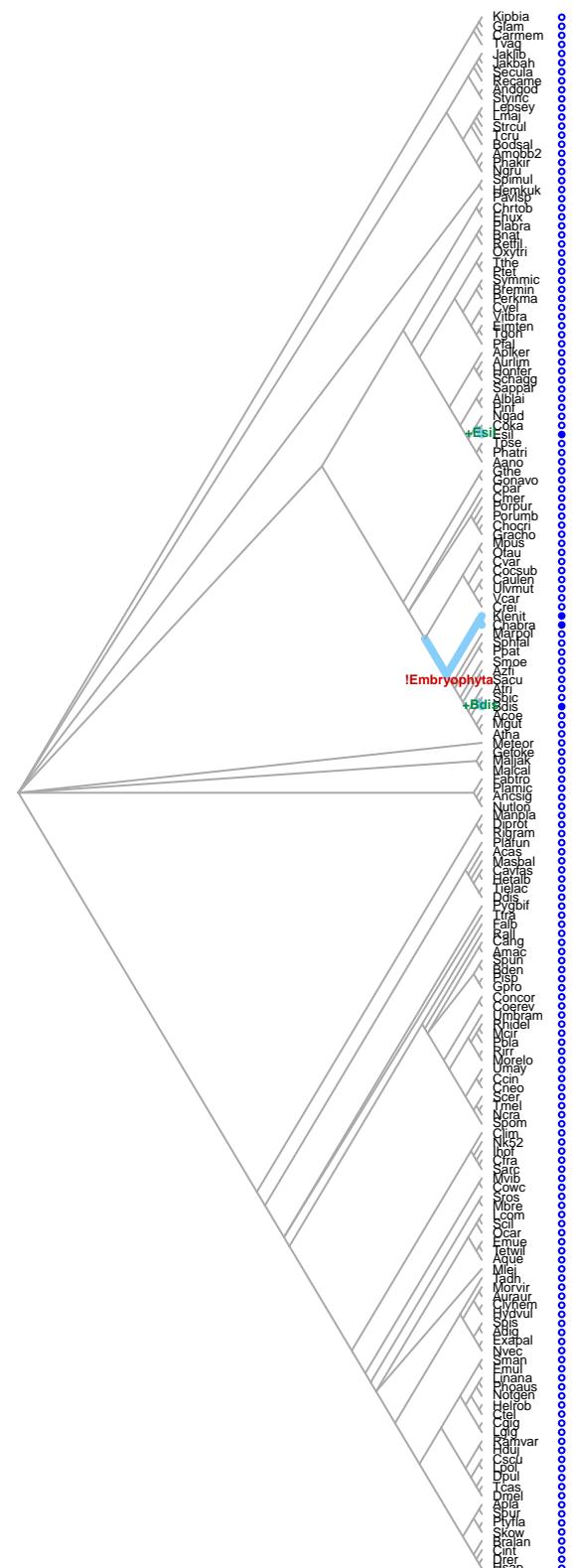
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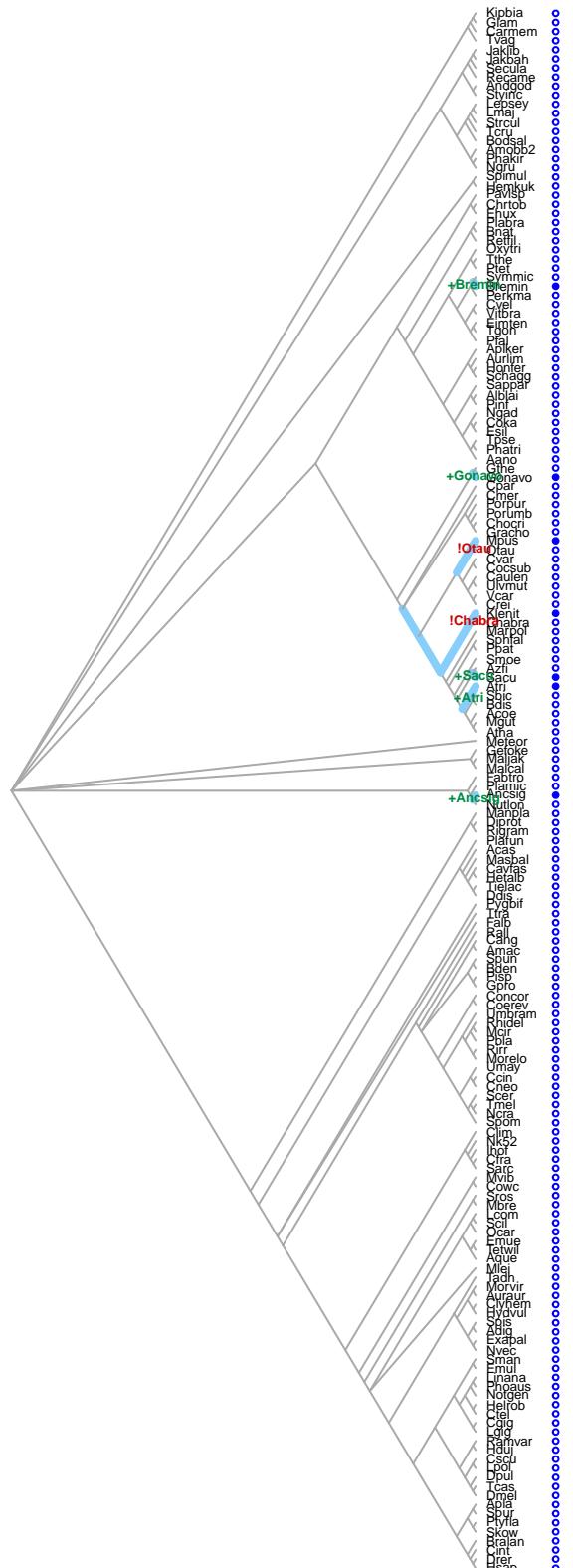


PHD.HG4.10

like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66





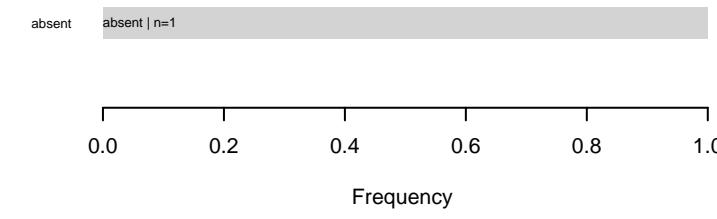
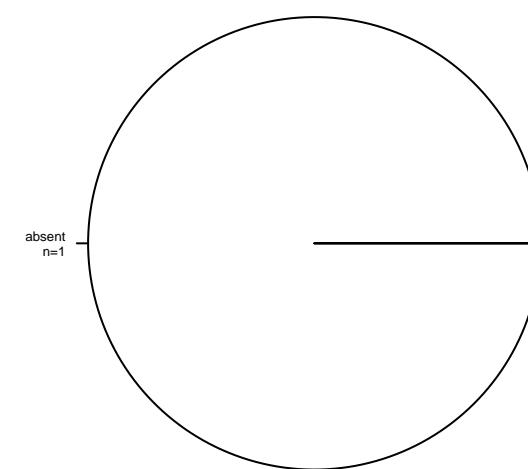


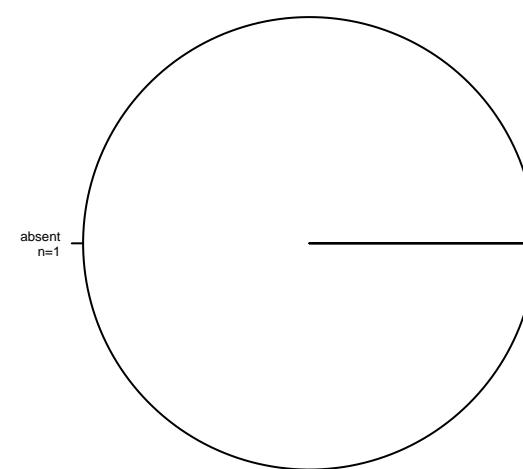
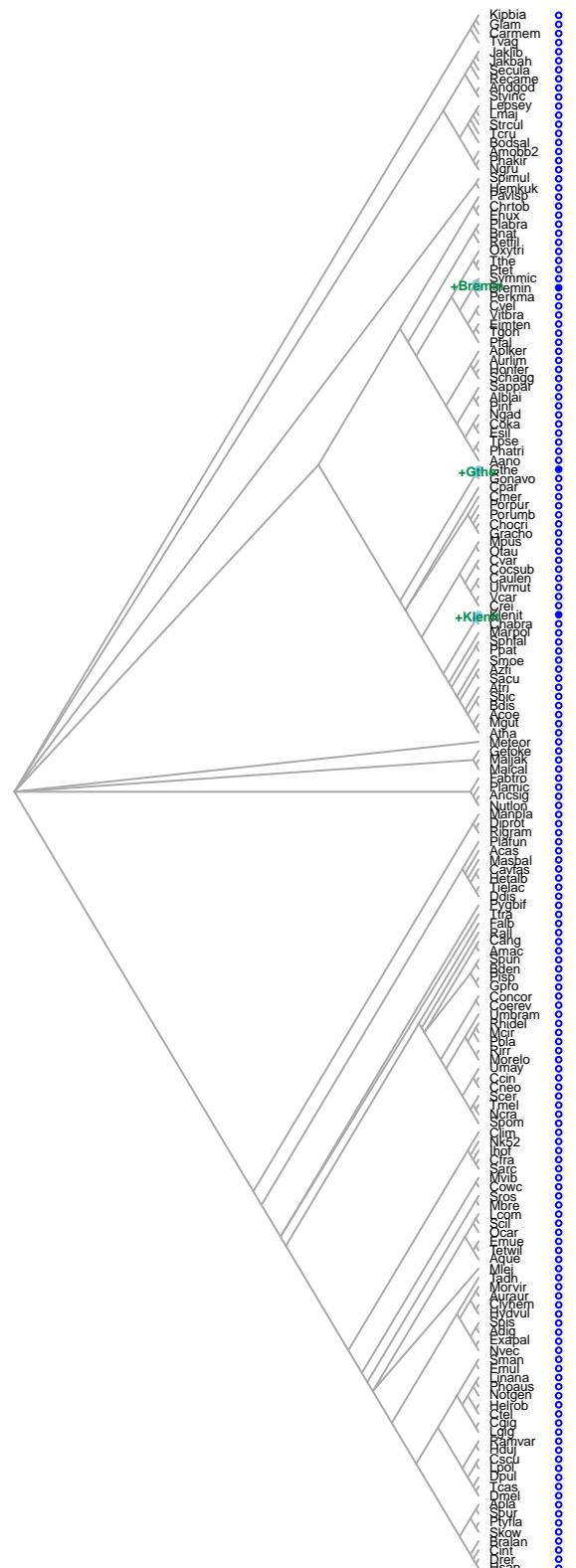
Gain: Ancsig,Atri,Sacu,Gonavo,Bremin,NA

Presence Eukaryota prob = 0.29

Present: 7

Losses: NA



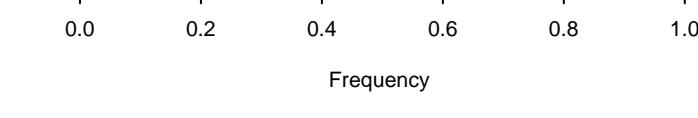


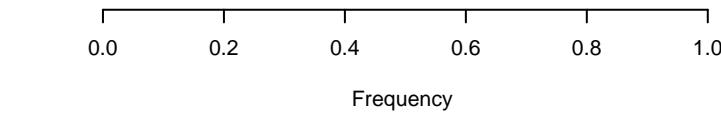
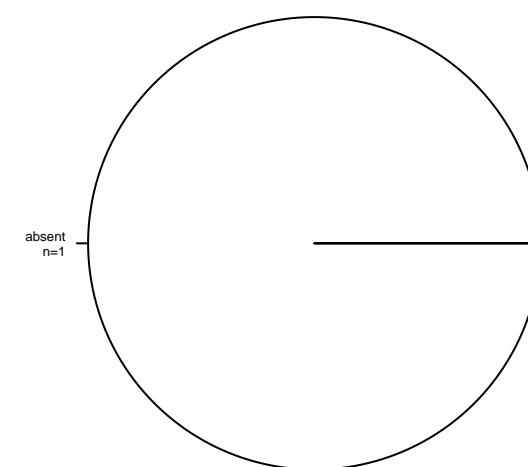
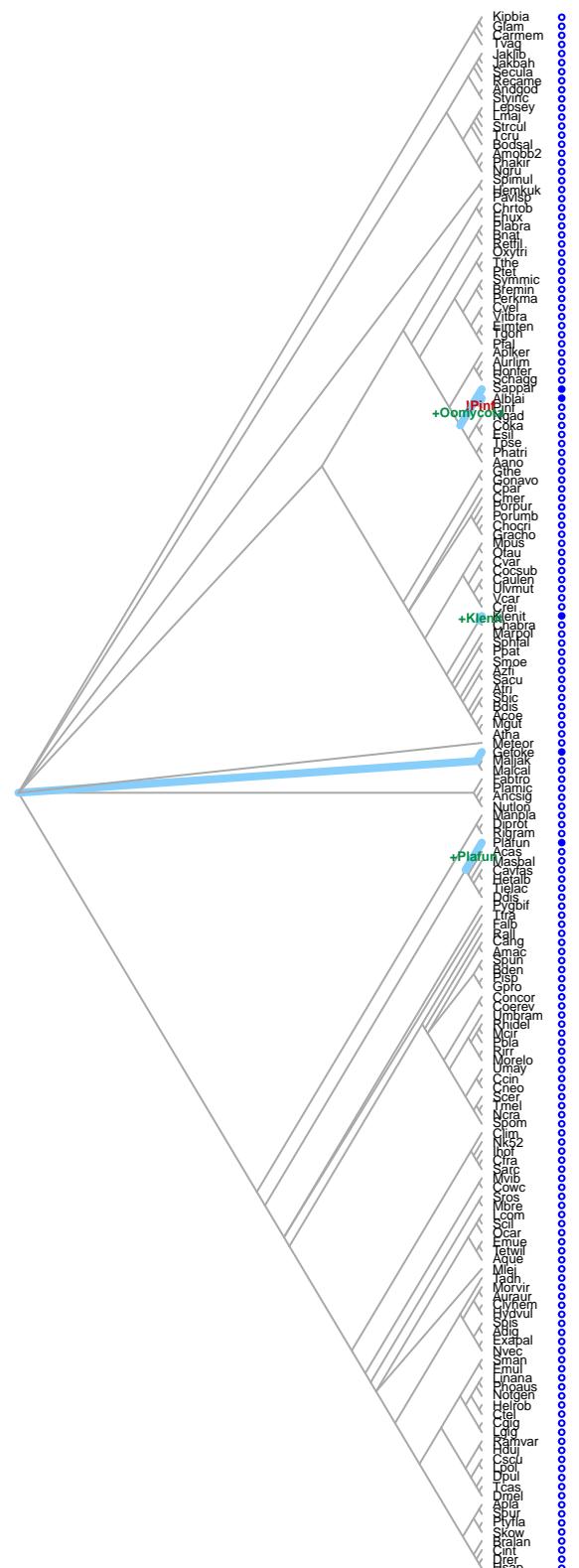
Gain: Klenit,Gthe,Bremin,NA

Presence Eukaryota prob = 0.05

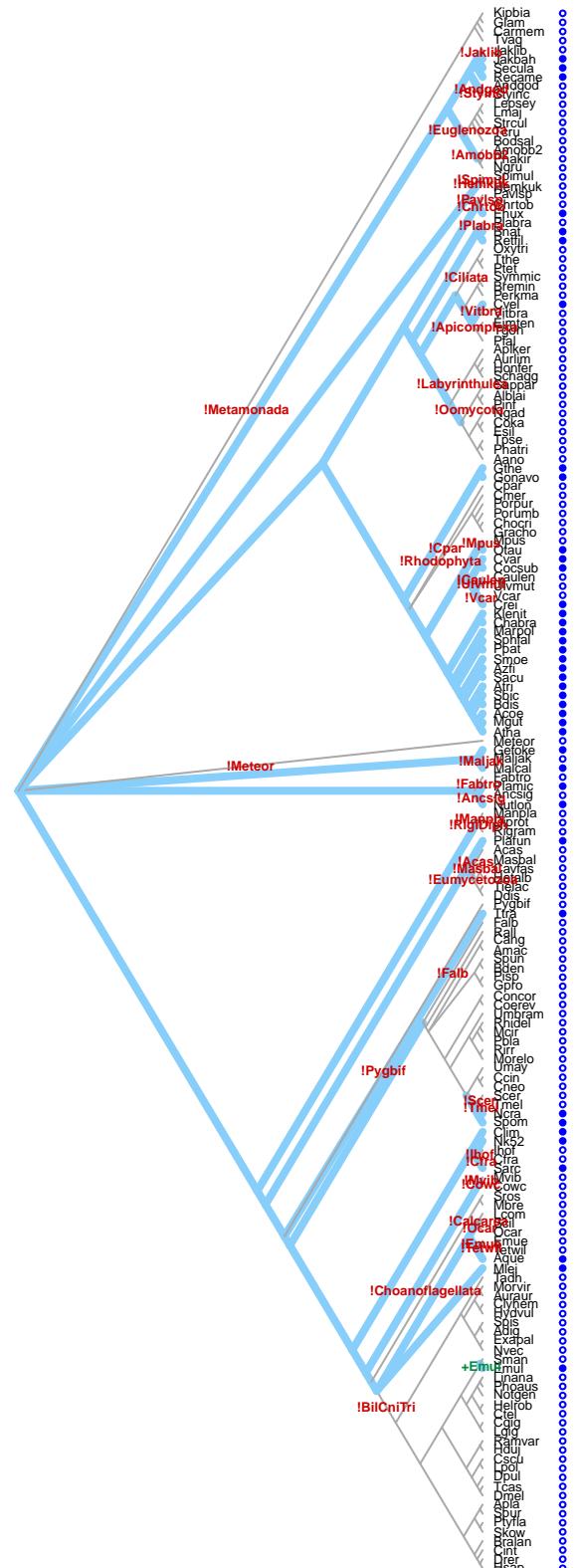
Present: 3

Losses: NA

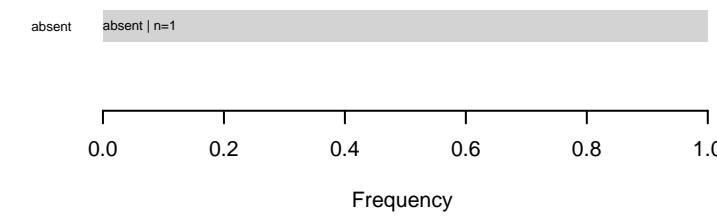
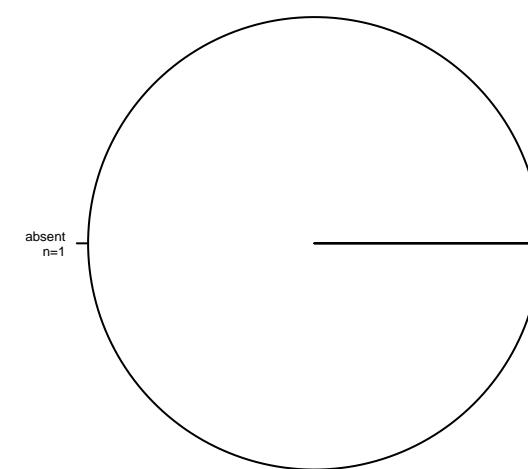




like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM6

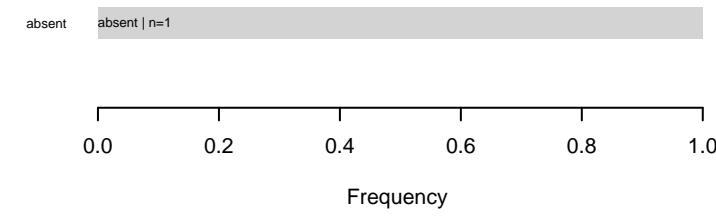
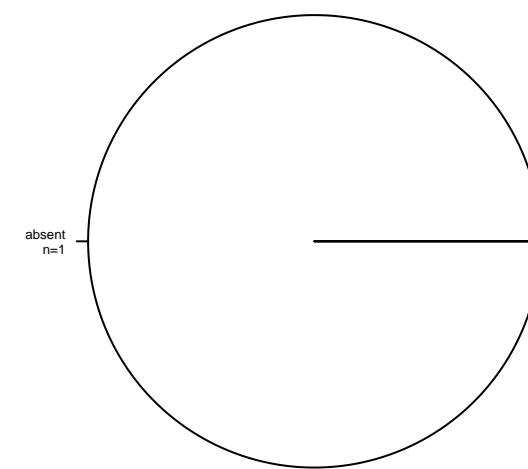
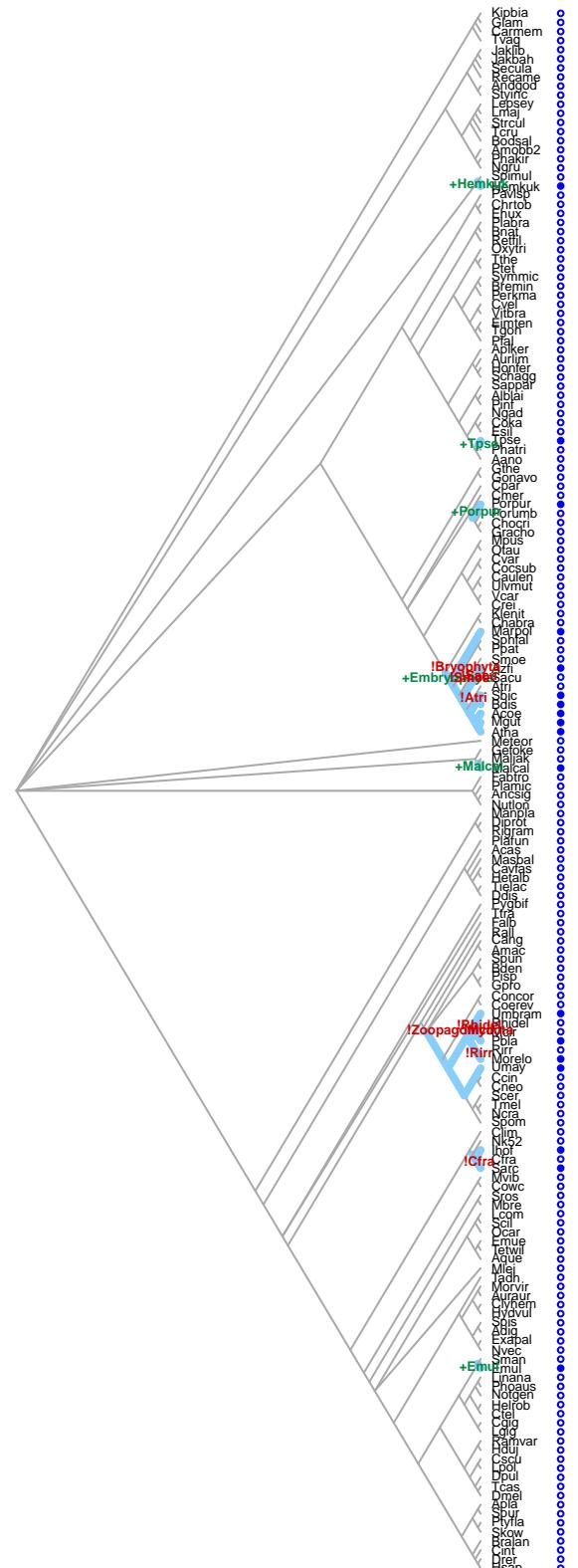


Gain: Emul,NA
Presence Eukaryota prob = 1.00
Present: 41
Losses: NA



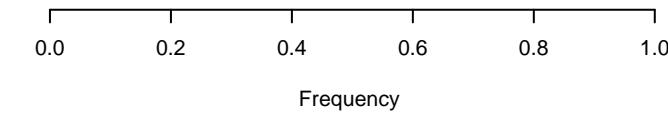
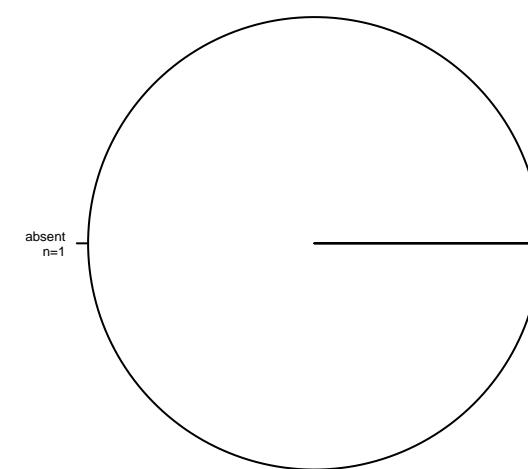
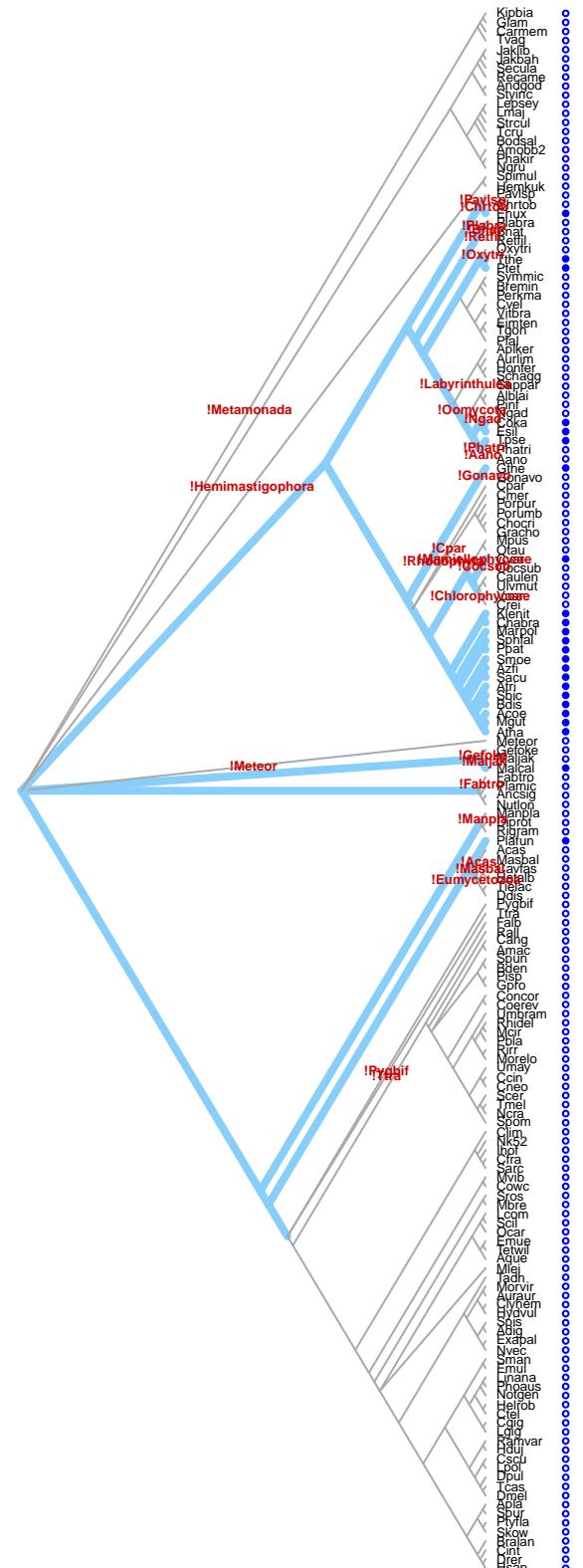
PHD.HG4.3

like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66

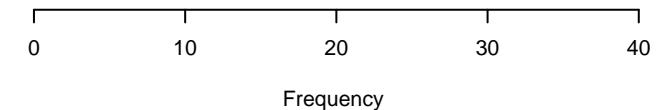
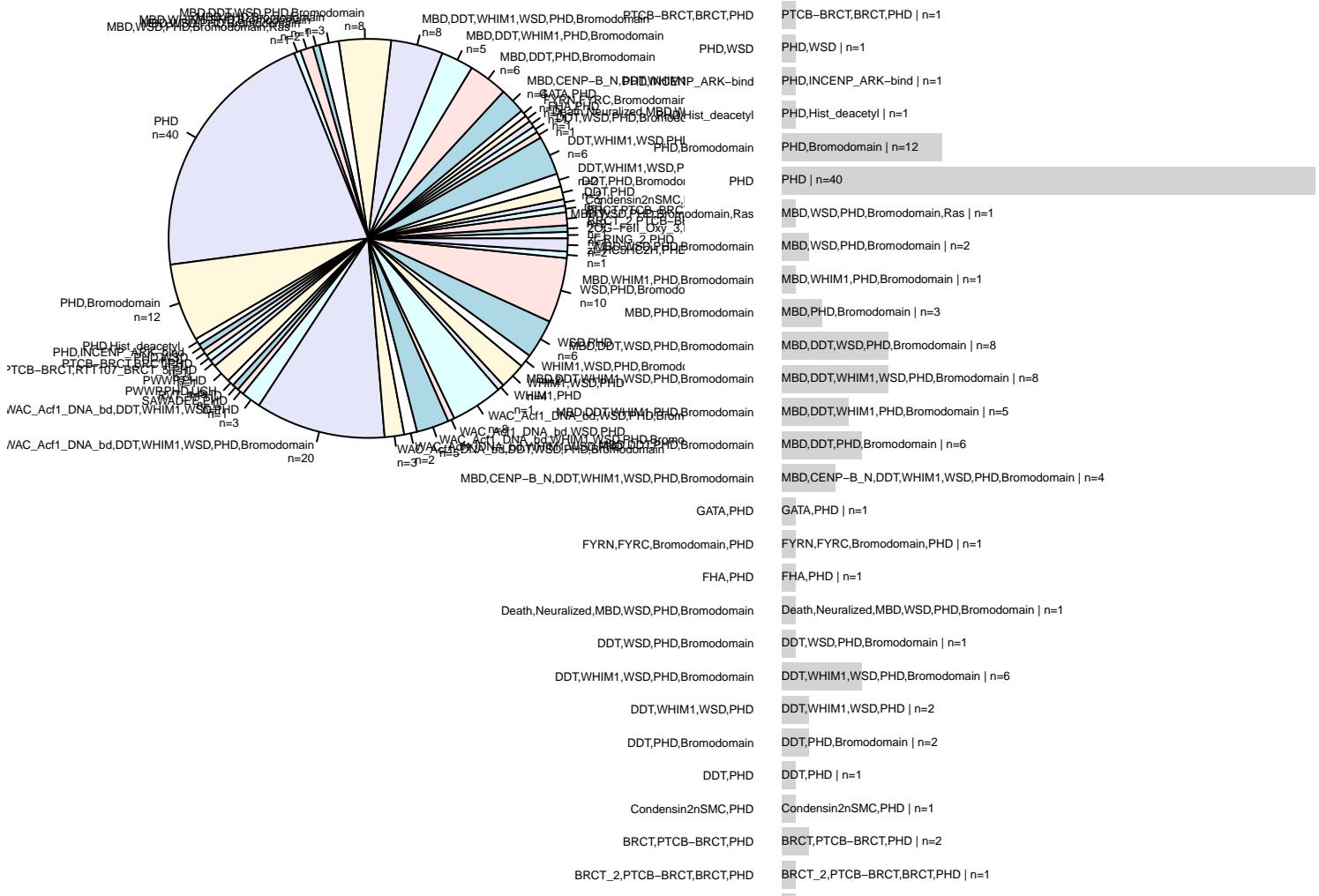
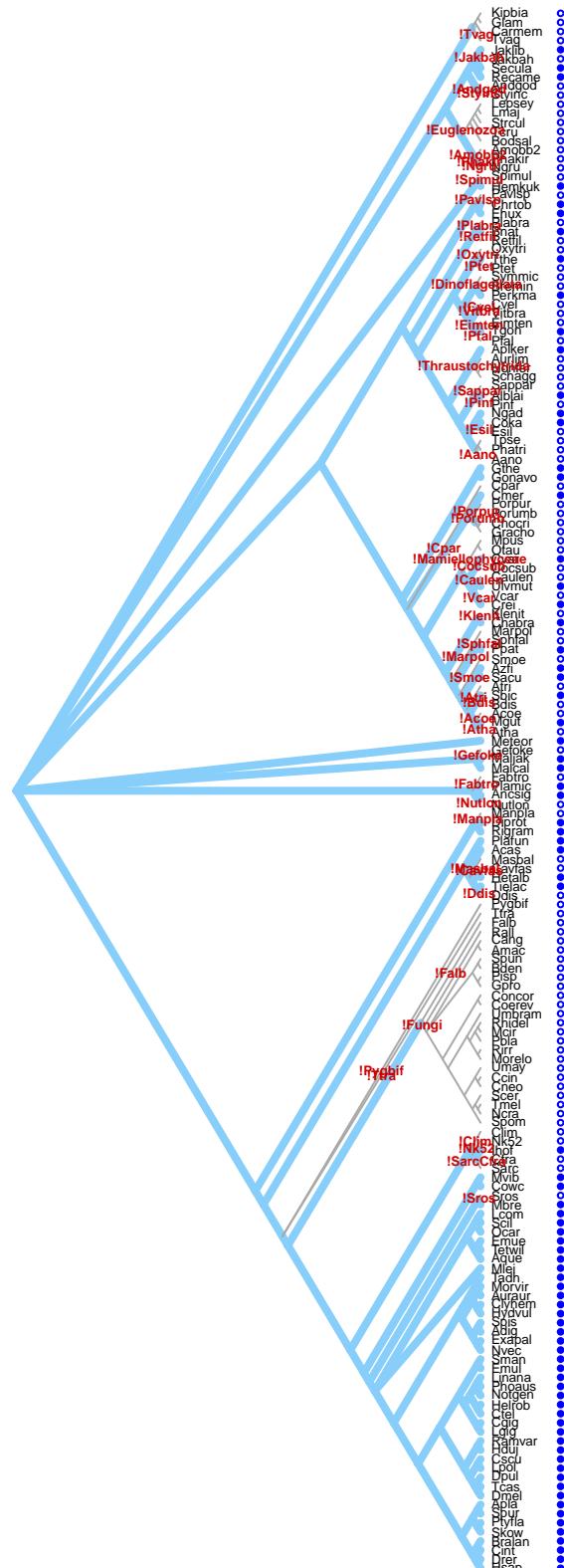


PHD.HG4.4

like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66

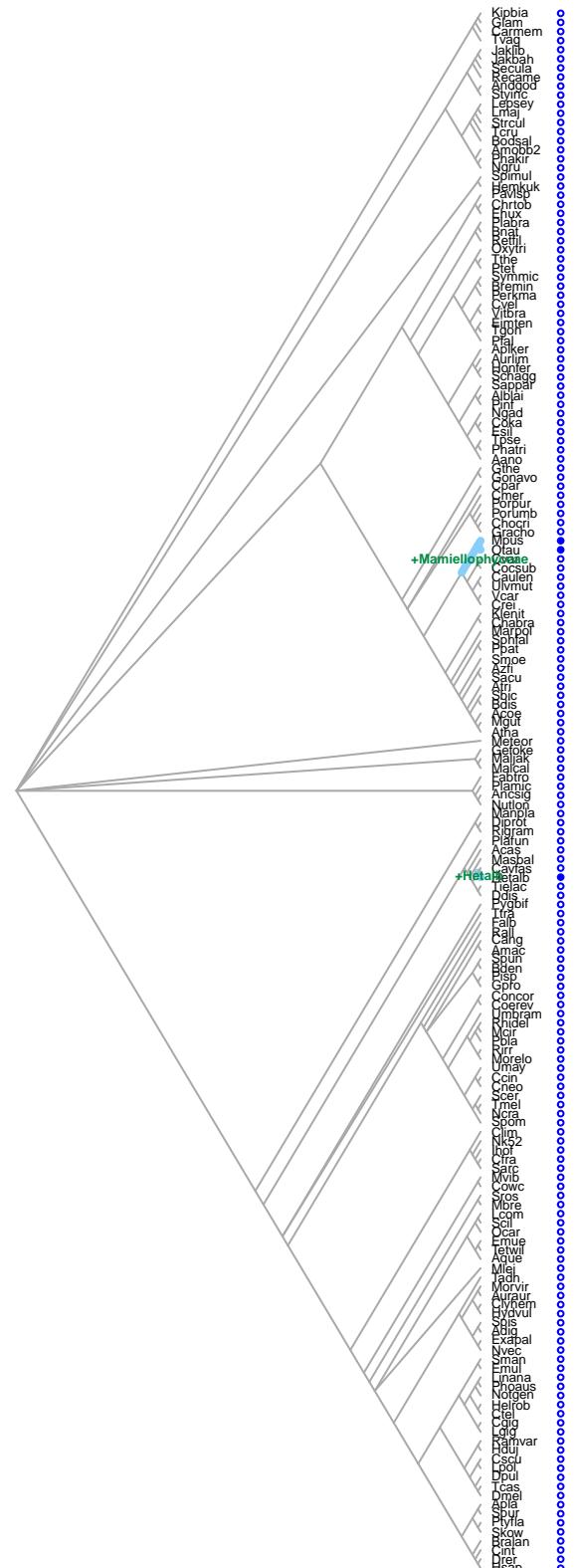


PHD.HG4.5
BAZ1A/BAZ1B/BAZ2A/BAZ2B



PHD.HG4.6

like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66

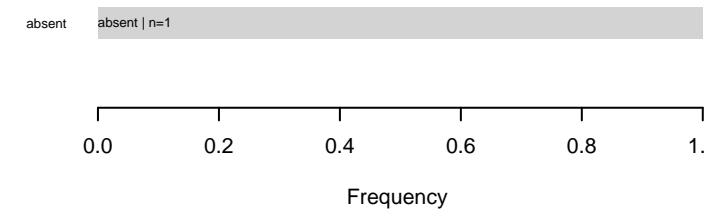
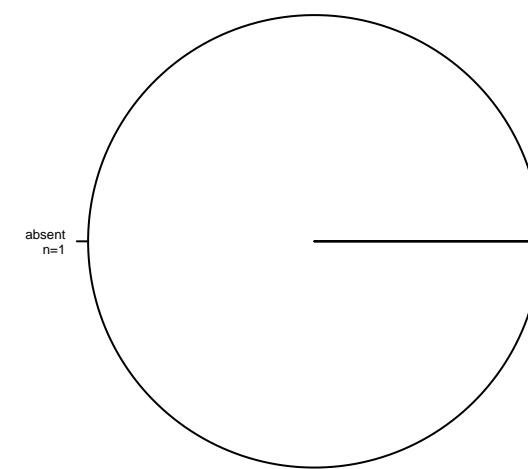


Gain: Hetalb,Mamiellophyceae,NA

Presence Eukaryota prob = 0.00

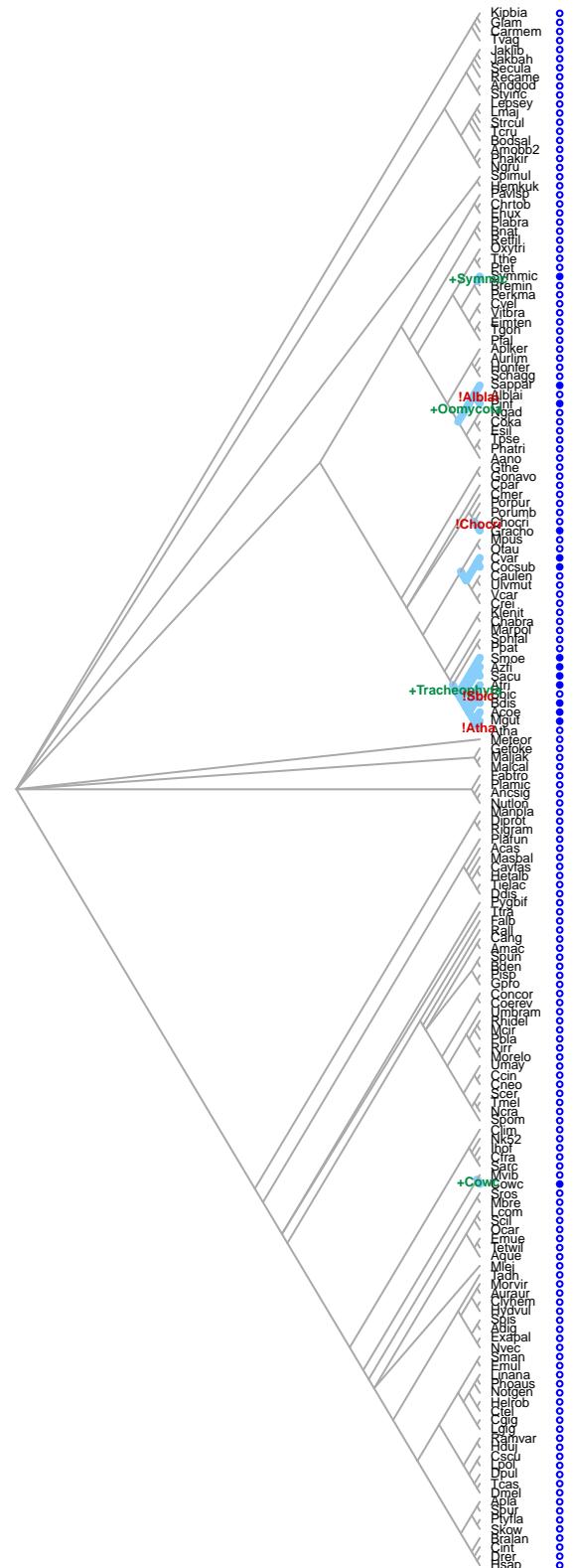
Present: 3

Losses: NA



PHD.HG4.7

like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66

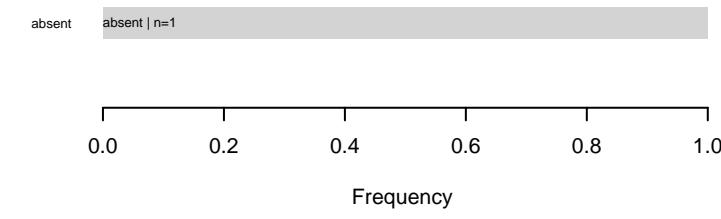
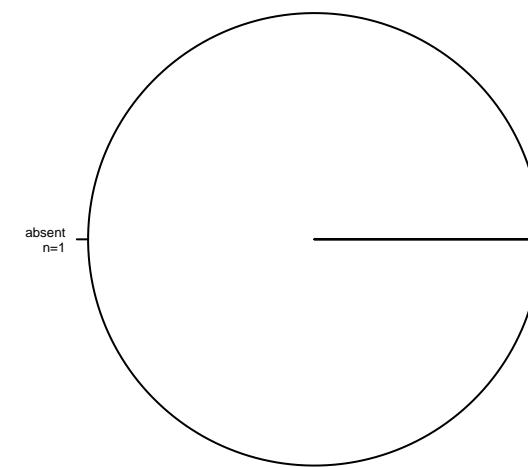


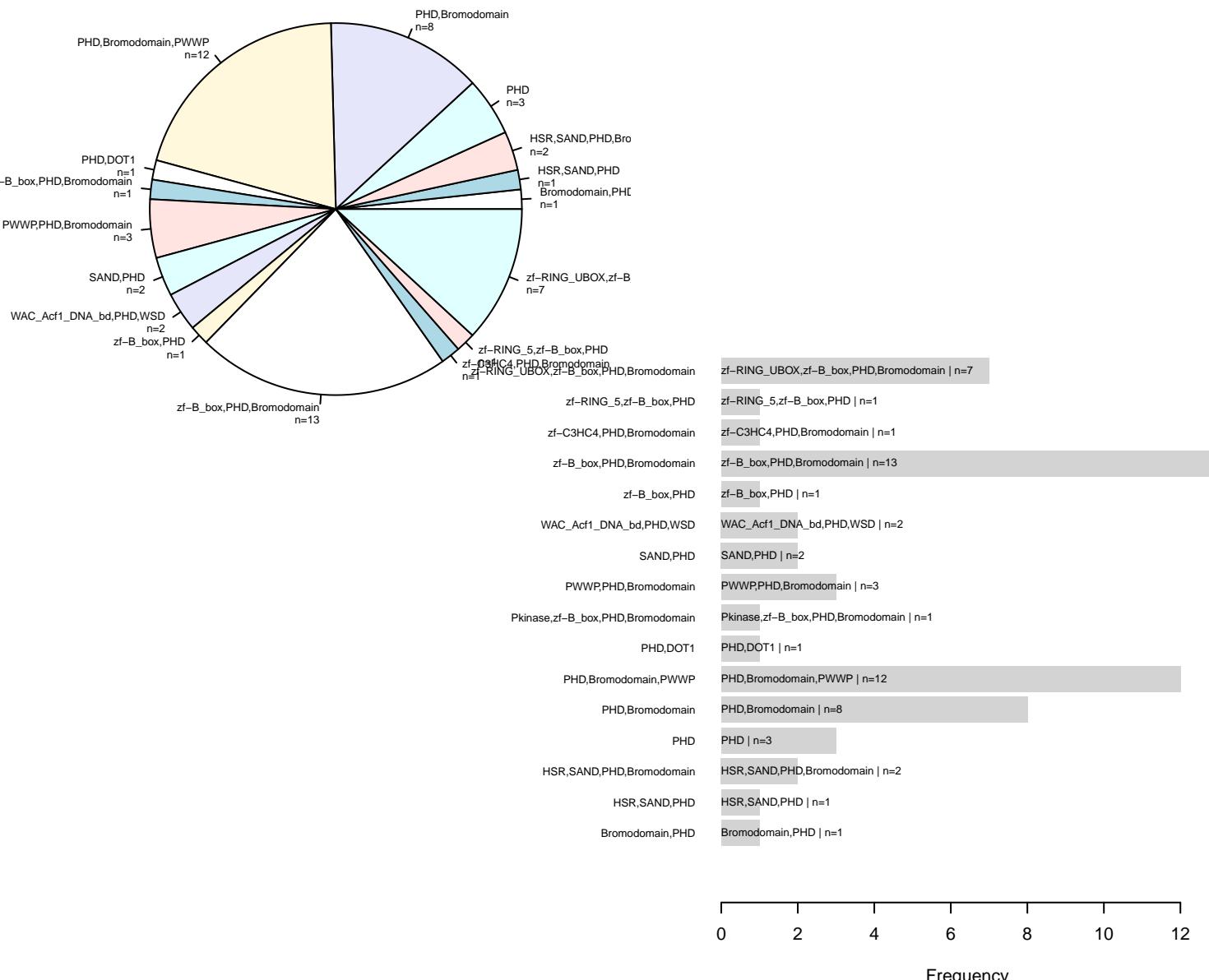
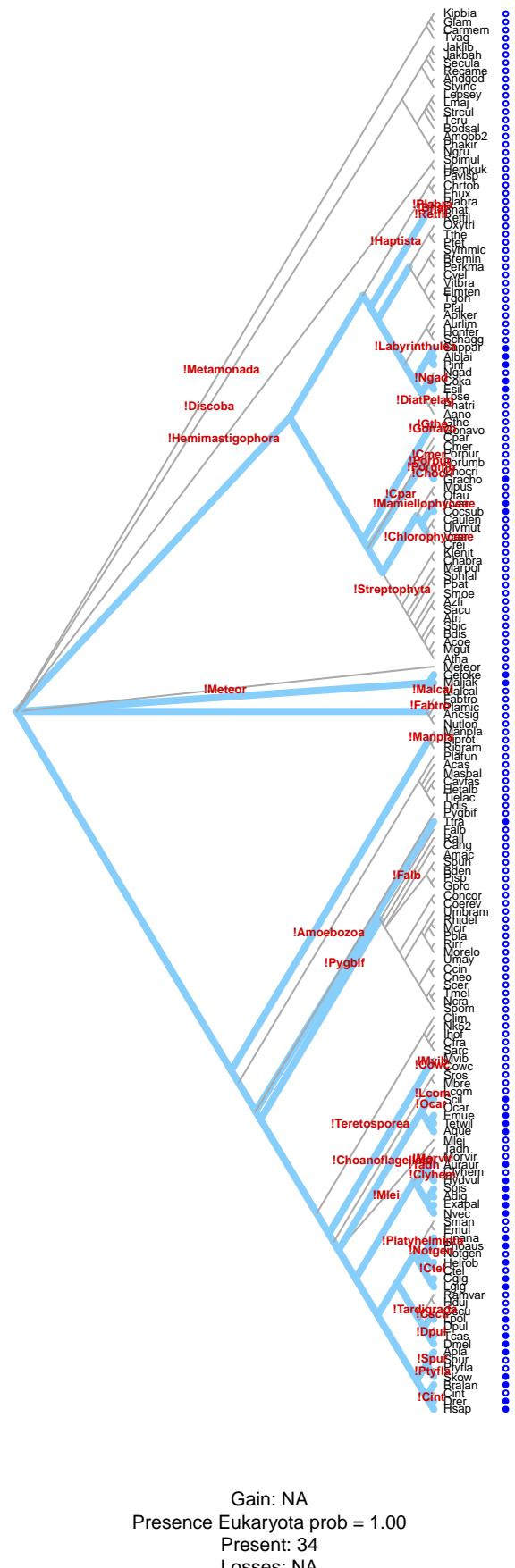
Gain: Cowc, Tracheophyta, Oomycota, Symmic, NA

Presence Eukaryota prob = 0.20

Present: 14

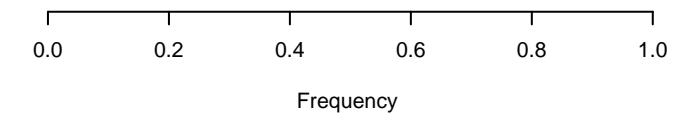
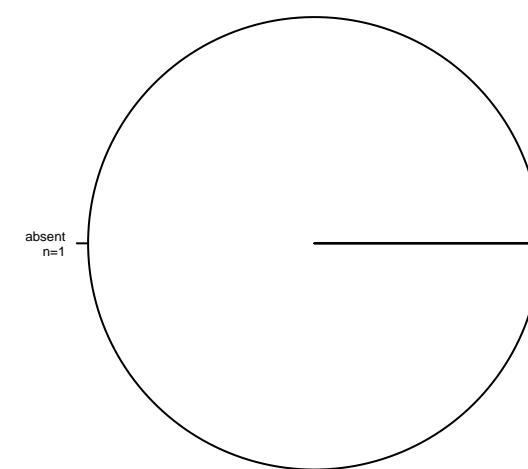
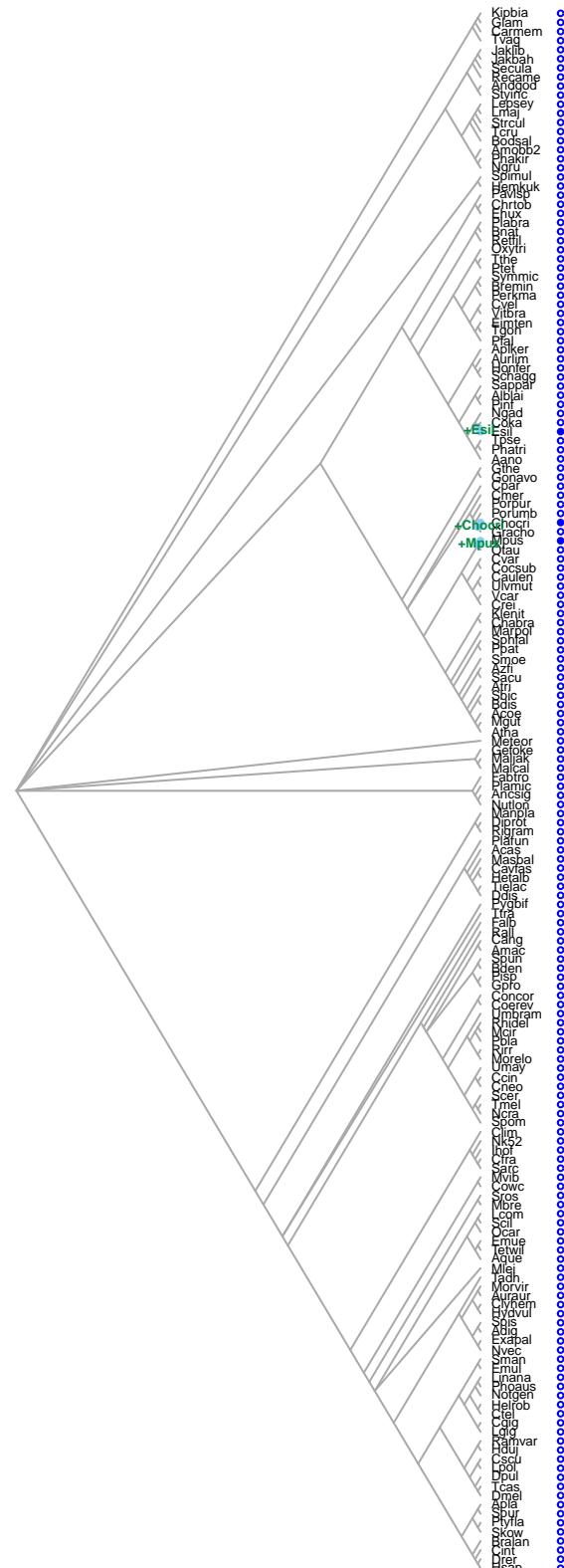
Losses: NA

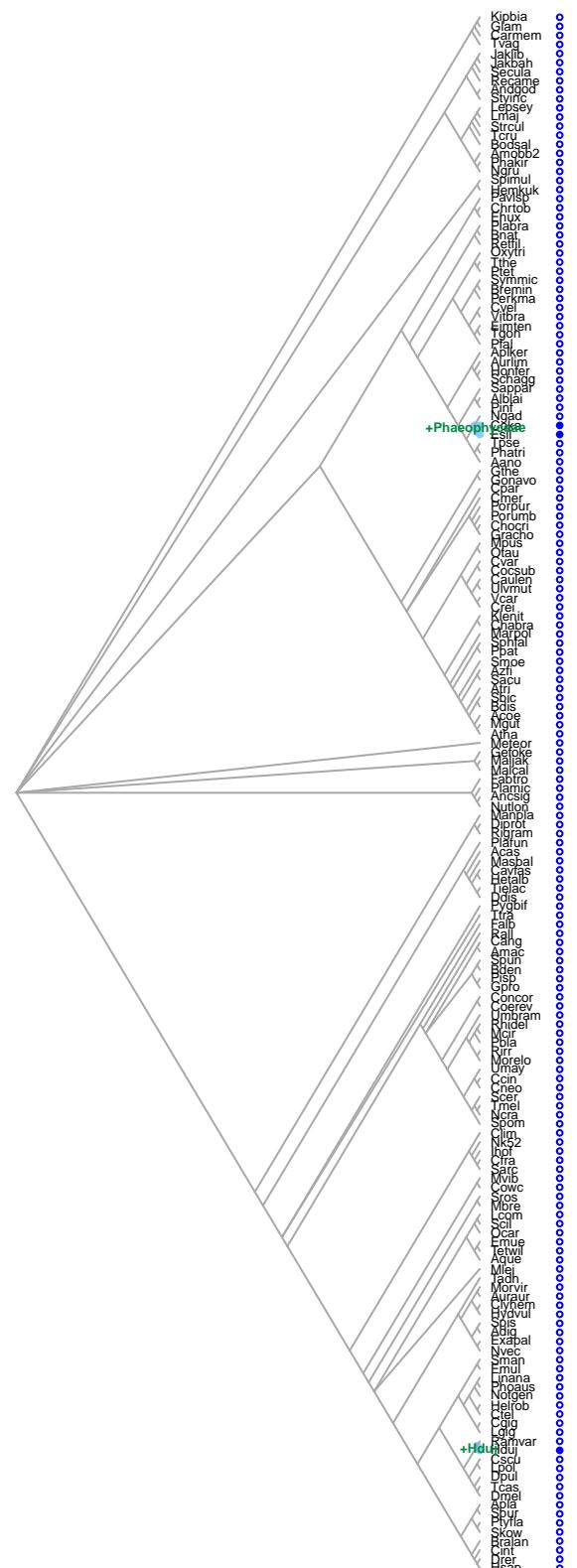




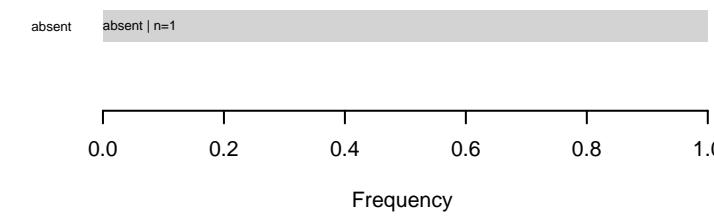
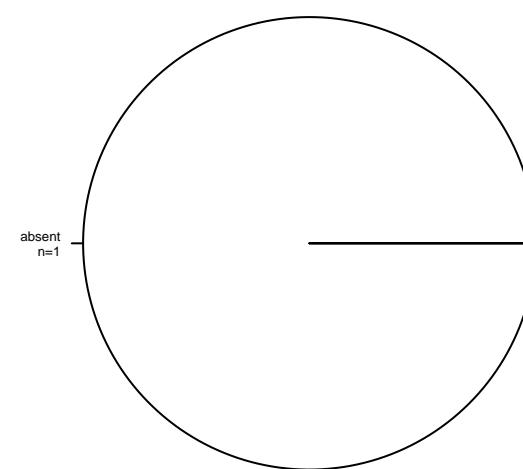
PHD.HG4.9

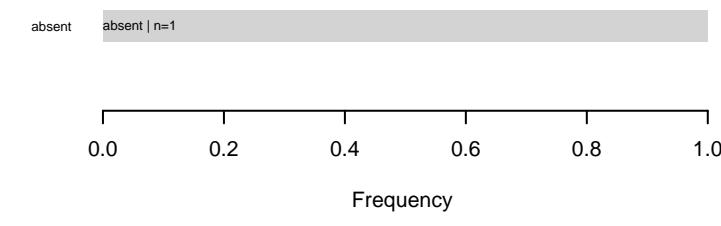
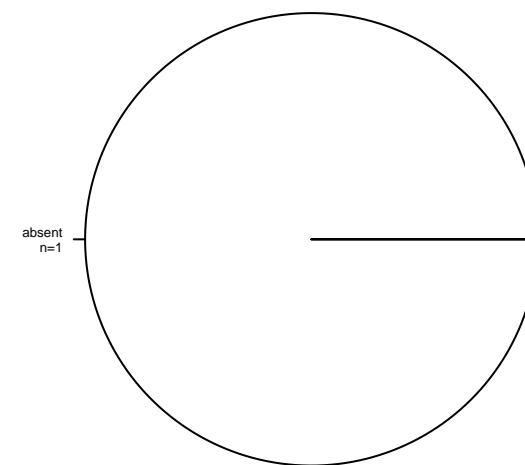
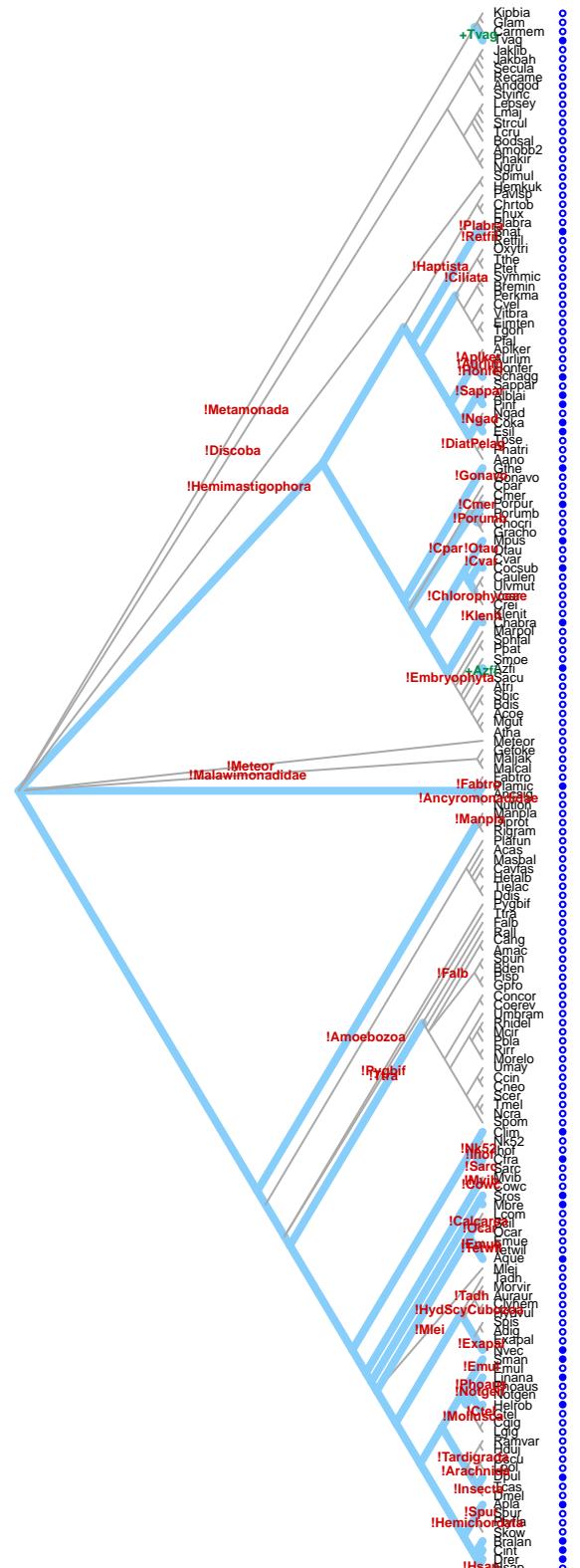
like:BAZ1A/BAZ1B/BAZ2A/BAZ2B/SP140L/TRIM24/TRIM28/TRIM33/TRIM66



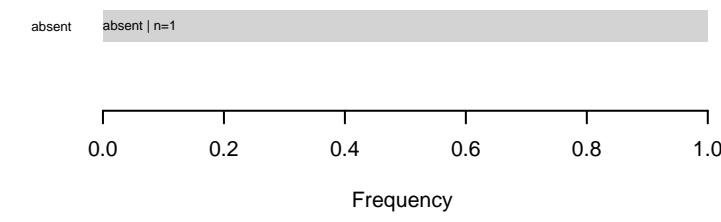
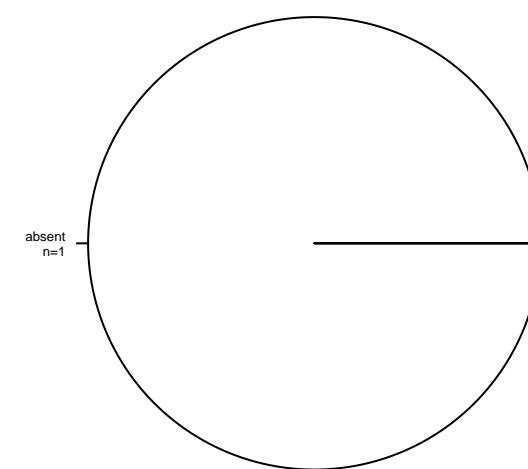
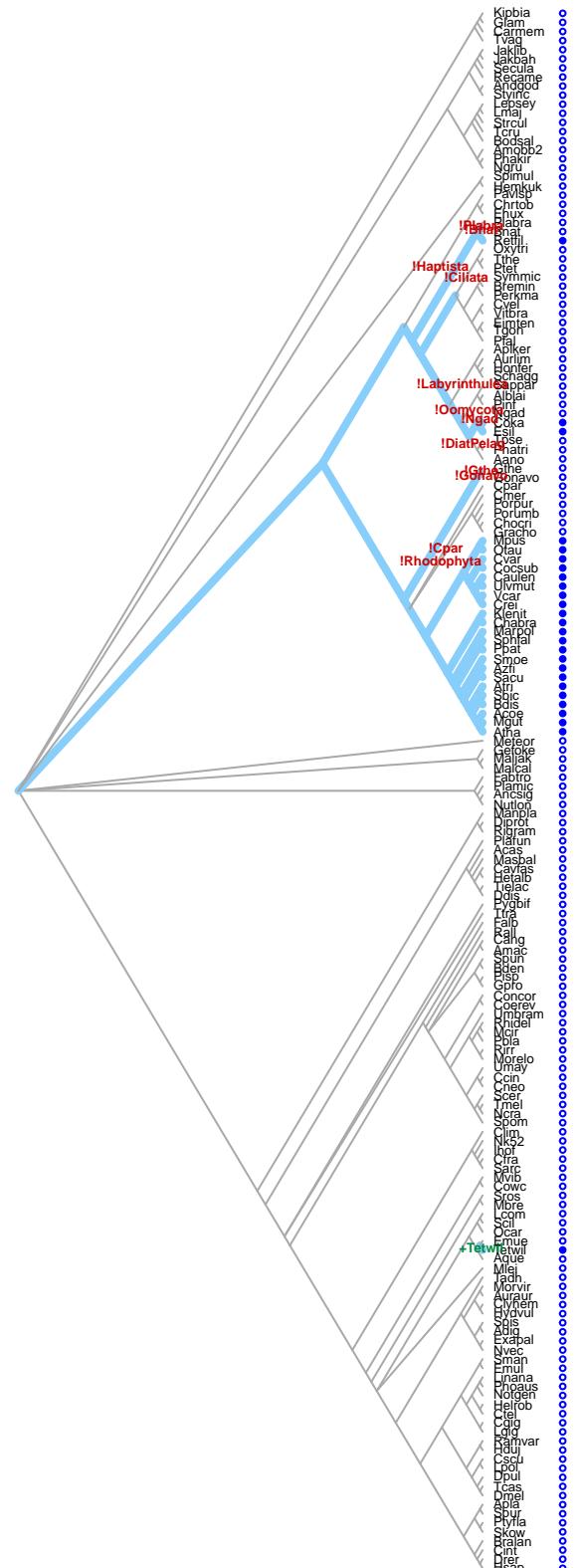


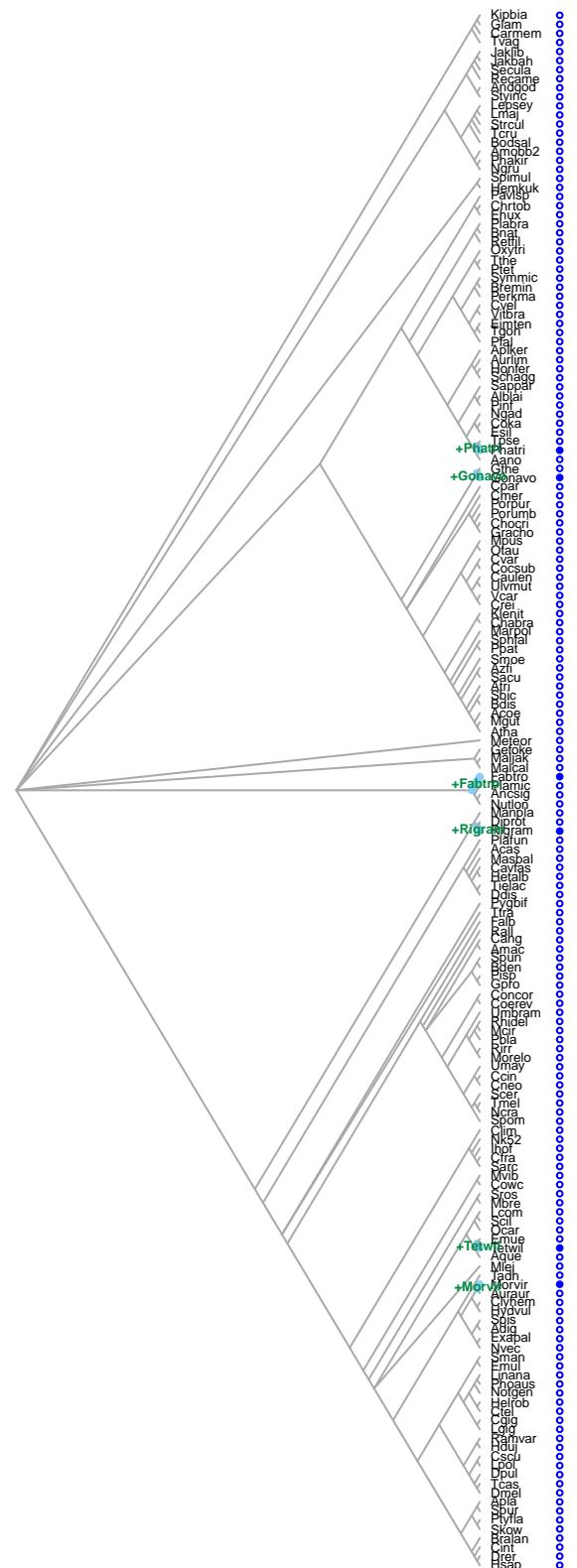
Gain: Hduj, Phaeophyceae, NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA





PHD.HG5.2
like:KMT2A/KMT2B/KMT2C/KMT2D



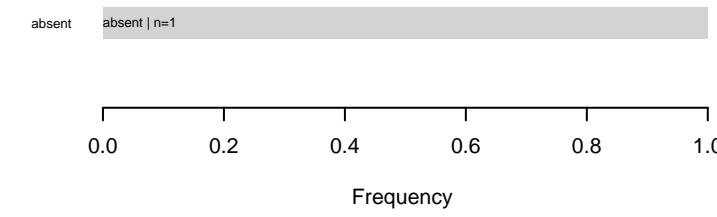
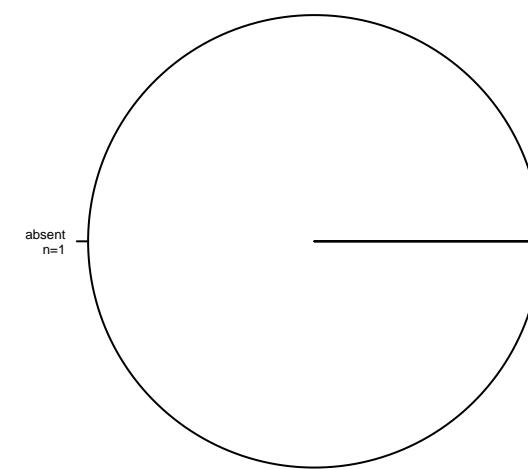


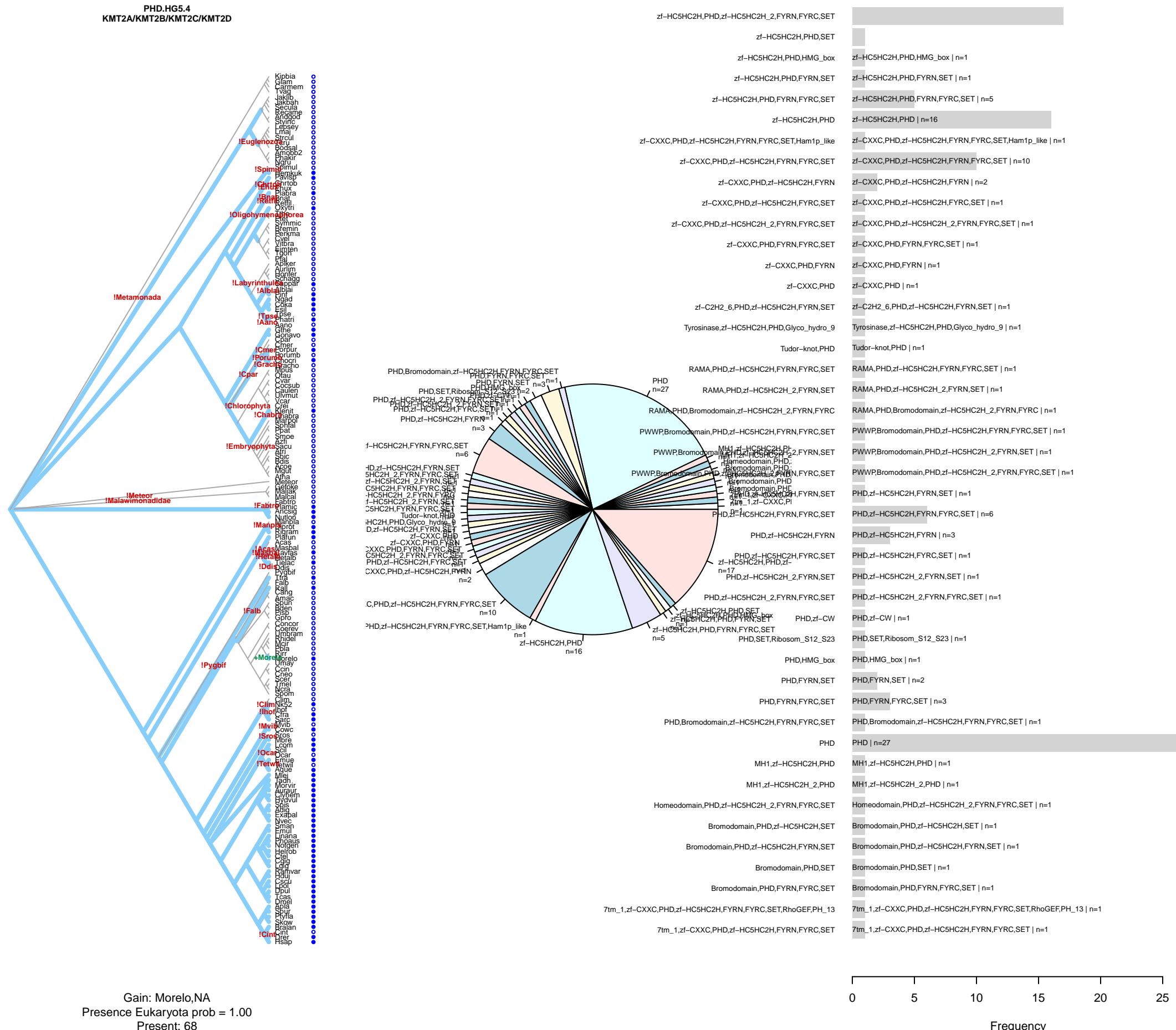
Gain: Morvir, Tetwil, Rigram, Fabtro, Gonavo, Phatri, NA

Presence Eukaryota prob = 0.34

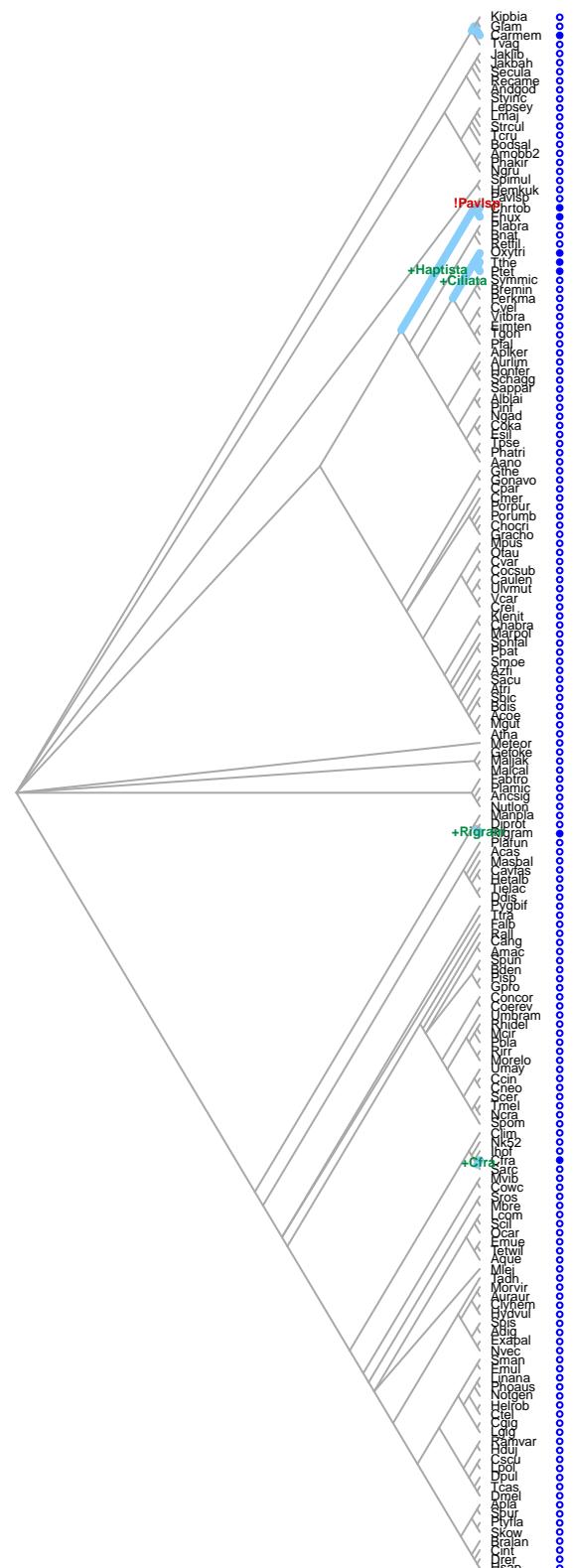
Present: 6

Losses: NA





PHD.HG5.5
like:KMT2A/KMT2B/KMT2C/KMT2D

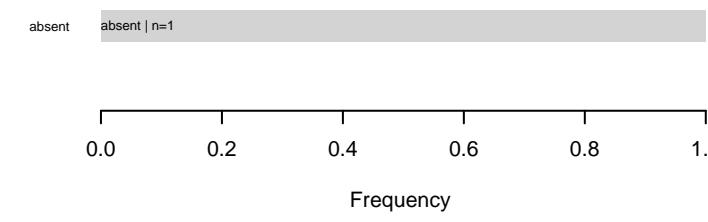
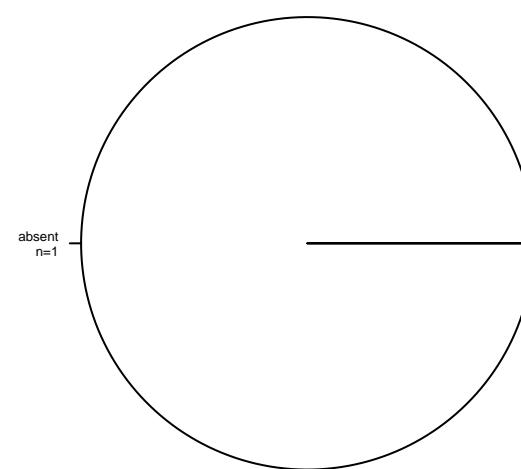


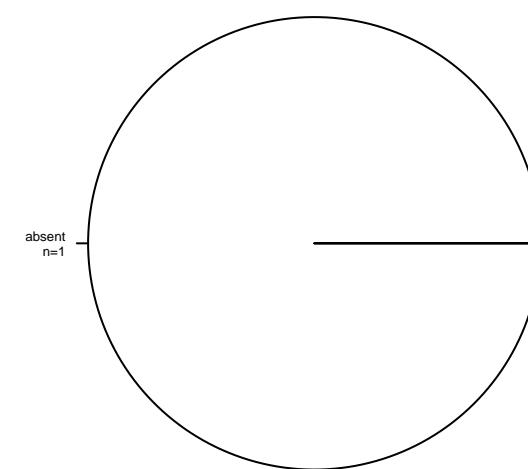
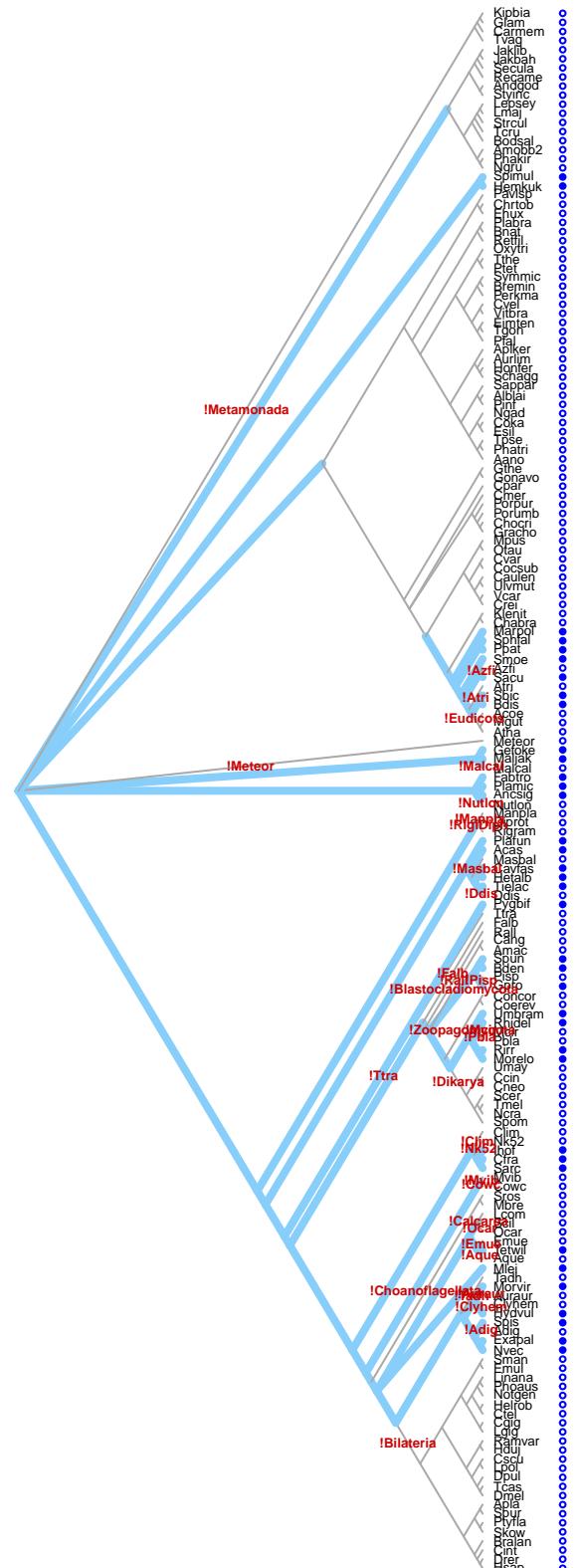
Gain: Cfra,Rigram,Ciliata,Haptista,NA

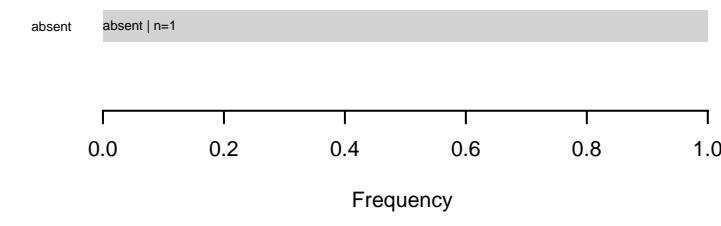
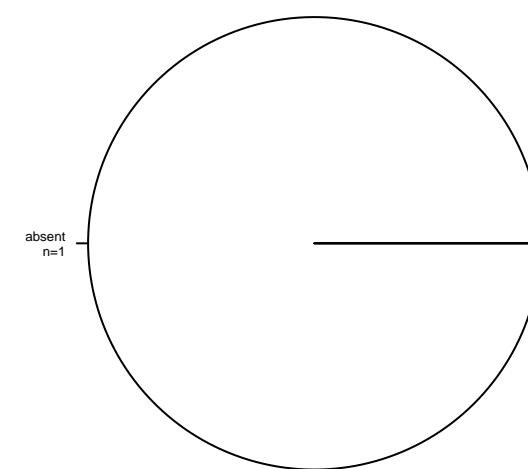
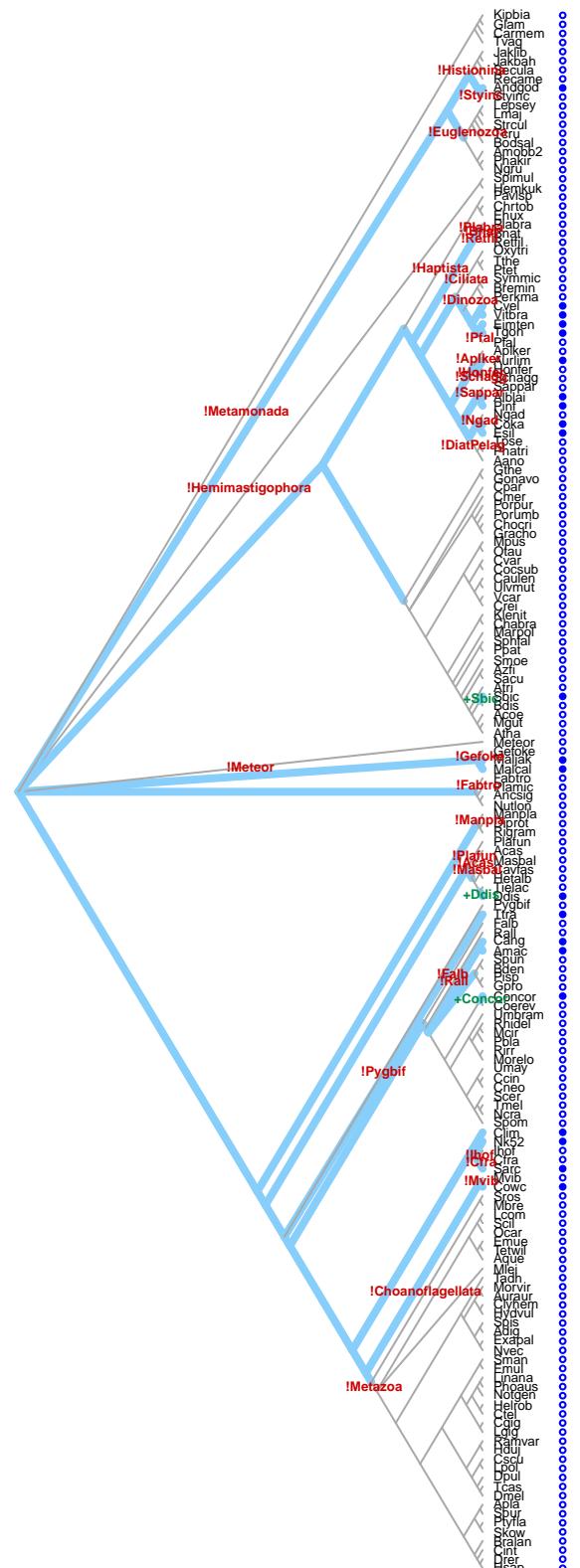
Presence Eukaryota prob = 0.02

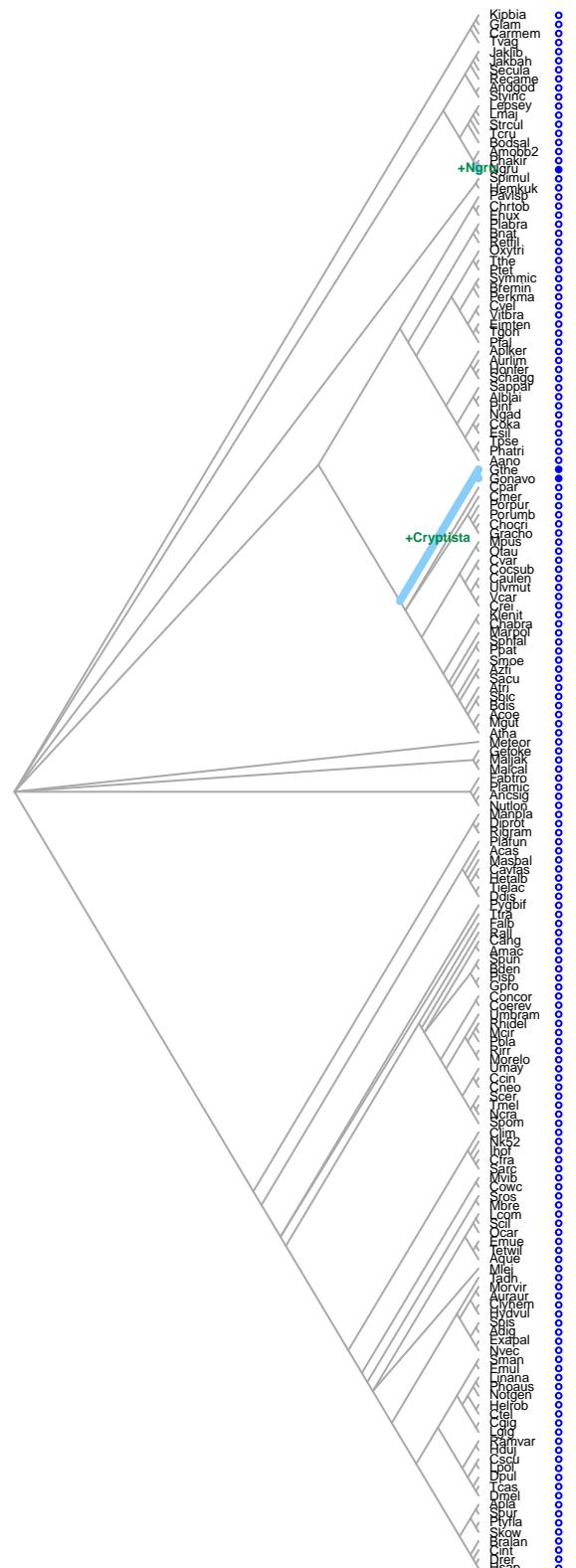
Present: 8

Losses: NA

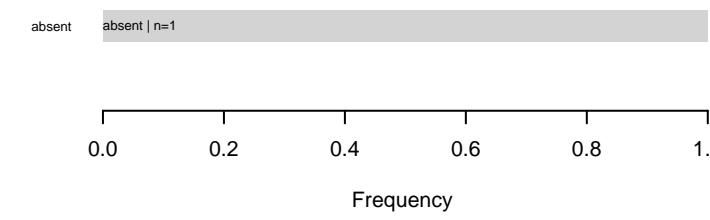
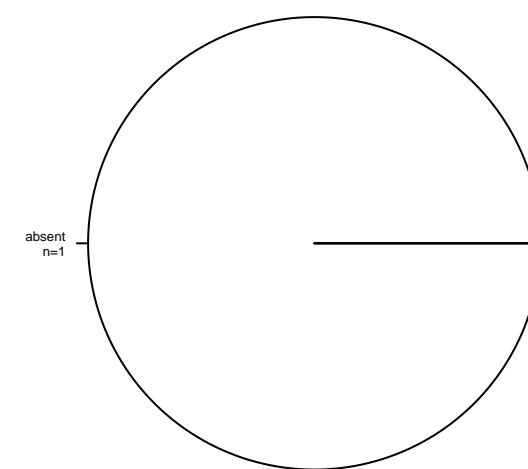


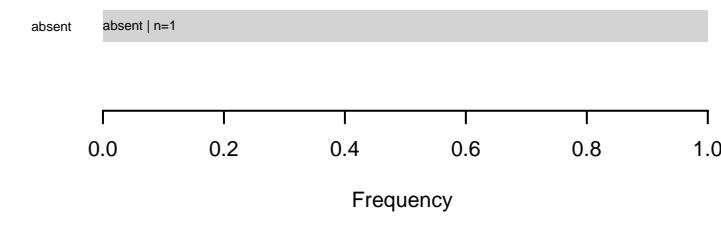
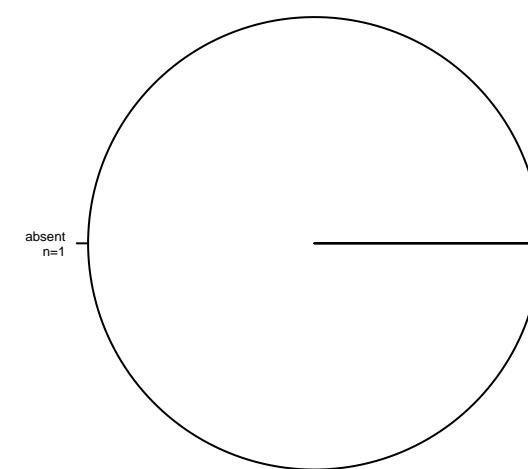
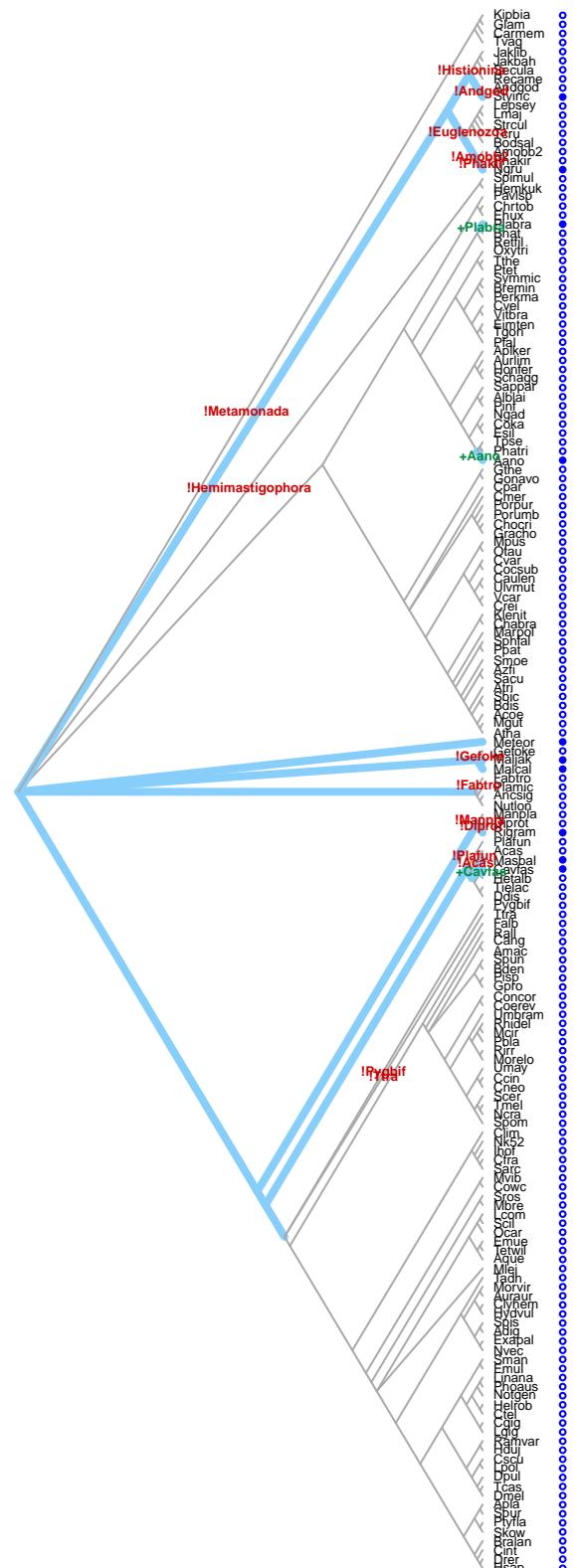


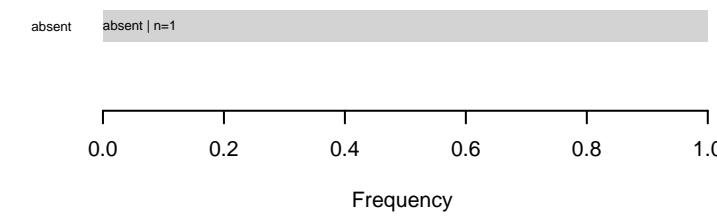
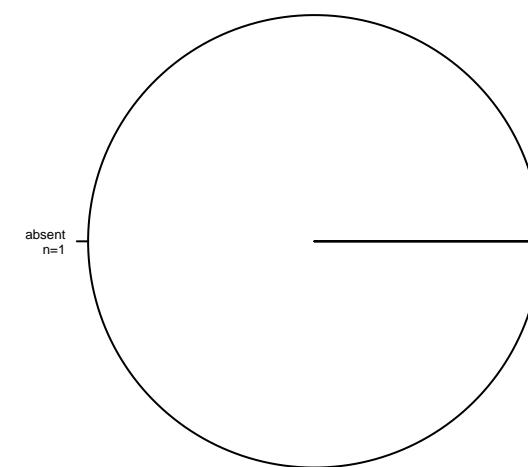
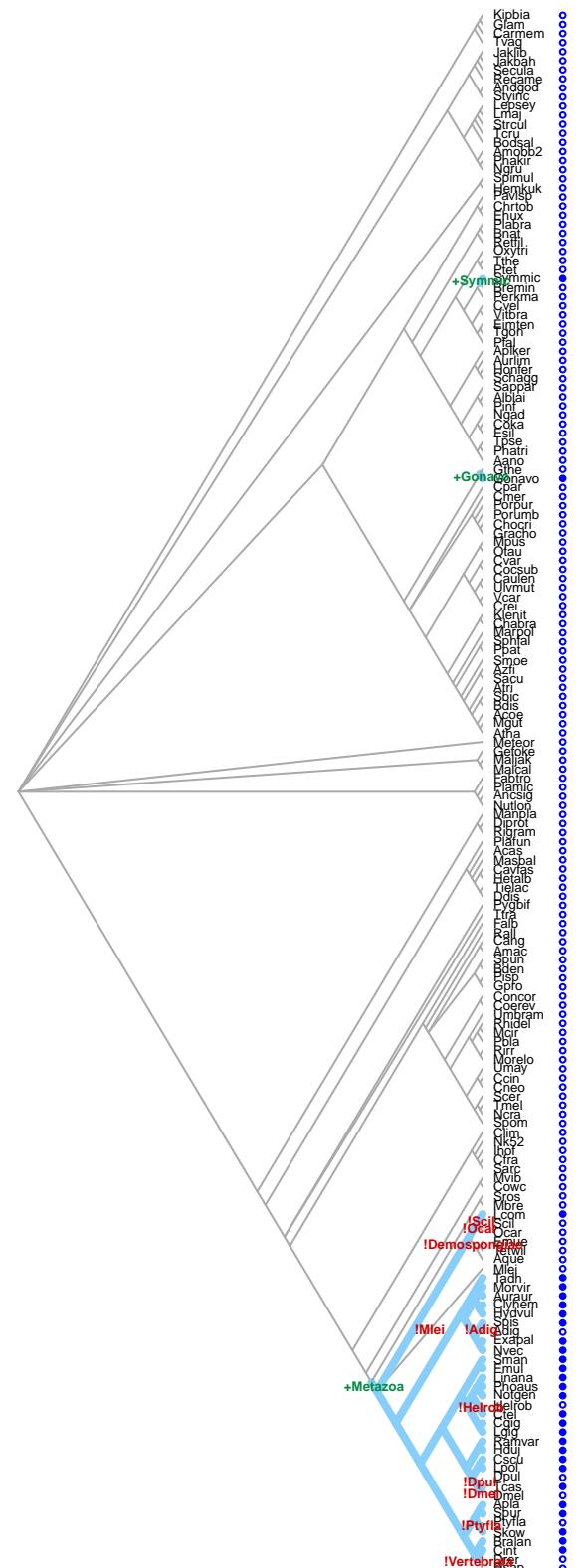


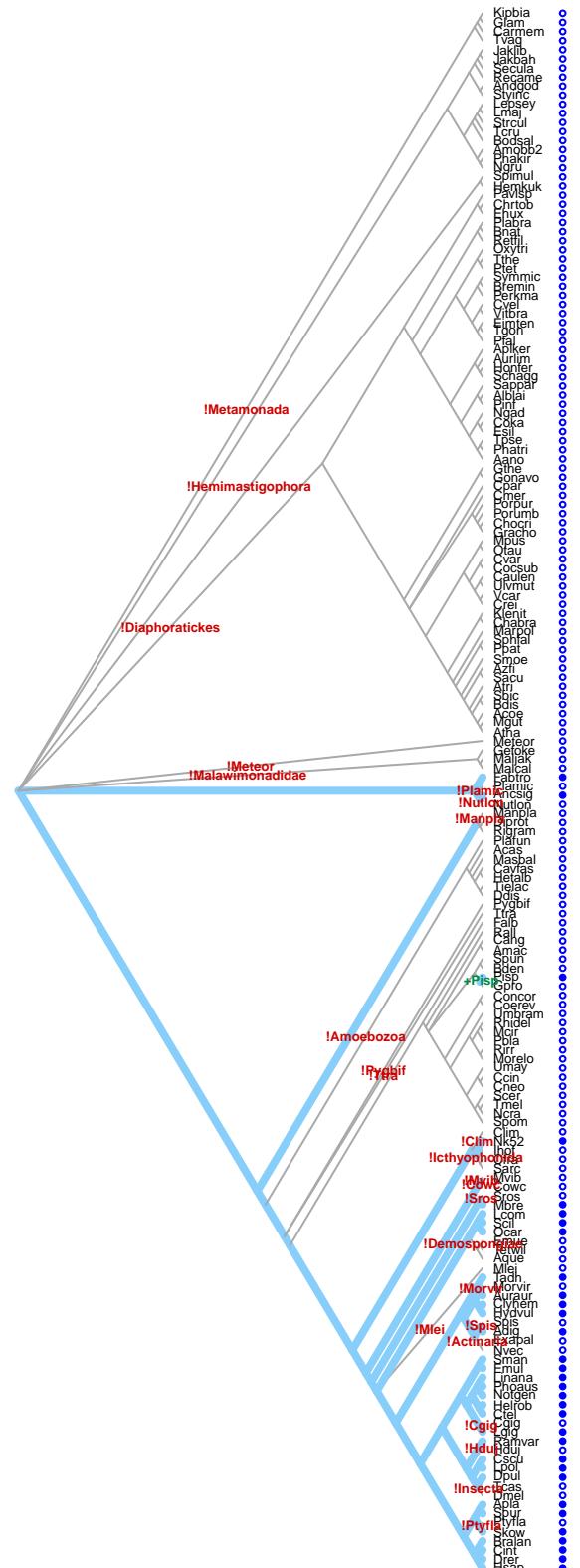


Gain: Cryptista,Ngru,NA
Presence Eukaryota prob = 0.08
Present: 3
Losses: NA





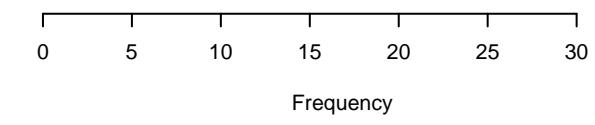


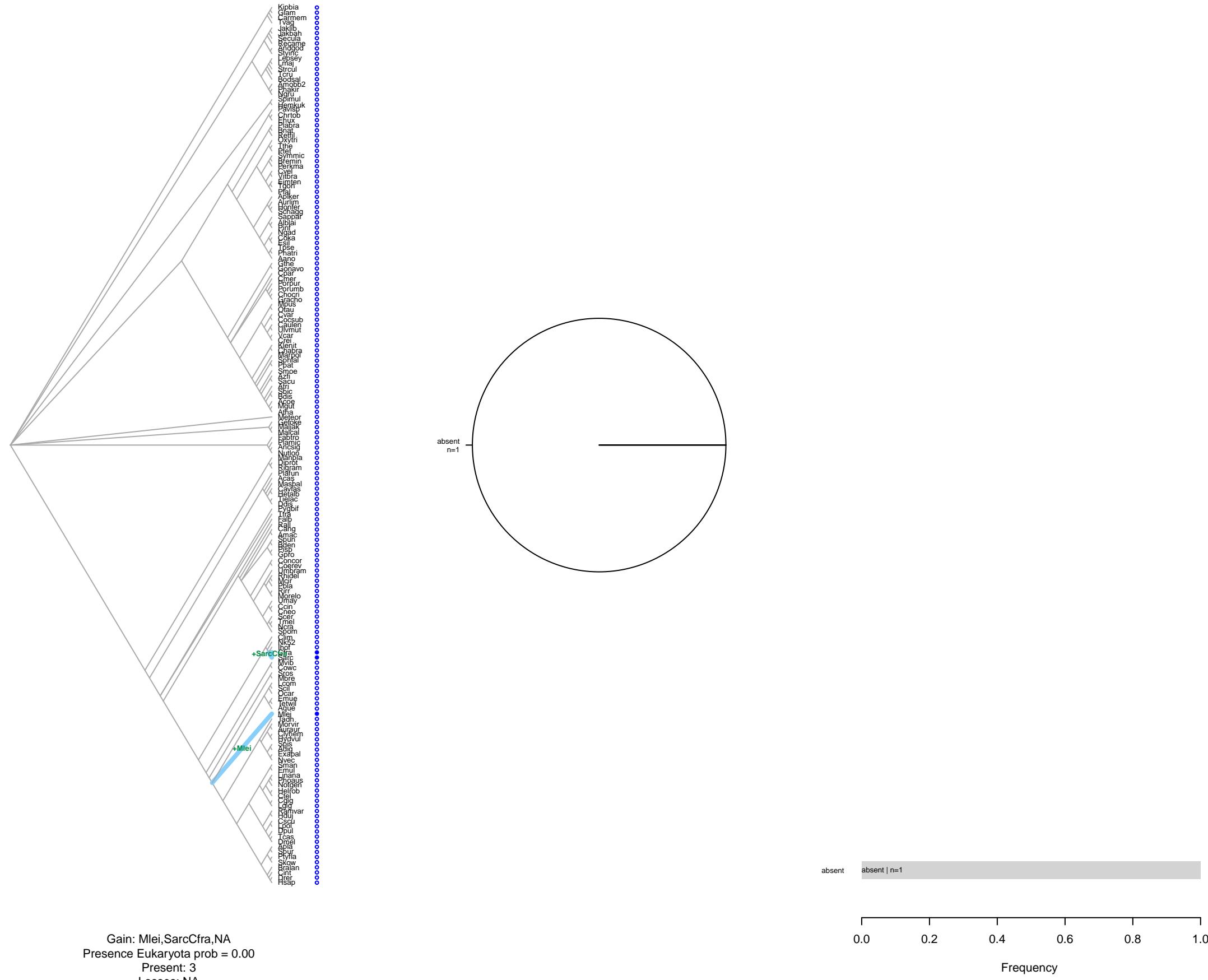


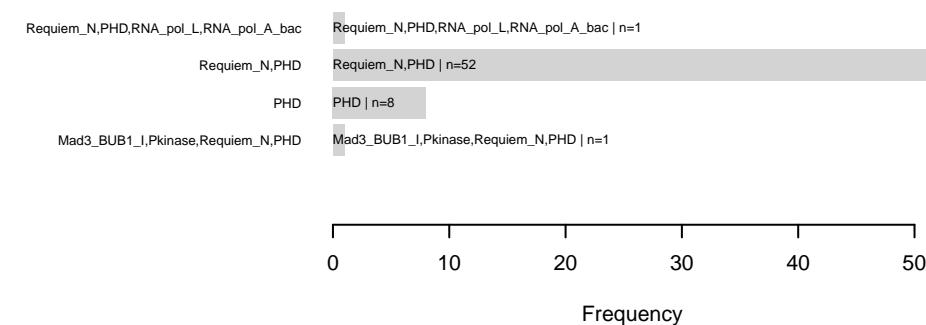
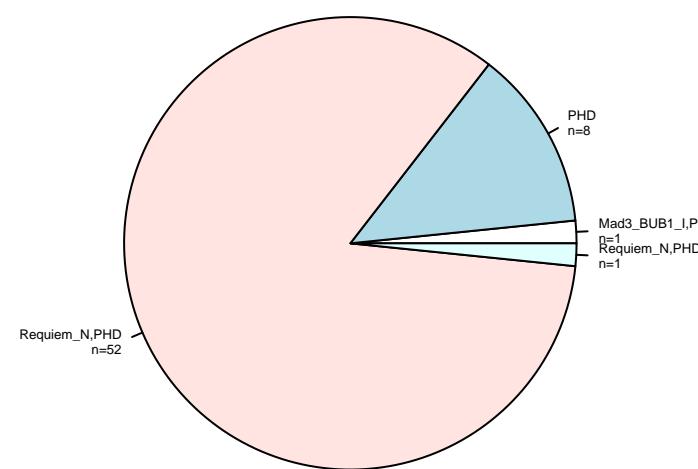
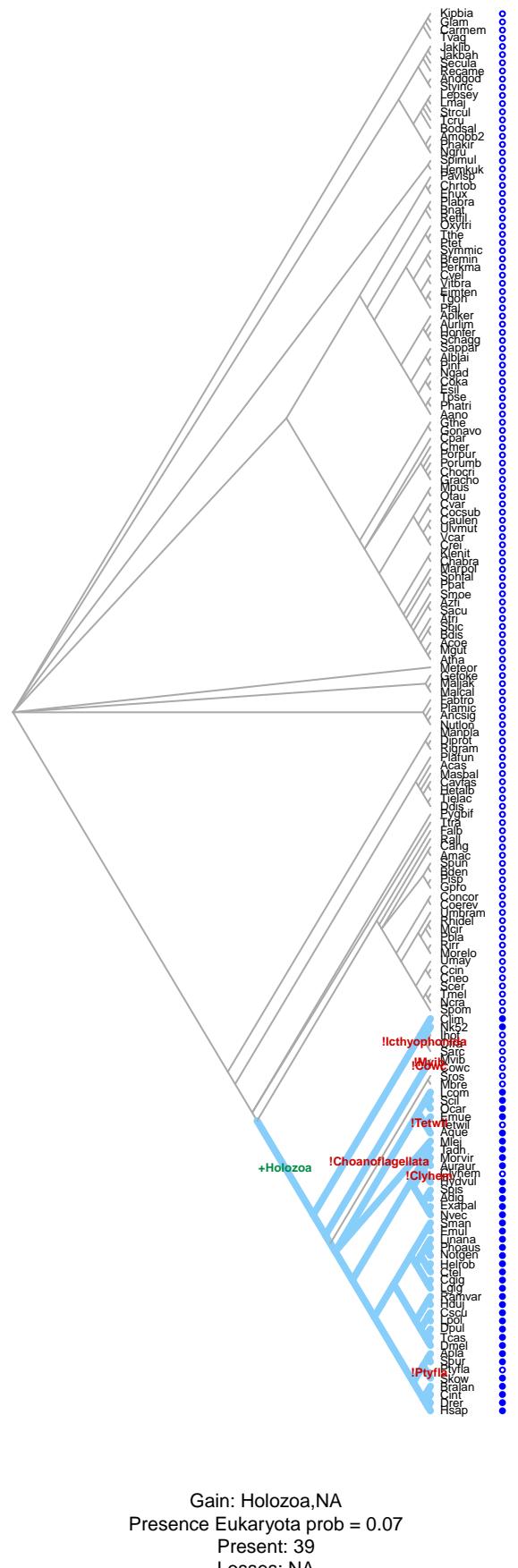
PHD
n=34

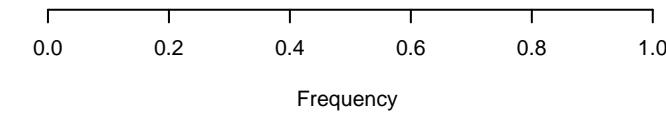
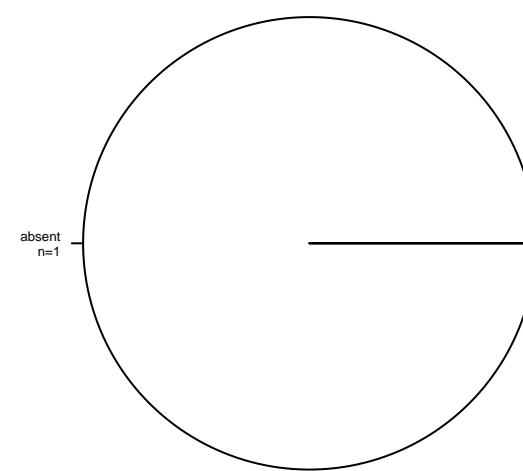
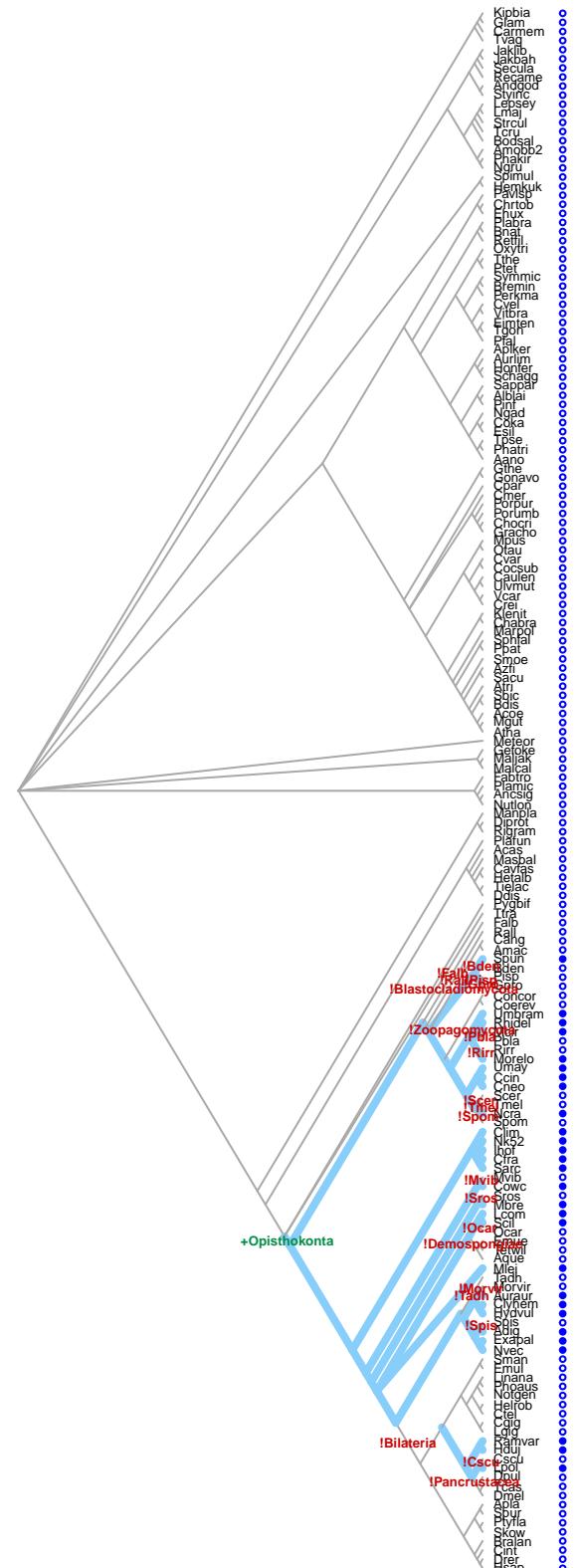
PHD,Pkinase,KELK,DMPK_coil,C1_1,CNH | n=1

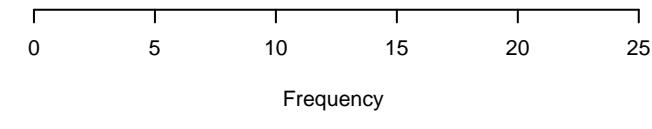
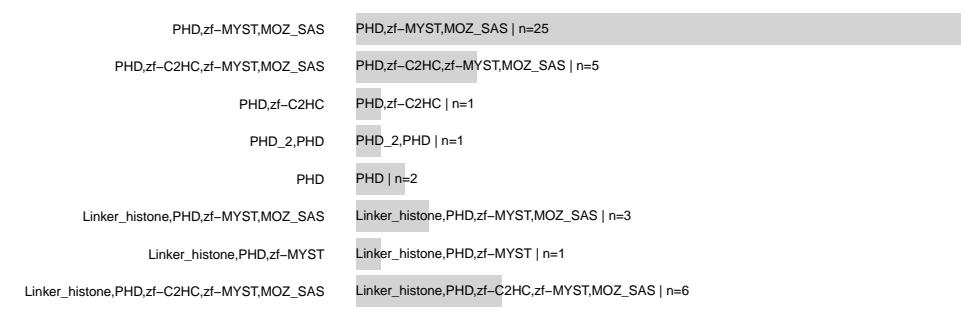
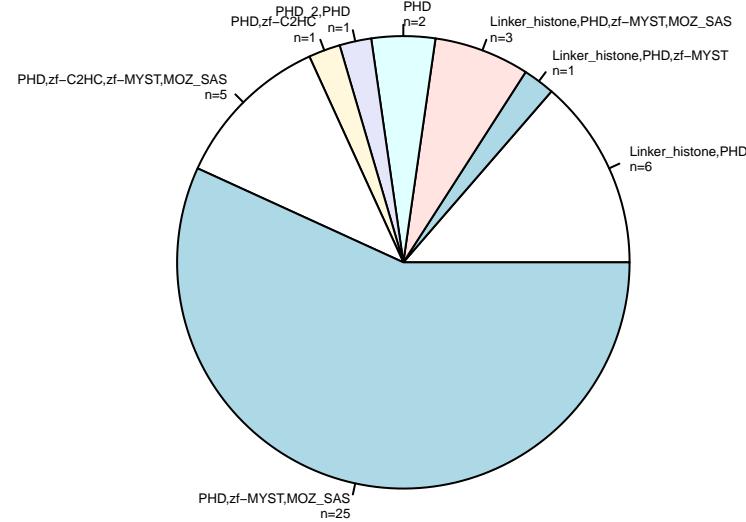
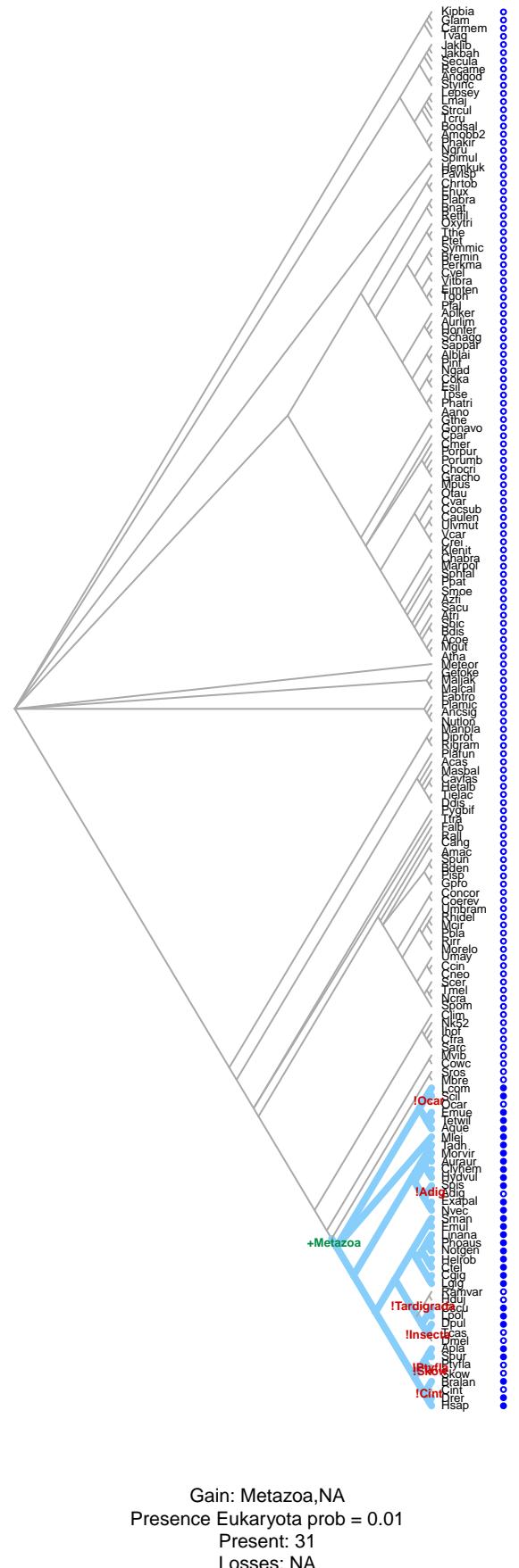
PHD | n=34

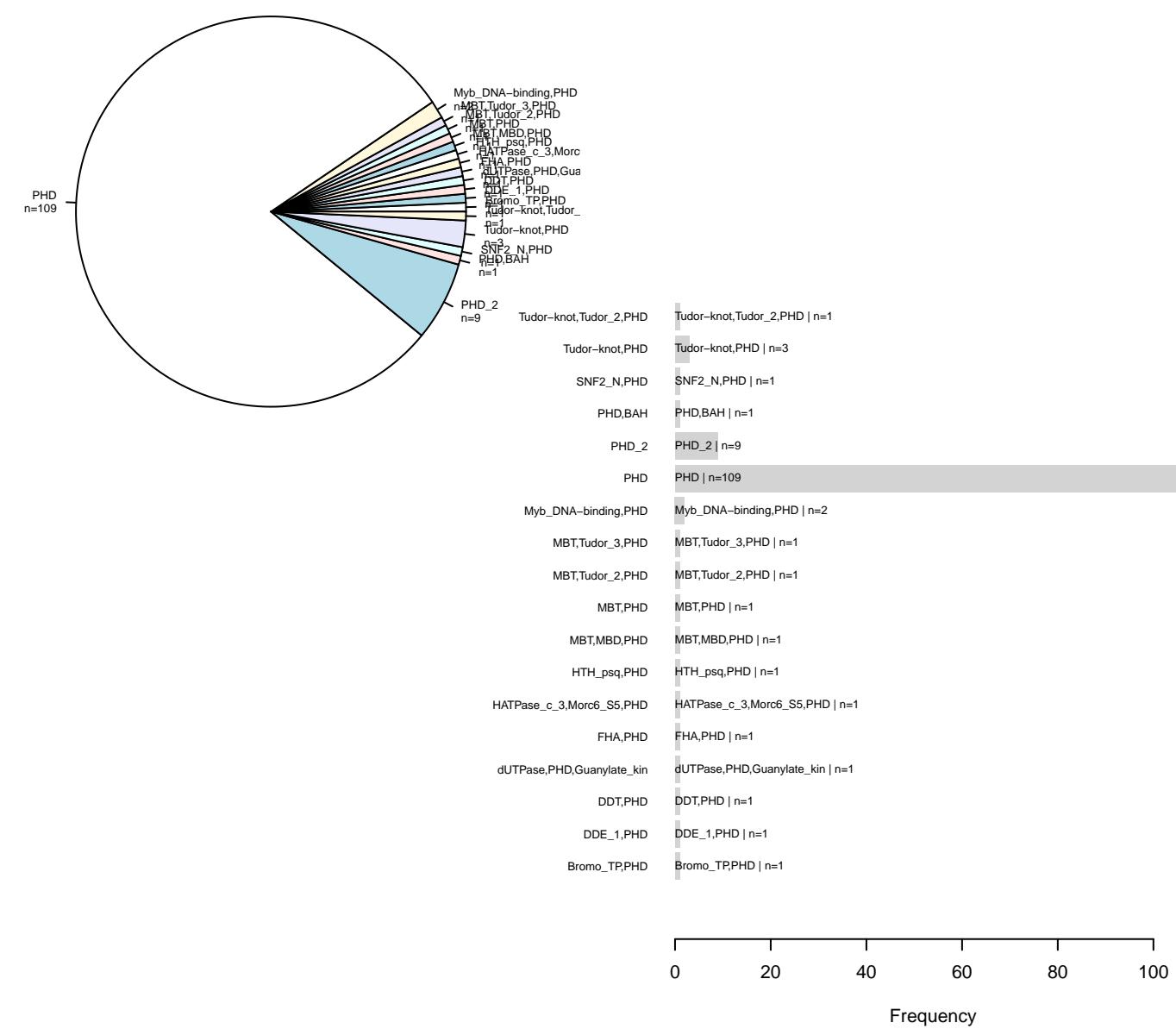
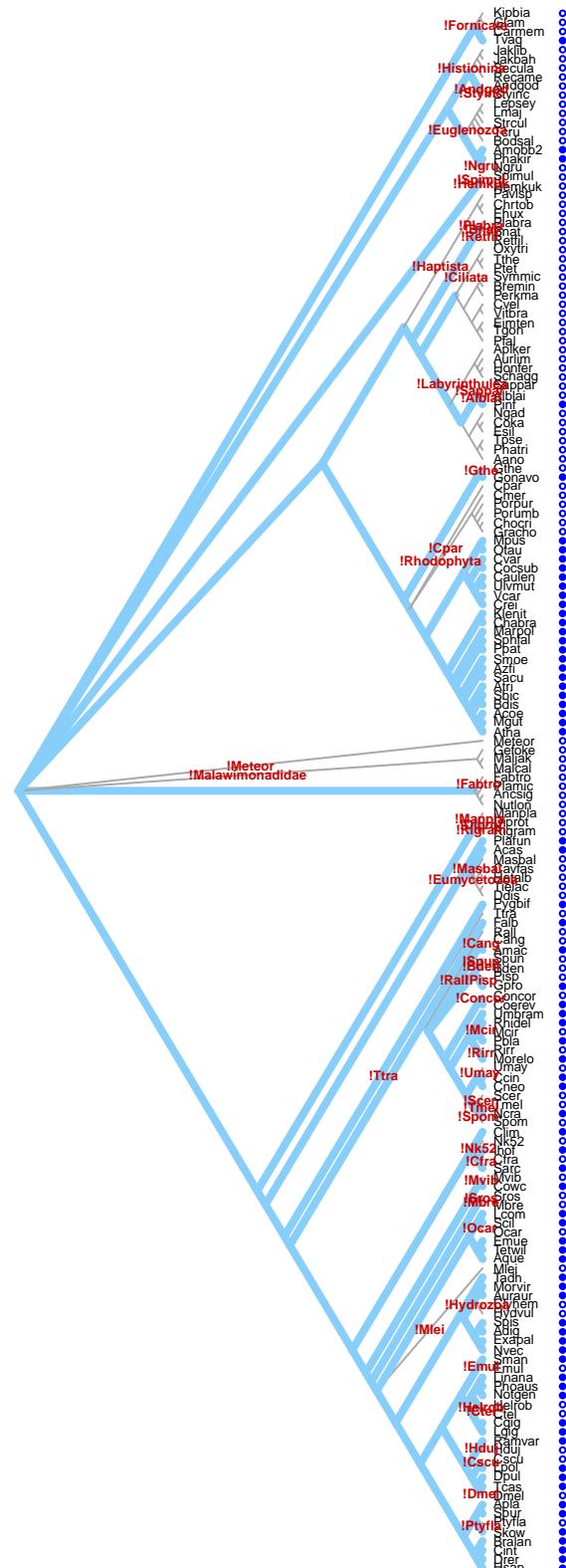


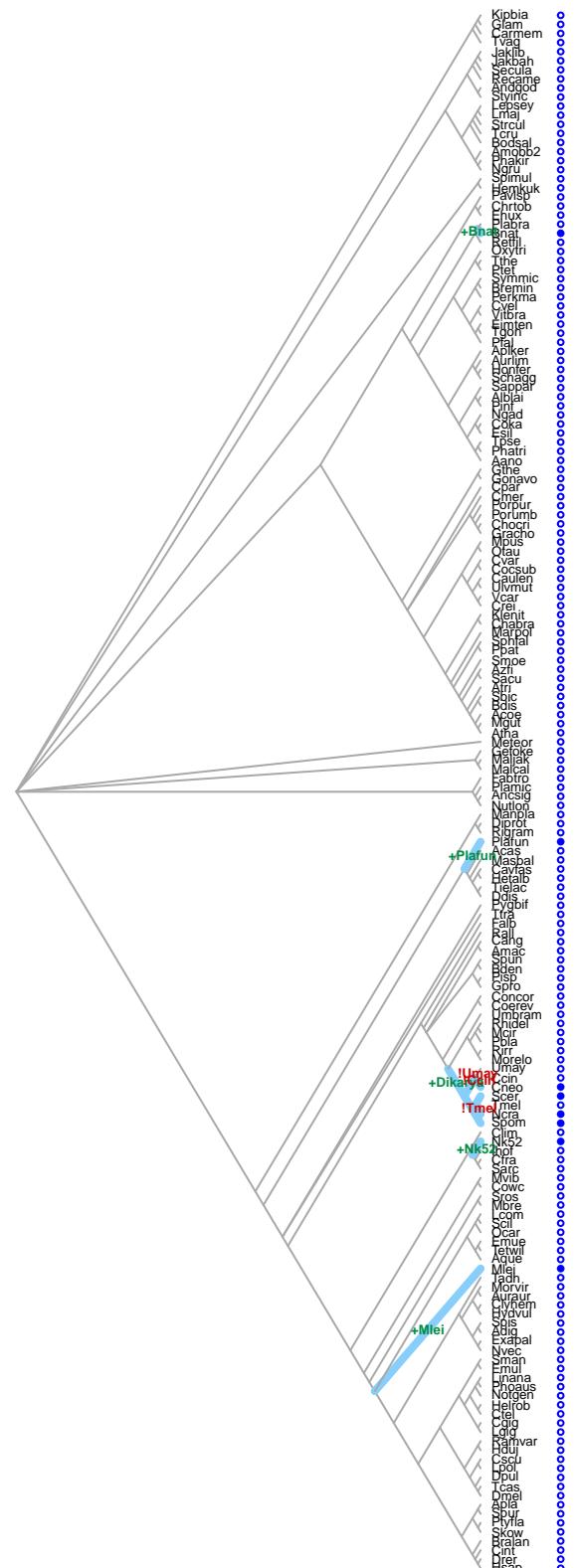










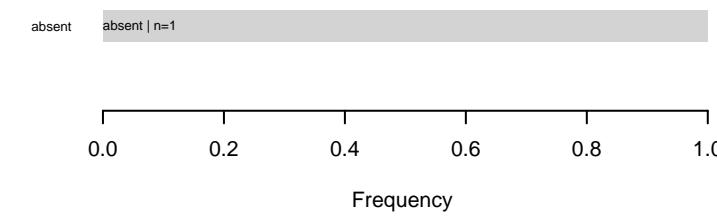
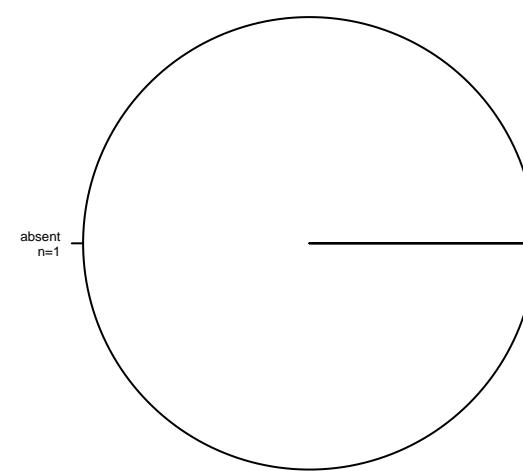


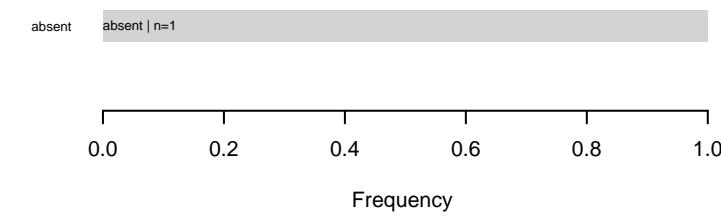
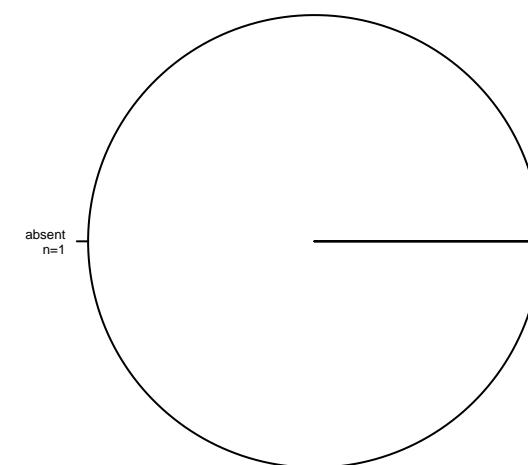
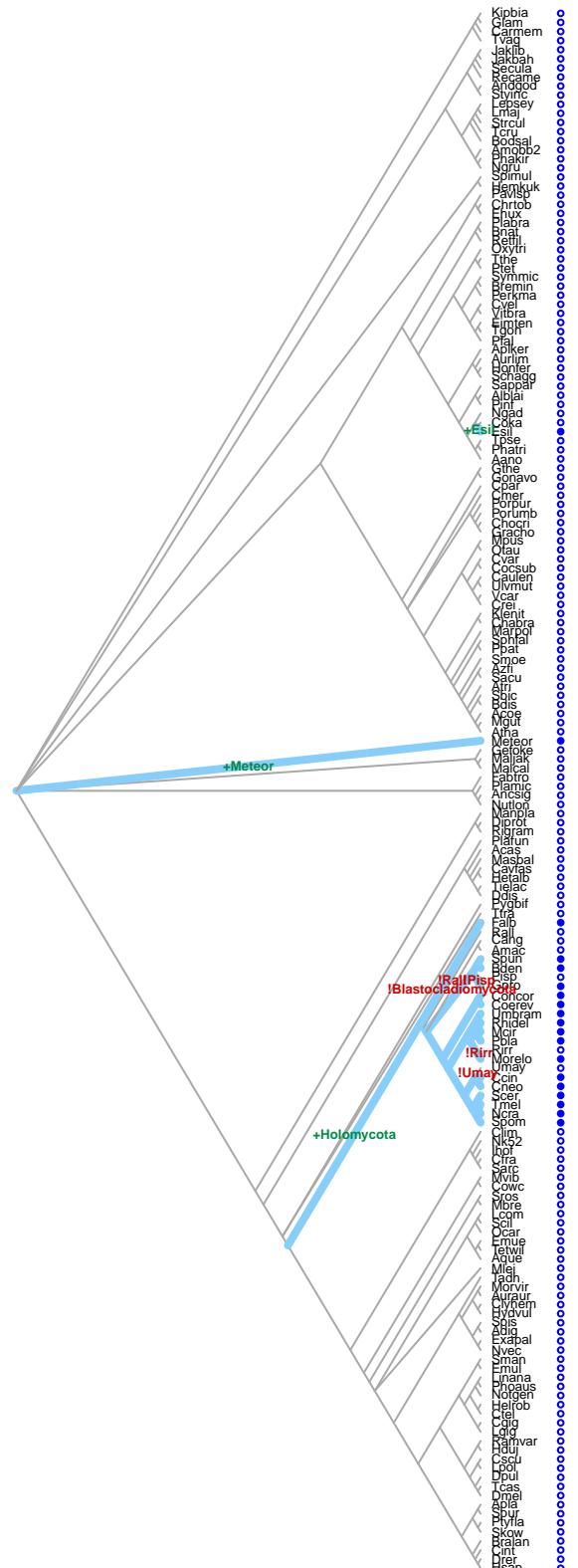
Gain: Mlei,Nk52,Dikarya,Plafun,Bnat,NA

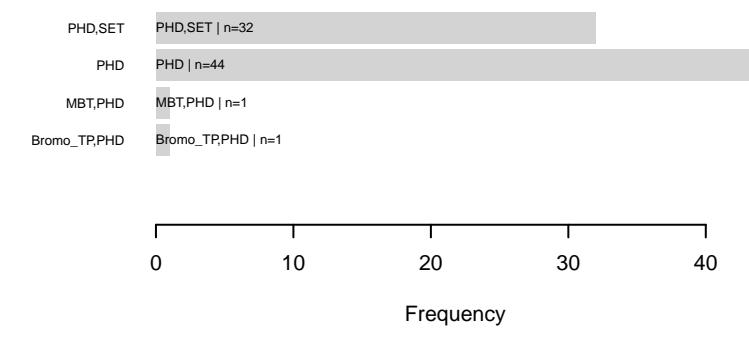
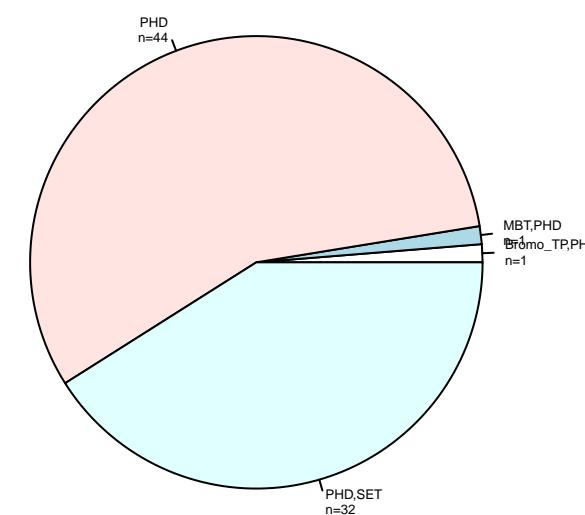
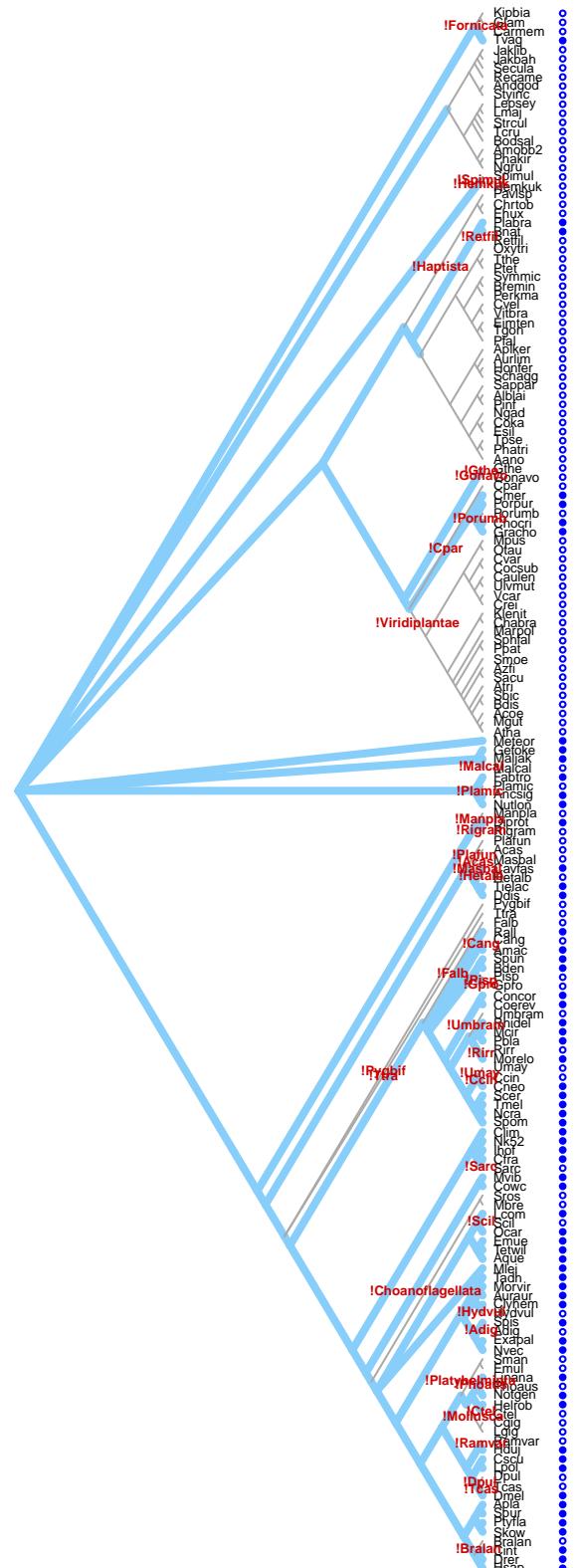
Presence Eukaryota prob = 0.04

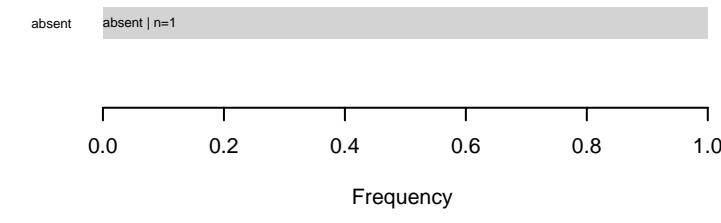
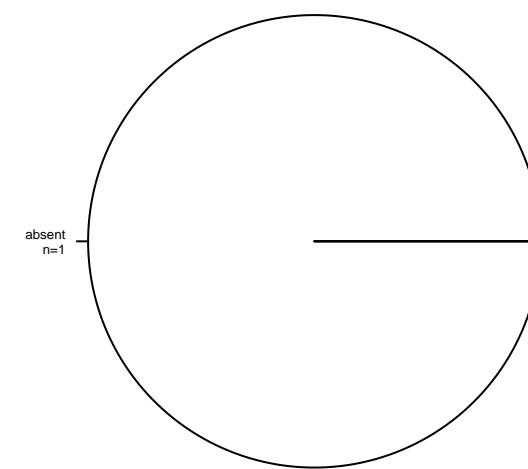
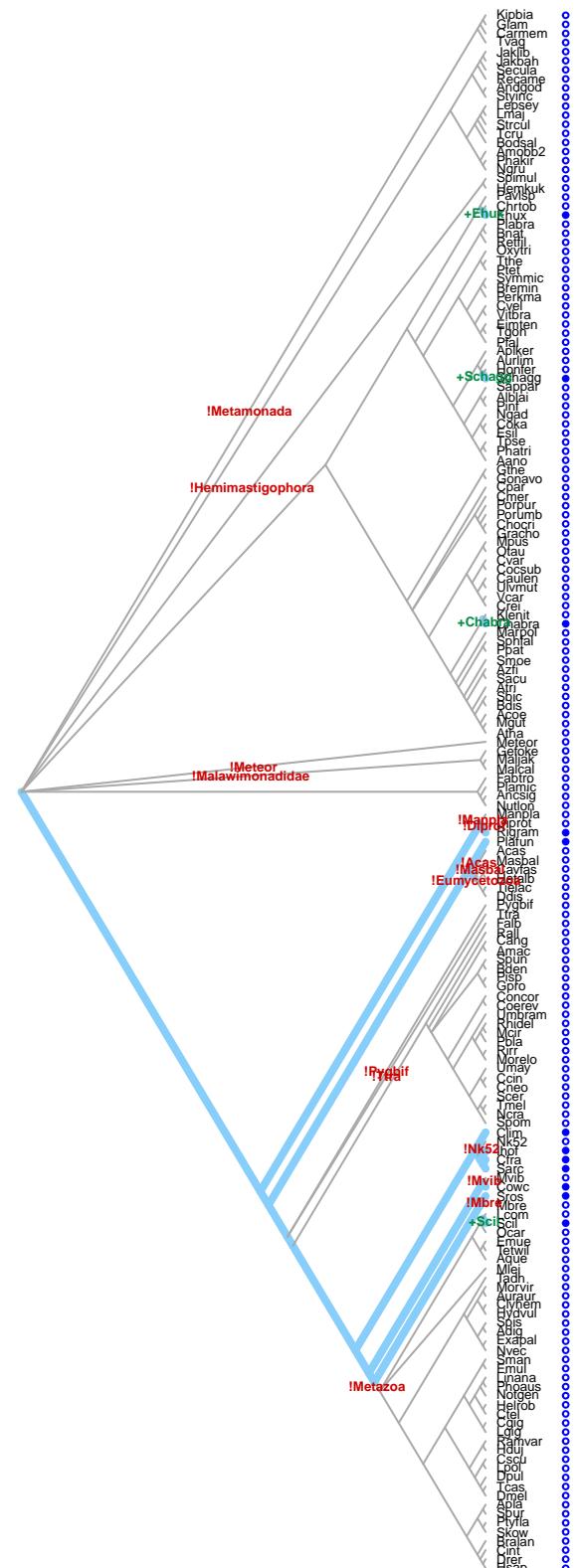
Present: 8

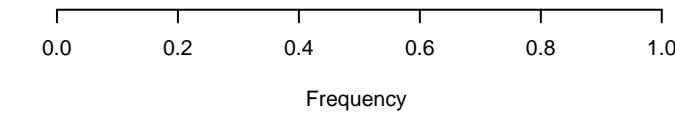
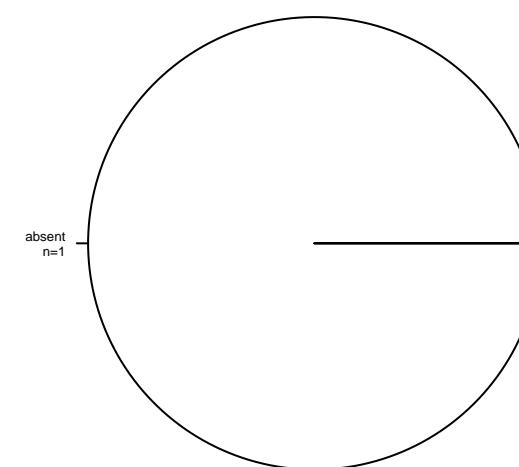
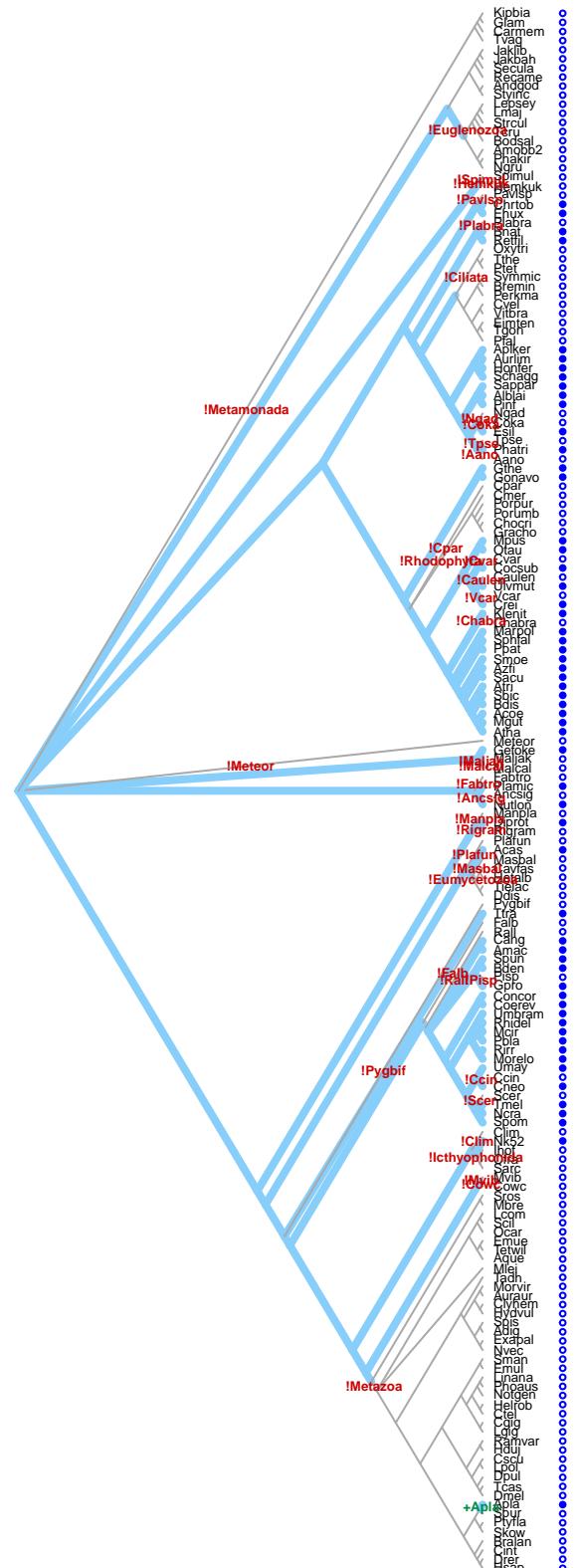
Losses: NA



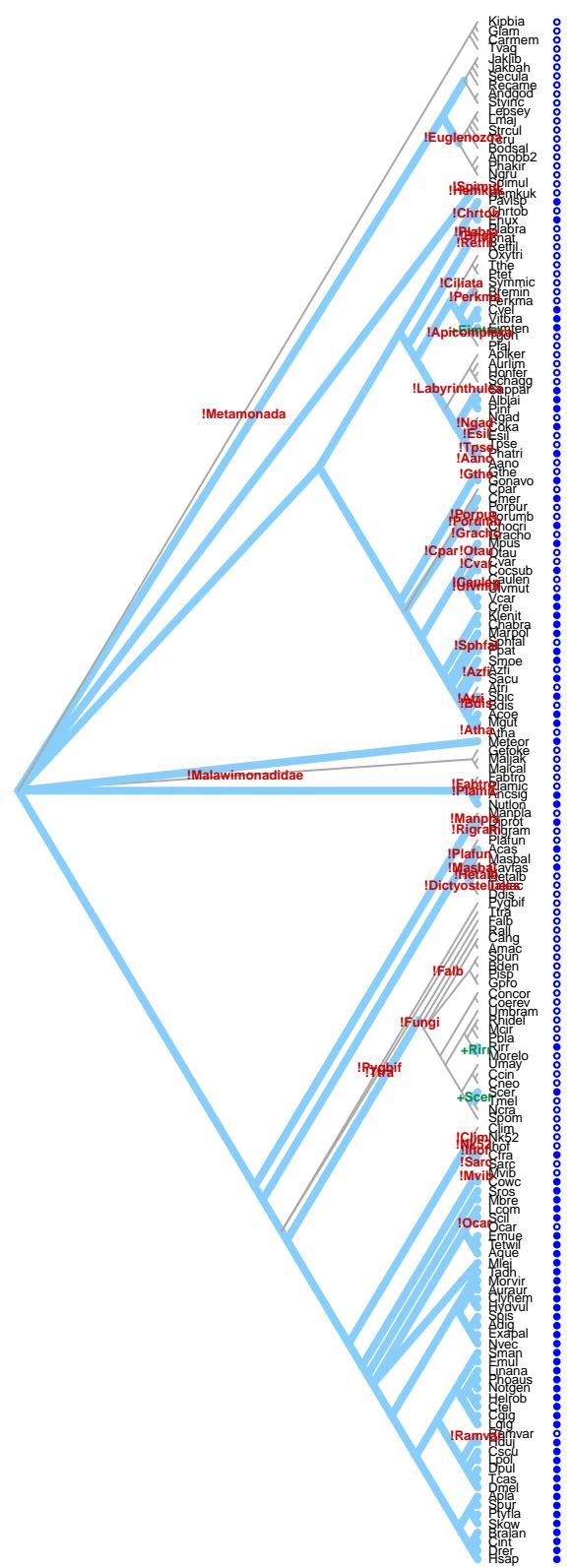








PHD.HG8.2
KDM4A/KDM4B/KDM4C/KDM5A/KDM5B/KDM5C/KDM5D

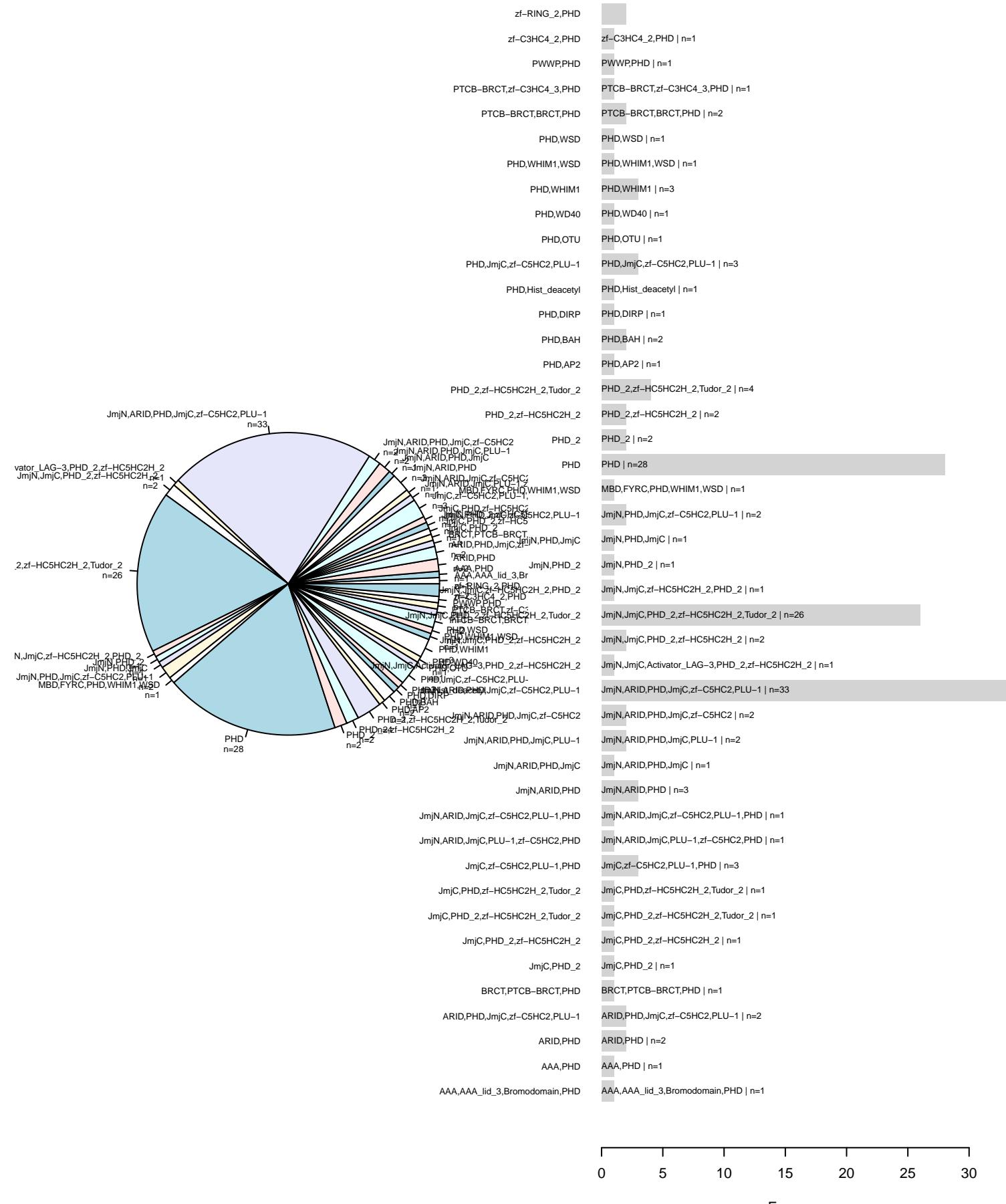


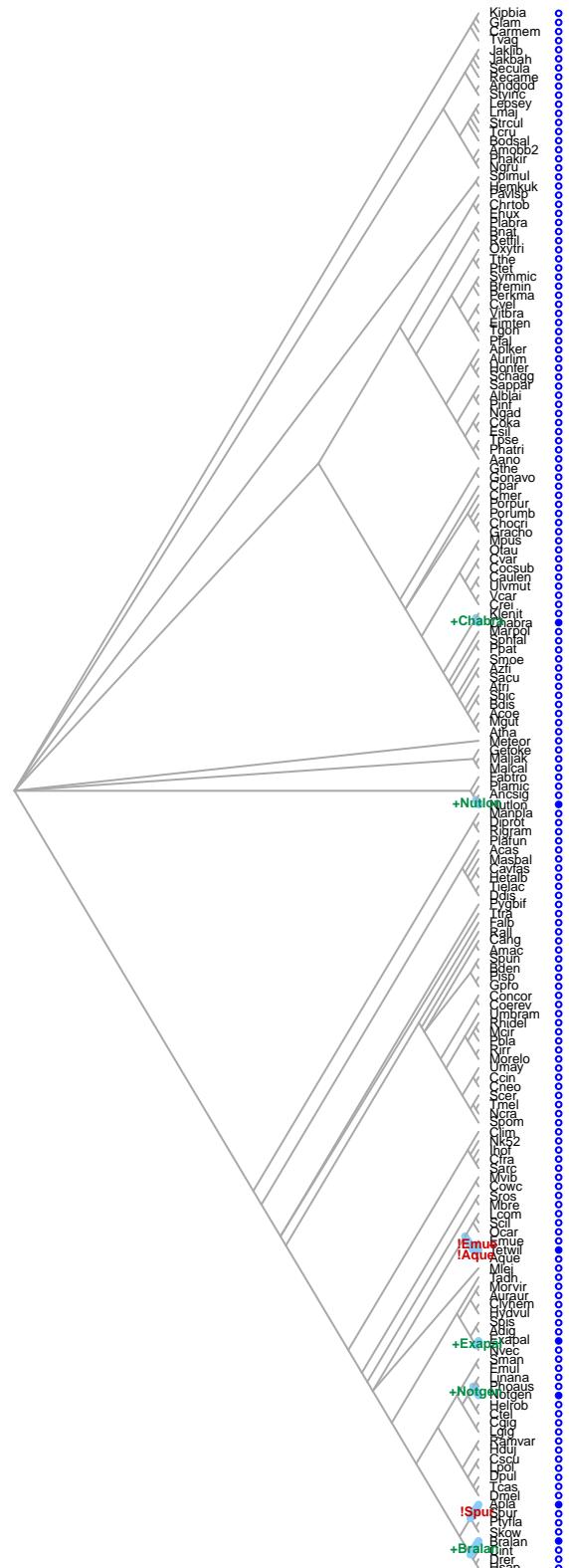
Gain: Scer,Rirr,Eimten,NA

Presence Eukaryota prob = 1.00

Present: 76

Losses: NA



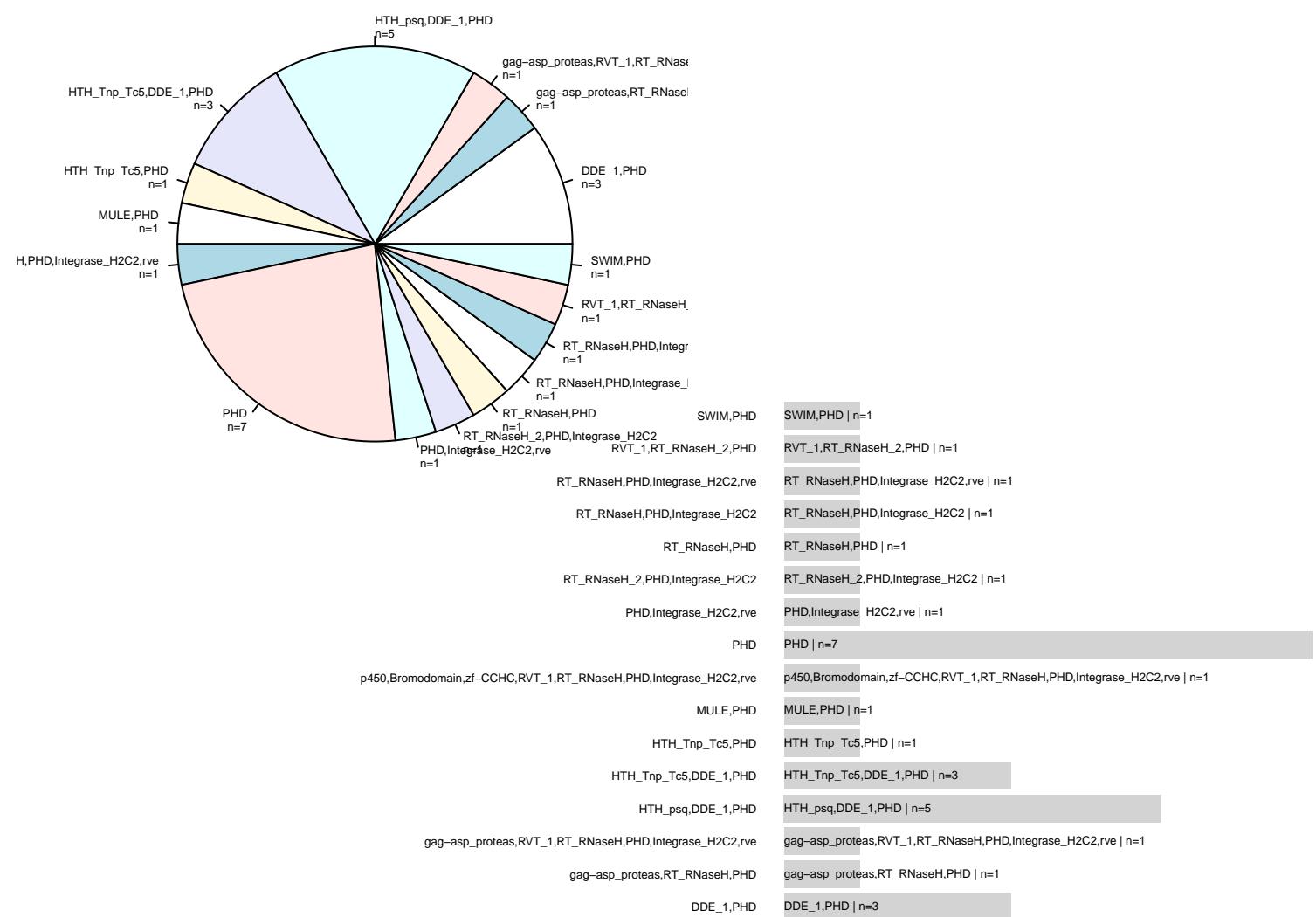


Gain: Bralan,Notgen,Exapal,Nution,Chabra,NA

Presence Eukaryota prob = 0.01

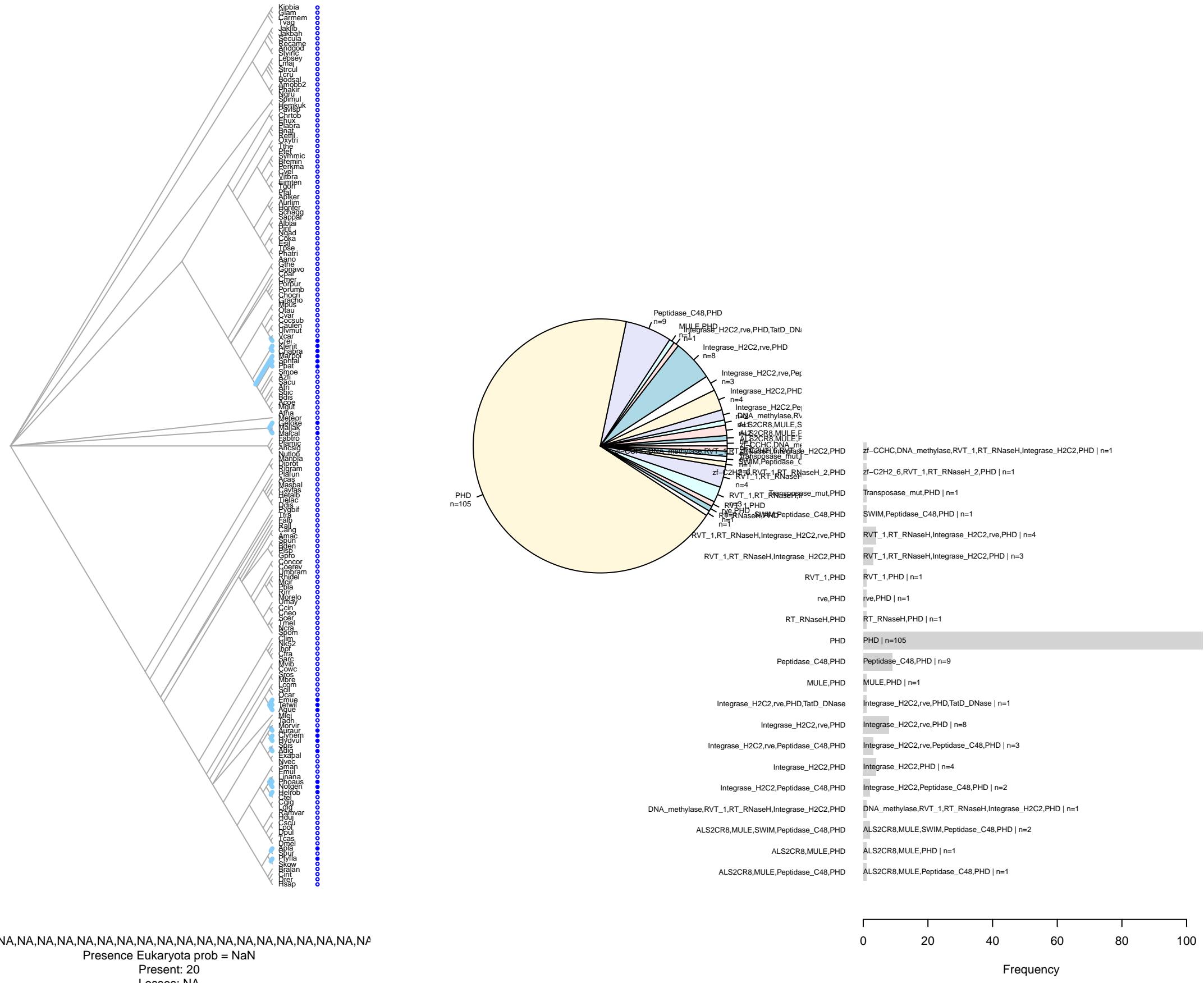
Present: 7

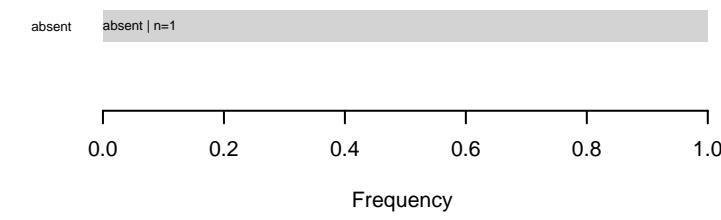
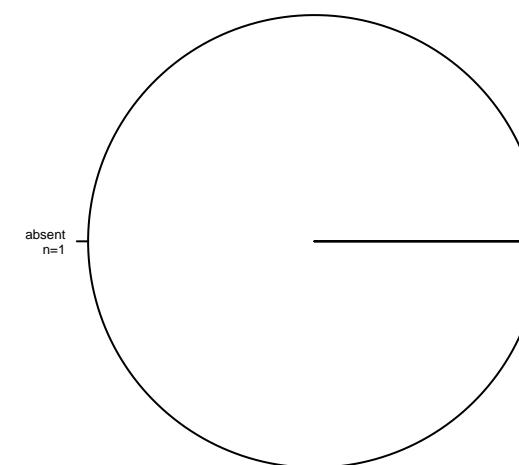
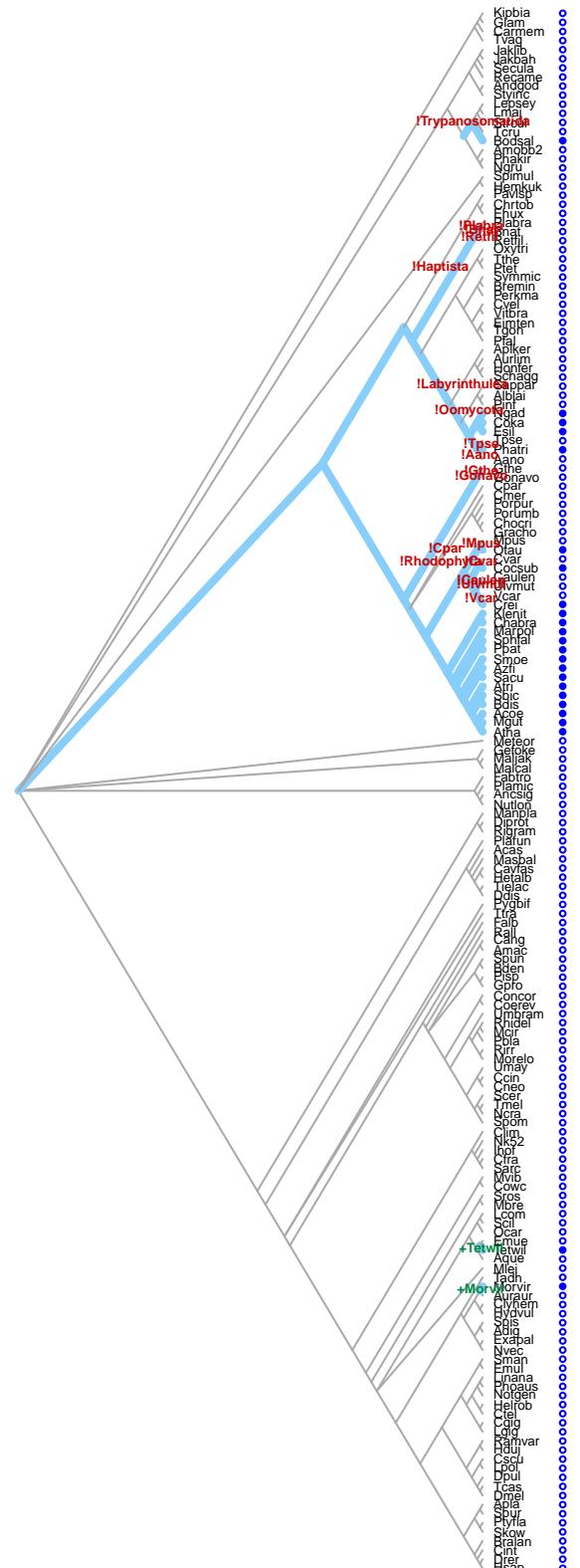
Losses: NA

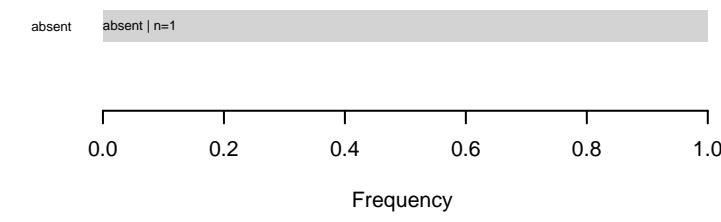
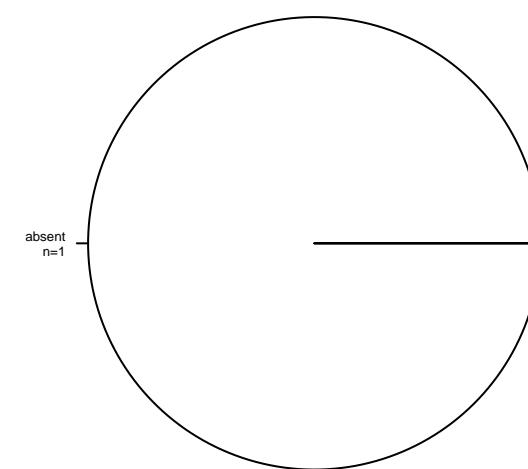
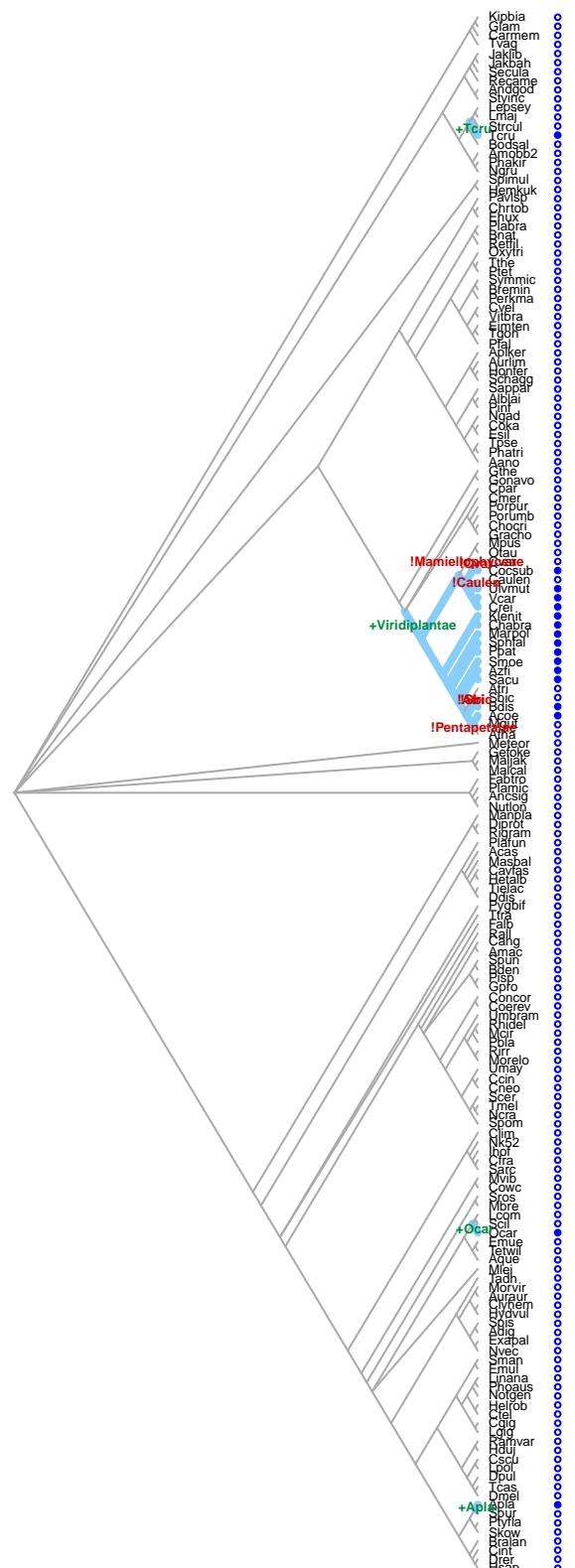


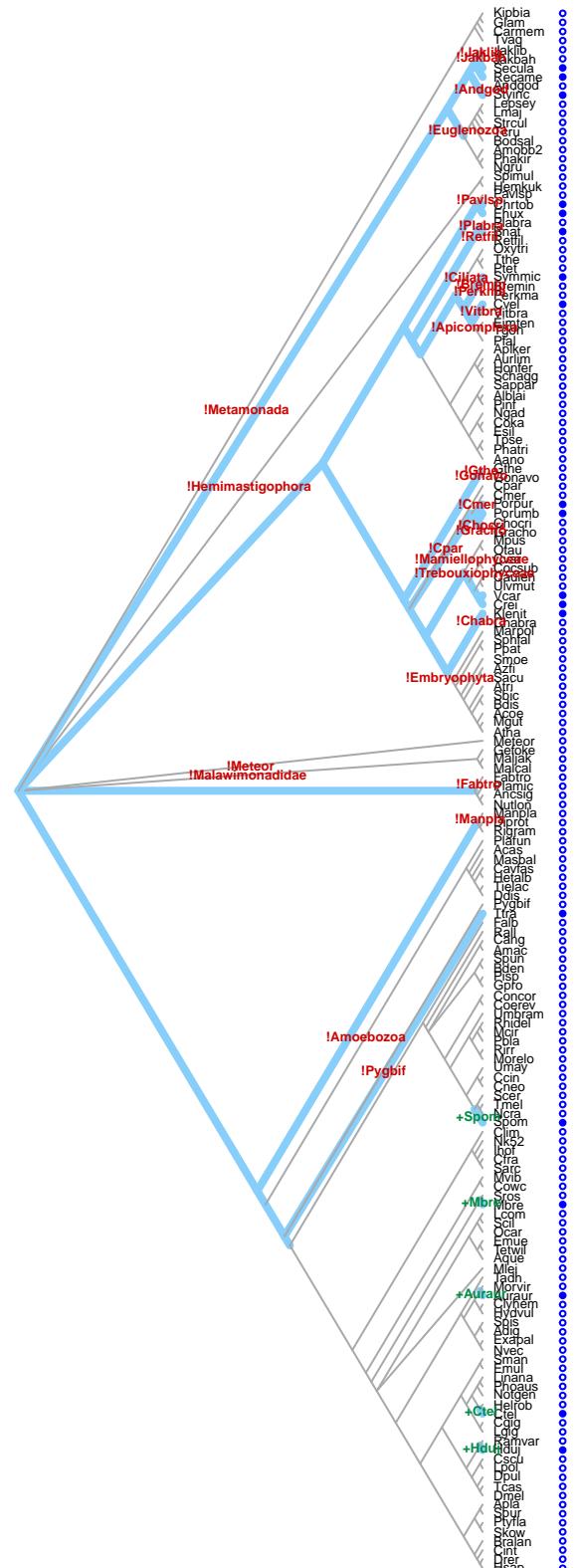
0 1 2 3 4 5 6 7

Frequency







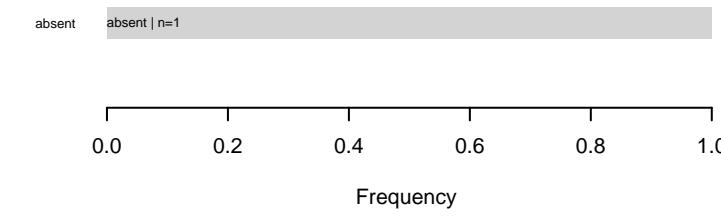
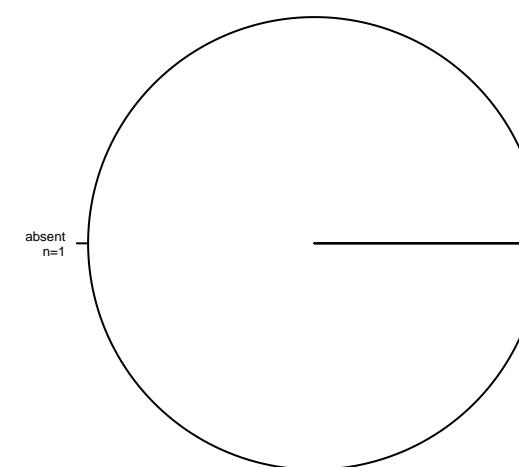


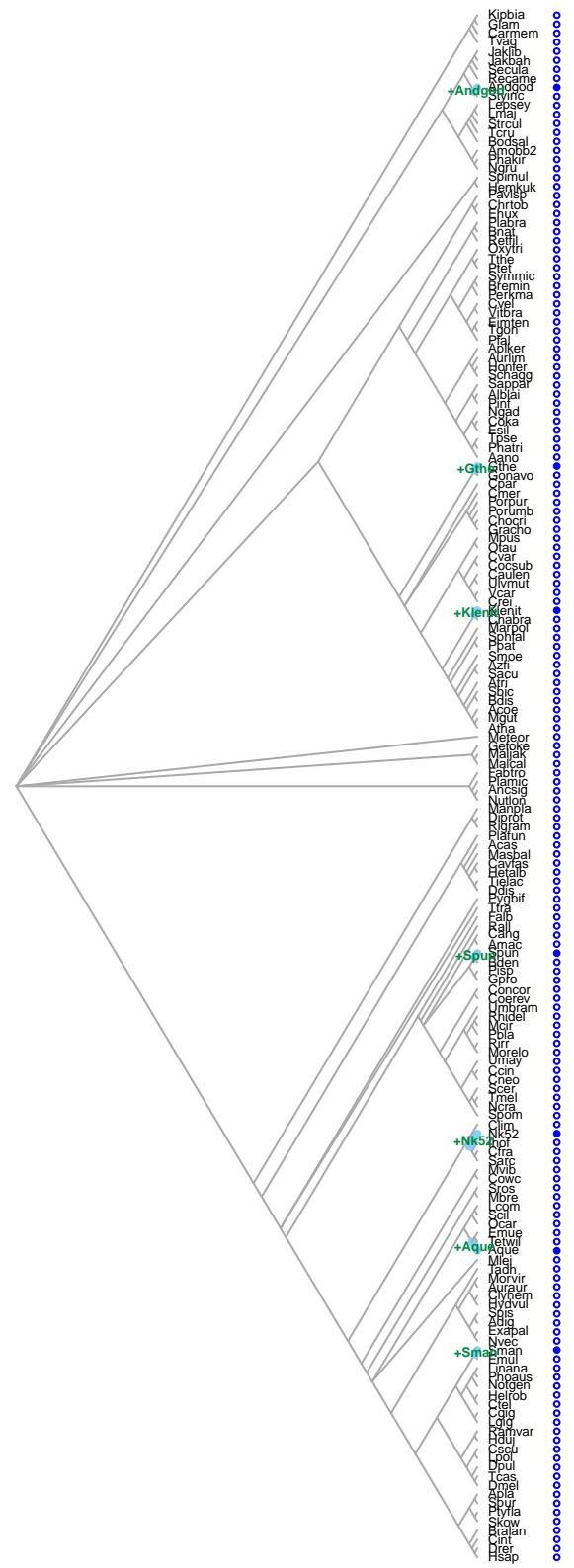
Gain: Hduj, Cte, Aurora, Mbre, Spom, NA

Presence Eukaryota prob = 1.00

Present: 19

Losses: NA



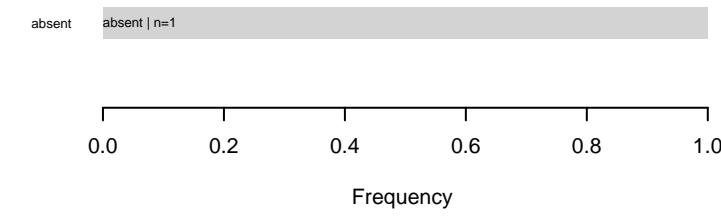
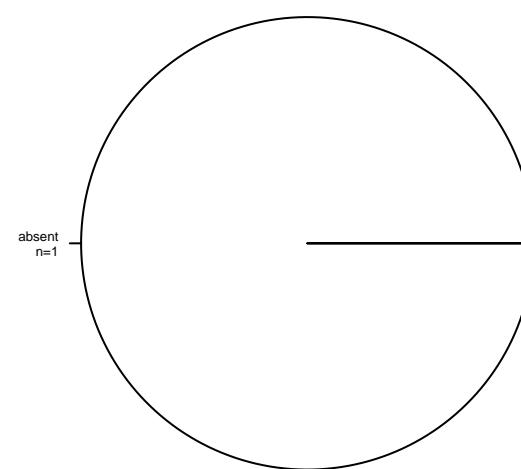


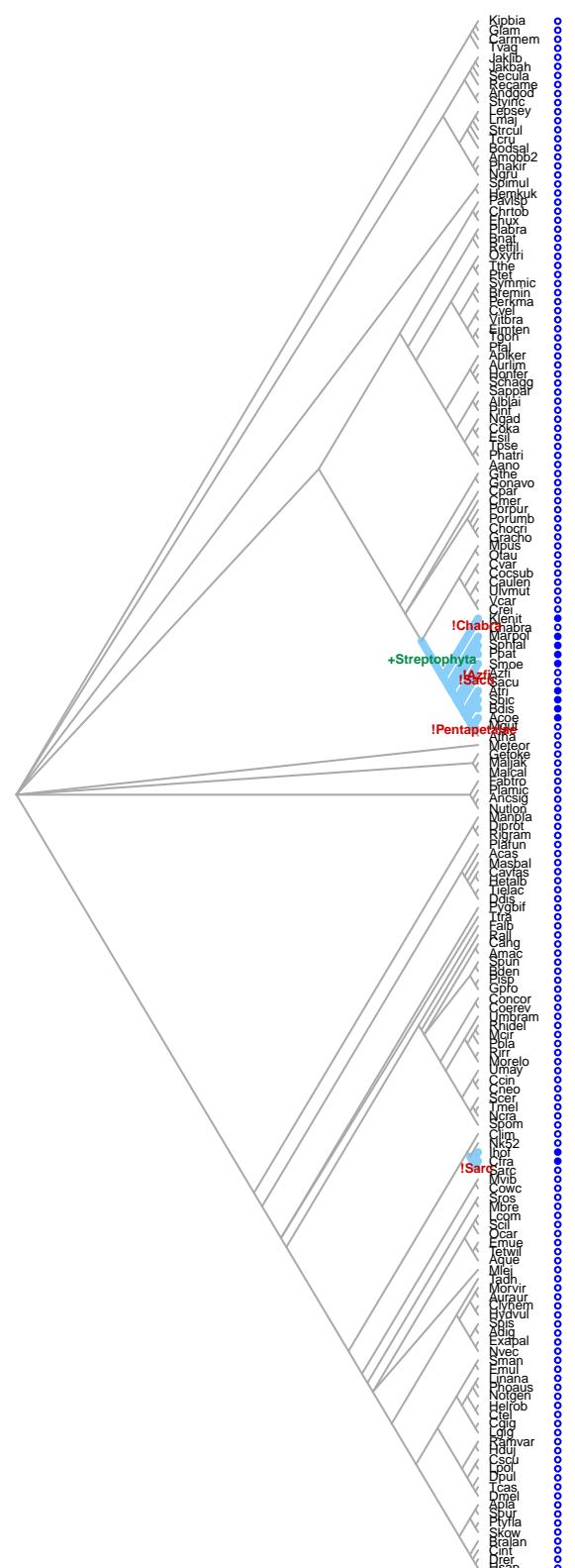
Gain: Sman,Aque,Nk52,Spun,Klenit,Gthe,Andgod,NA

Presence Eukaryota prob = 0.07

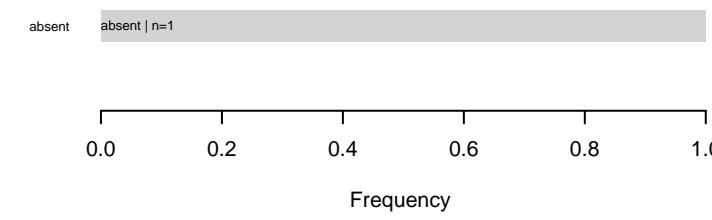
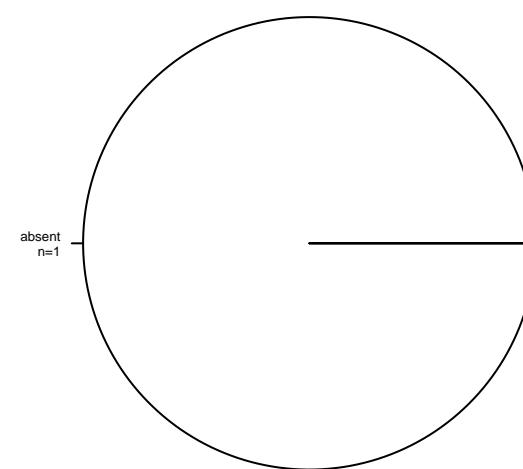
Present: 7

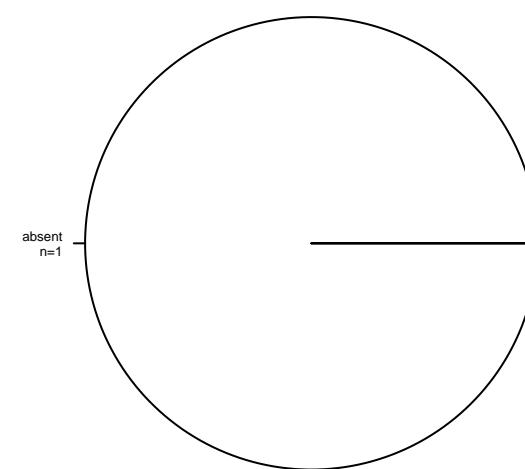
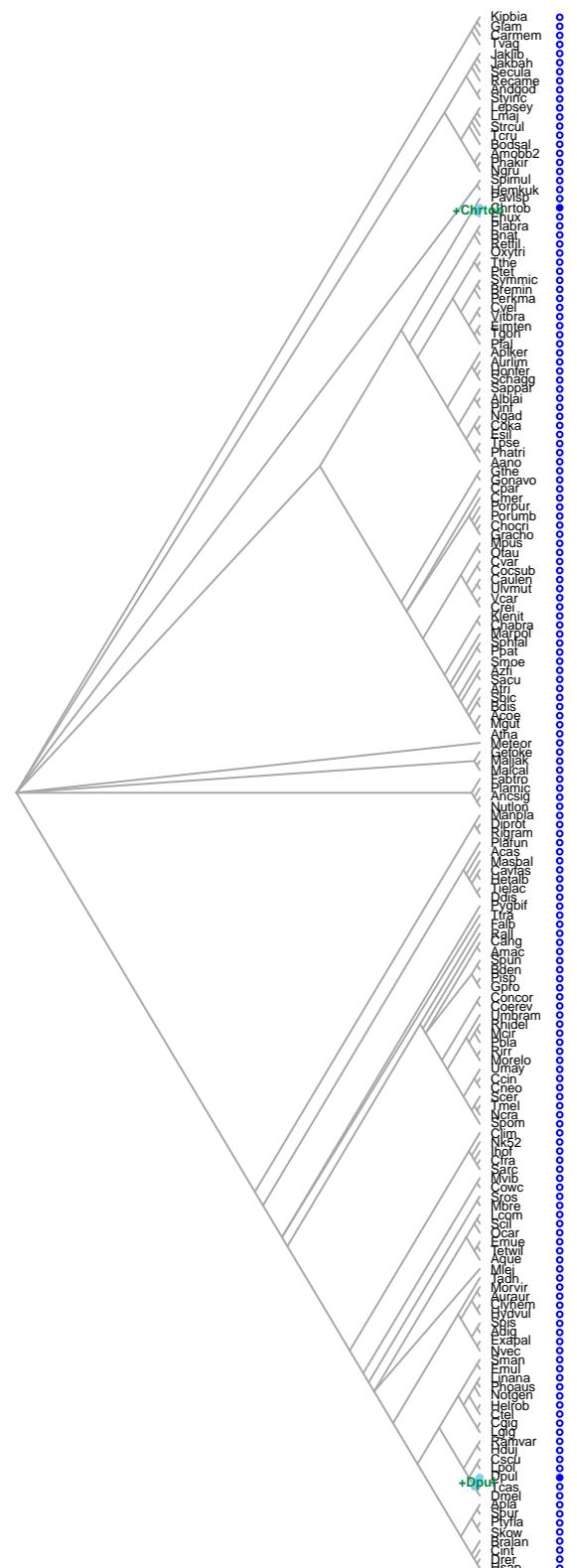
Losses: NA





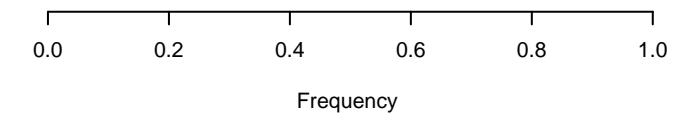
Gain: Streptophyt,NA
Presence Eukaryota prob = 0.01
Present: 11
Losses: NA

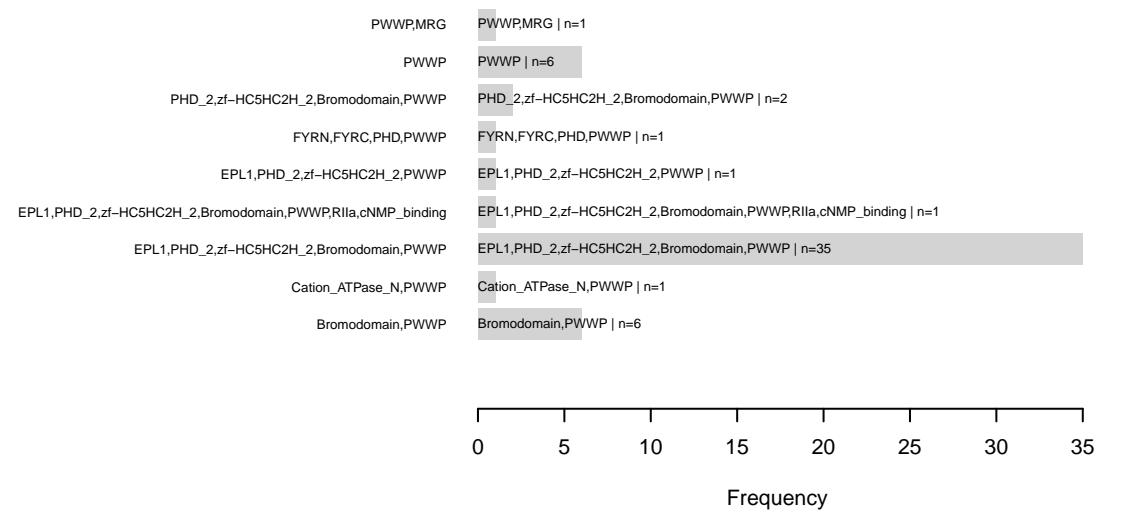
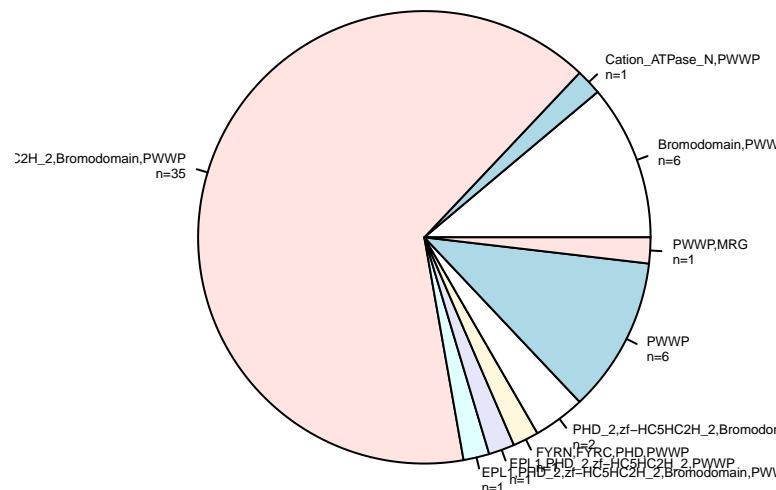
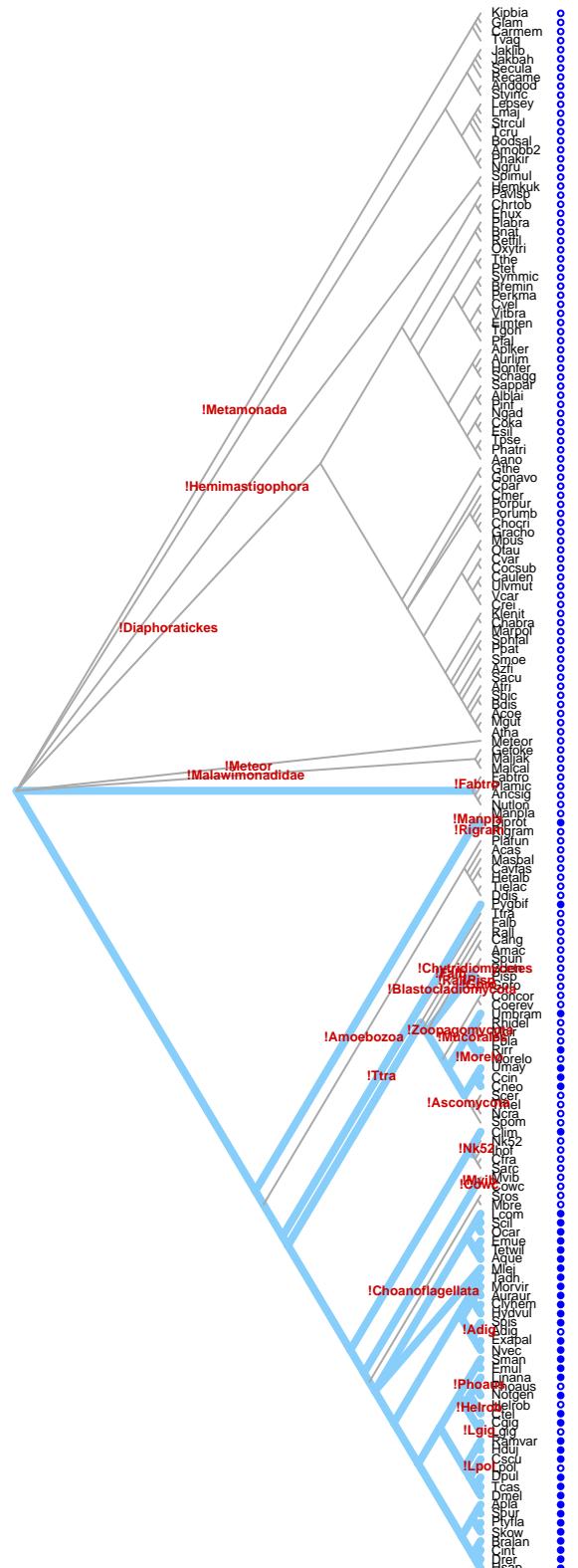


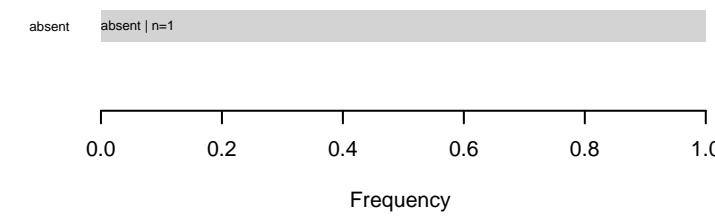
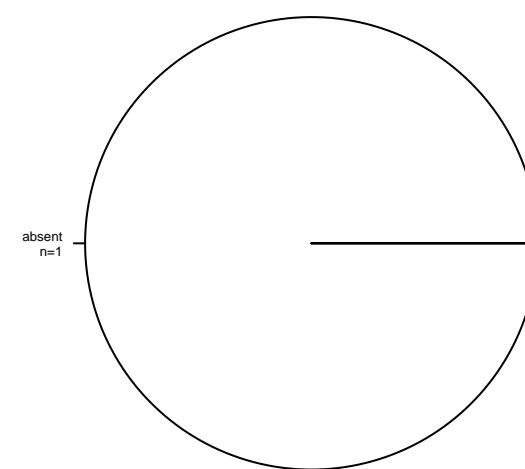
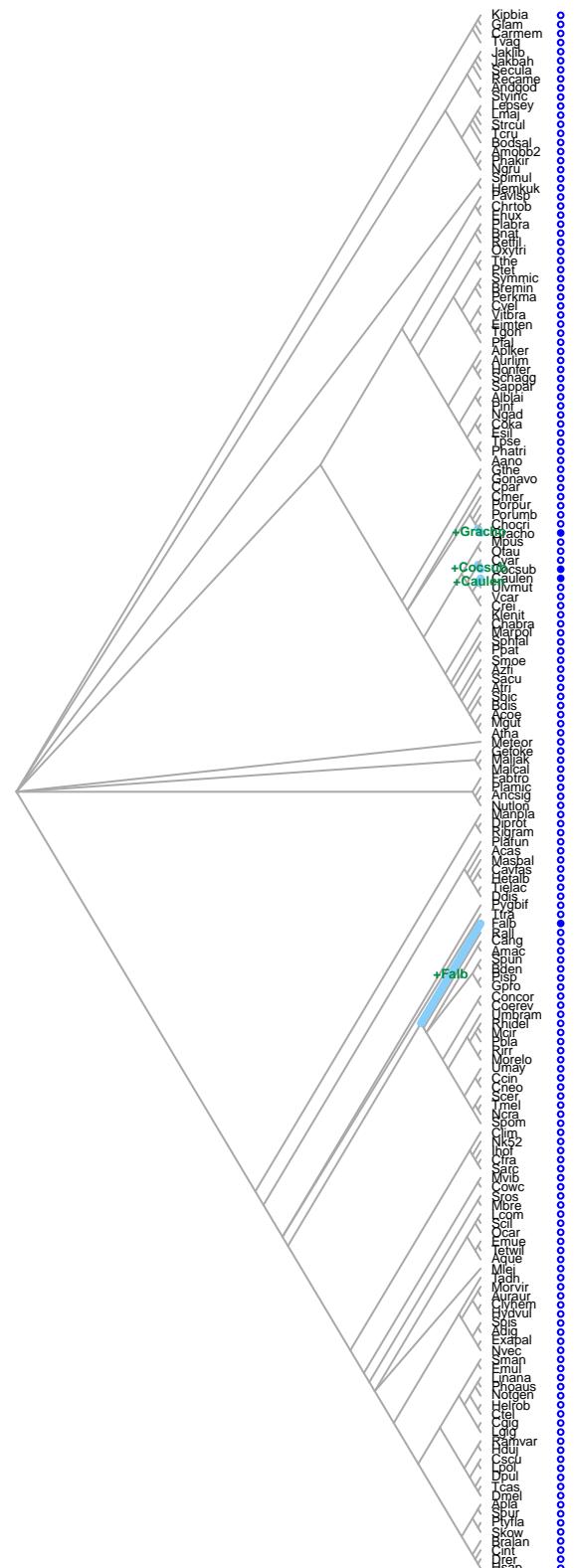


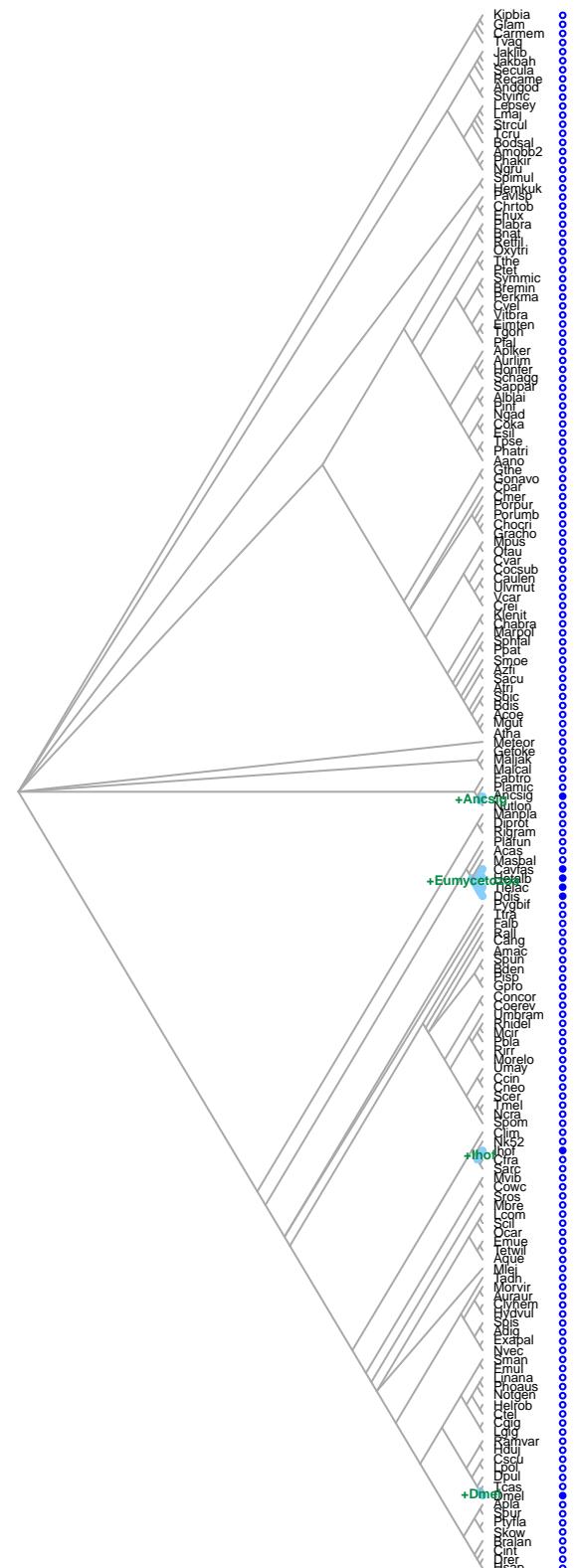
absent absent | n=1

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







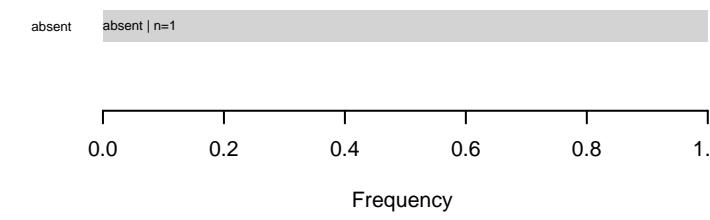
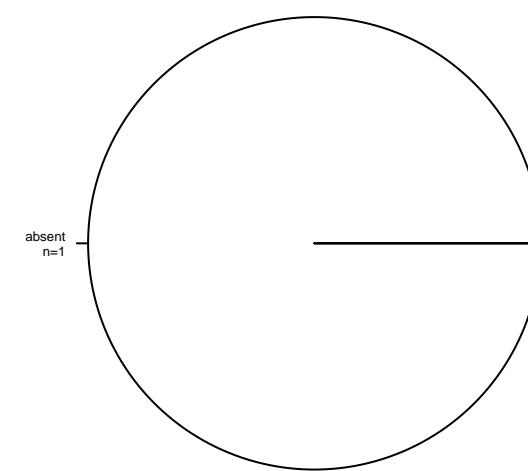


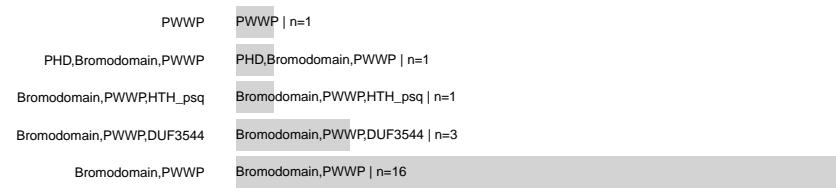
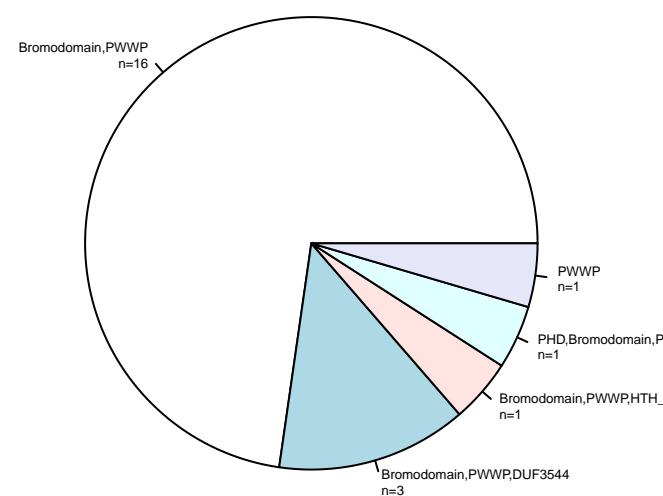
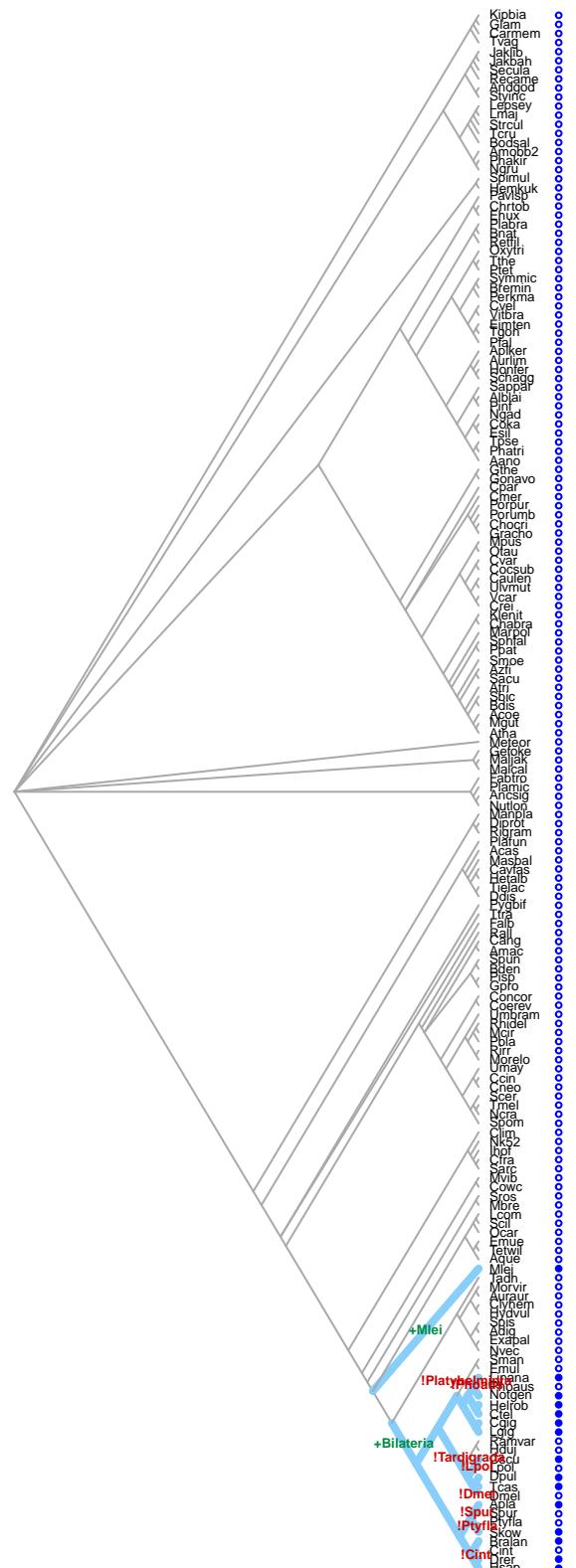
Gain: Dmel,Ihof,Eumycetozoa,Ancsig,NA

Presence Eukaryota prob = 0.01

Present: 7

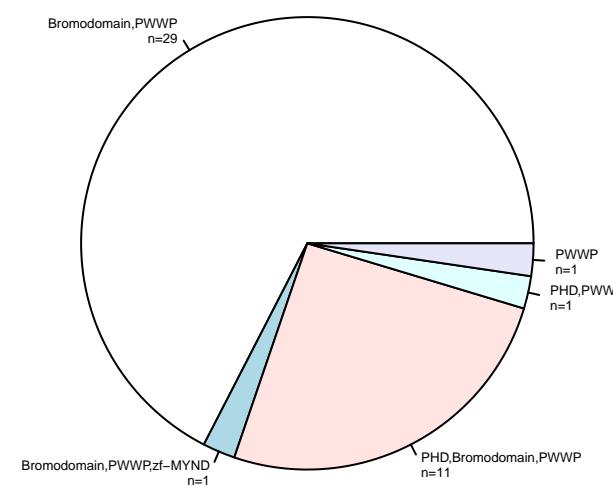
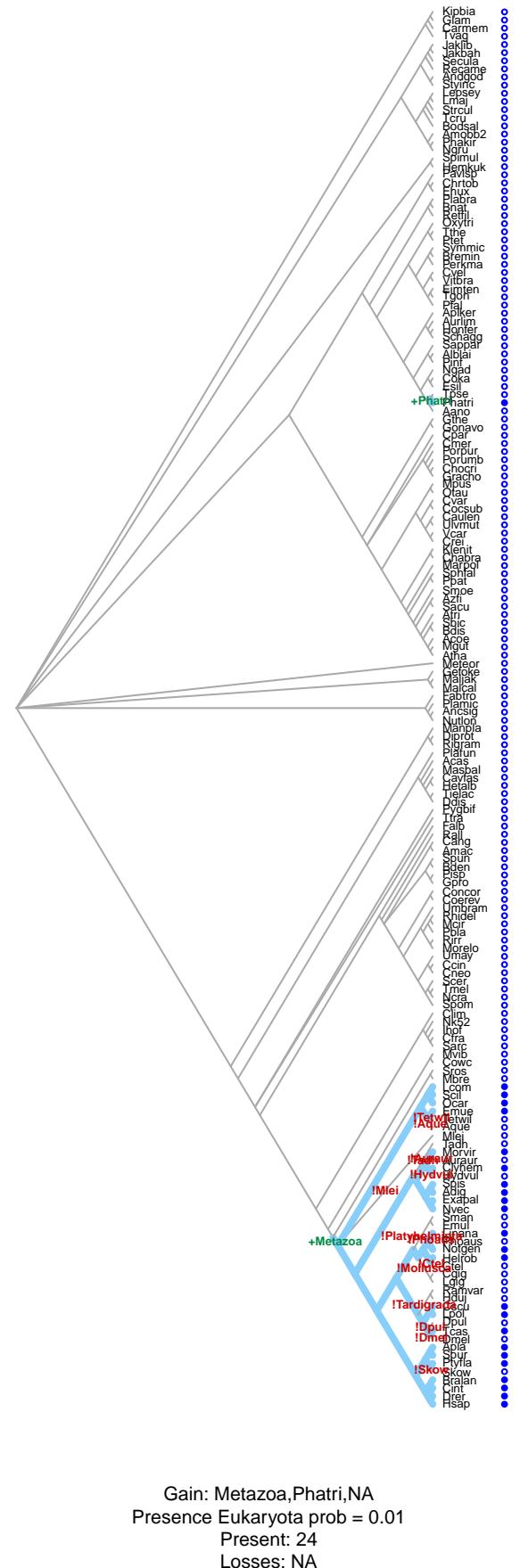
Losses: NA





0 5 10 15

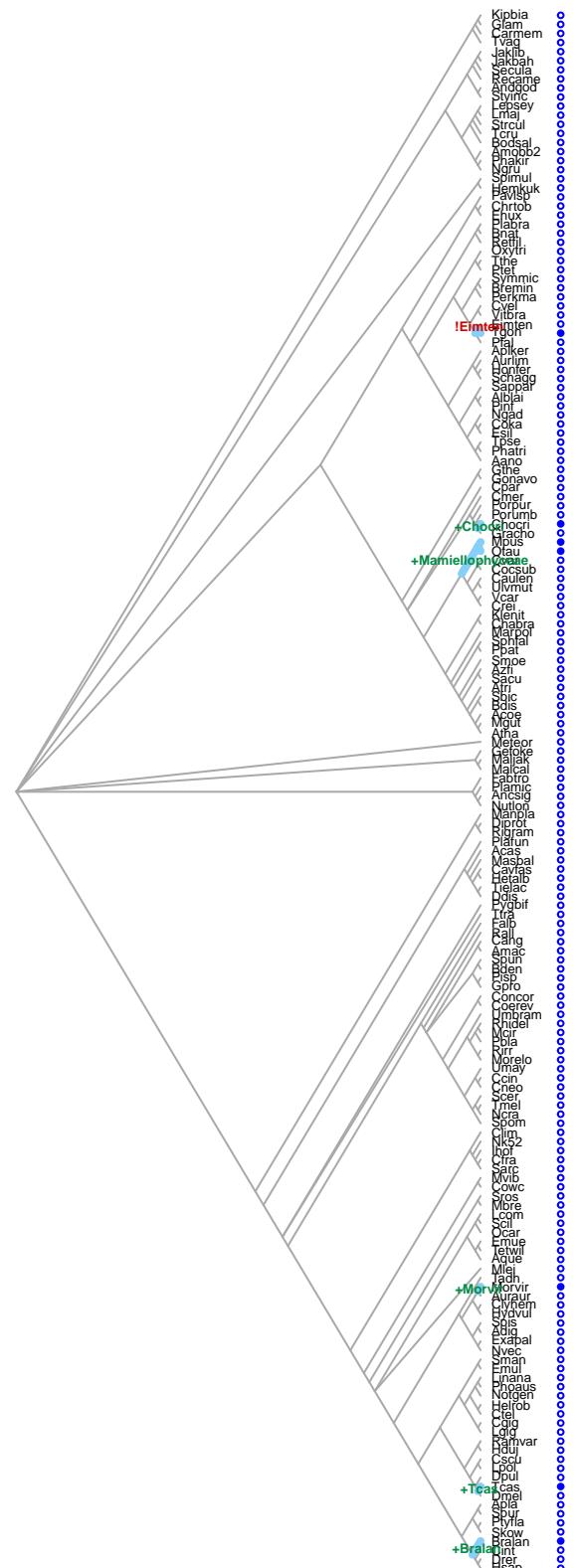
Frequency



PWWP	PWWP n=1
PHD,PWWP	PHD,PWWP n=1
PHD,Bromodomain,PWWP	PHD,Bromodomain,PWWP n=11
Bromodomain,PWWP,zf-MYND	Bromodomain,PWWP,zf-MYND n=1
Bromodomain,PWWP	Bromodomain,PWWP n=29

2 5 10 15 20 25

Frequency

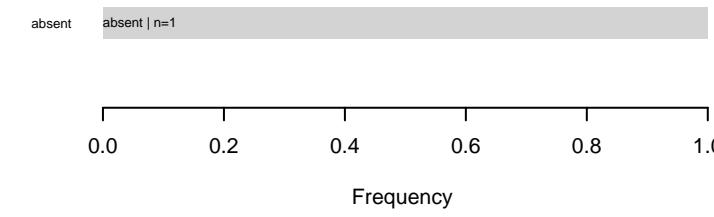
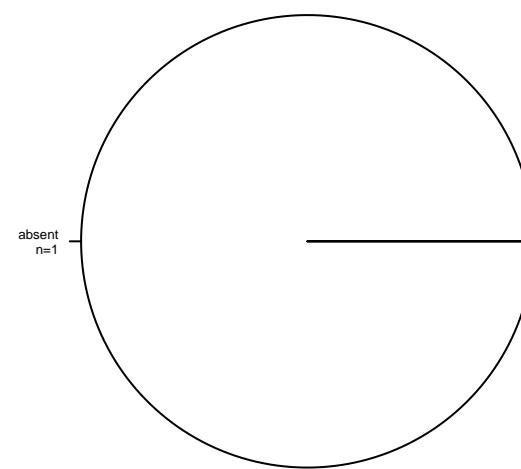


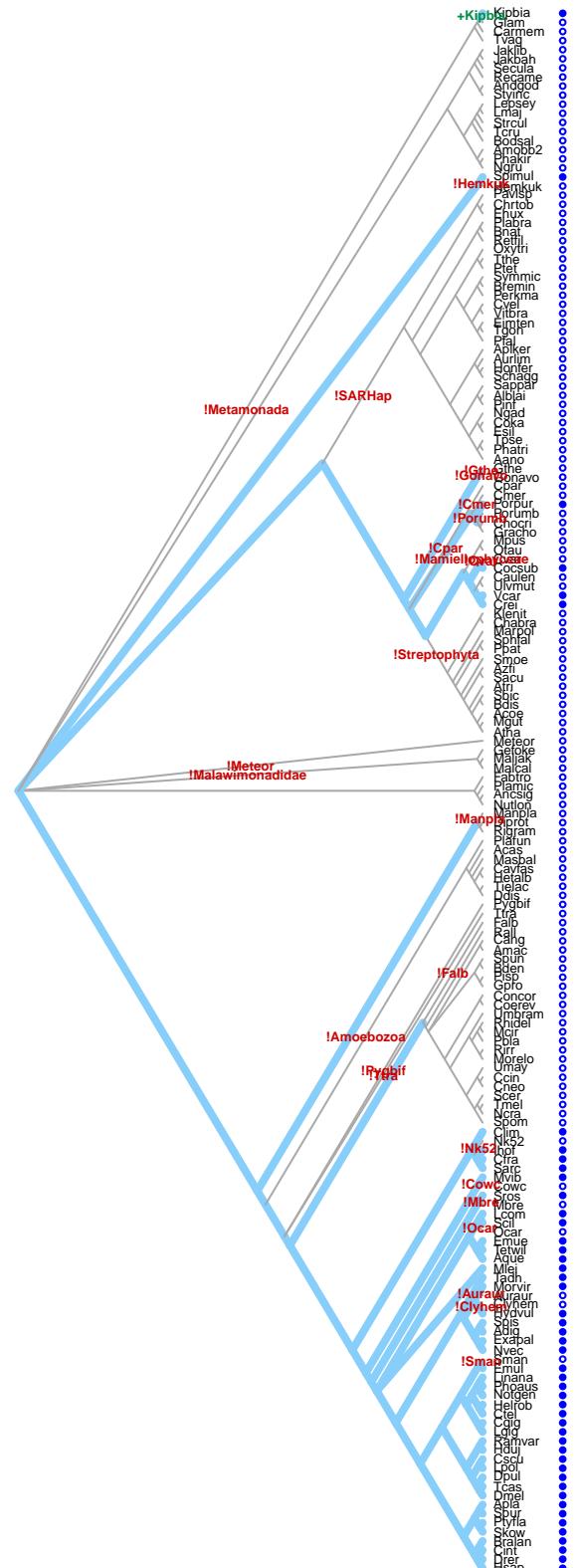
Gain: Bralan,Tcas,Morvir,Mamiellophyceae,Chocri,NA

Presence Eukaryota prob = 0.00

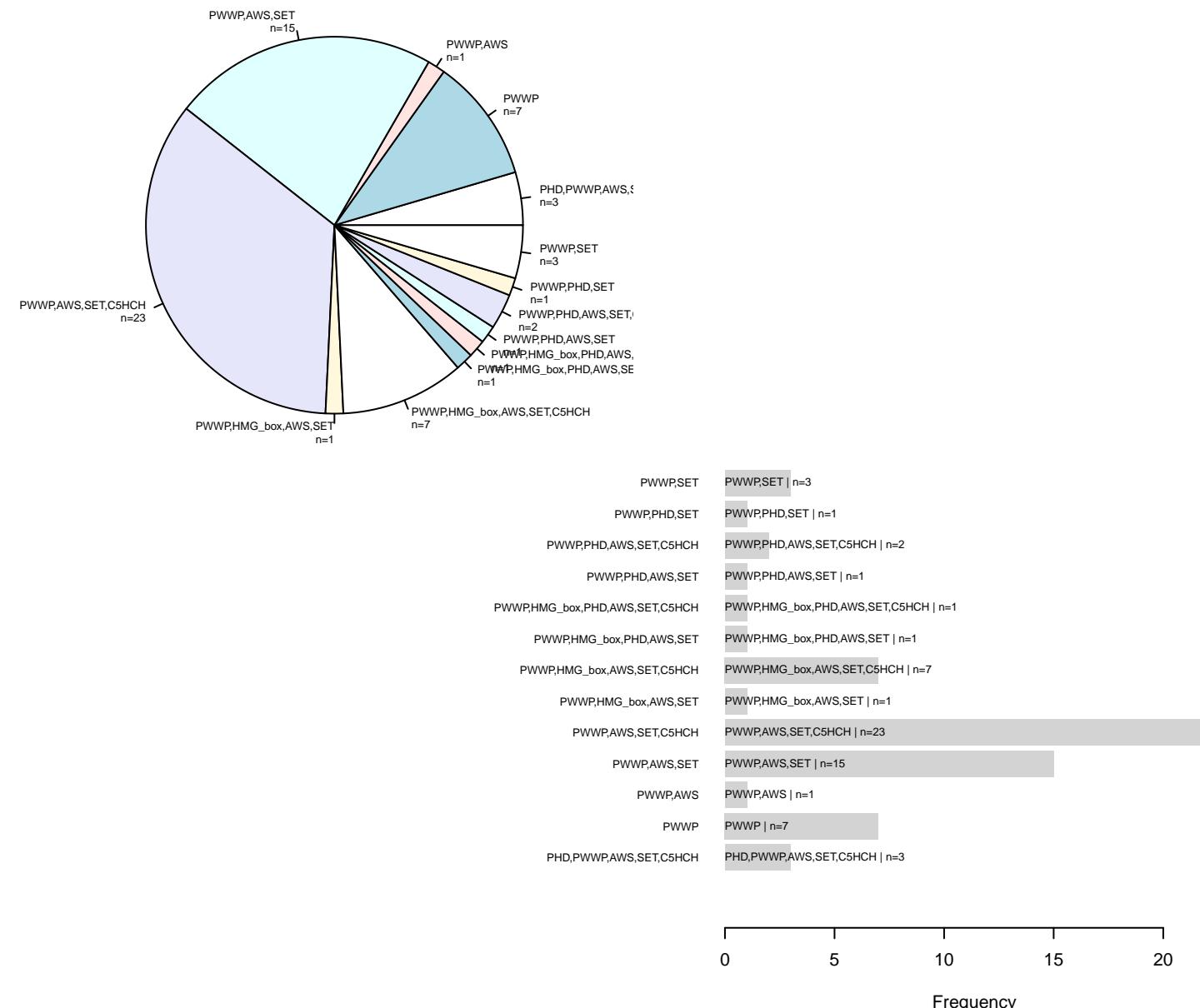
Present: 7

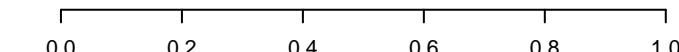
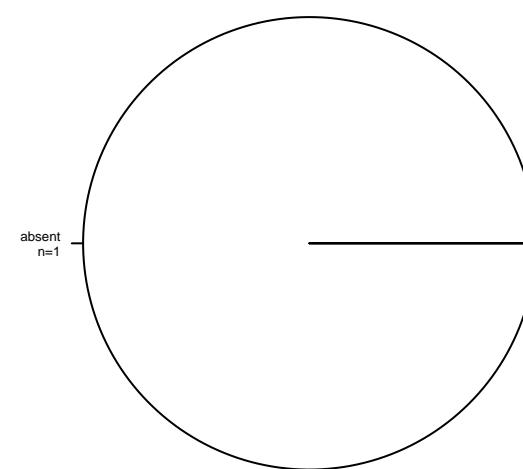
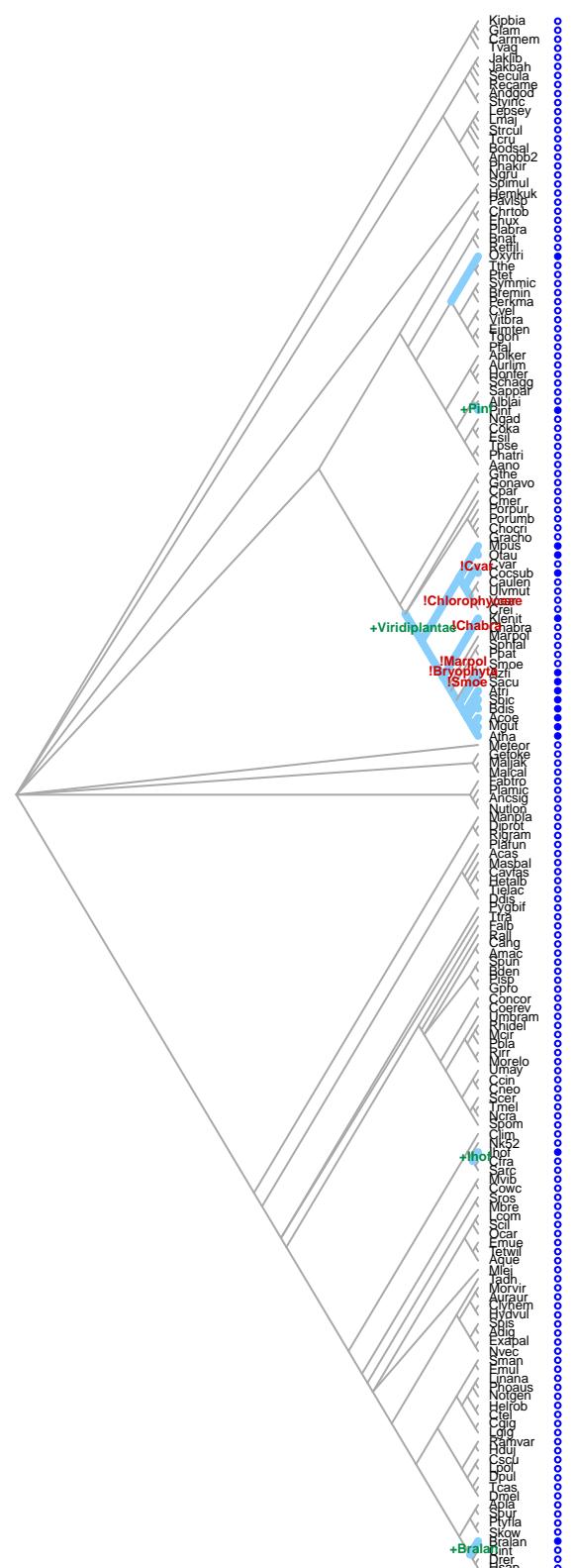
Losses: NA

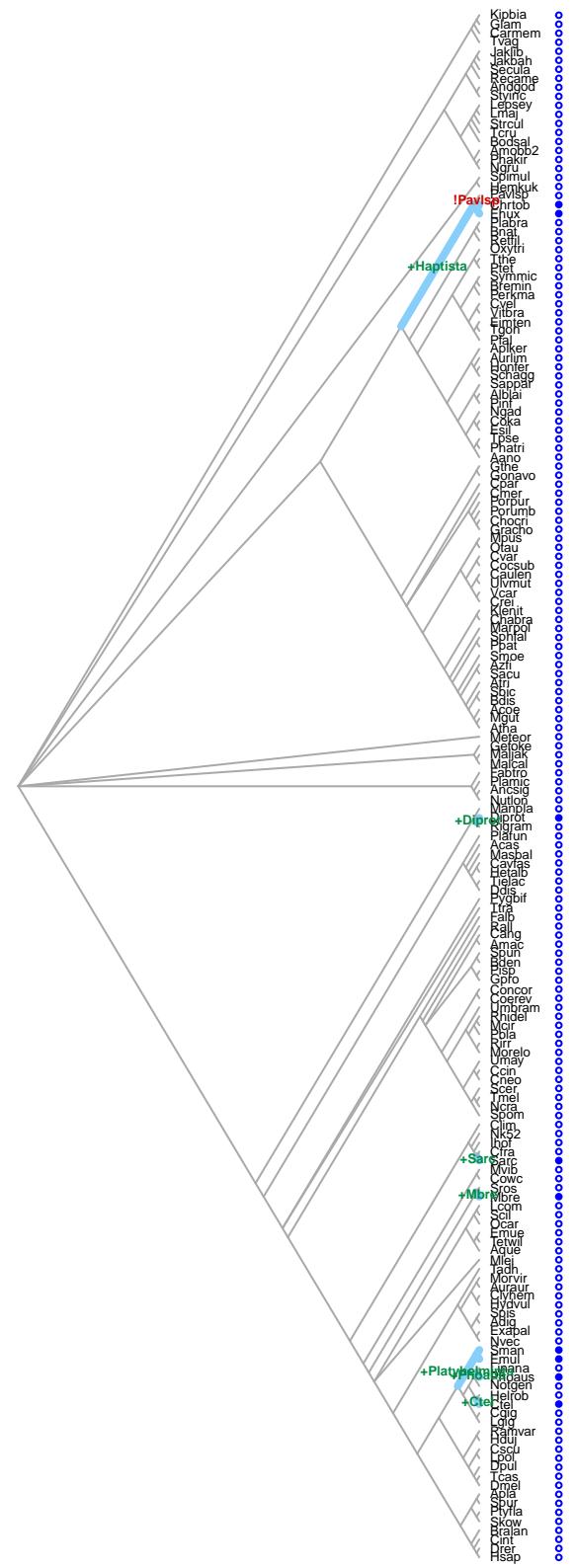




Gain: Kipbia,NA
Presence Eukaryota prob = 0.86
Present: 48
Losses: NA





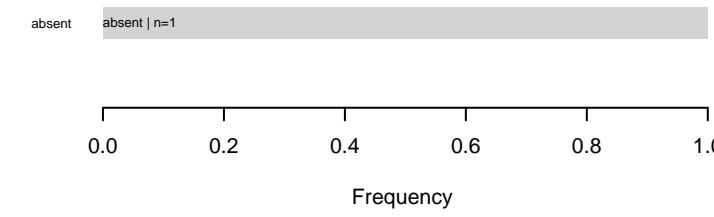
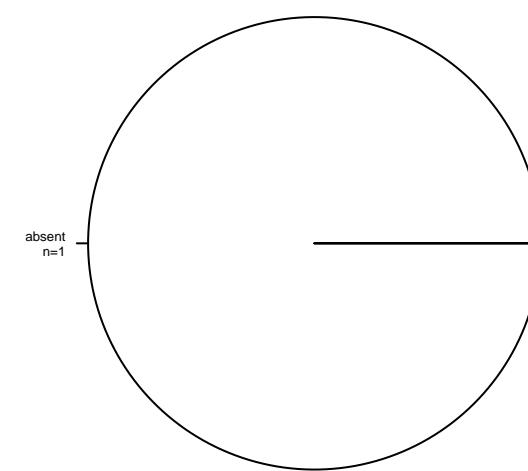


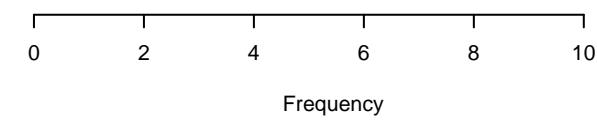
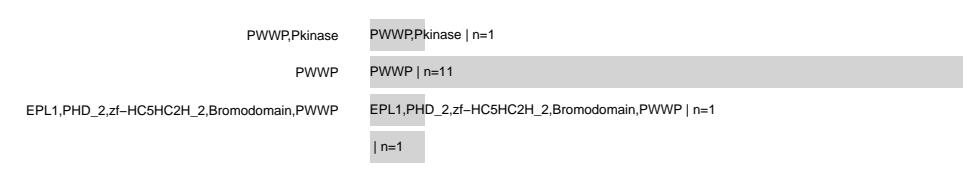
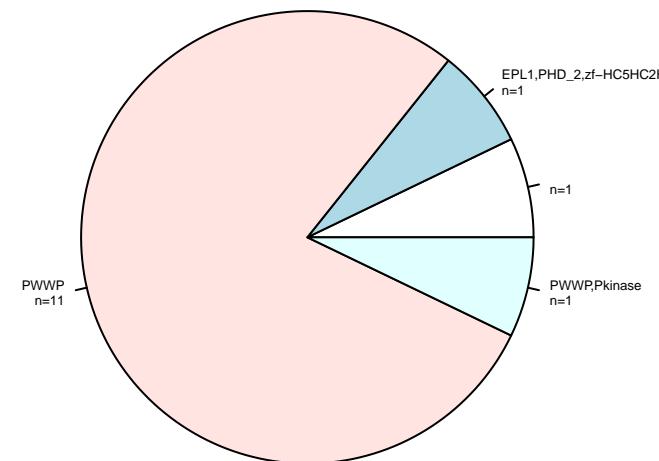
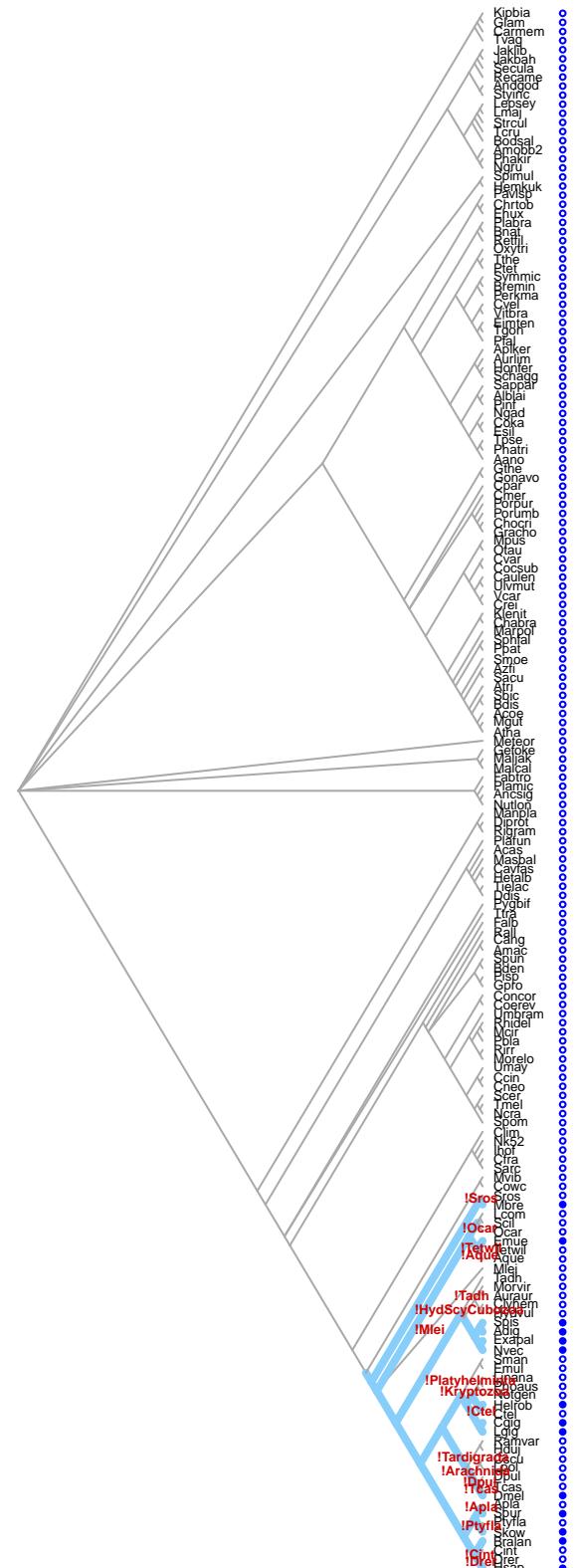
Gain: Ctel, Phoaus, Platyhelminta, Mbre, Sarc, Diprot, Haptista, NA

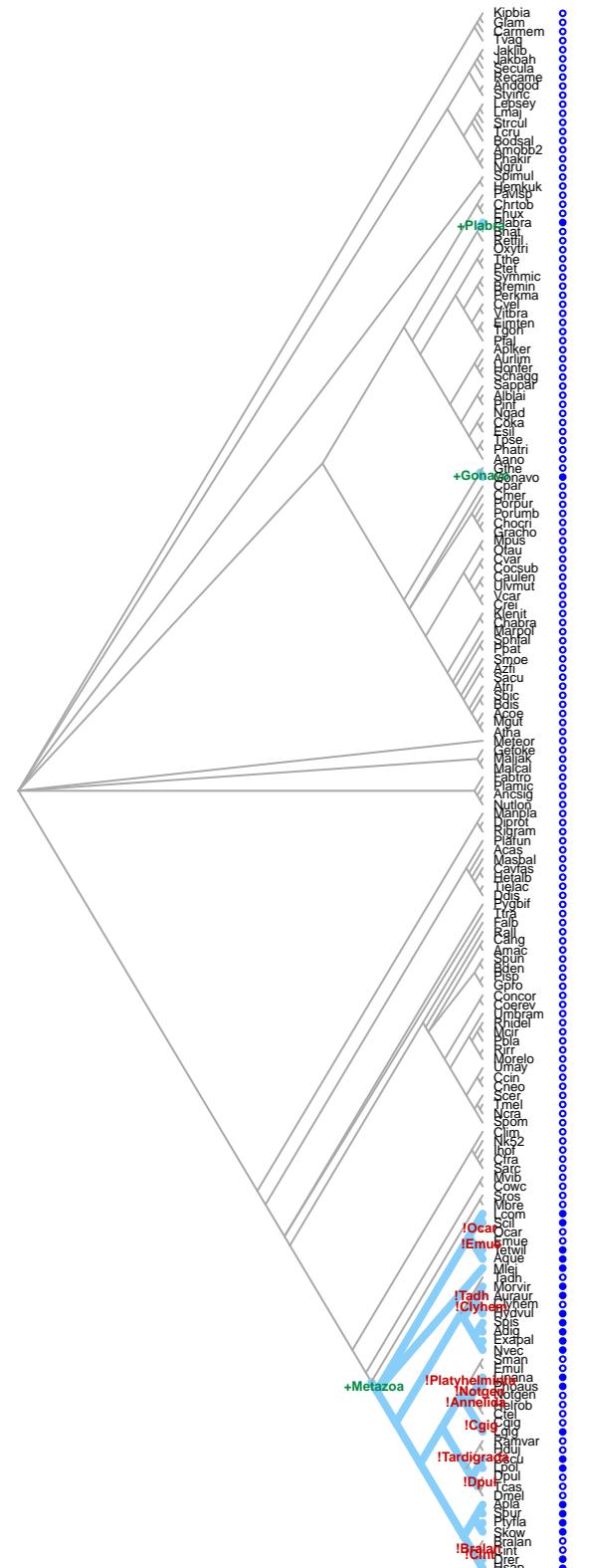
Presence Eukaryota prob = 0.02

Present: 9

Losses: NA





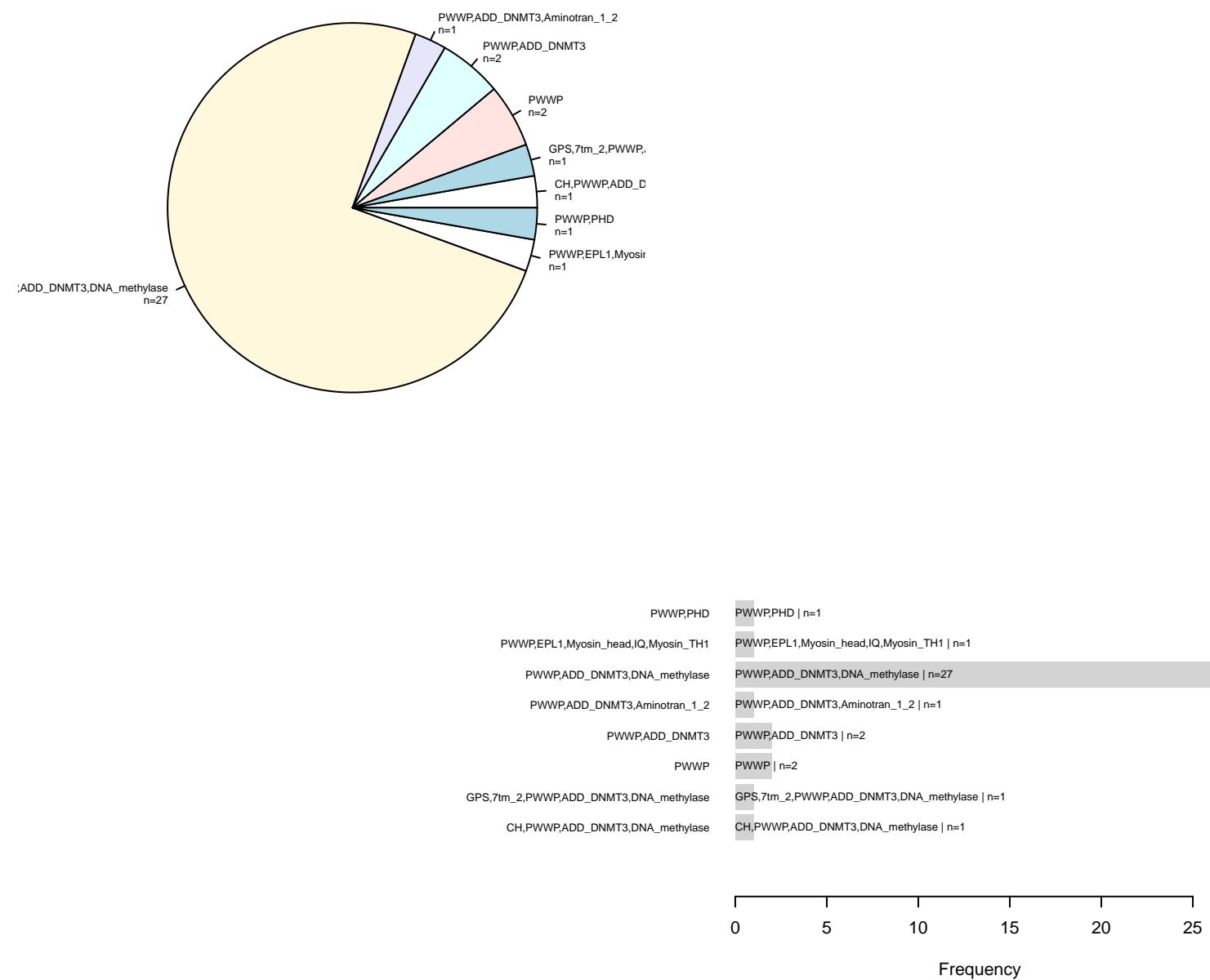


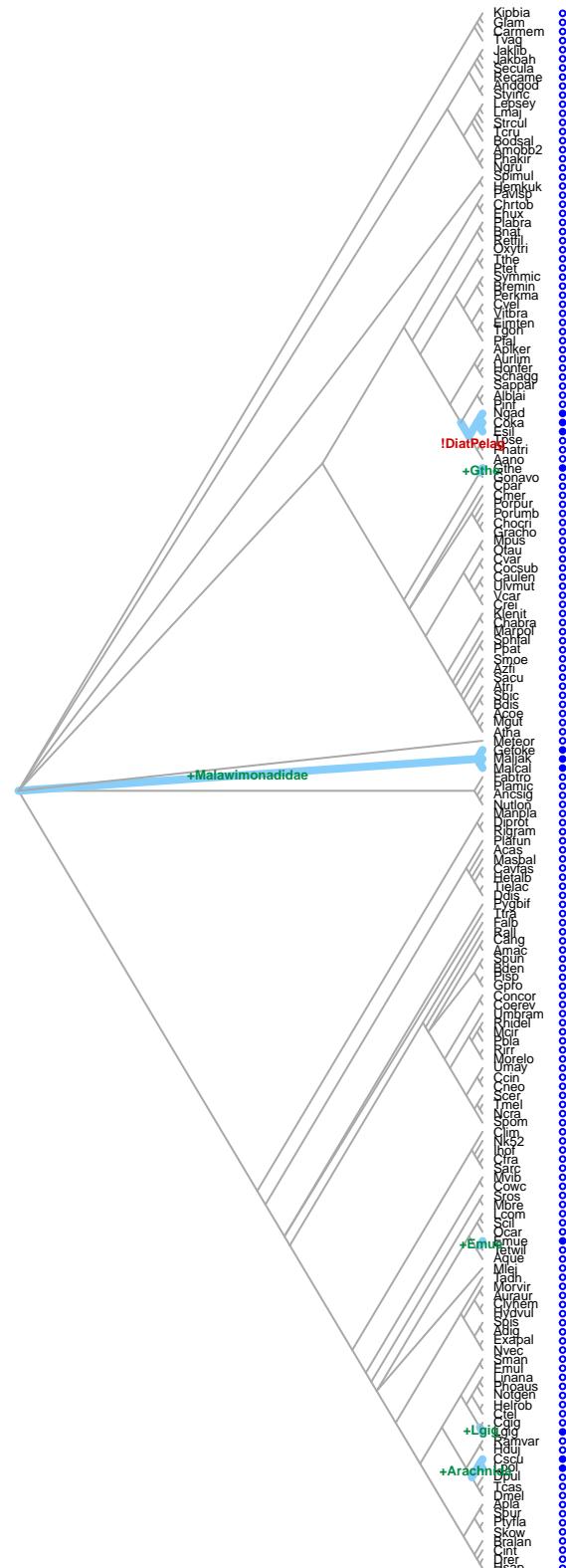
Gain: Metazoa.Gonavo.Plabra.NA

Presence Eukaryota prob = 0.05

Present: 25

Present: 23



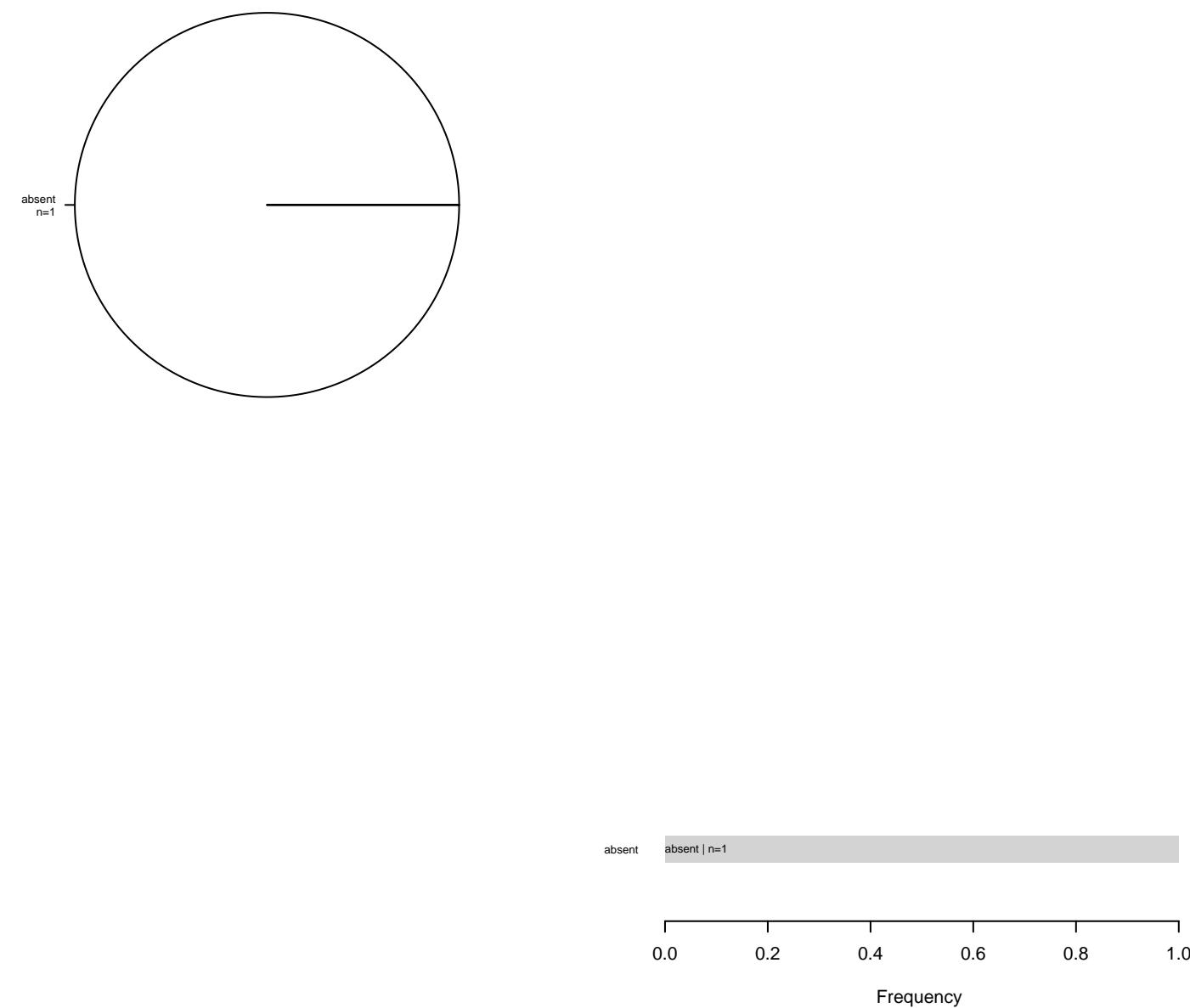


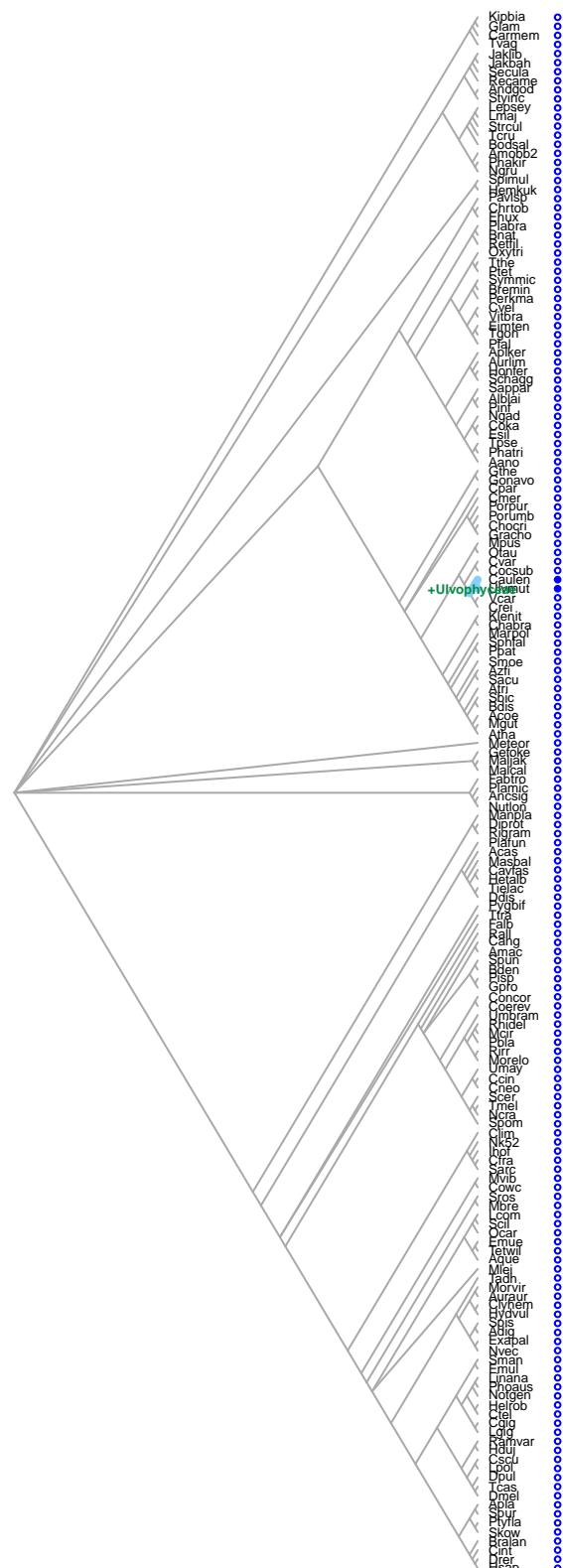
Gain: Arachnida,Lgig,Emue,Malawimonadidae,Gthe,NA

Presence Eukaryota prob = 0.39

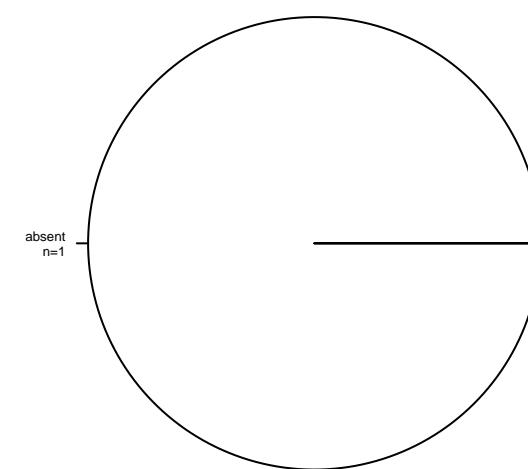
Present: 11

Losses: NA

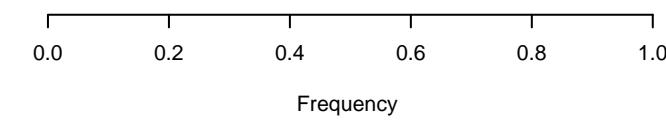


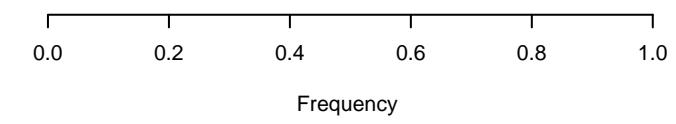
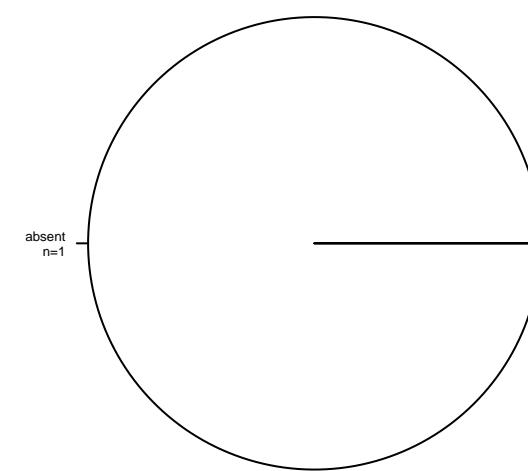
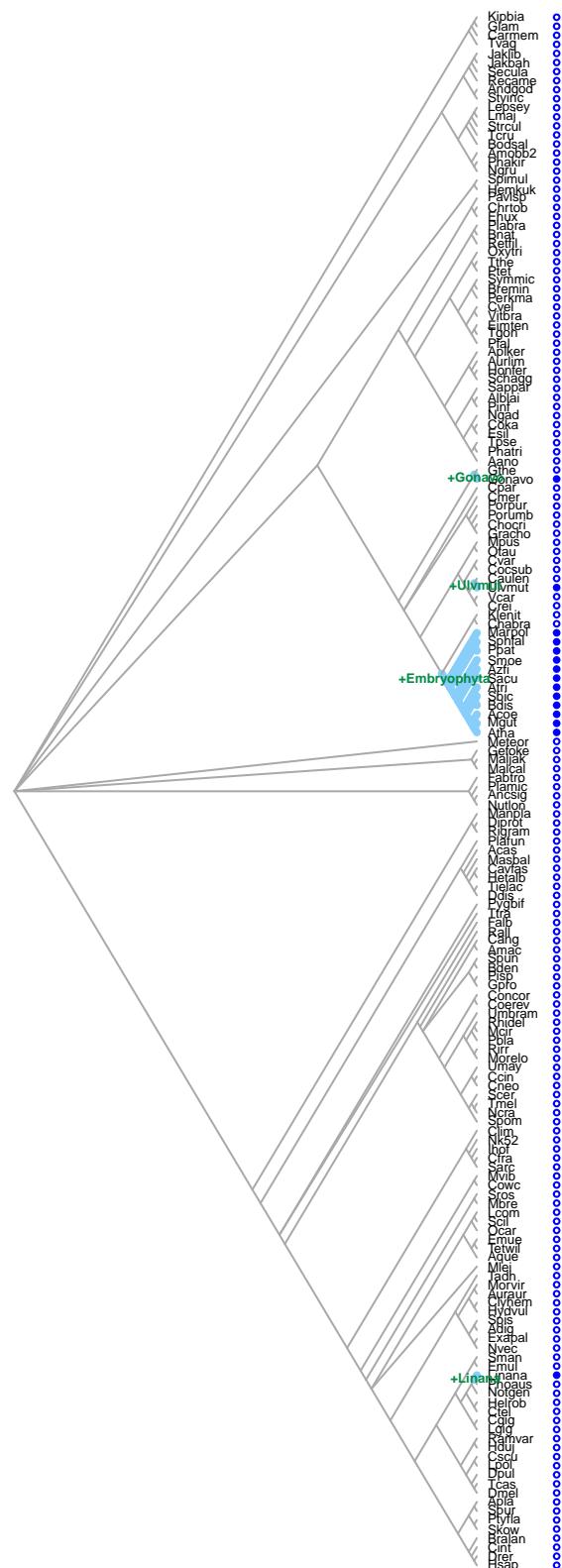


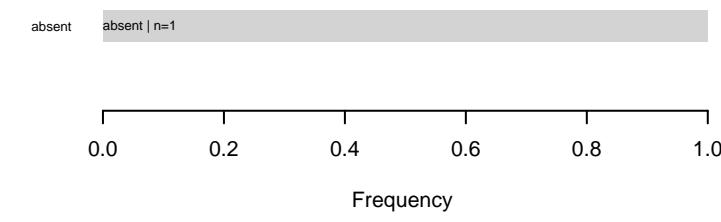
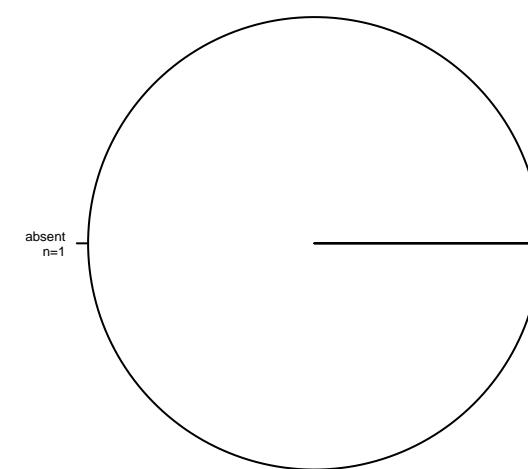
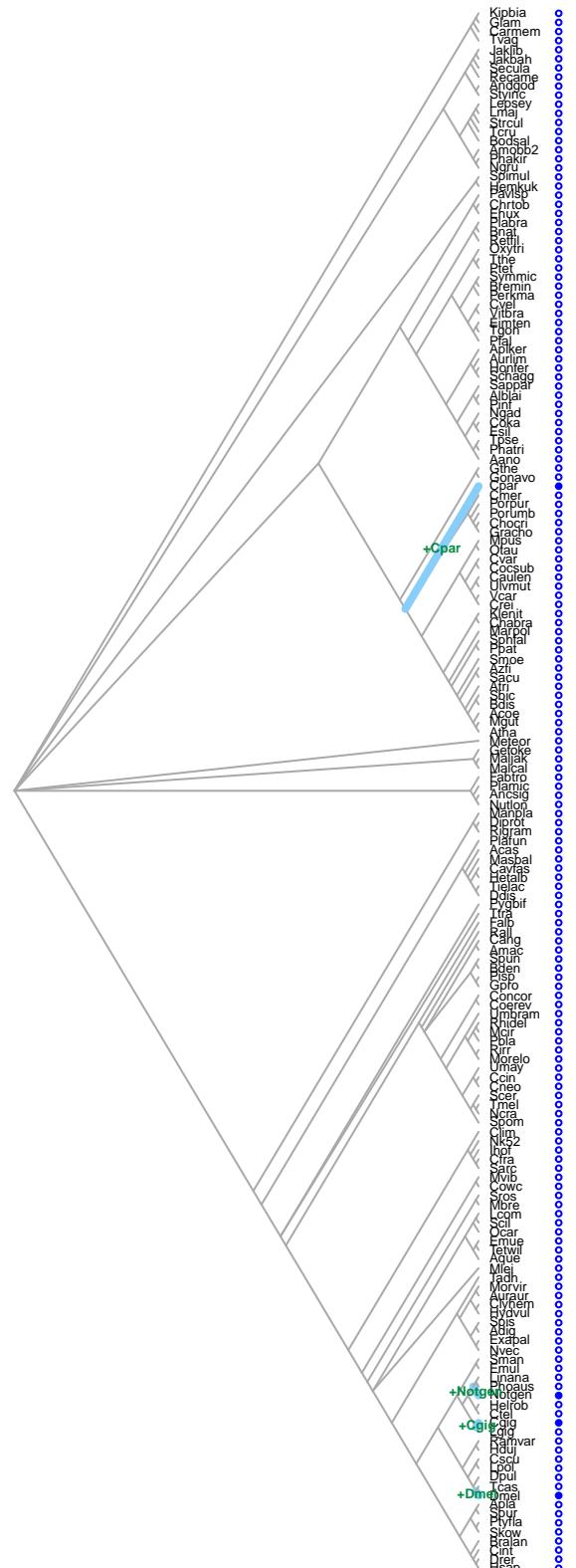
Gain: Ulvophyceae,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

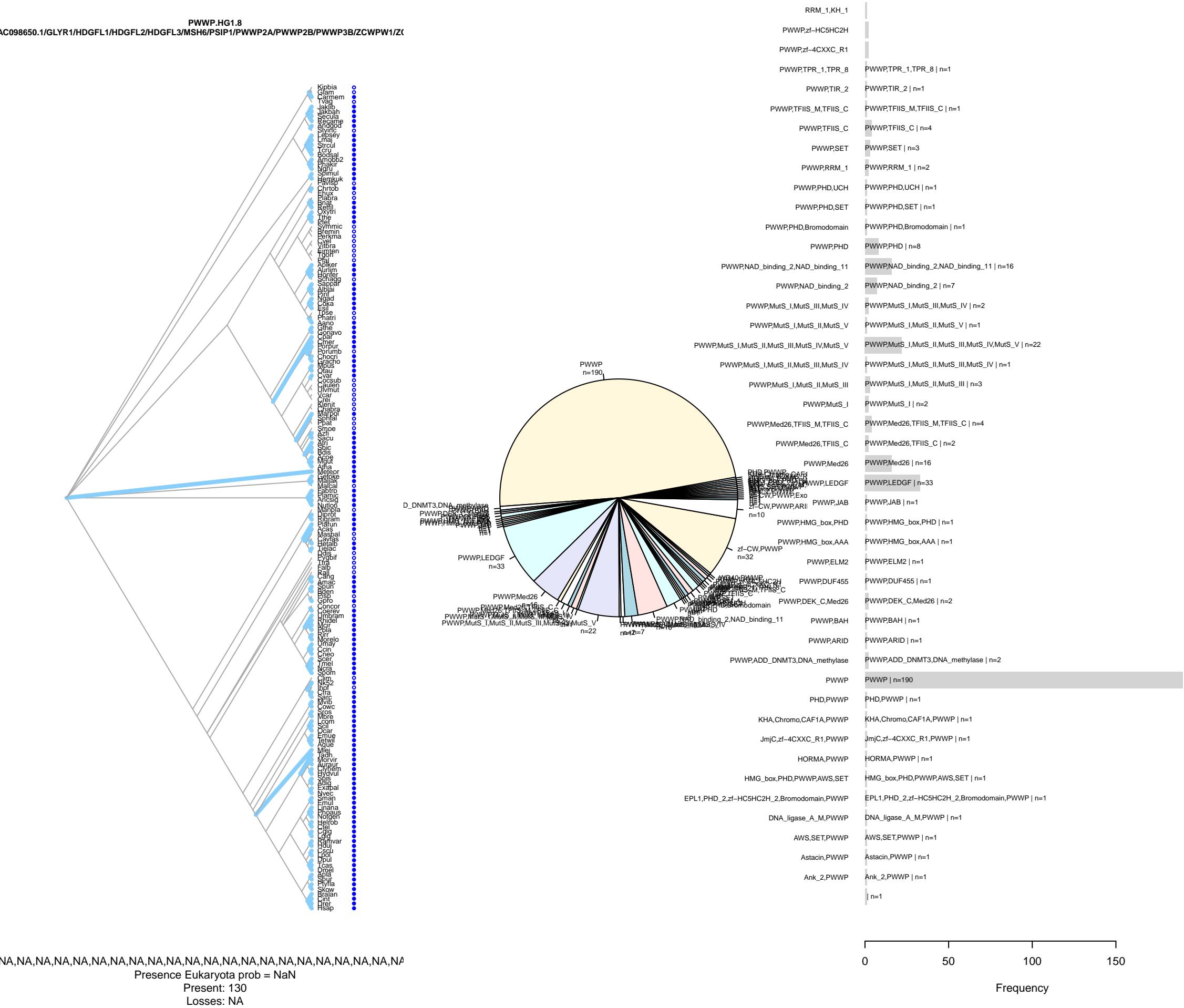


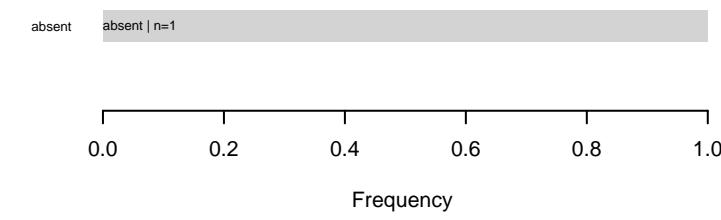
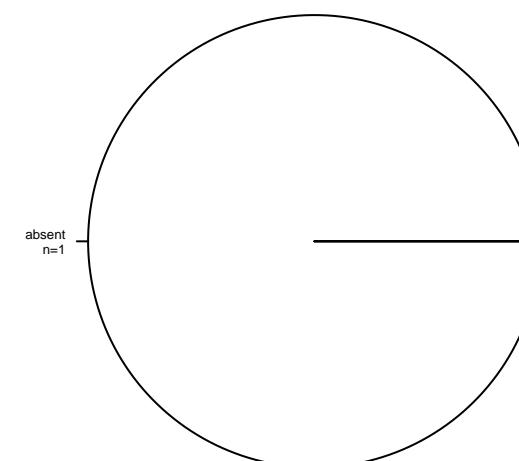
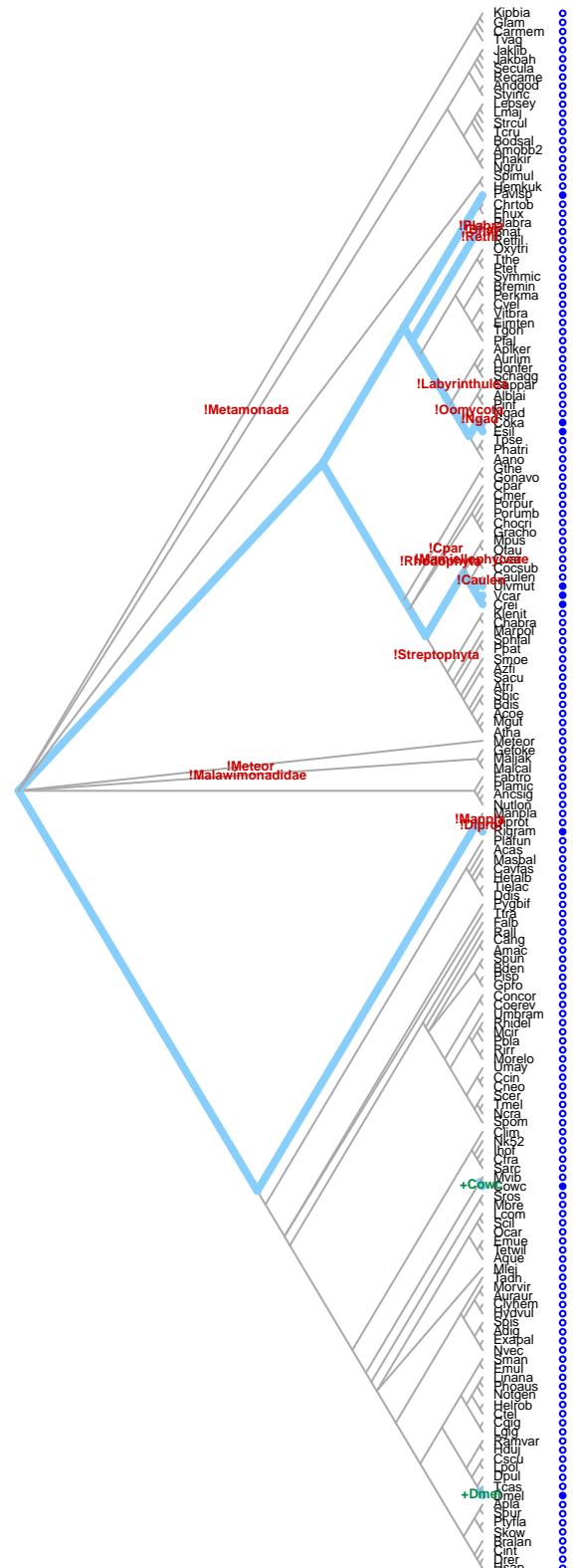
absent absent | n=1

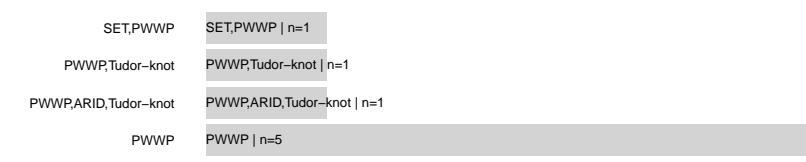
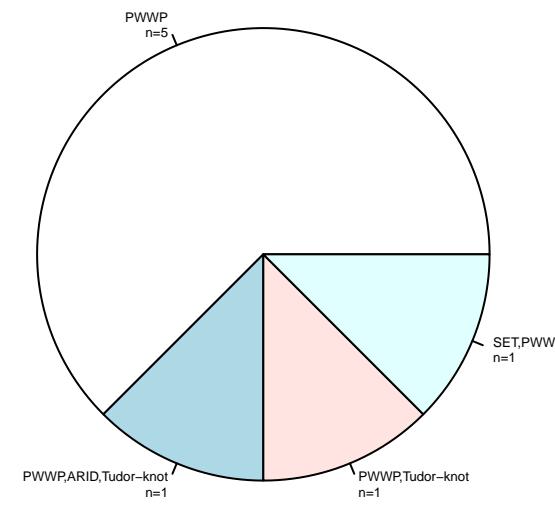
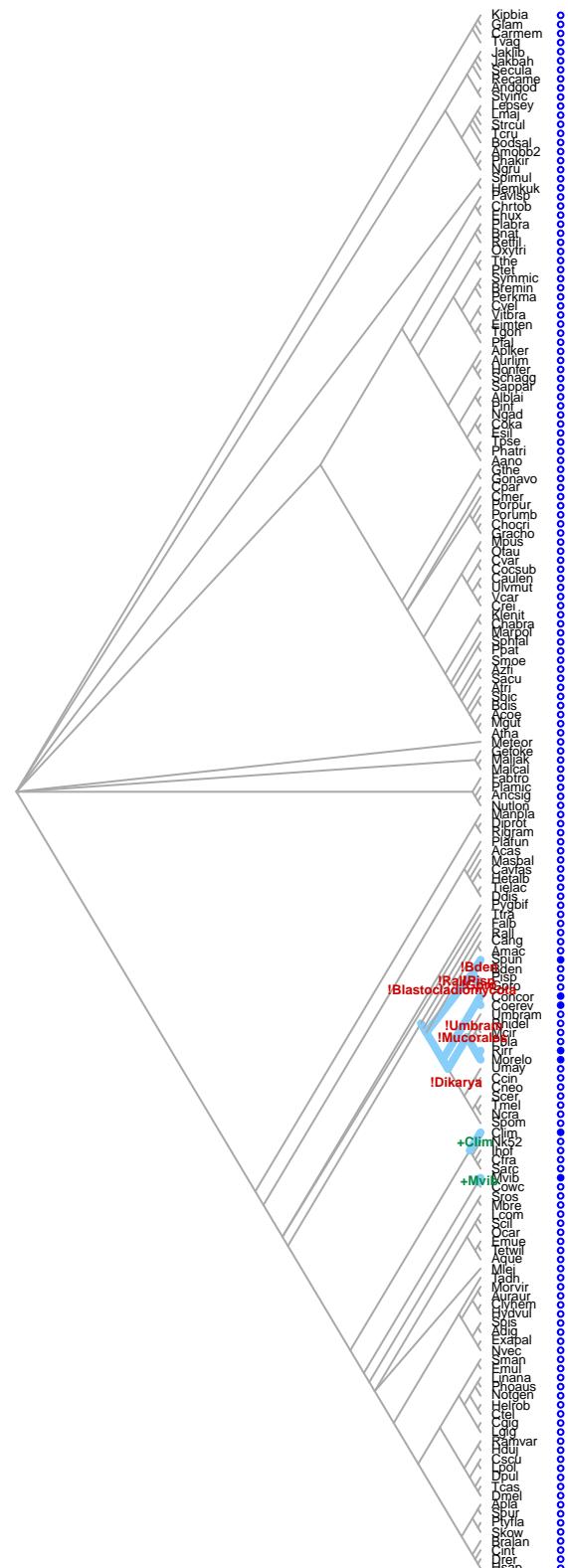


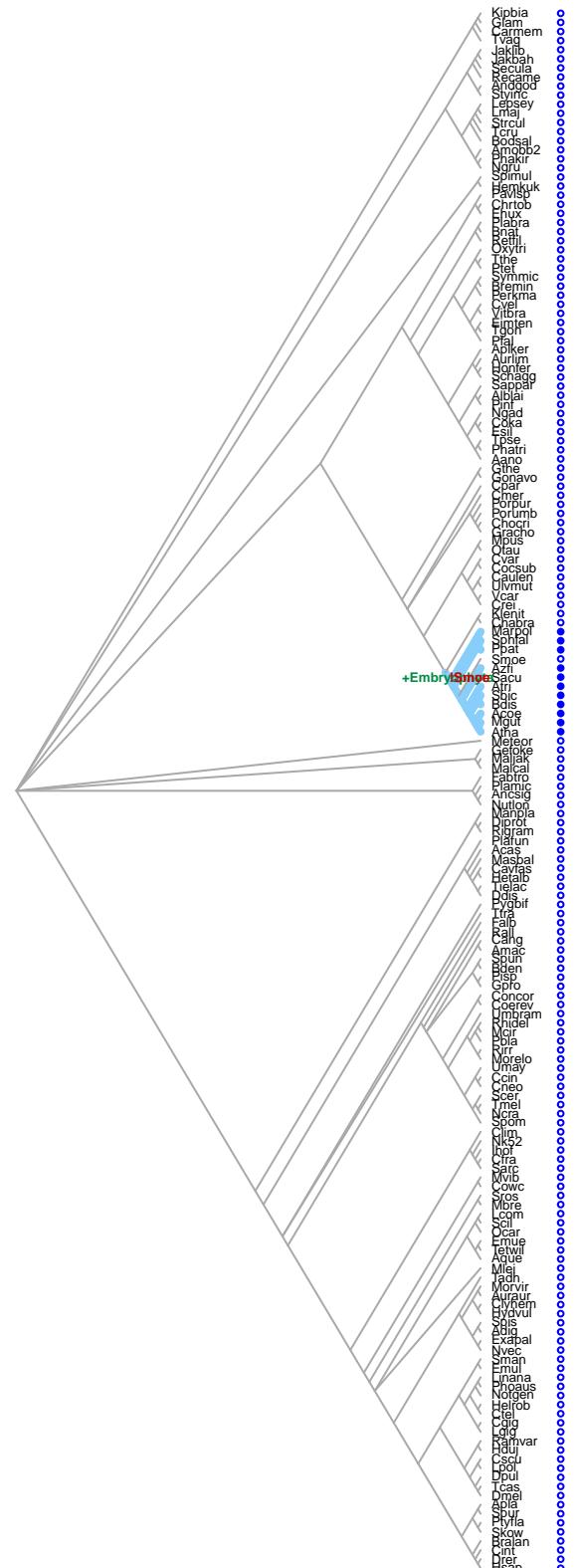




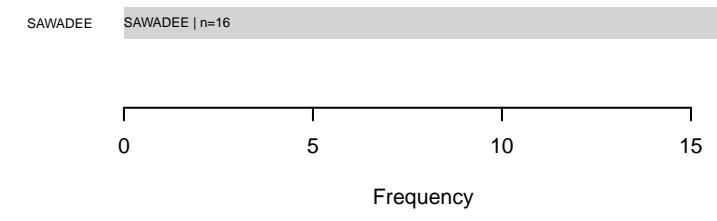
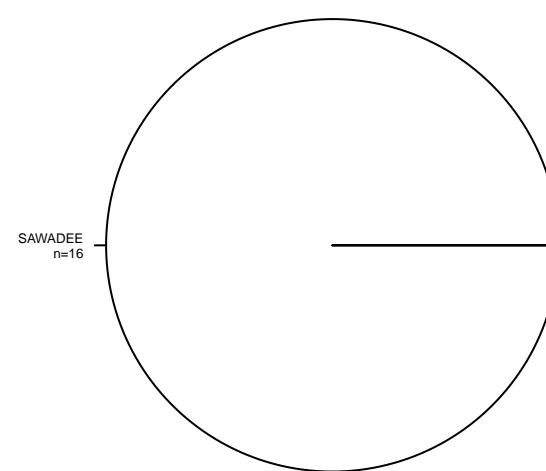


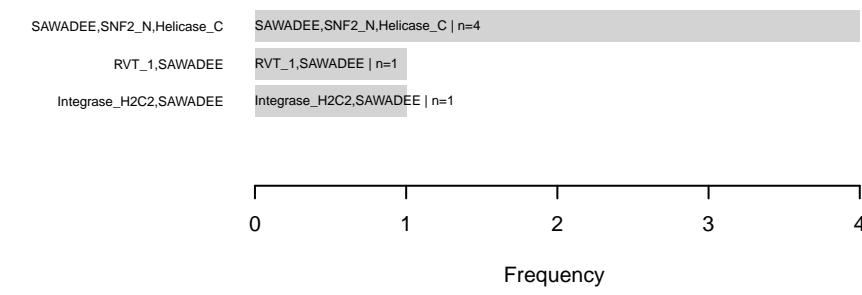
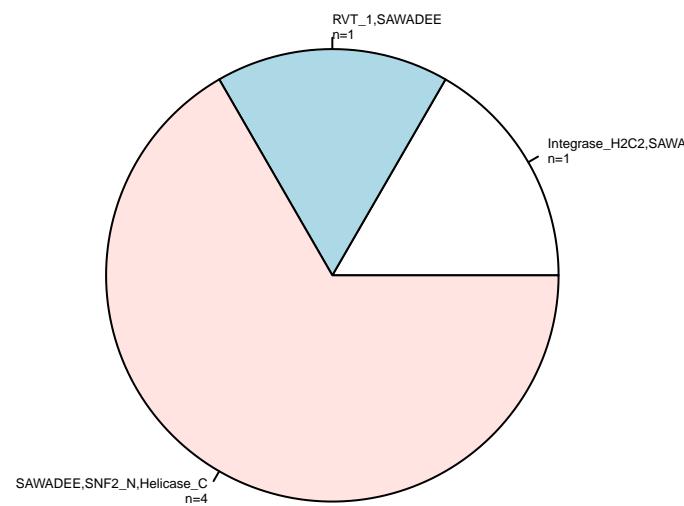
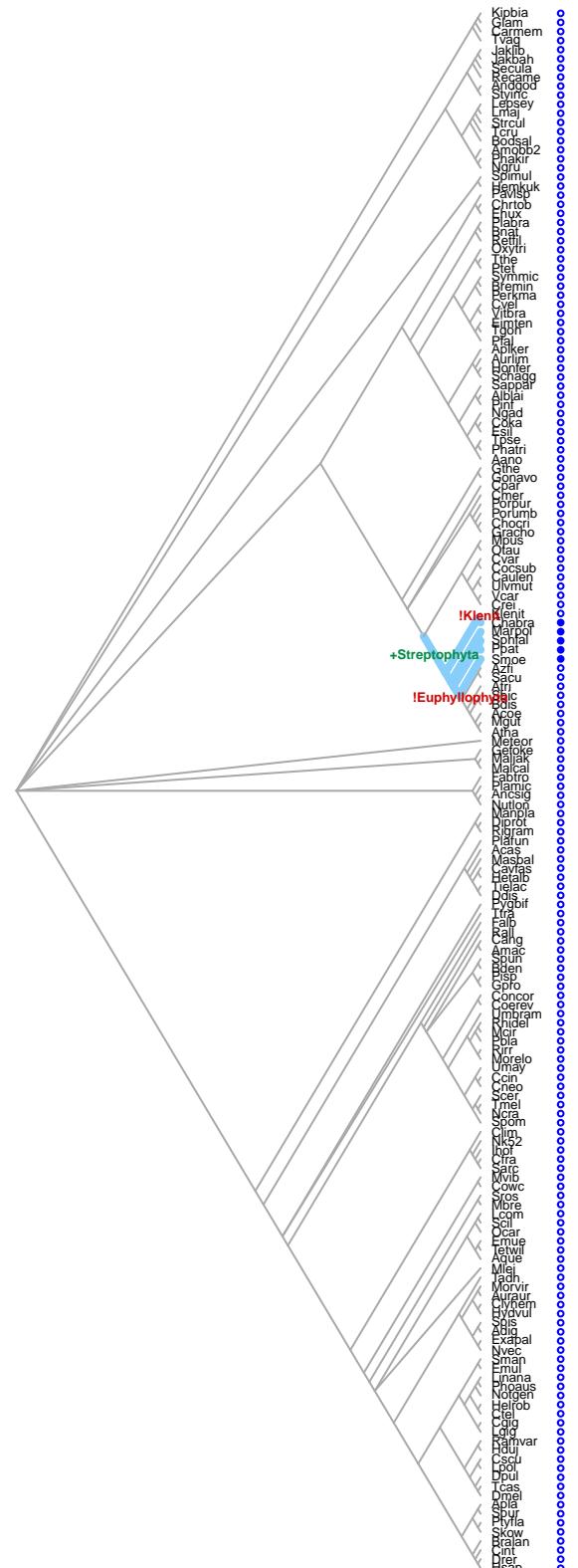


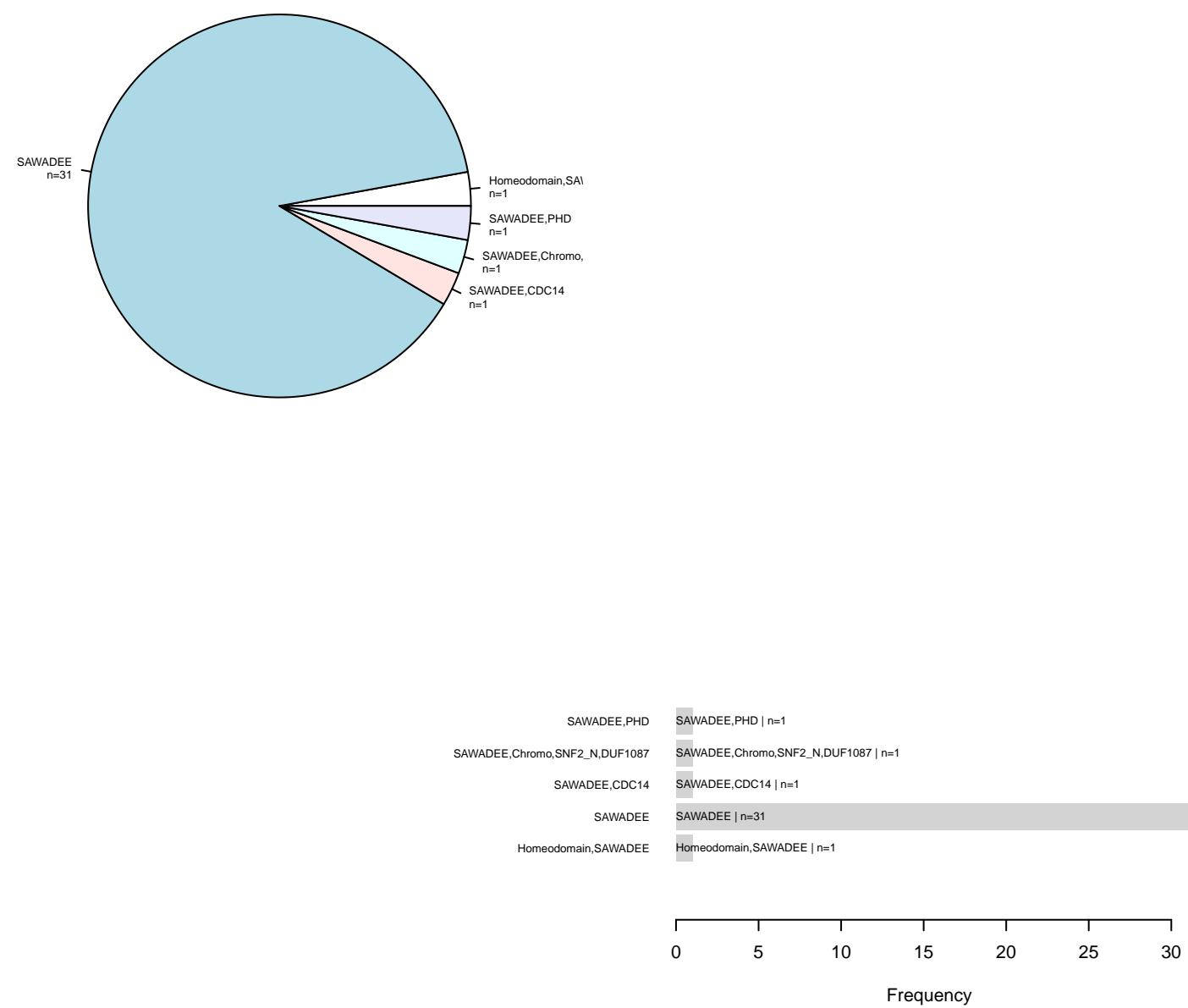
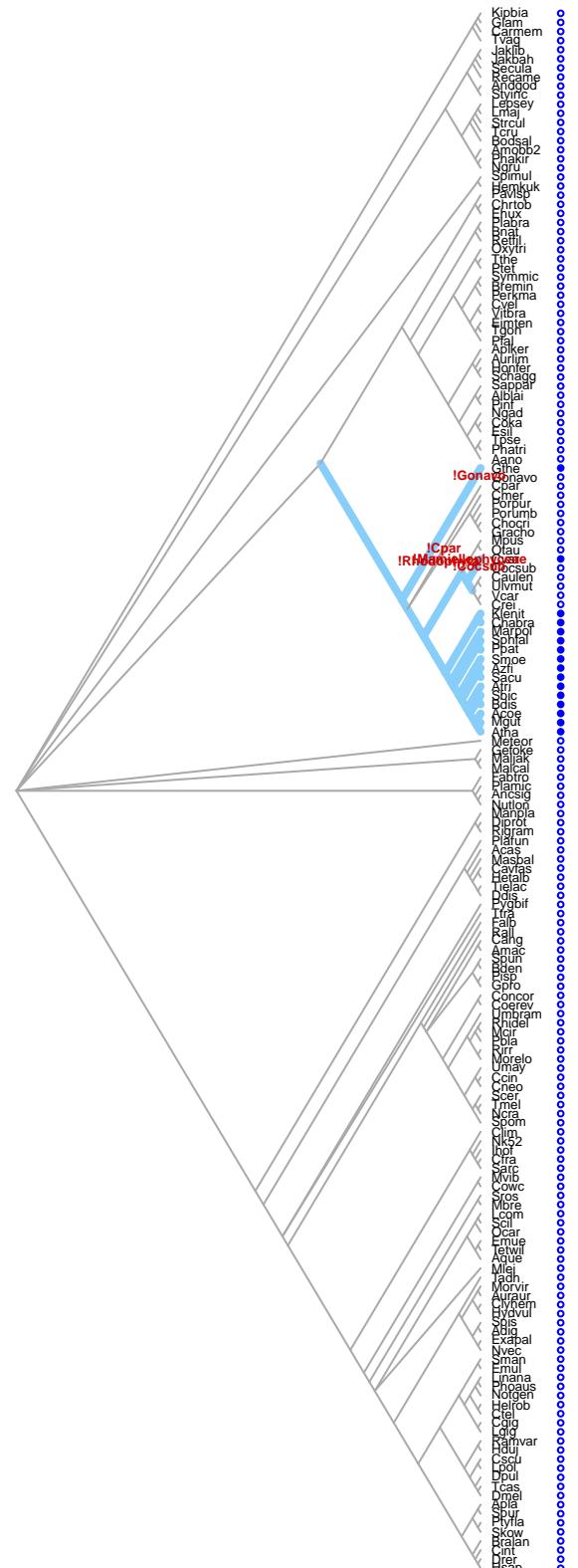


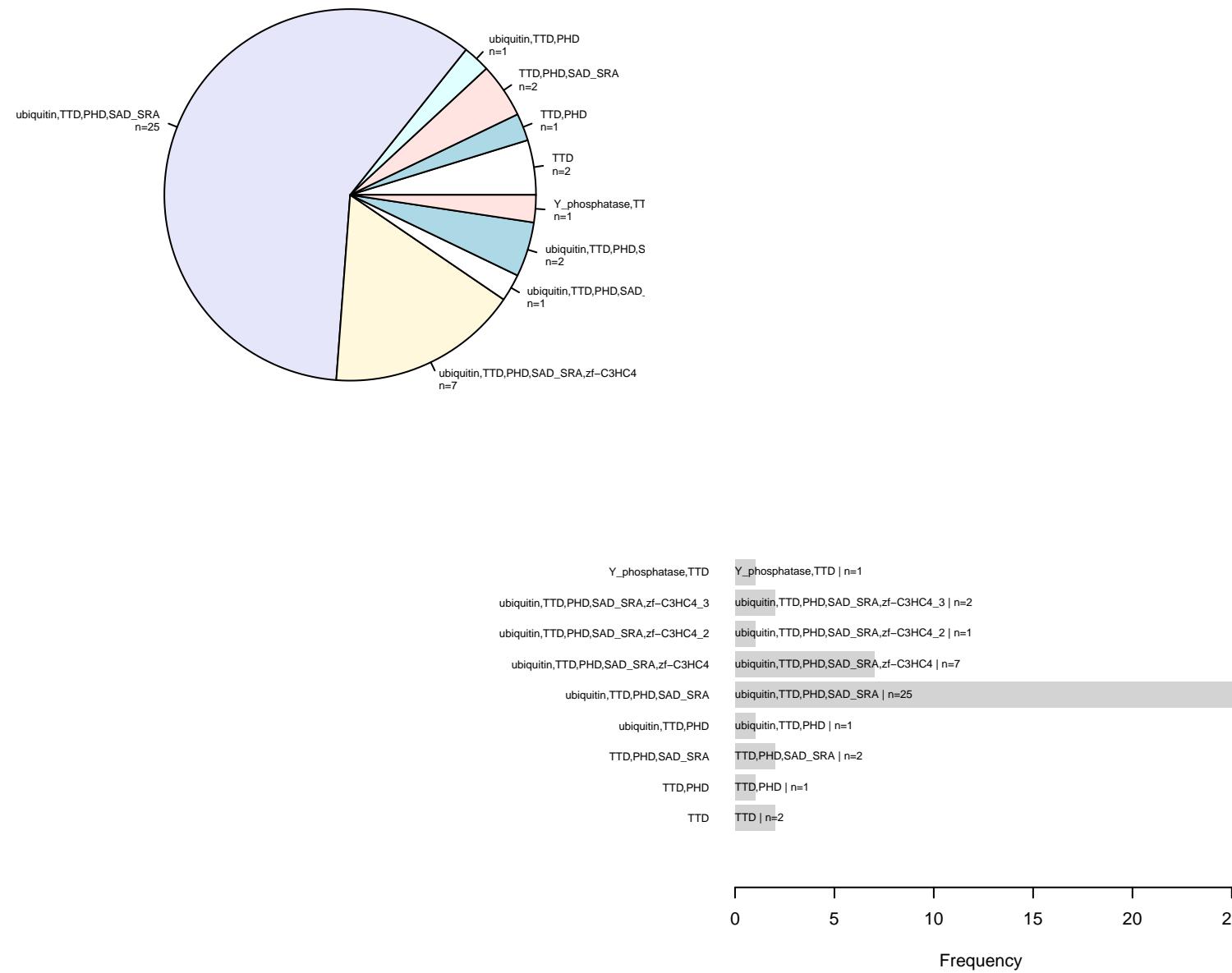
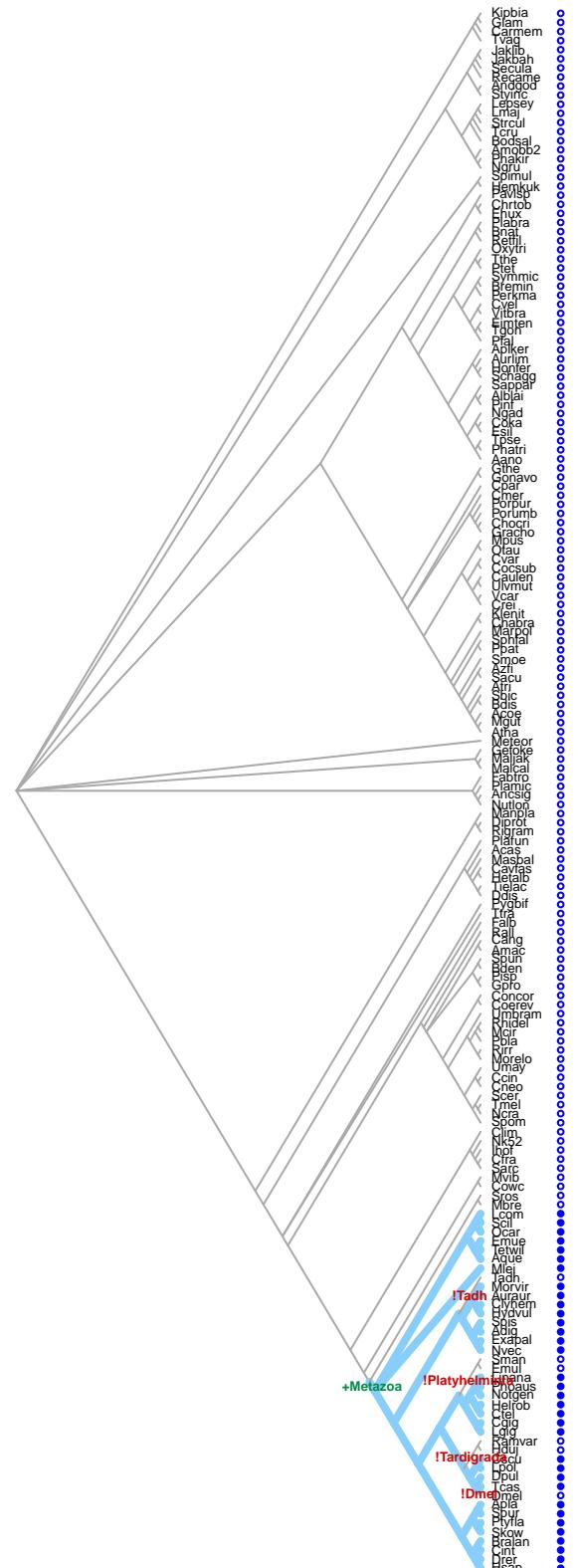


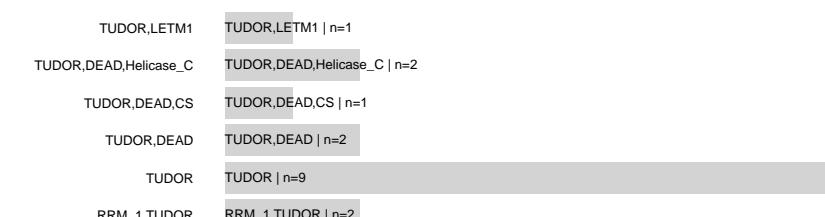
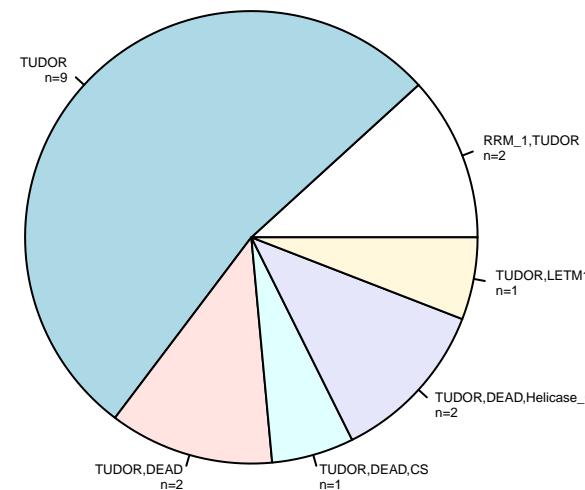
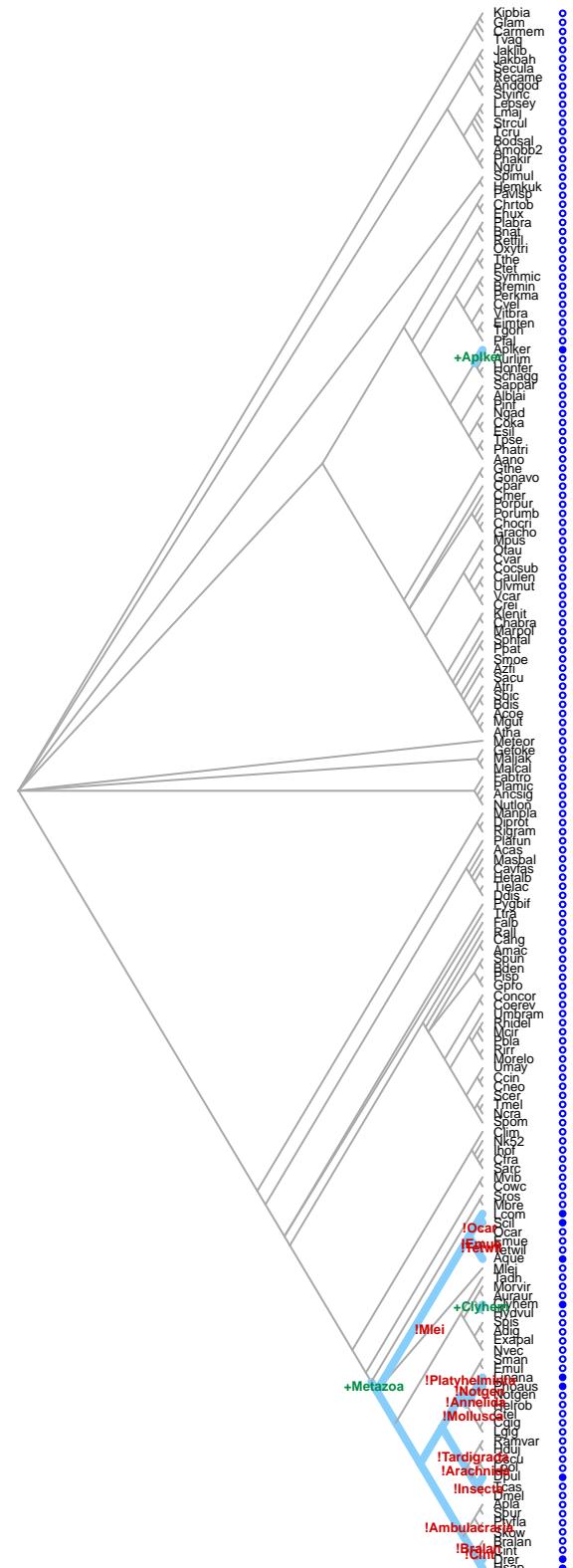
Gain: Embryophyta,NA
Presence Eukaryota prob = 0.00
Present: 11
Losses: NA



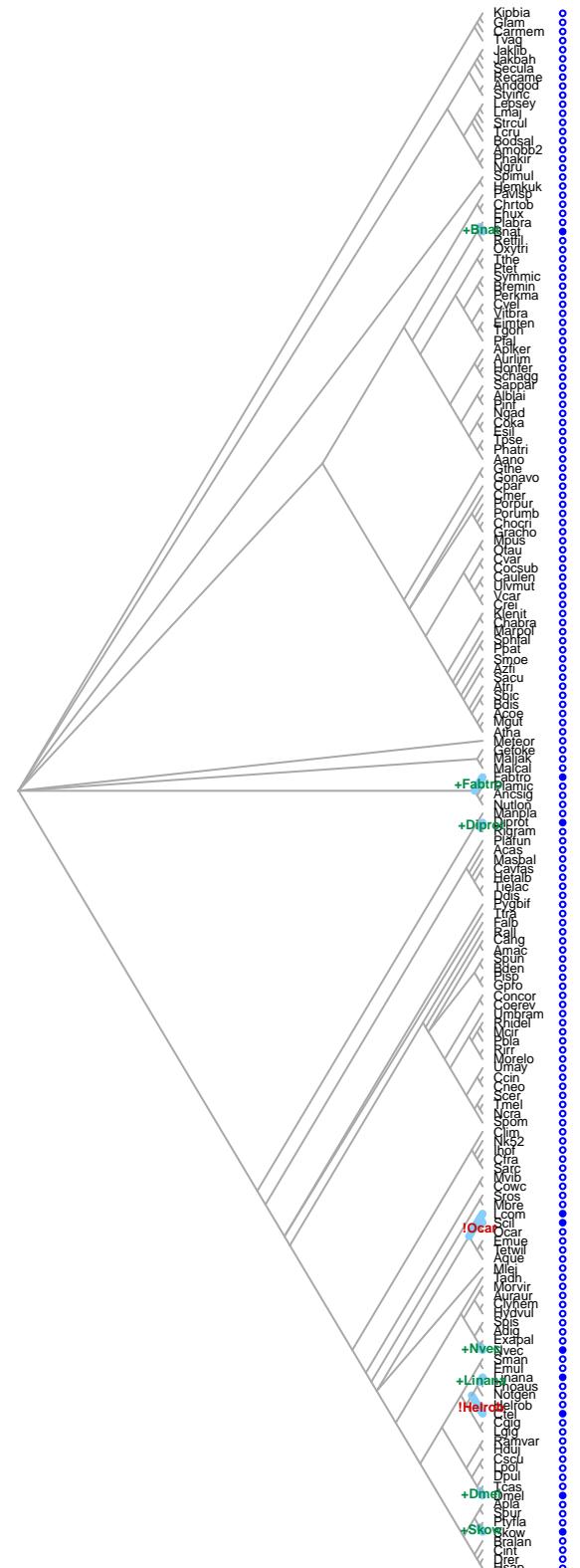








Frequency

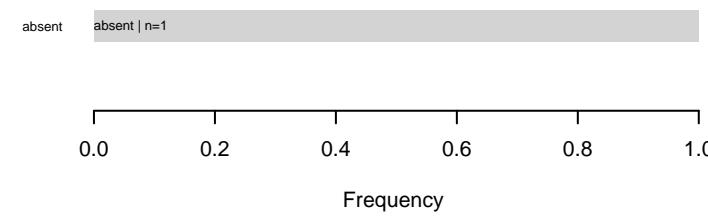
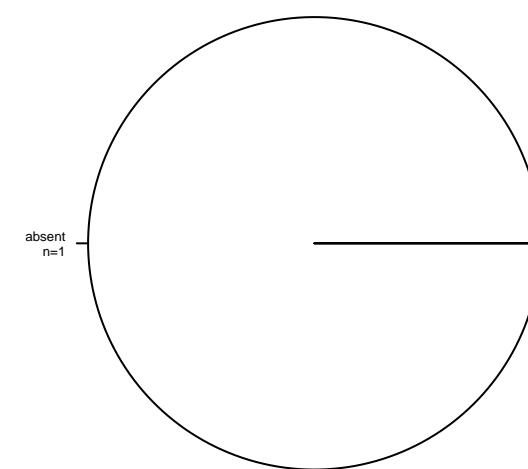


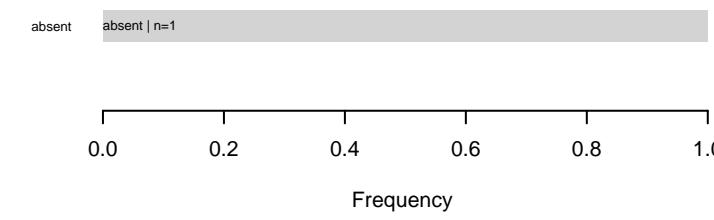
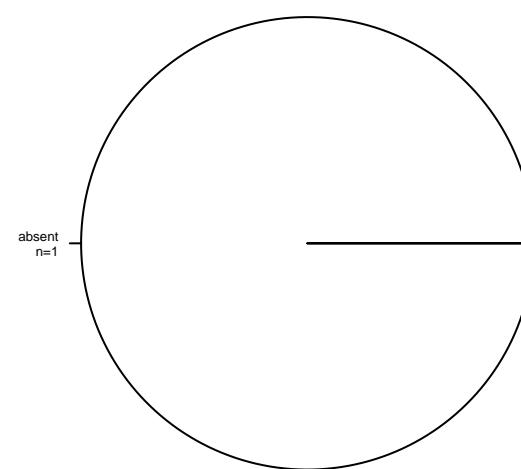
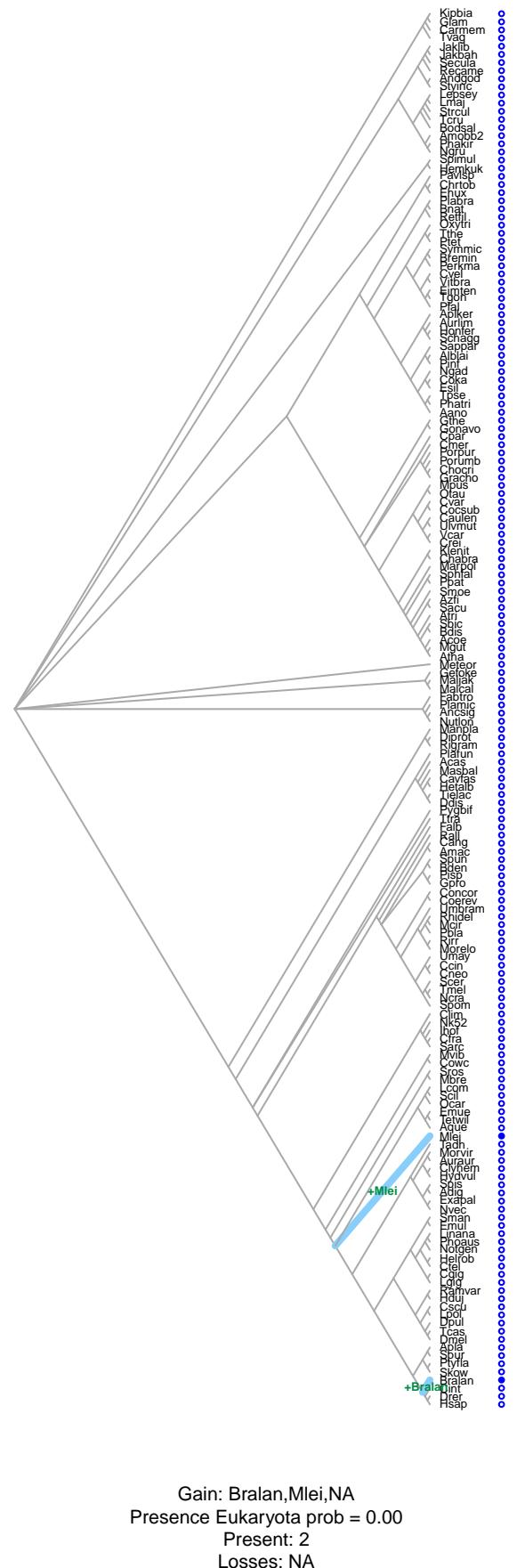
Gain: Skow,Dmel,Linana,Nvec,Diprot,Fabtro,Bnat,NA

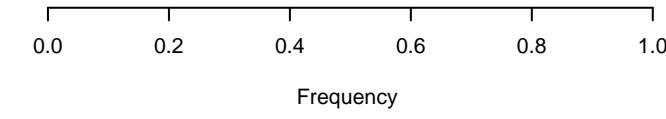
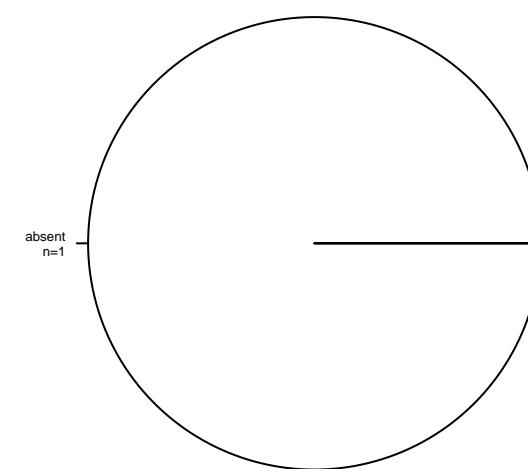
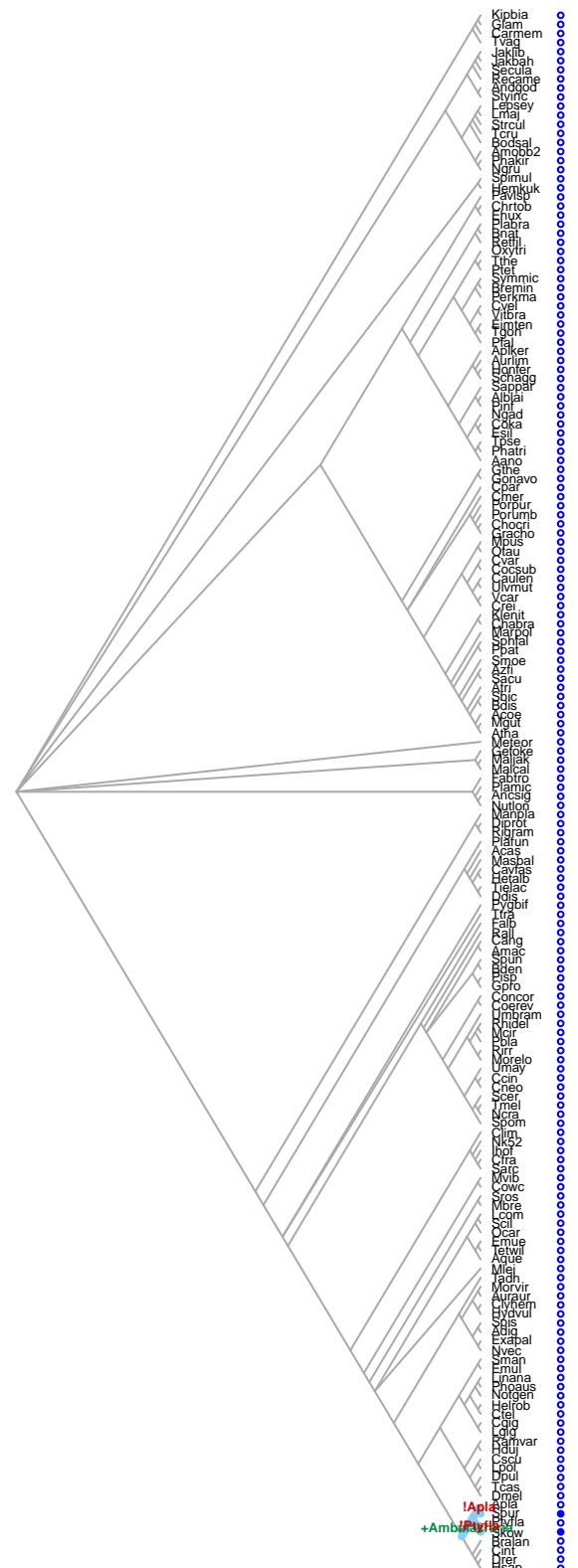
Presence Eukaryota prob = 0.37

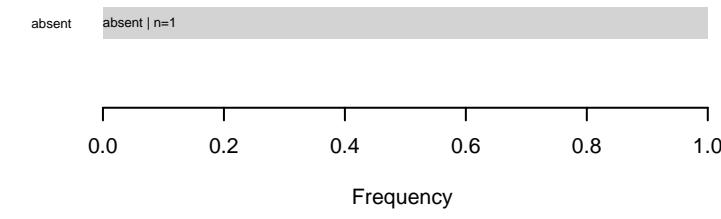
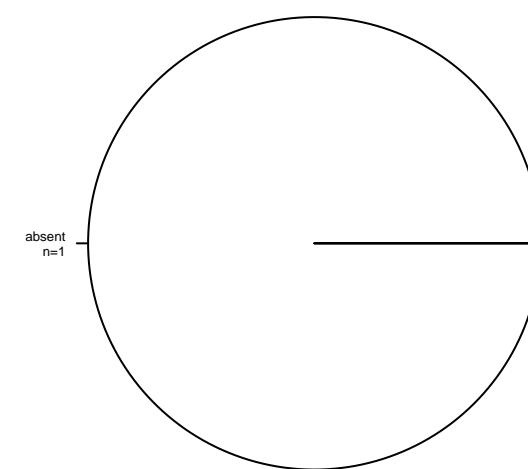
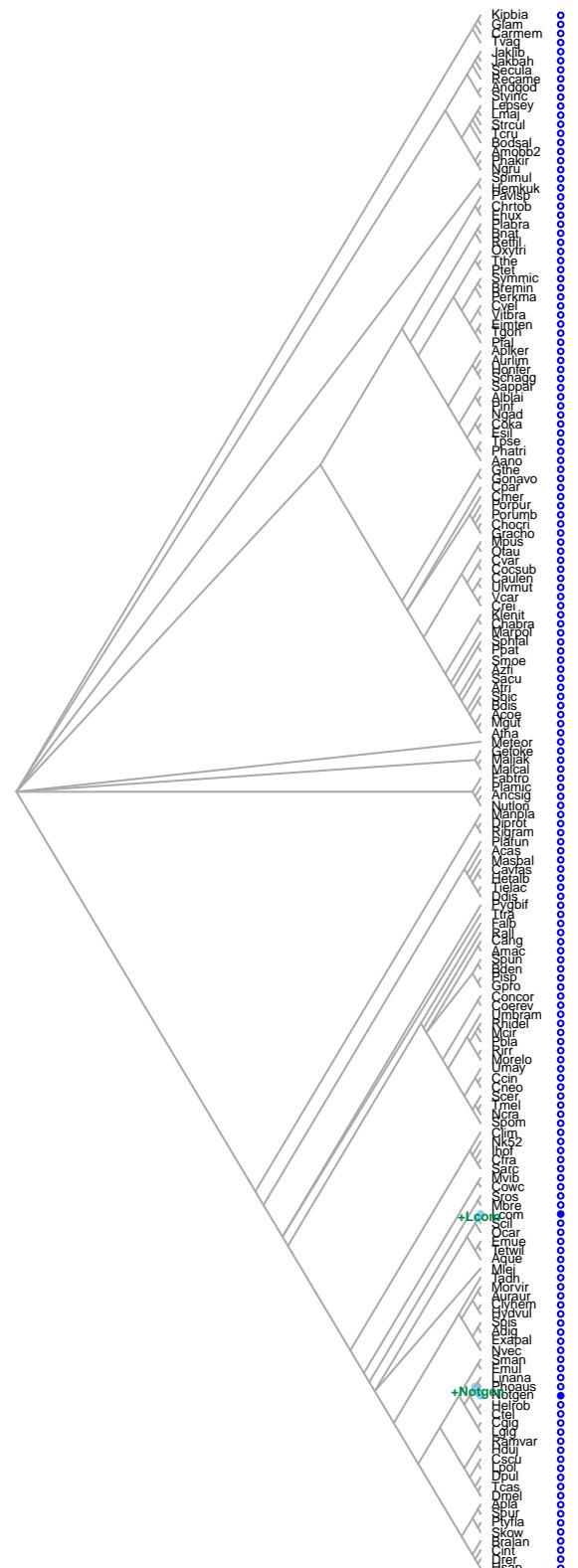
Present: 10

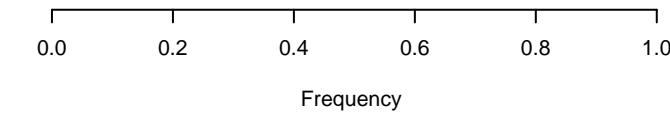
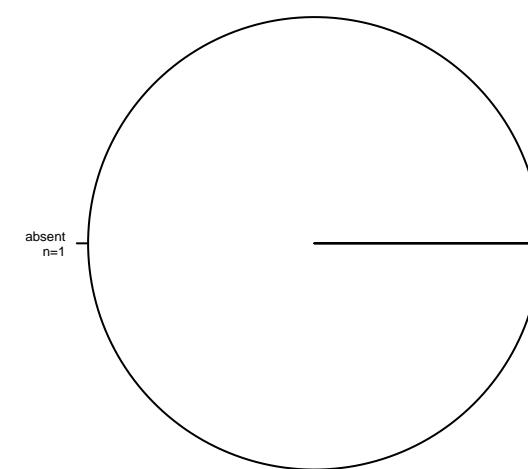
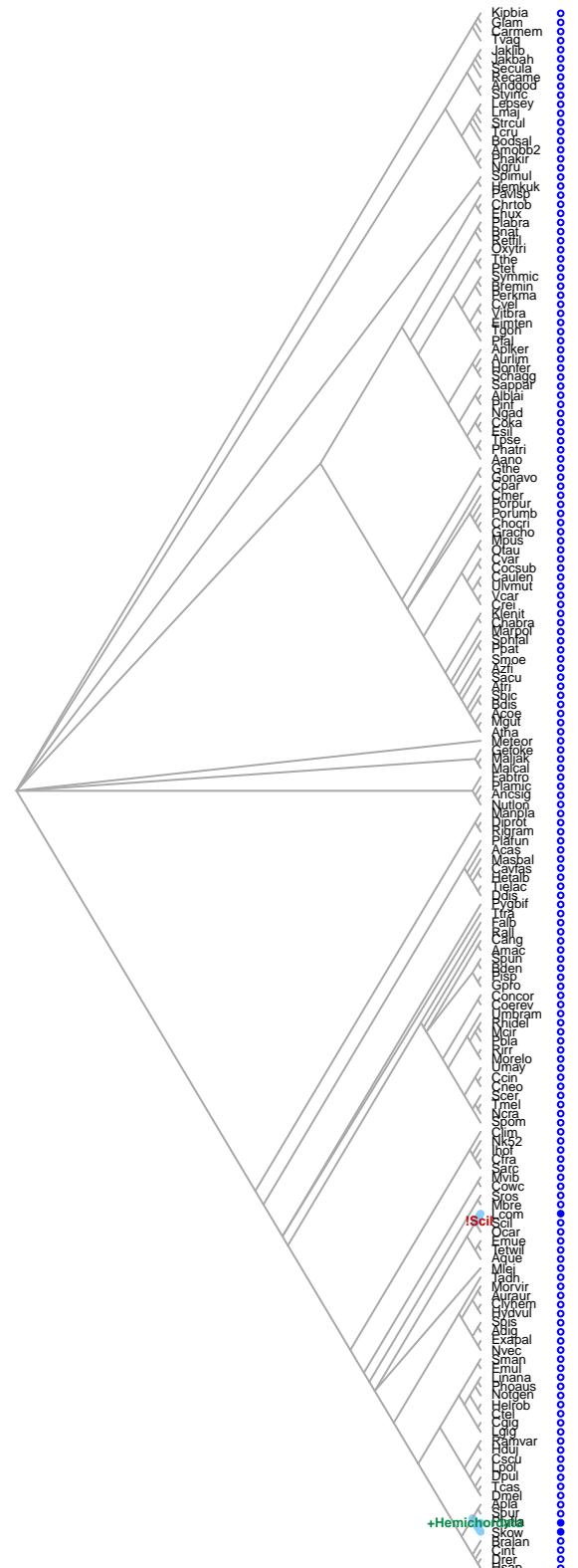
Losses: NA

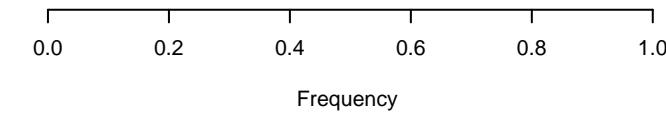
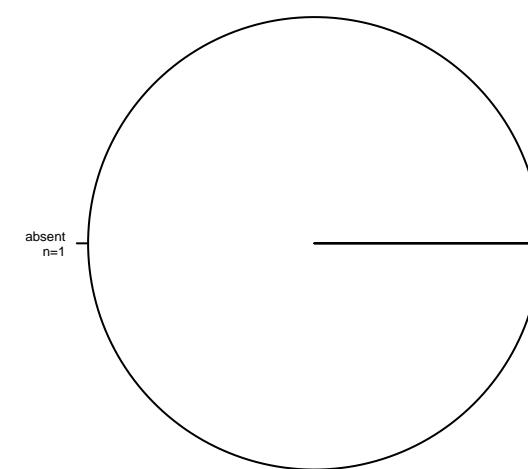
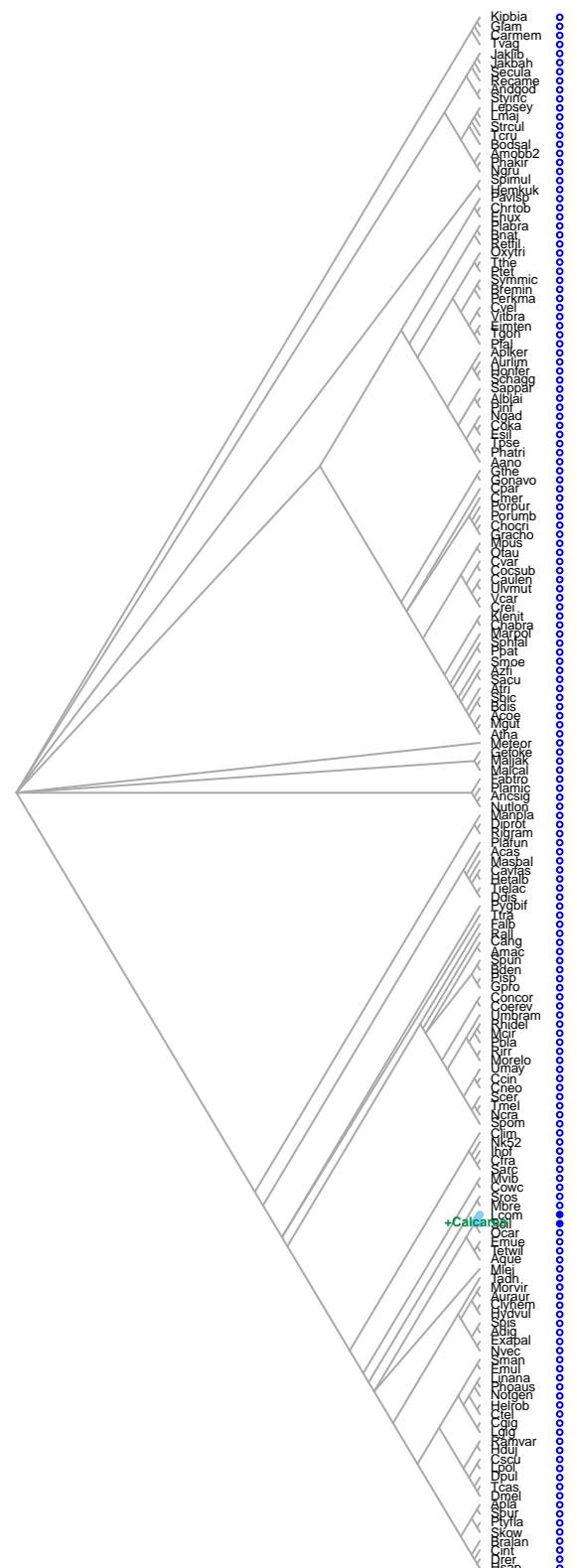


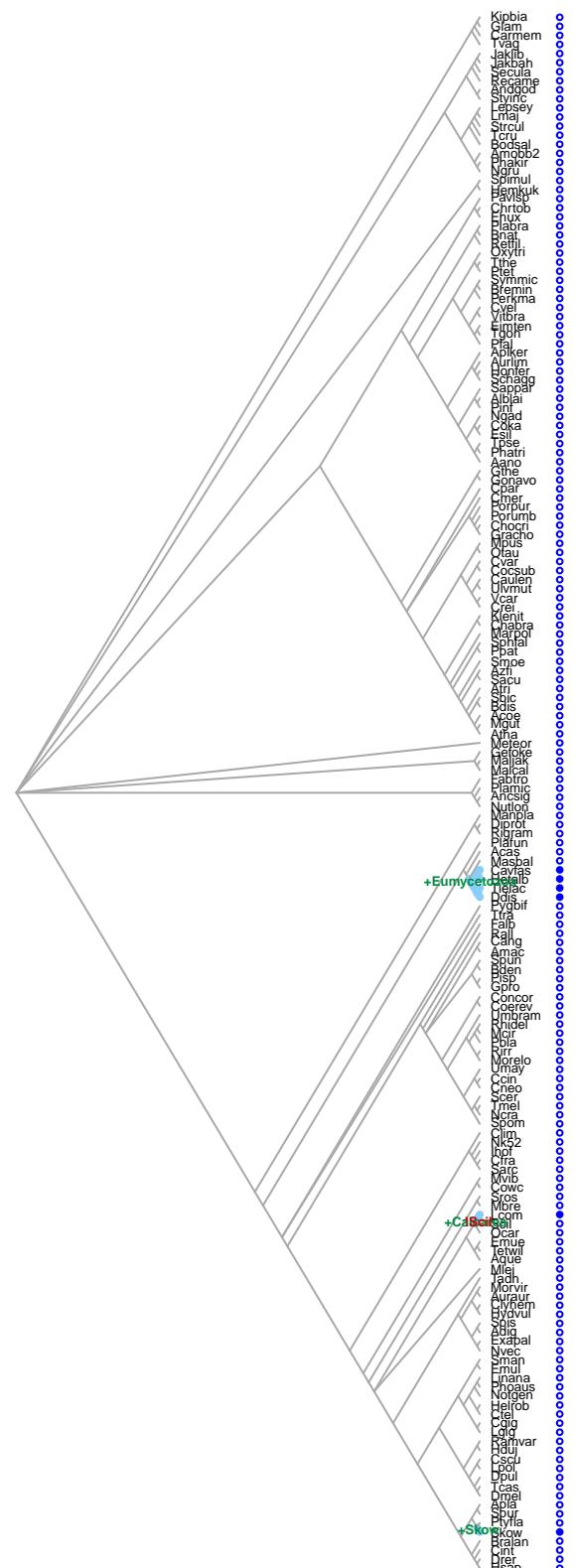










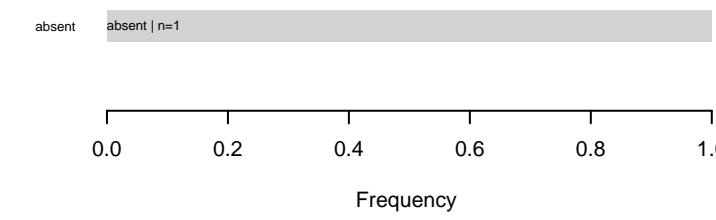
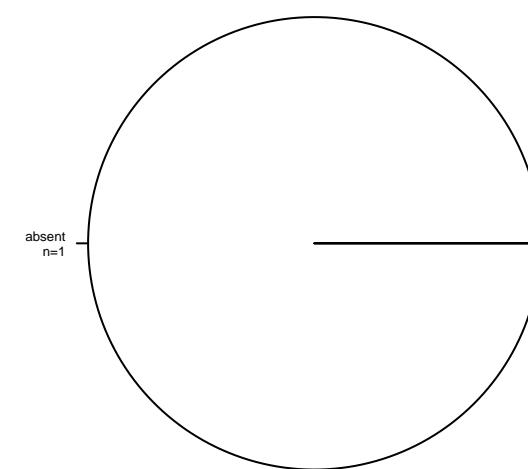


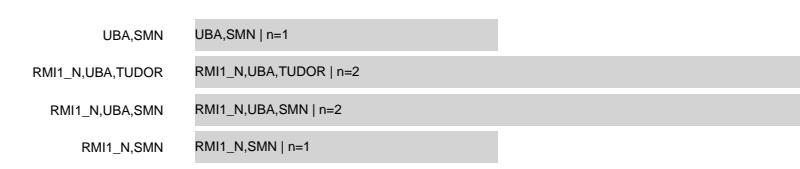
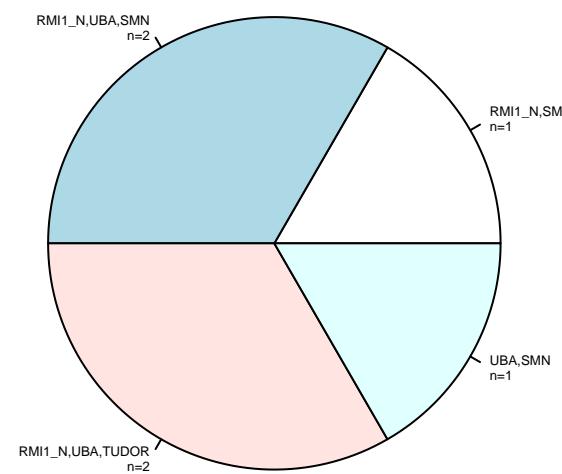
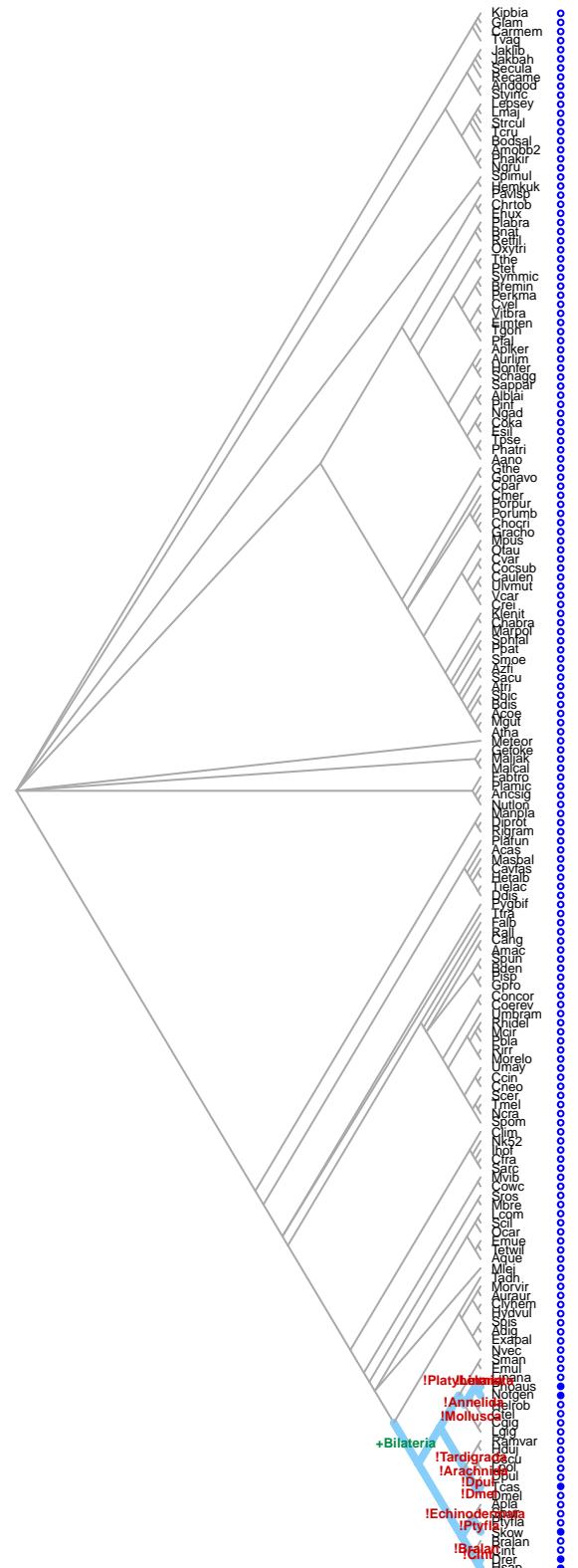
Gain: Skow,Calcarea,Eumycetozoa,NA

Presence Eukaryota prob = 0.00

Present: 6

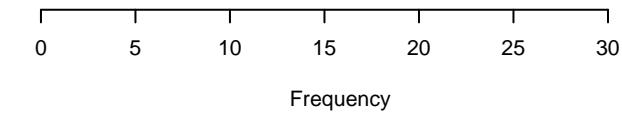
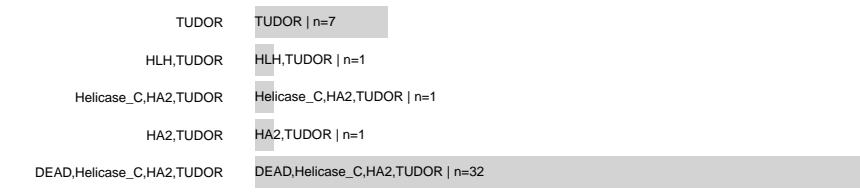
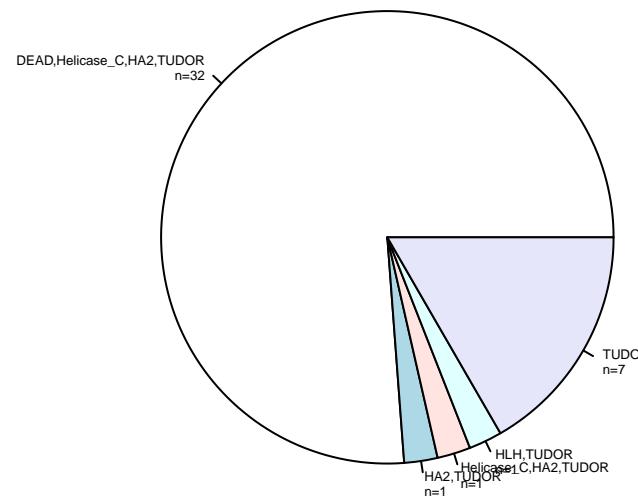
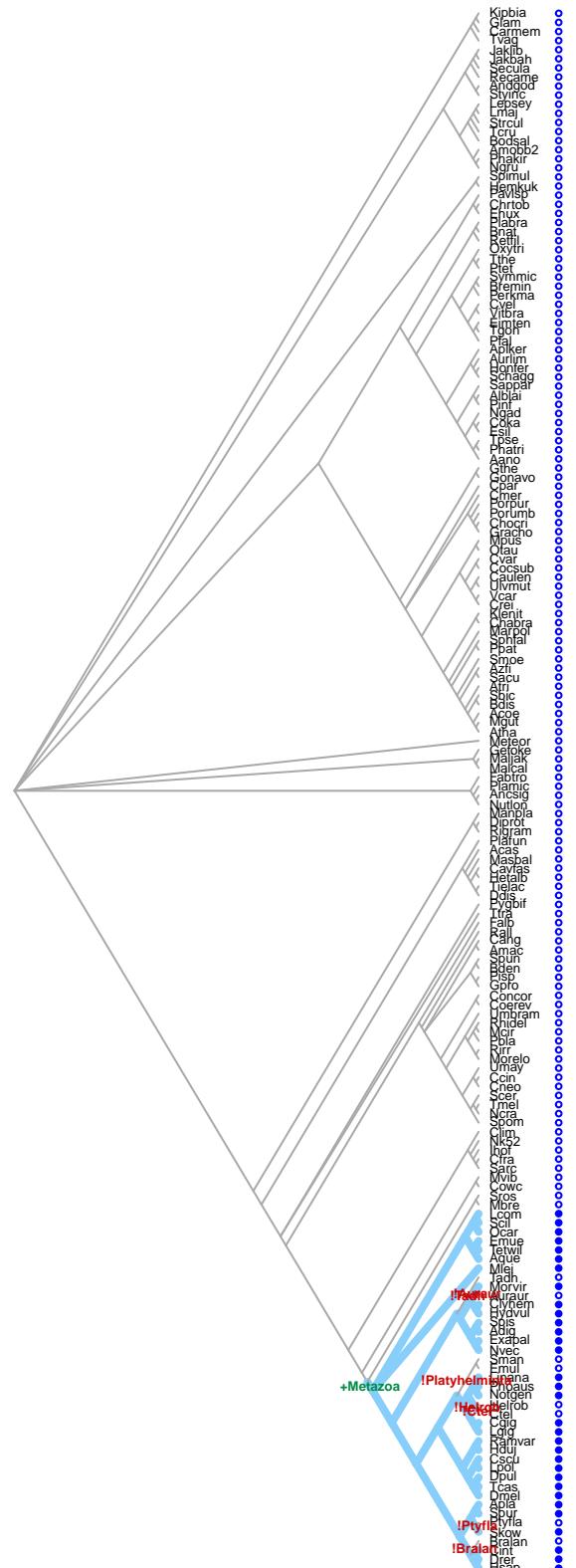
Losses: NA

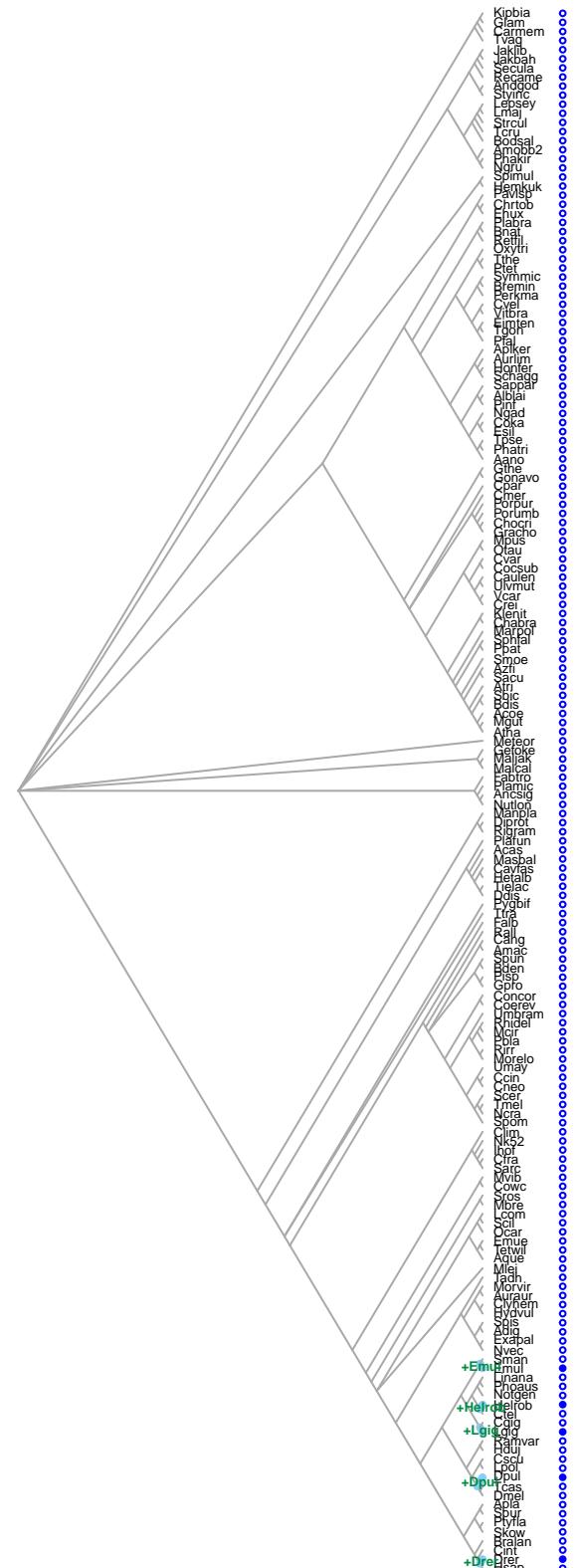




0.0 0.5 1.0 1.5 2.0

Frequency



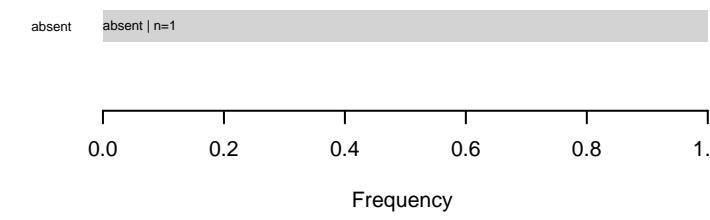
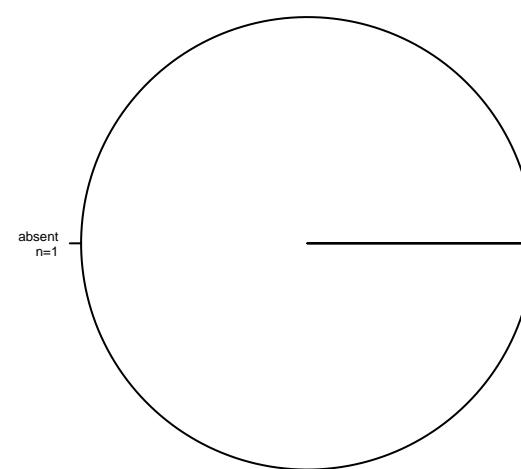


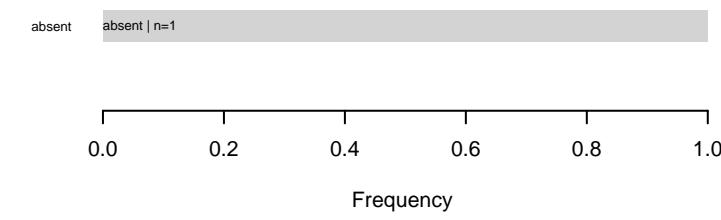
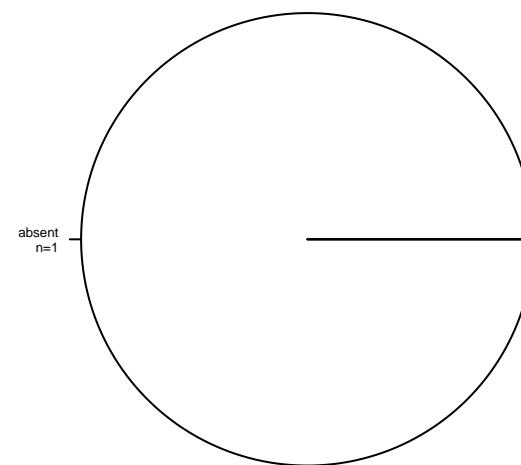
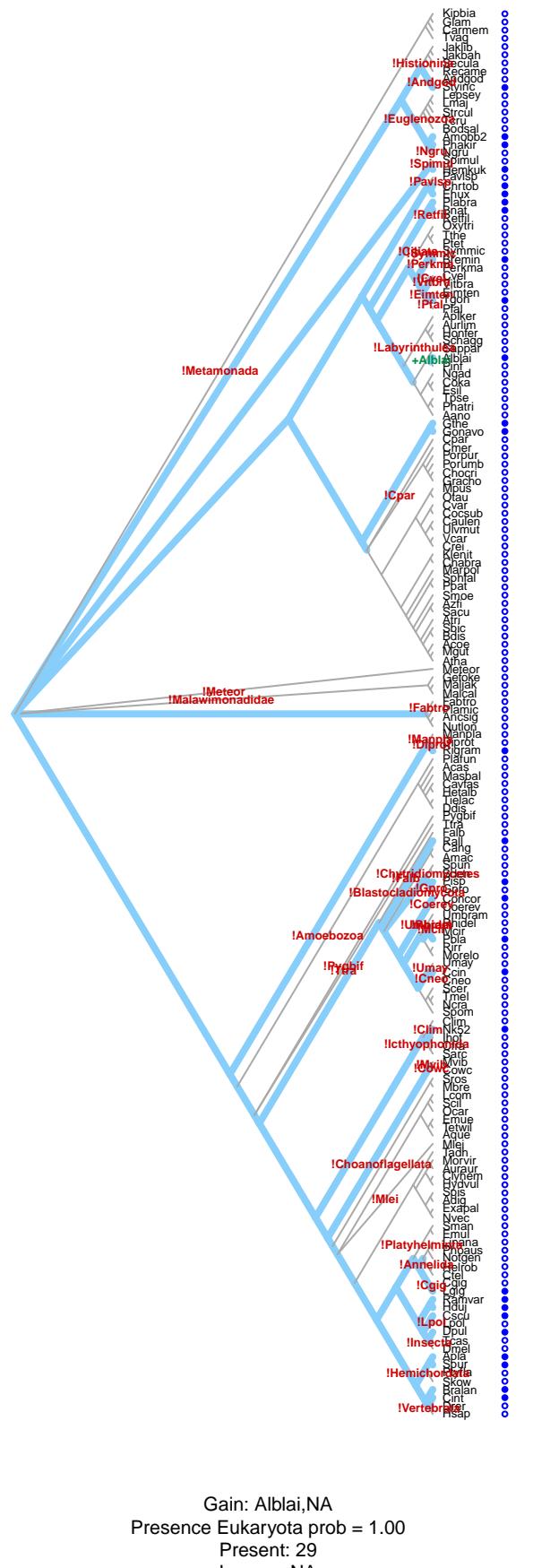
Gain: Drer,Dpul,Lgig,Helrob,Emul,NA

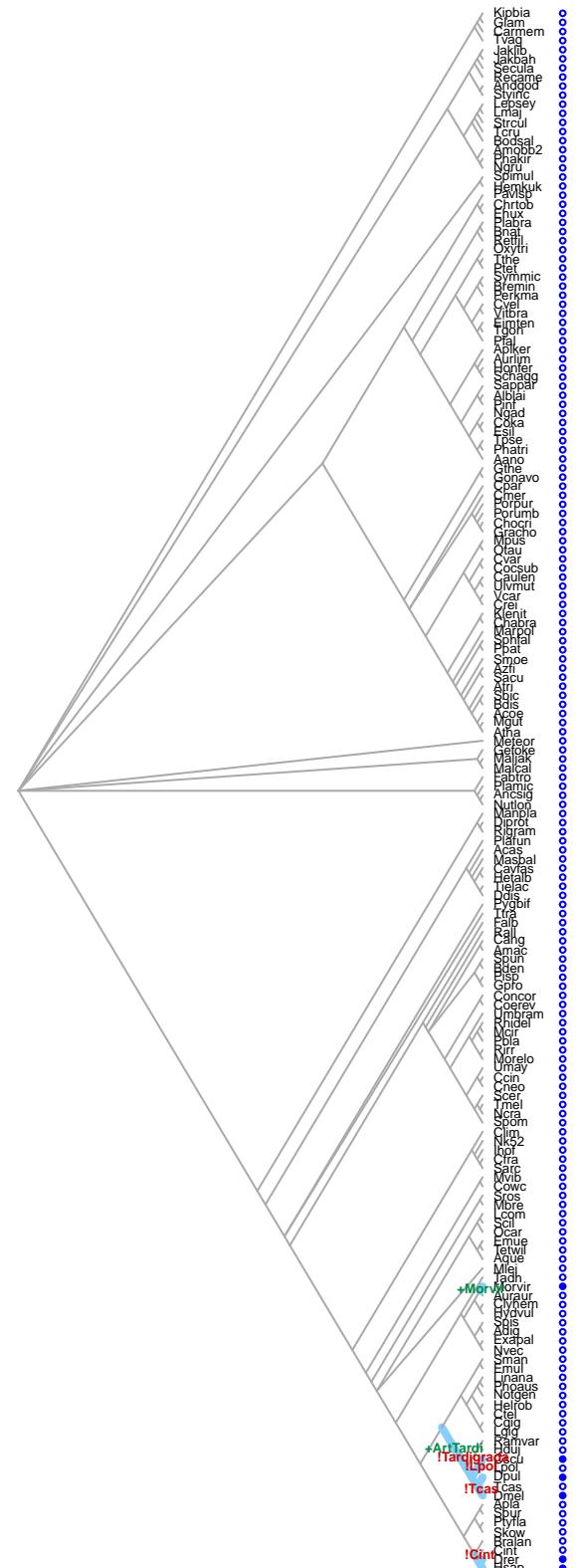
Presence Eukaryota prob = 0.00

Present: 5

Losses: NA





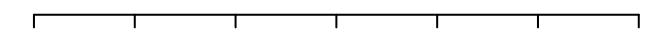
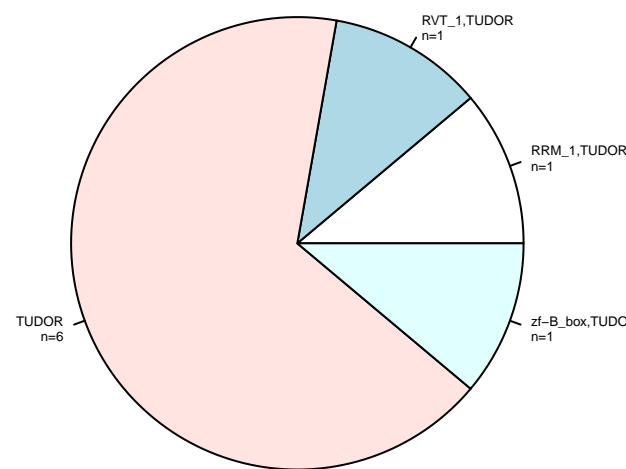


Gain: ArtTardi,Morvir,NA

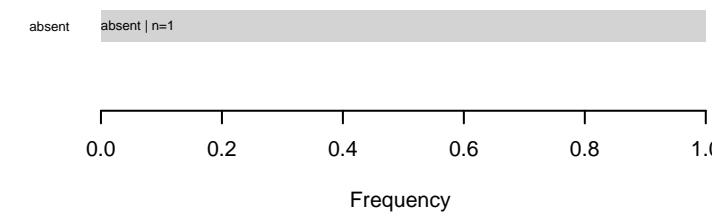
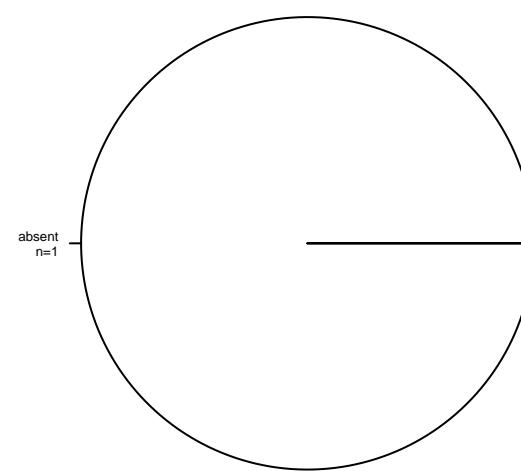
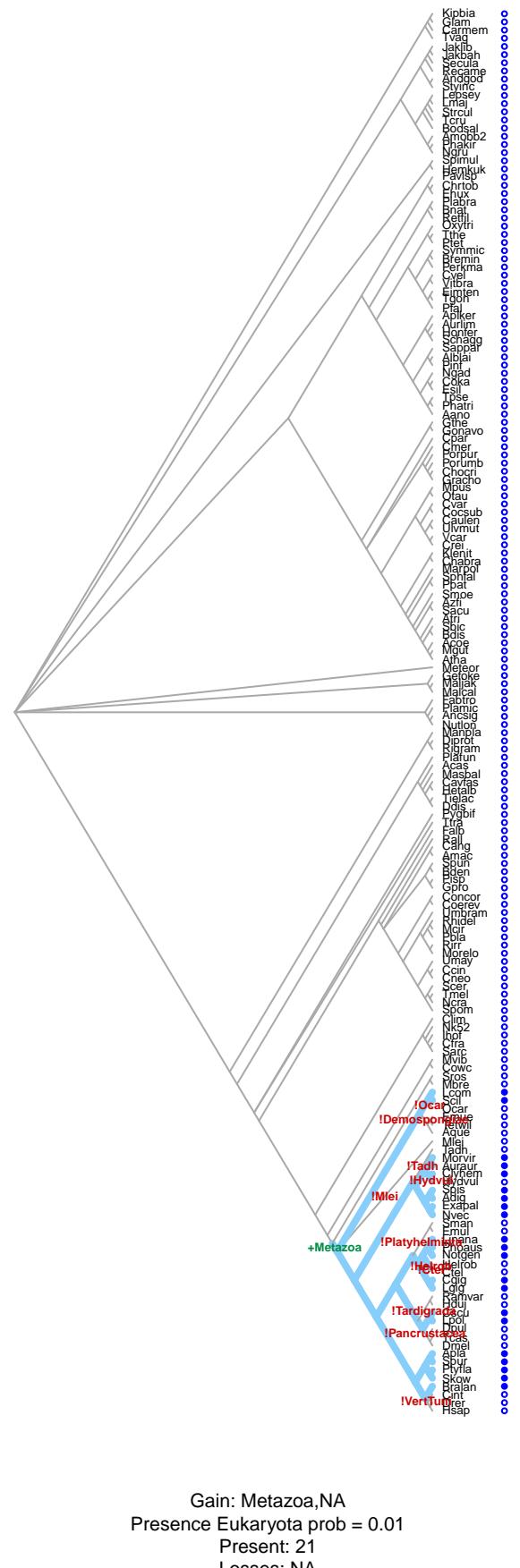
Presence Eukaryota prob = 0.00

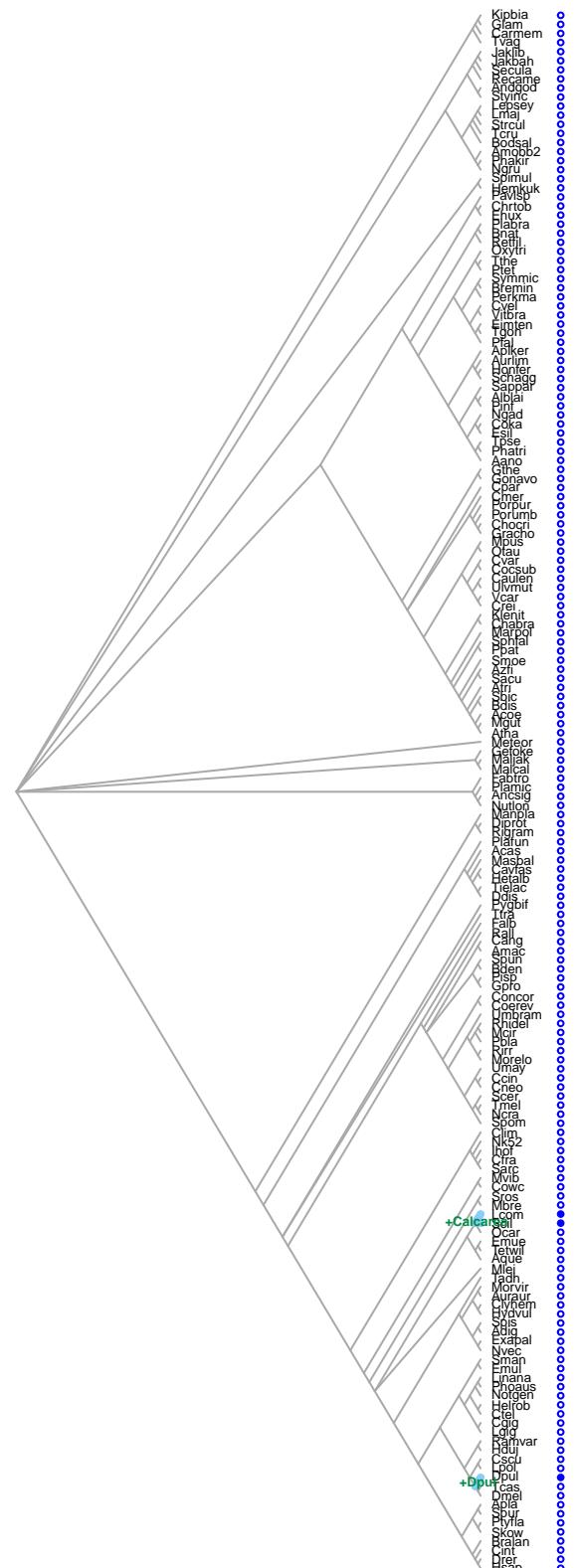
Present: 6

Losses: NA

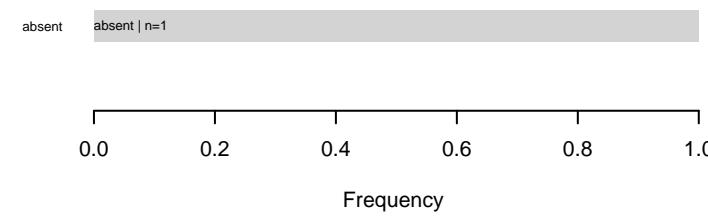
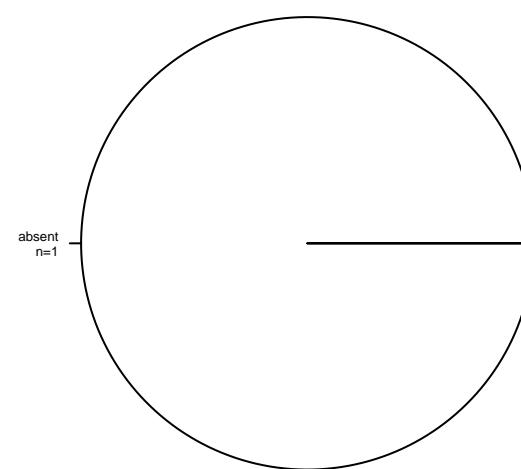


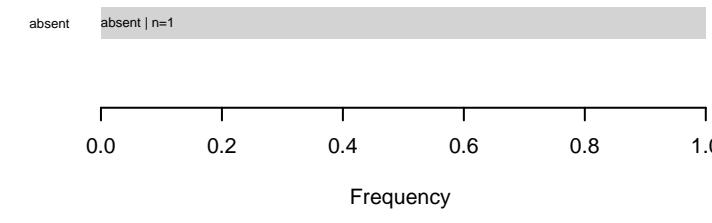
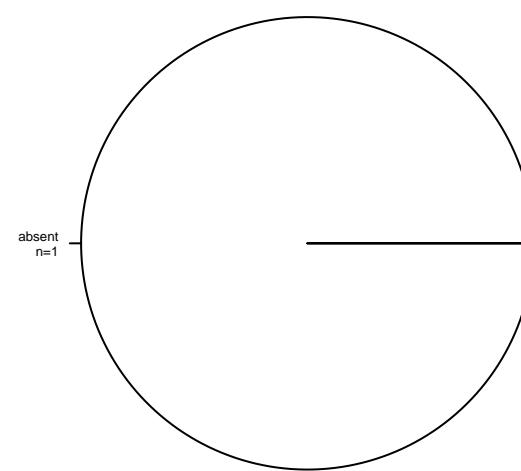
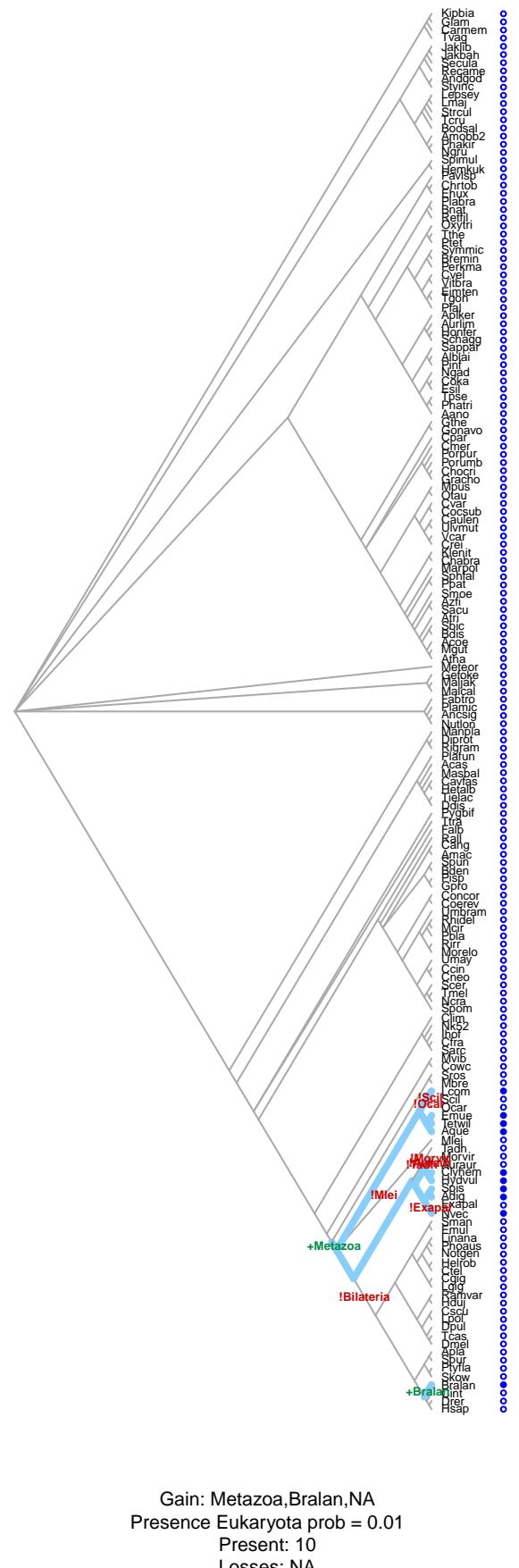
Frequency

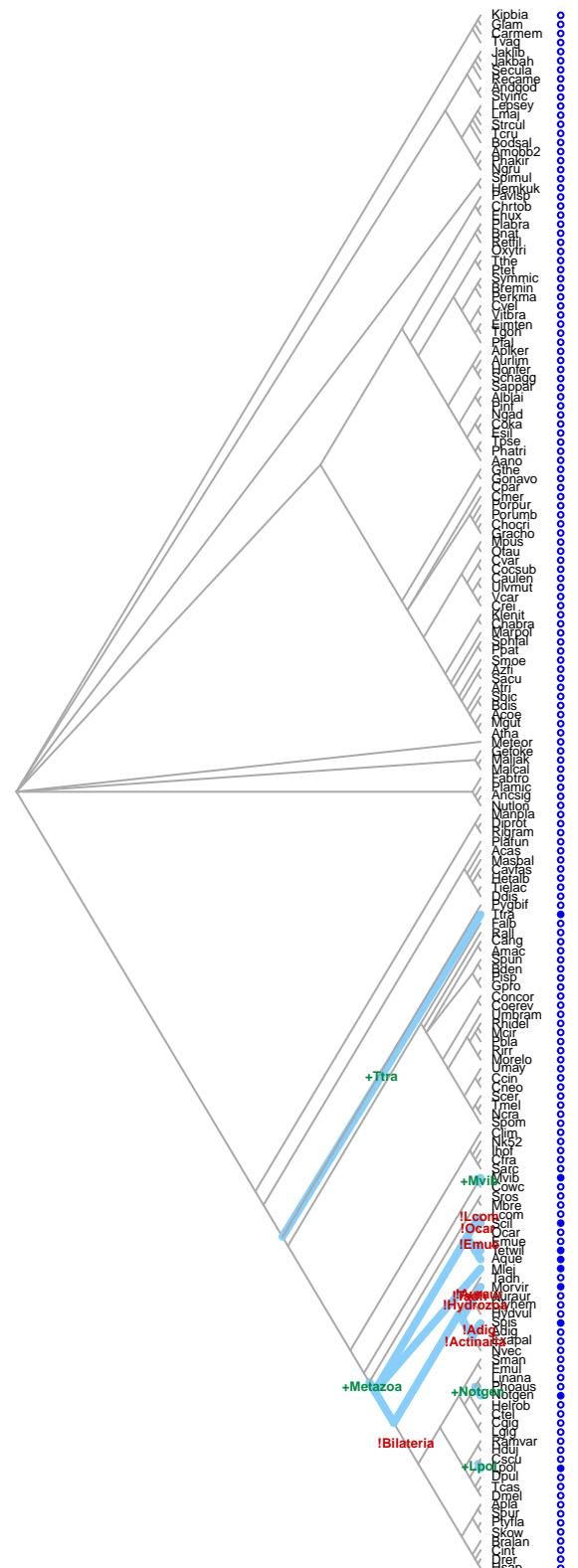




Gain: Dpul,Calcarea,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA





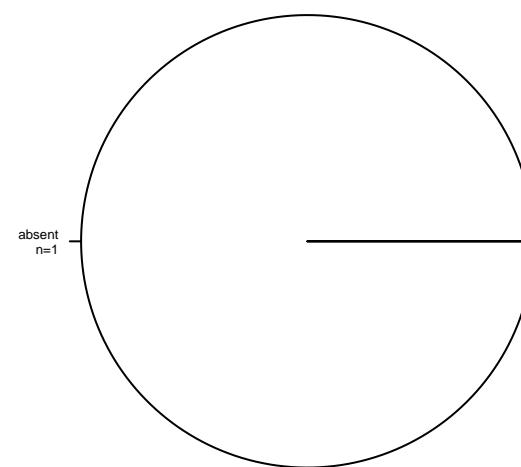


Gain: Metazoa,Lpol,Notgen,Mvib,Ttra,NA

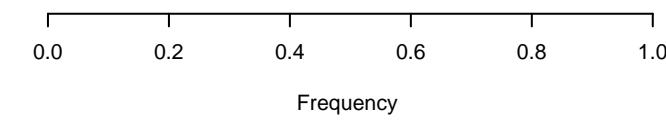
Presence Eukaryota prob = 0.06

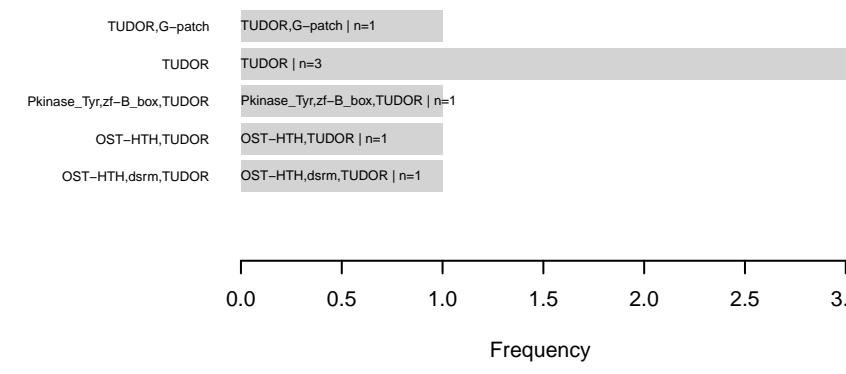
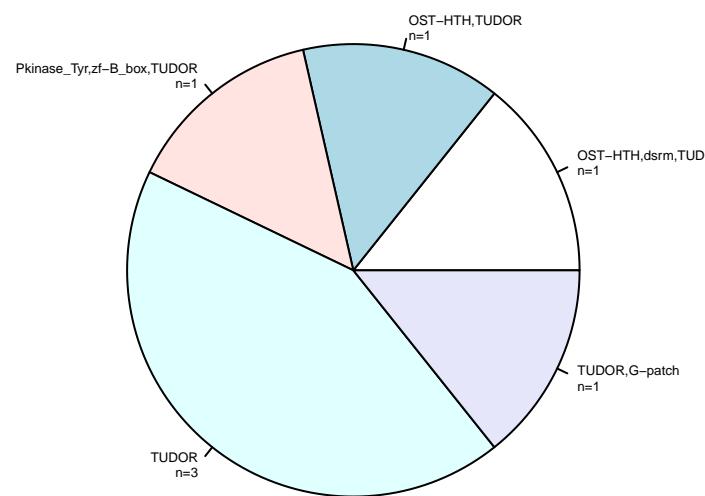
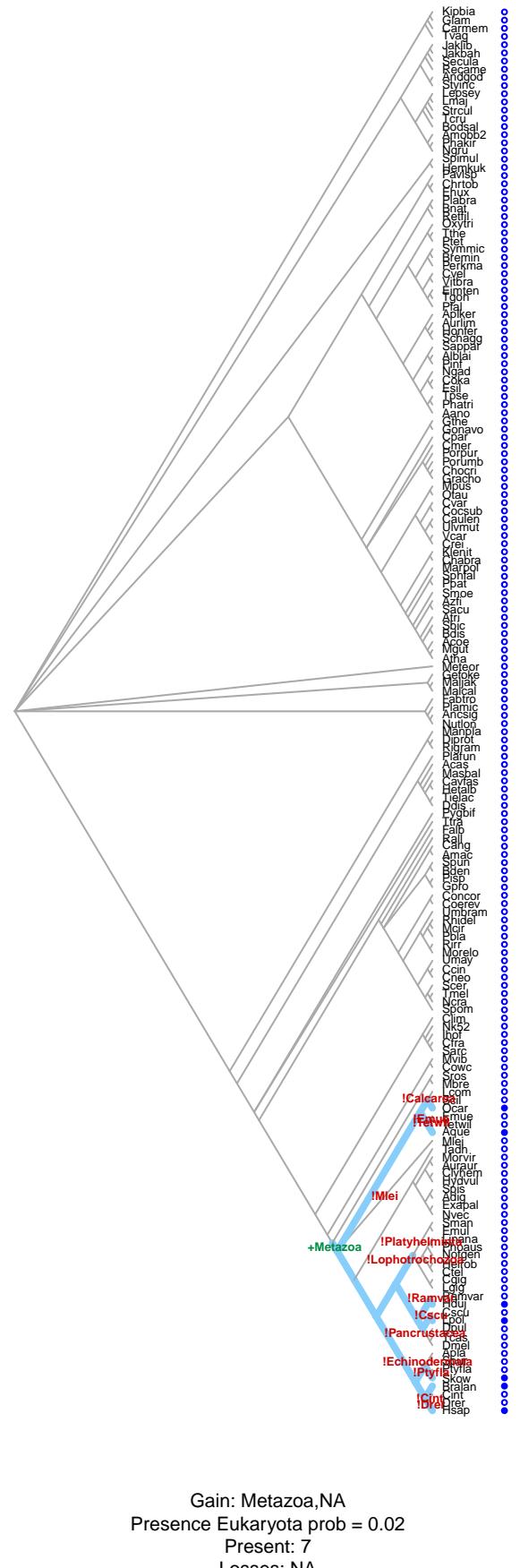
Present: 10

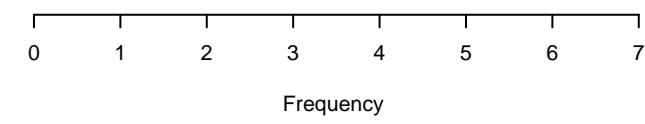
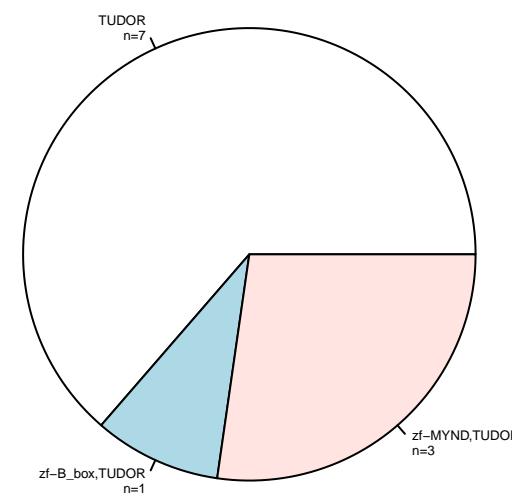
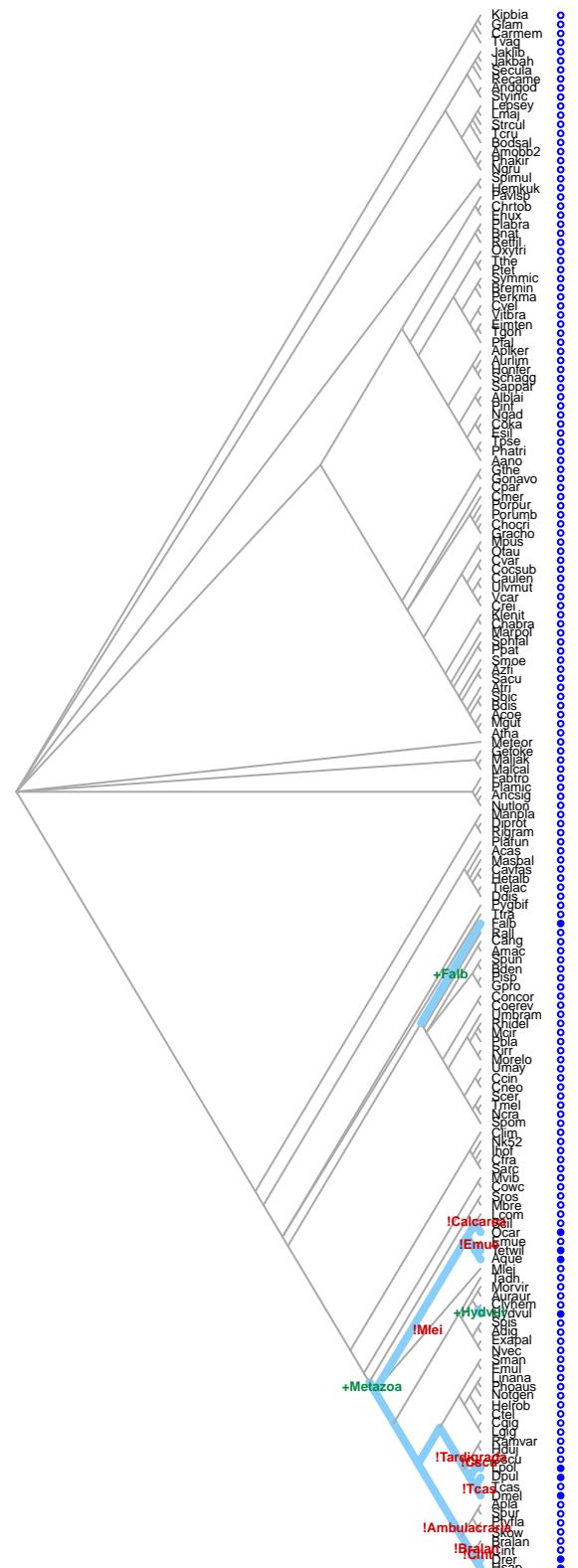
Losses: NA

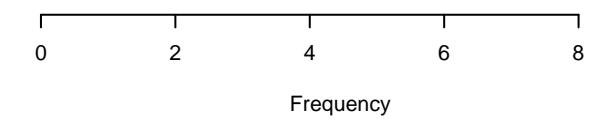
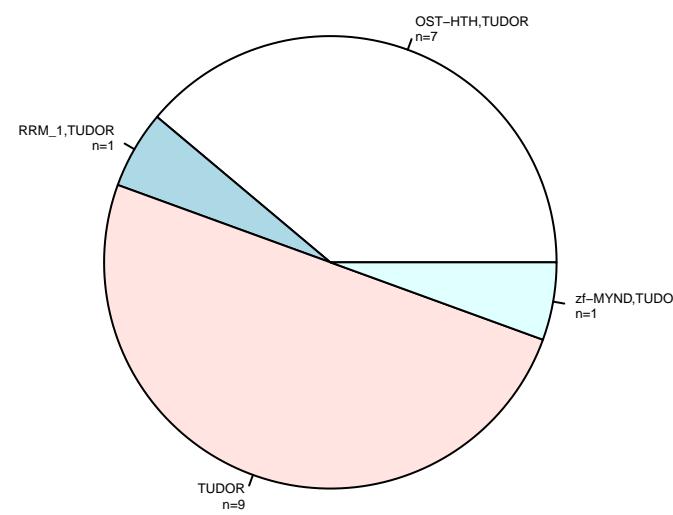
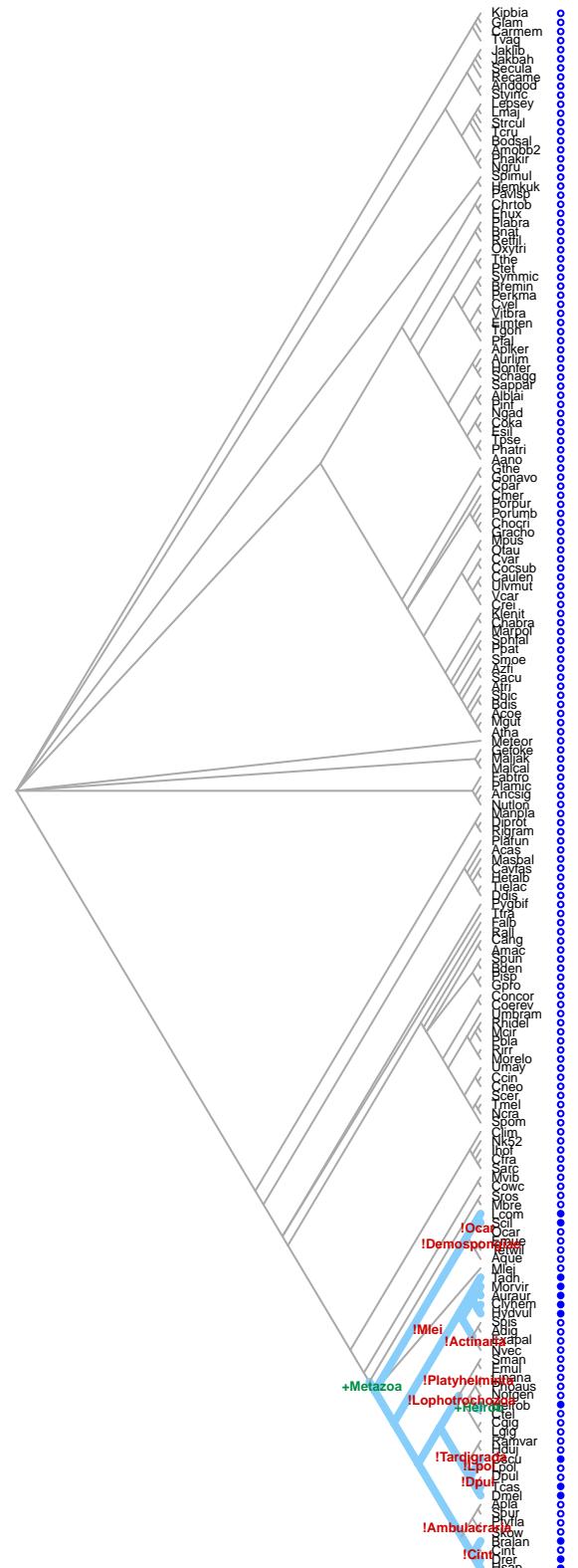


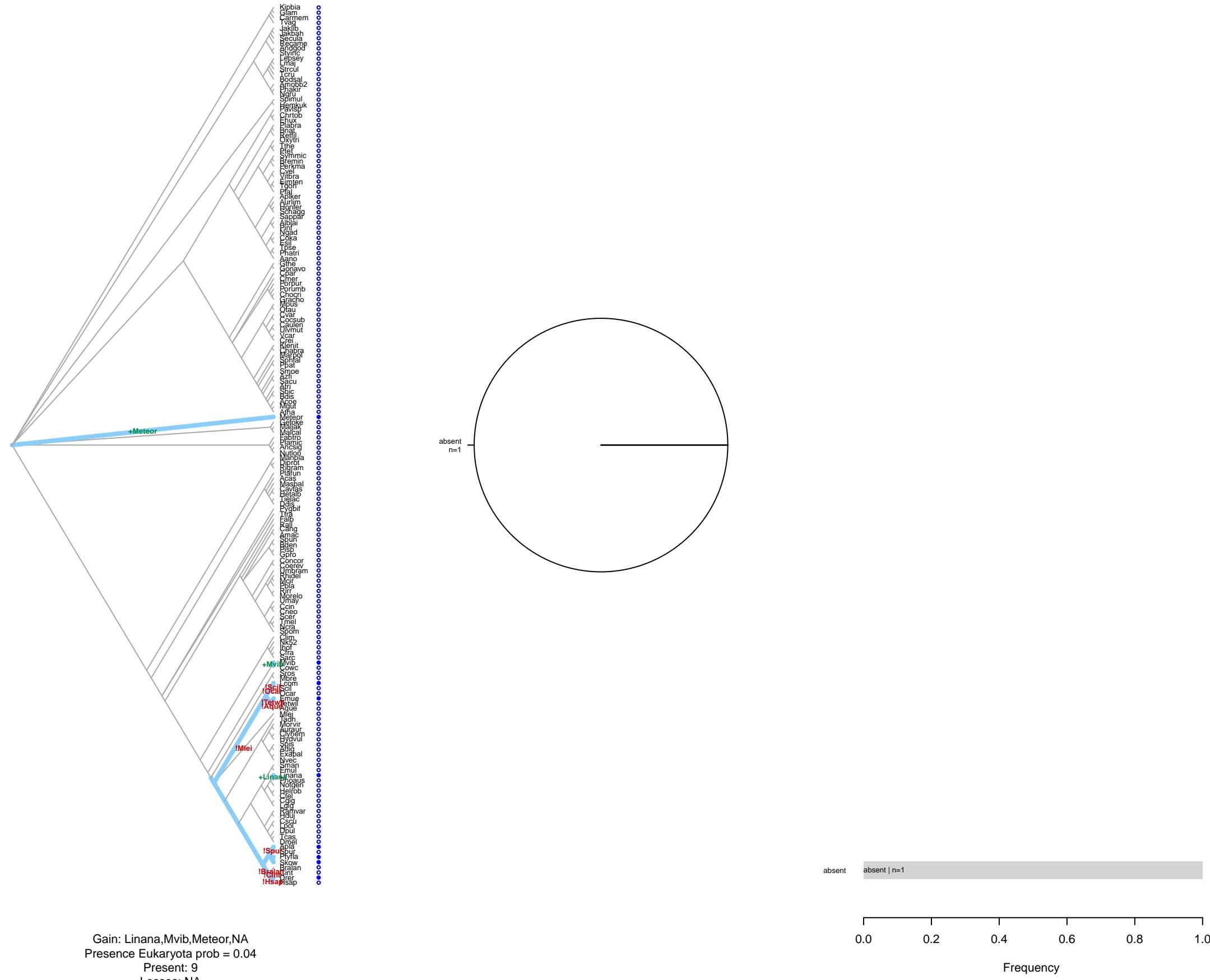
absent absent | n=1

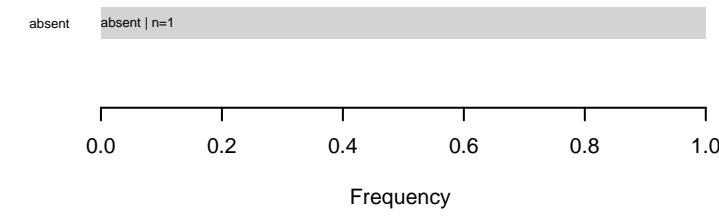
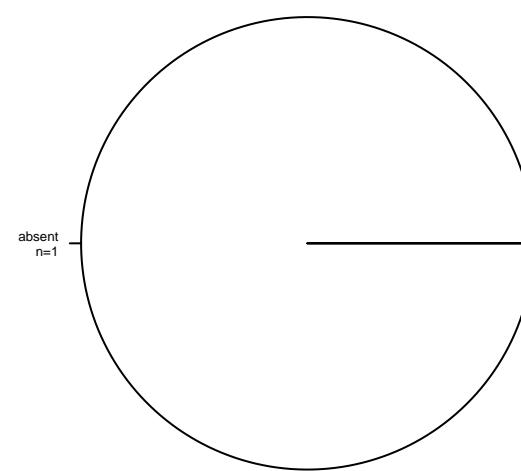
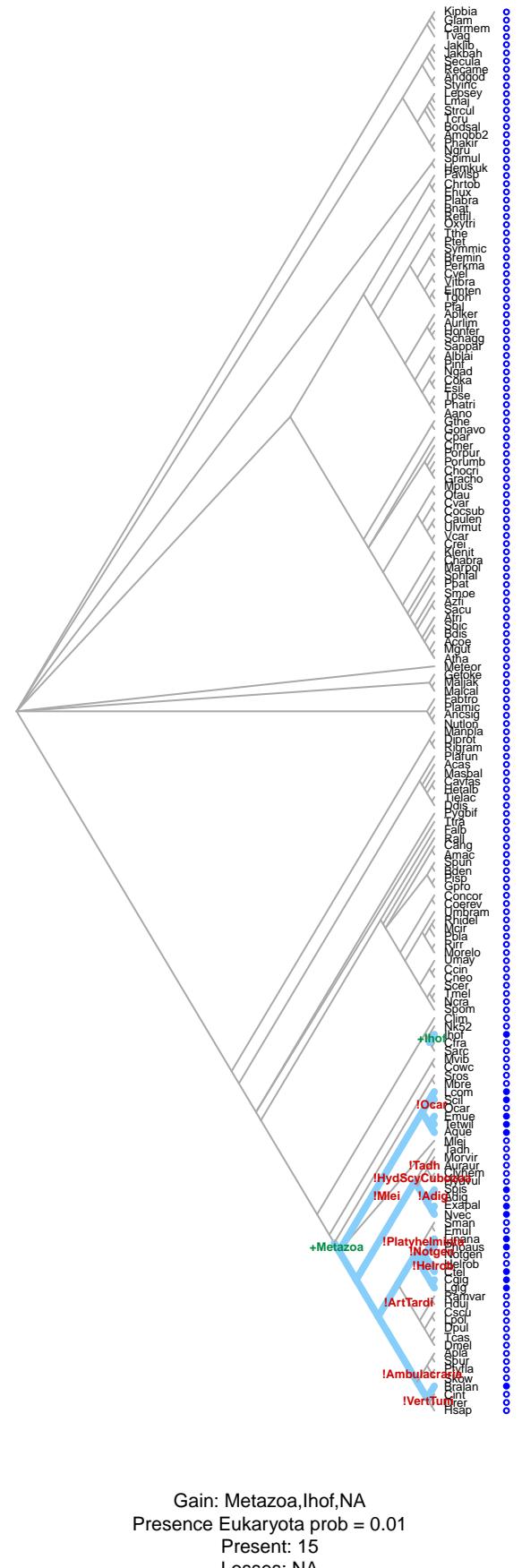


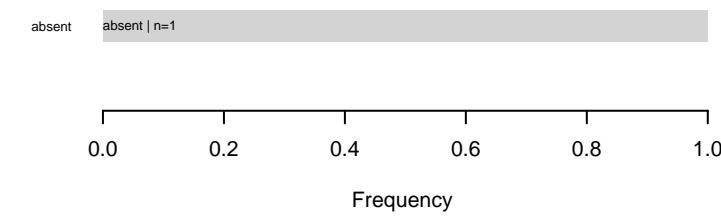
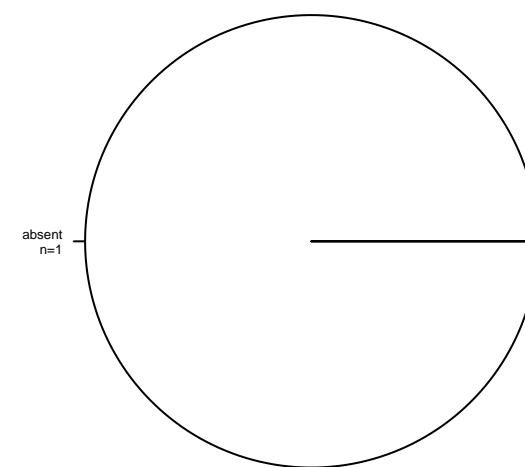
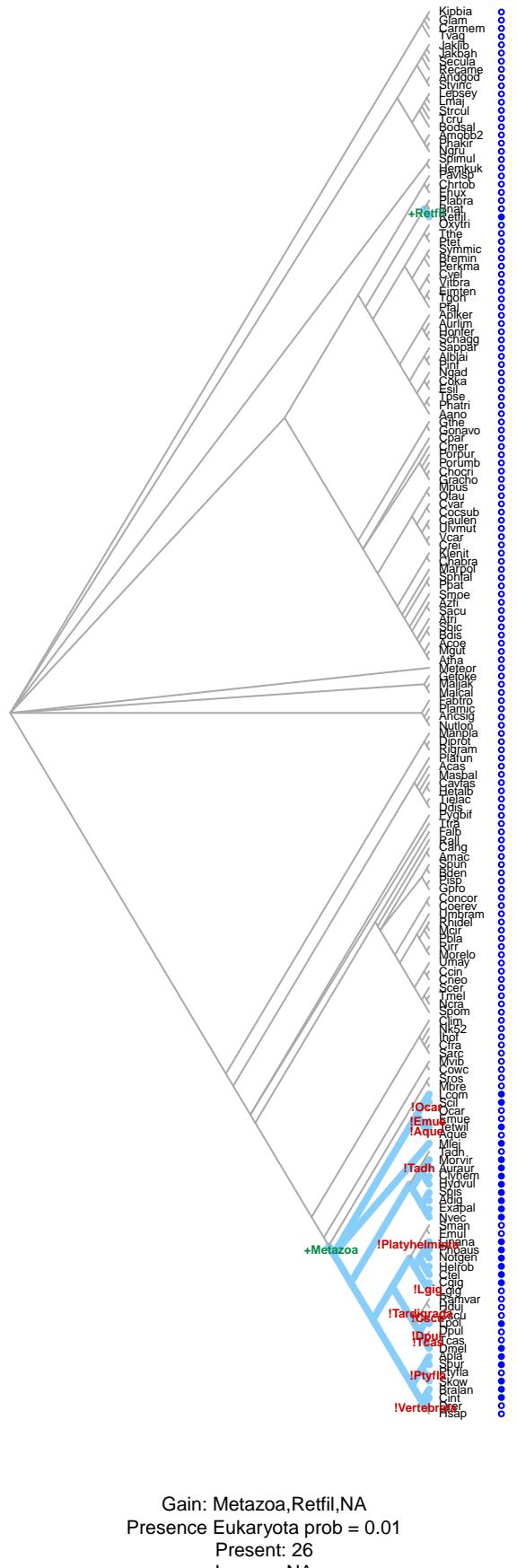


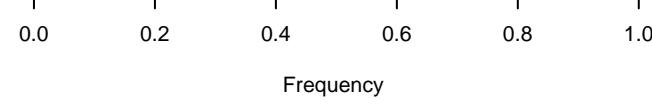
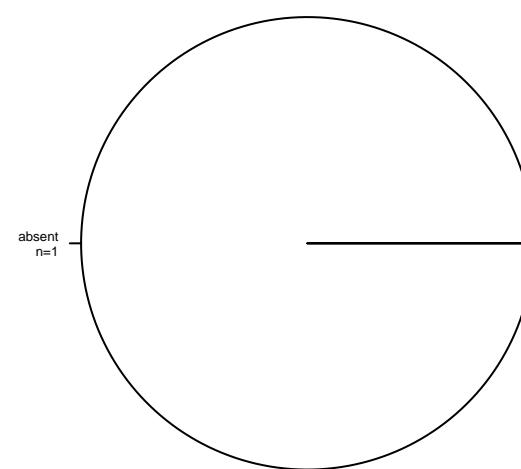
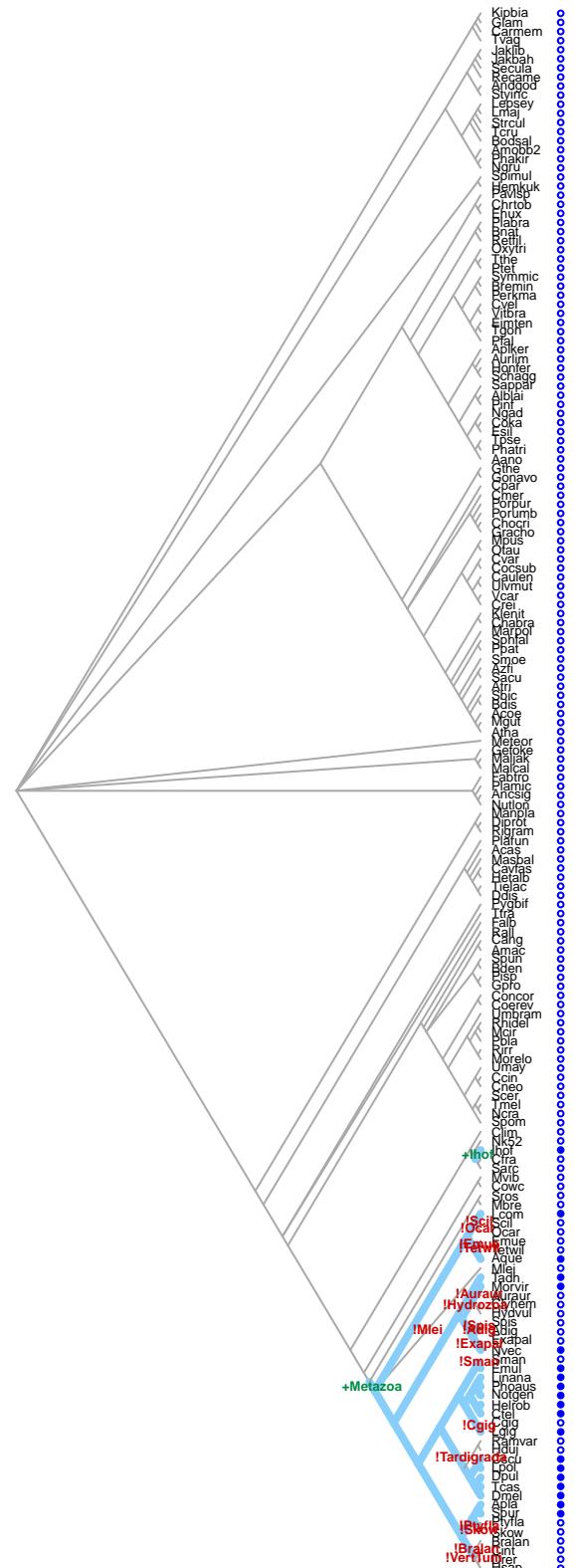


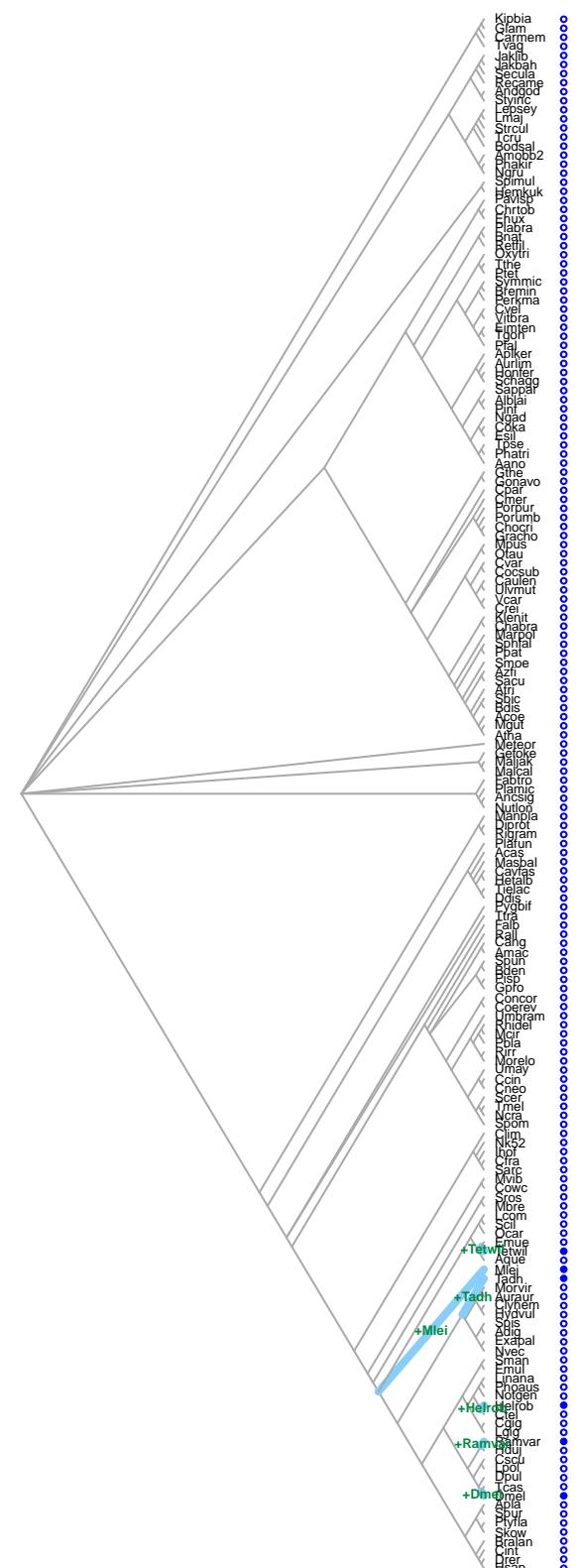










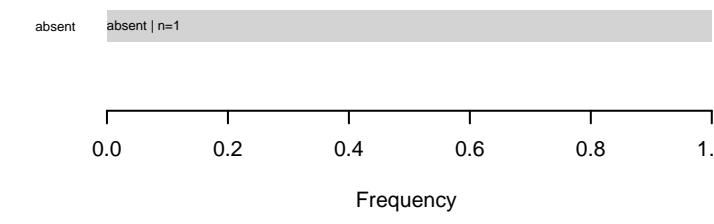
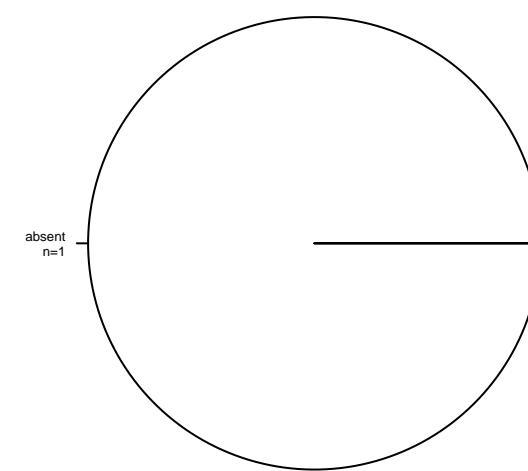


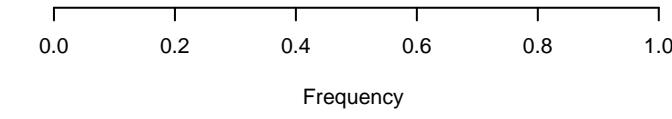
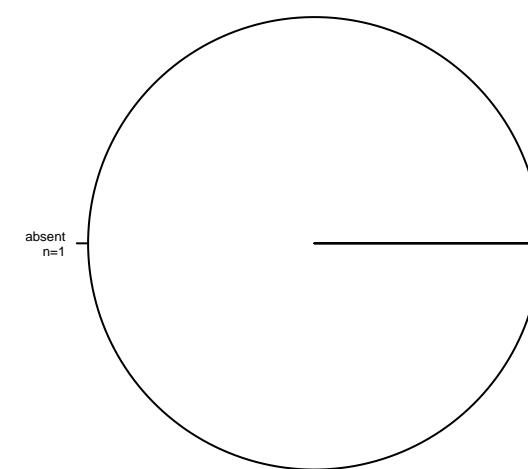
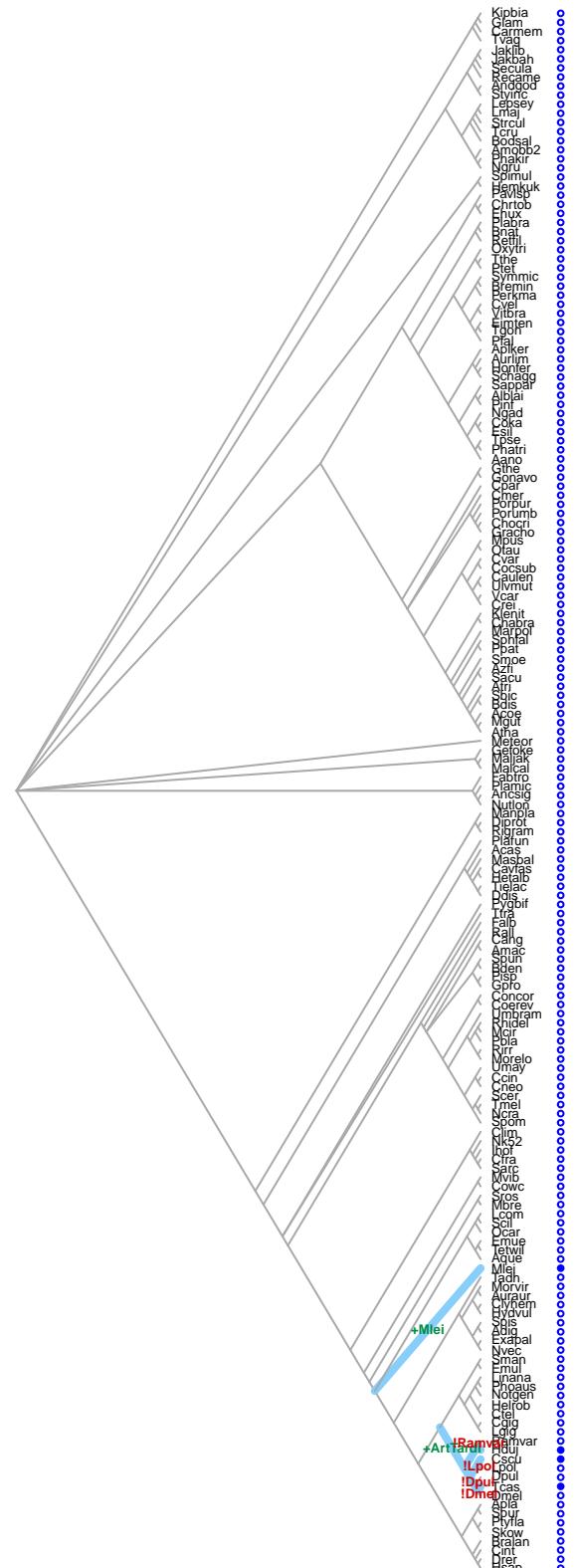
Gain: Dmel,Ramvar,Helrob,Tadh,Mlei,Tetwil,NA

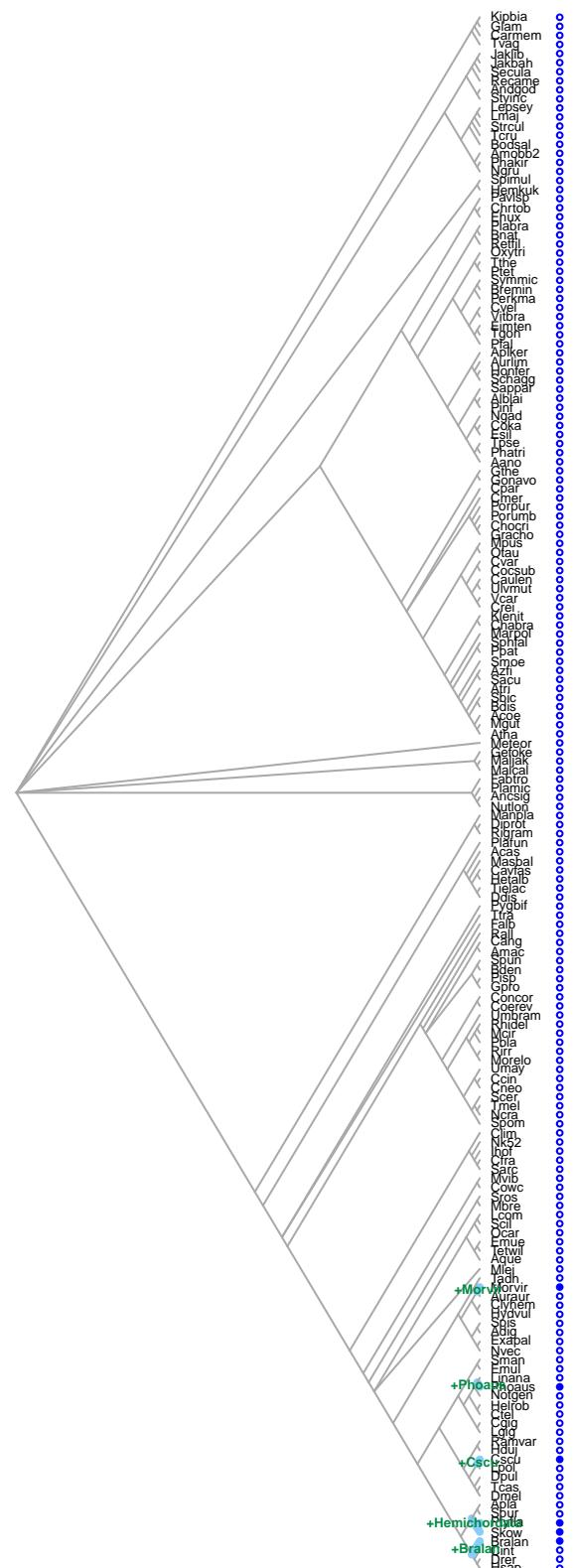
Presence Eukaryota prob = 0.00

Present: 6

Losses: NA





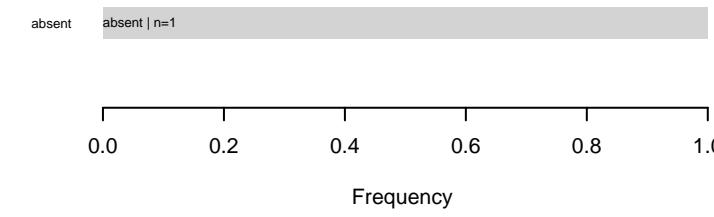
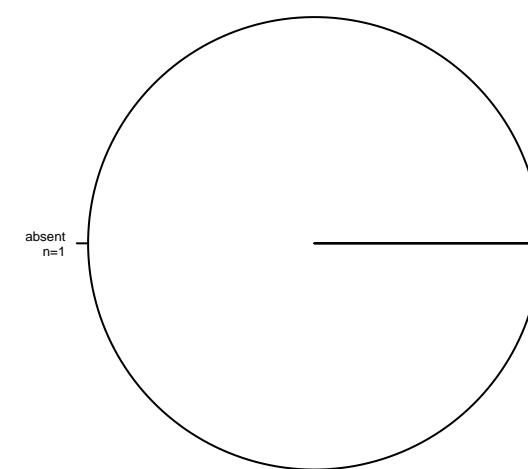


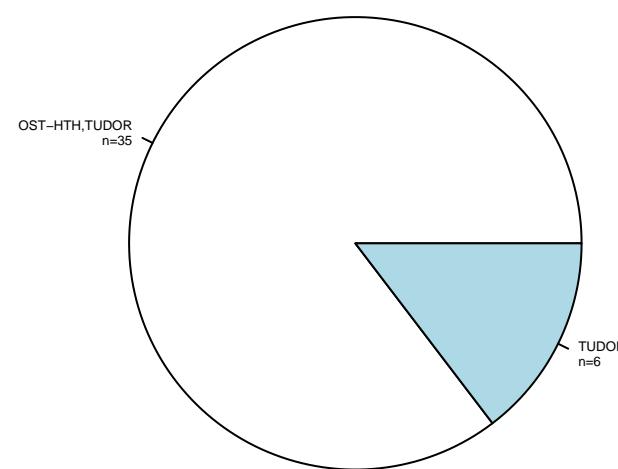
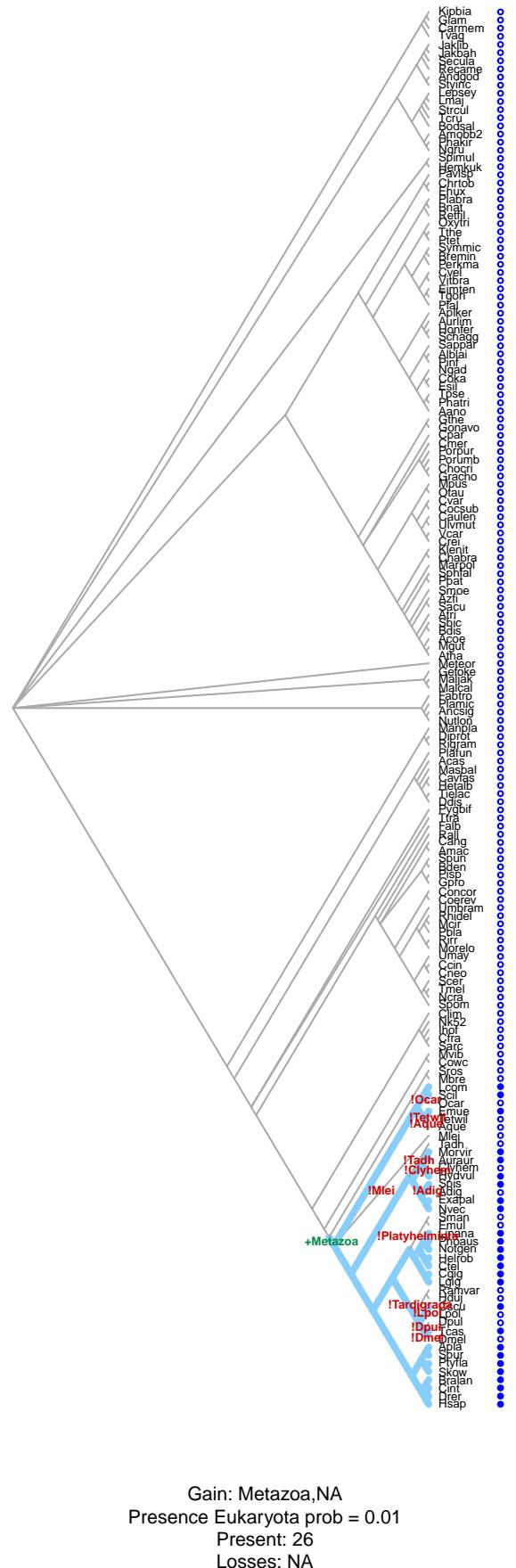
Gain: Bralan,Hemicordata,Cscu,Phoaus,Morvir,NA

Presence Eukaryota prob = 0.00

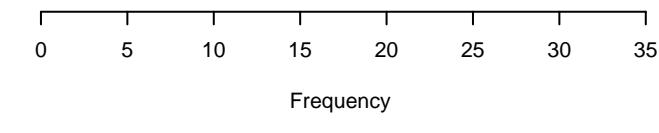
Present: 6

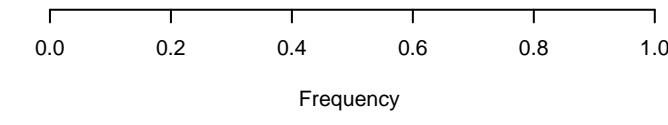
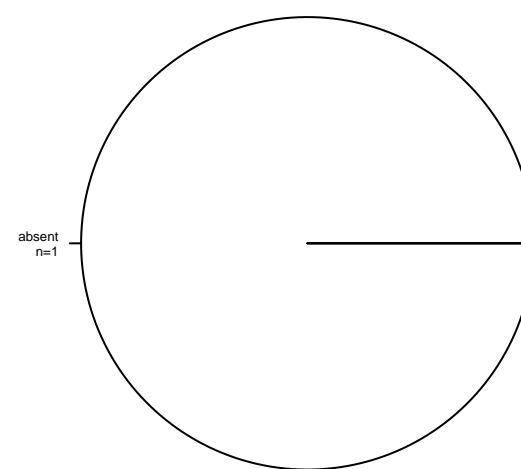
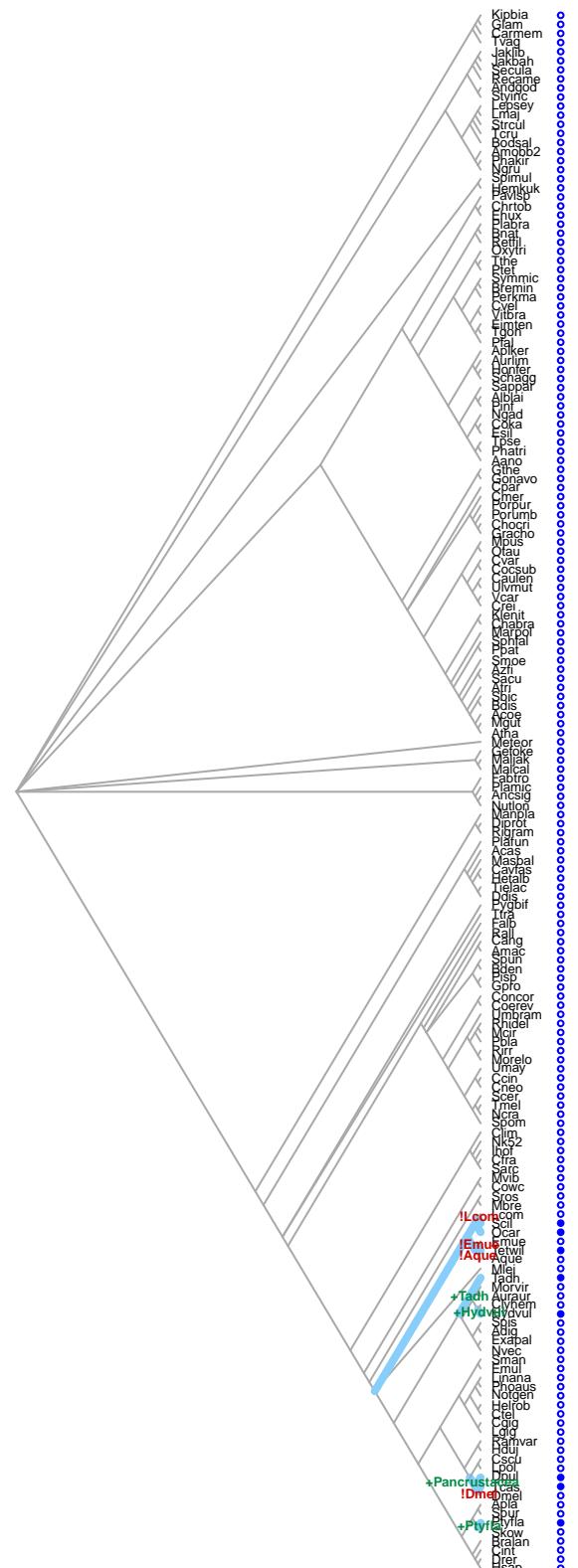
Losses: NA

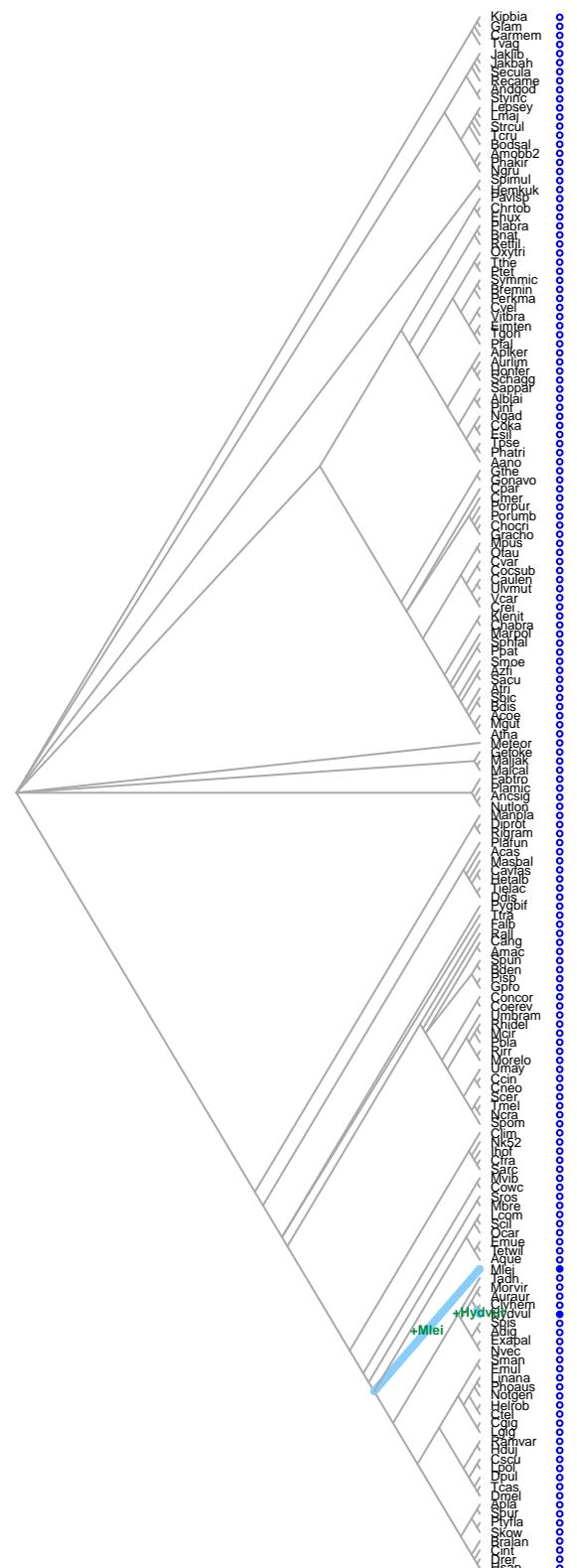




TUDOR	TUDOR n=6
OST-HTH,TUDOR	OST-HTH,TUDOR n=35





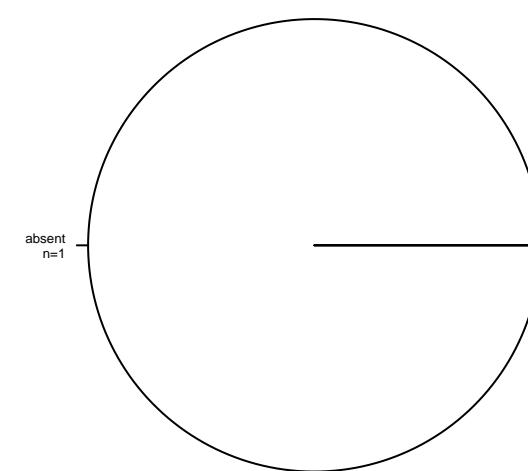


Gain: Hydvul,Mlei,NA

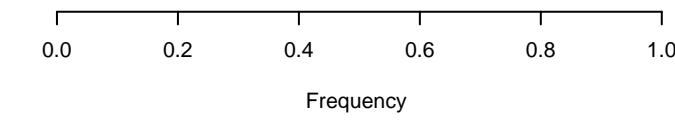
Presence Eukaryota prob = 0.00

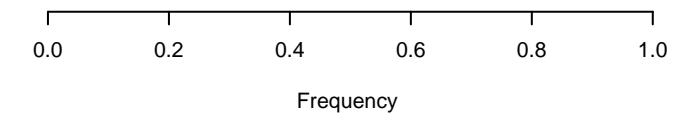
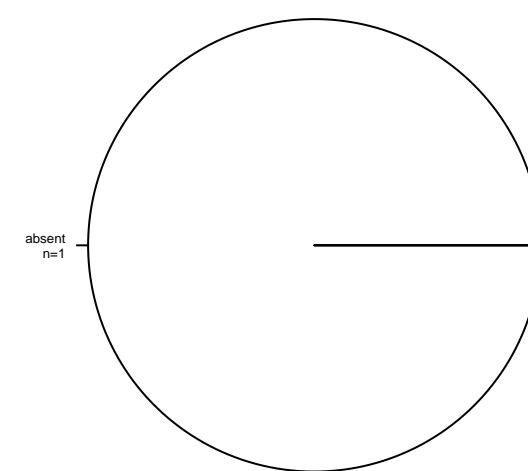
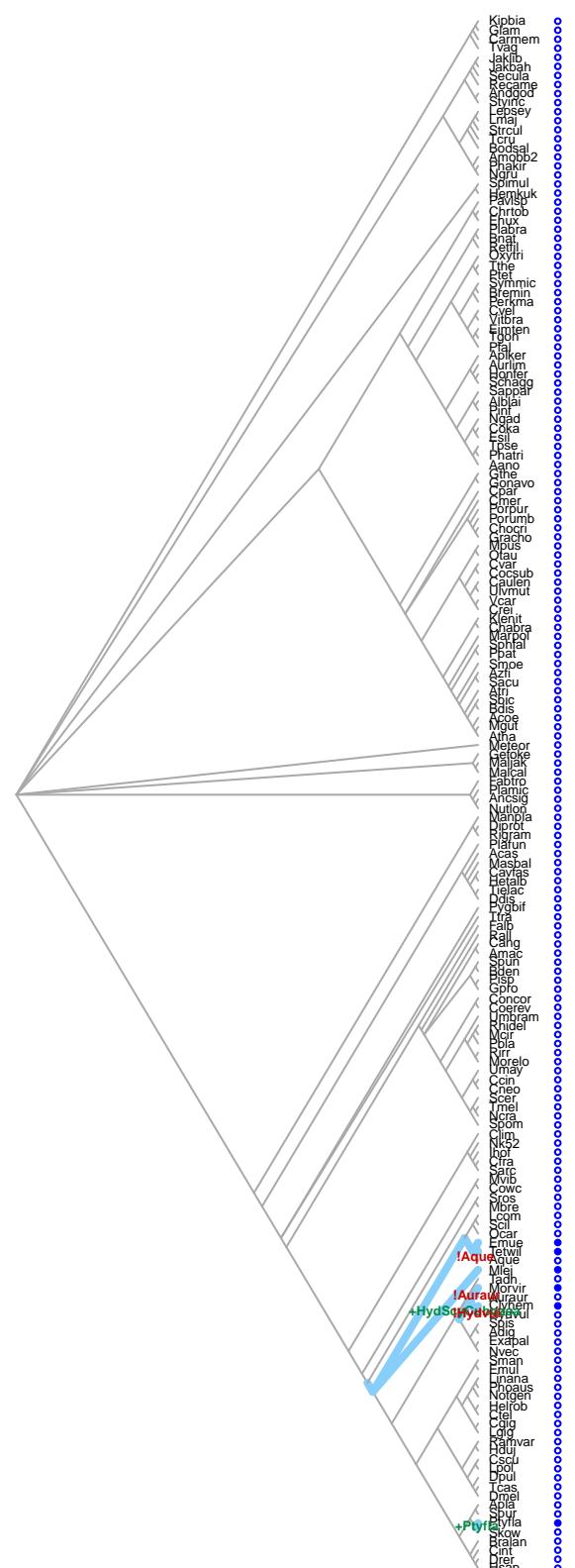
Present: 2

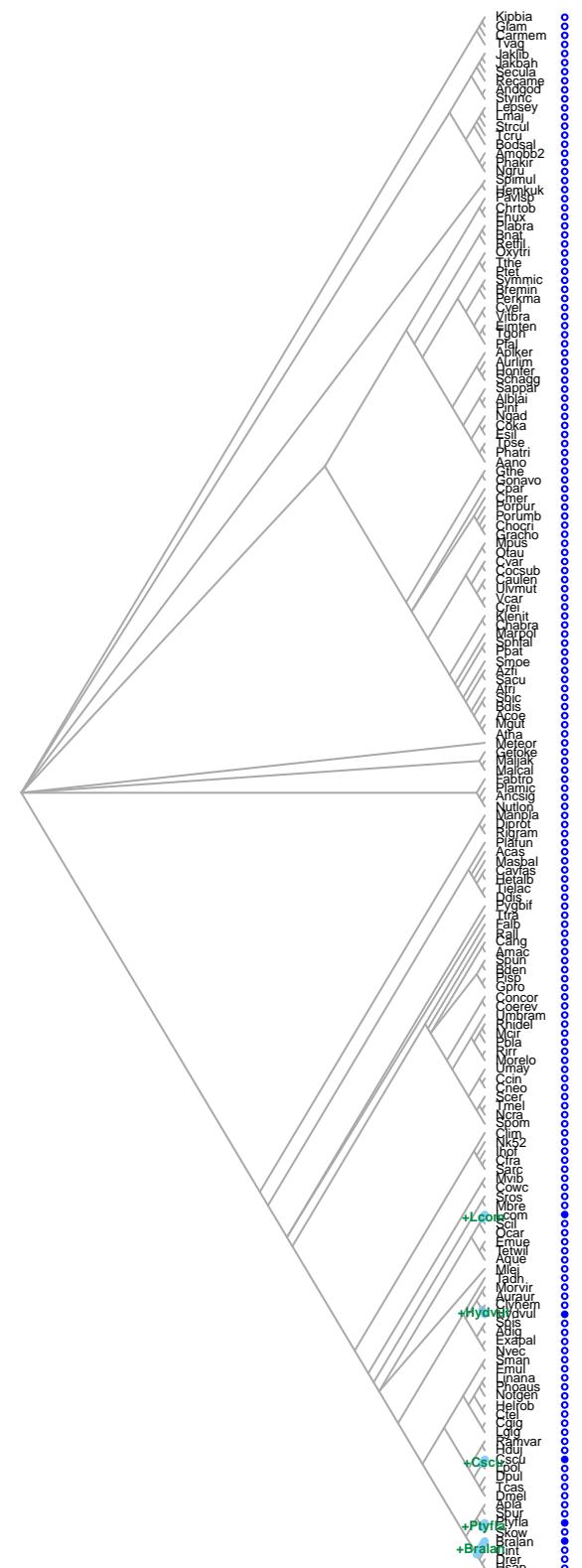
Losses: NA



absent | n=1





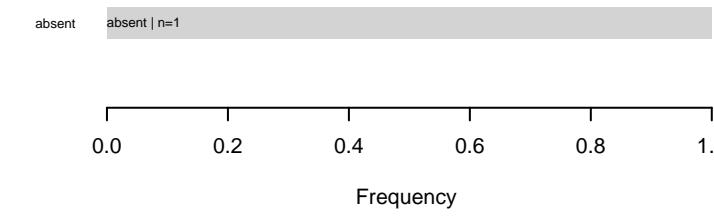
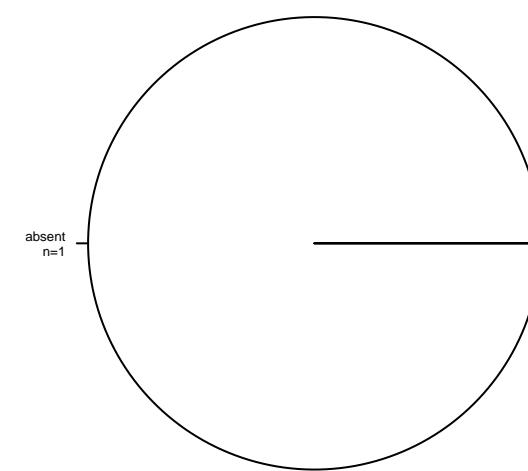


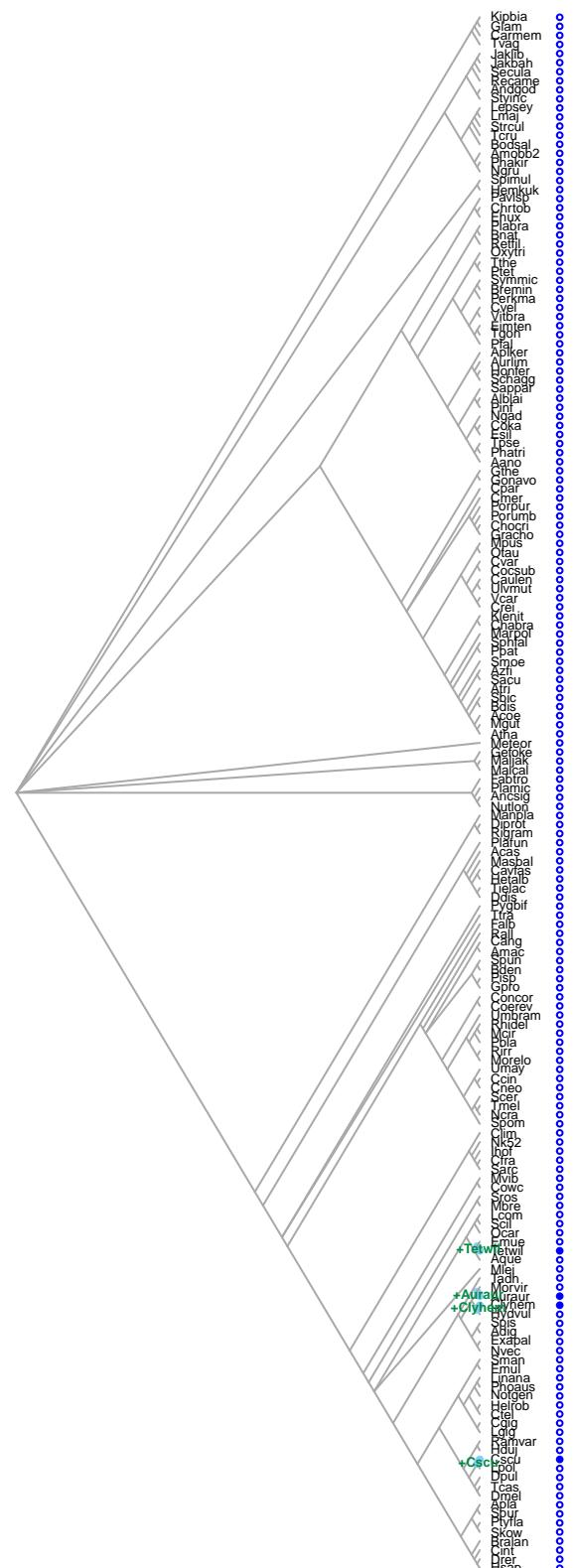
Gain: Bralan,Ptyfla,Cscu,Hydvul,Lcom,NA

Presence Eukaryota prob = 0.00

Present: 5

Losses: NA



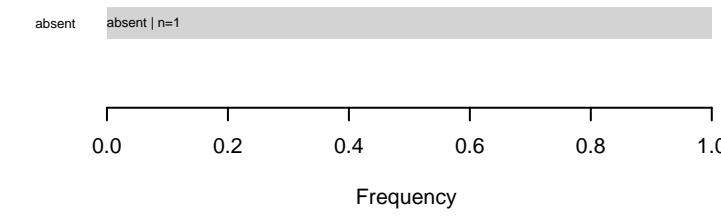
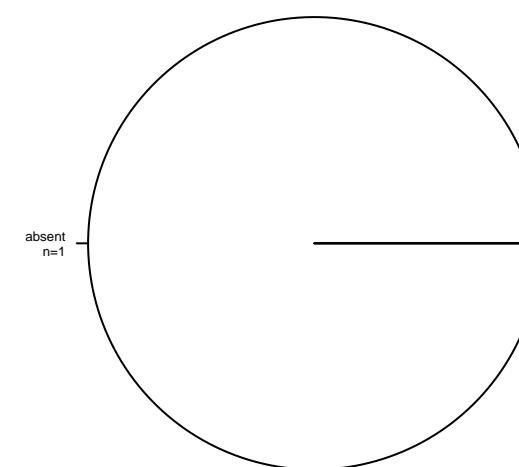


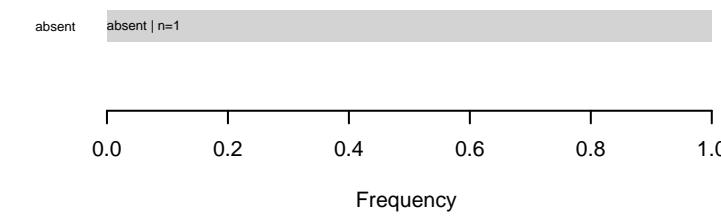
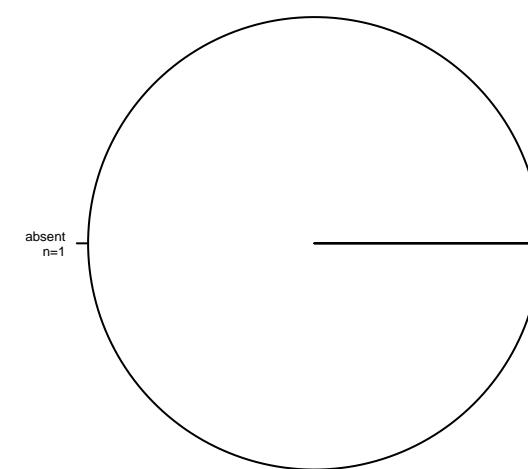
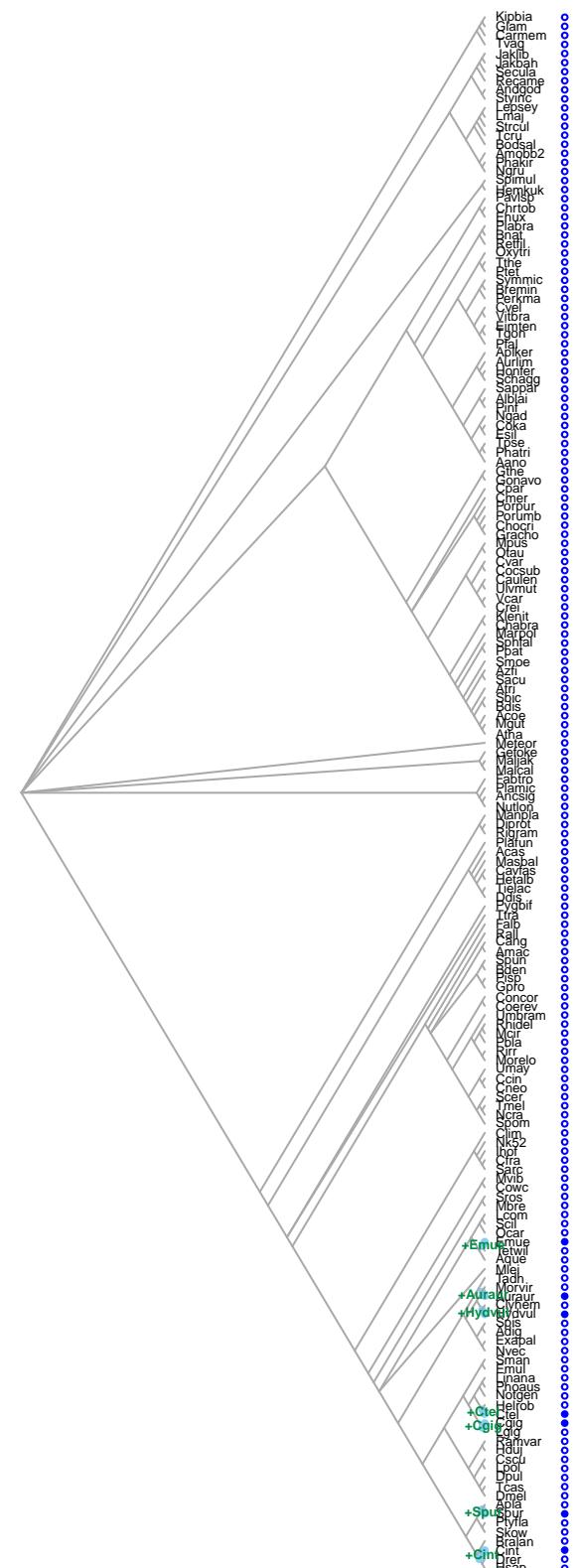
Gain: Cscu,Clyhem,Auraur,Tetwil,NA

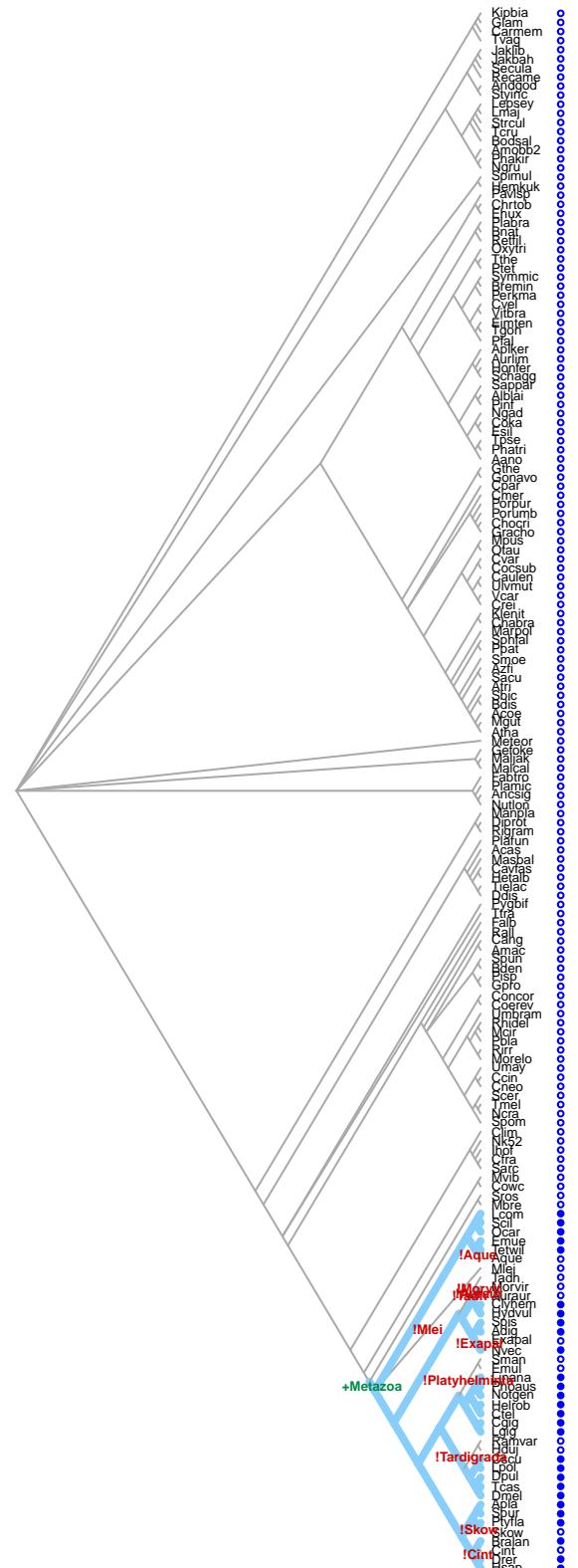
Presence Eukaryota prob = 0.00

Present: 4

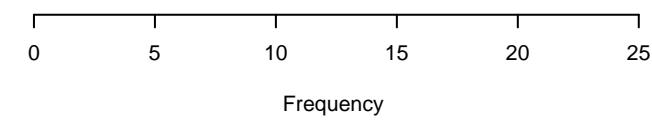
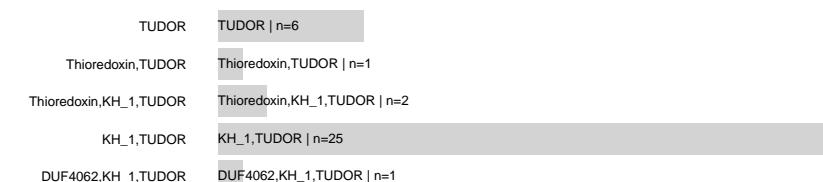
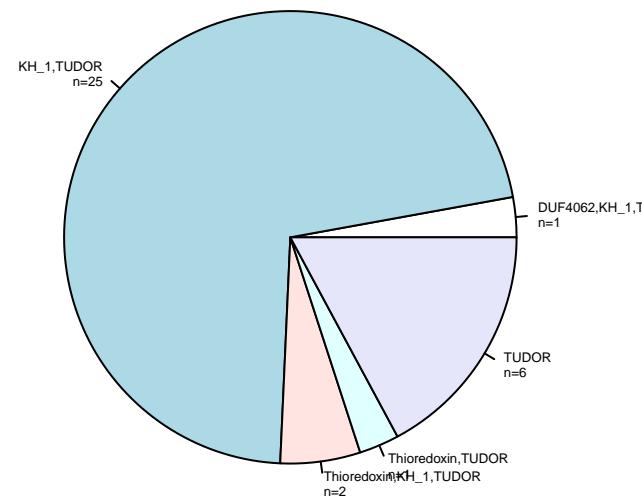
Losses: NA

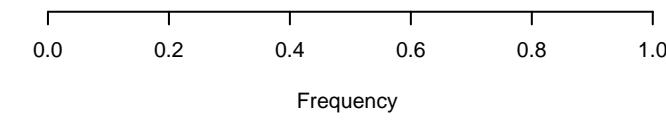
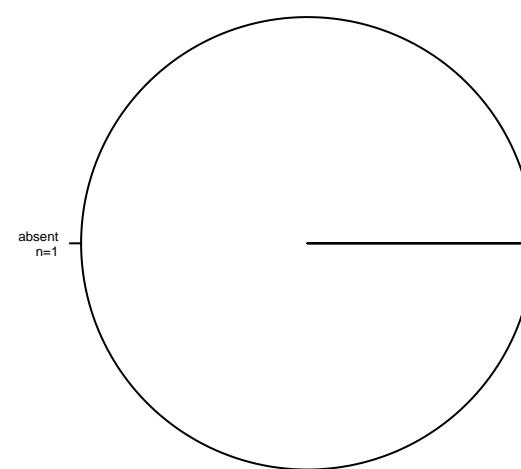
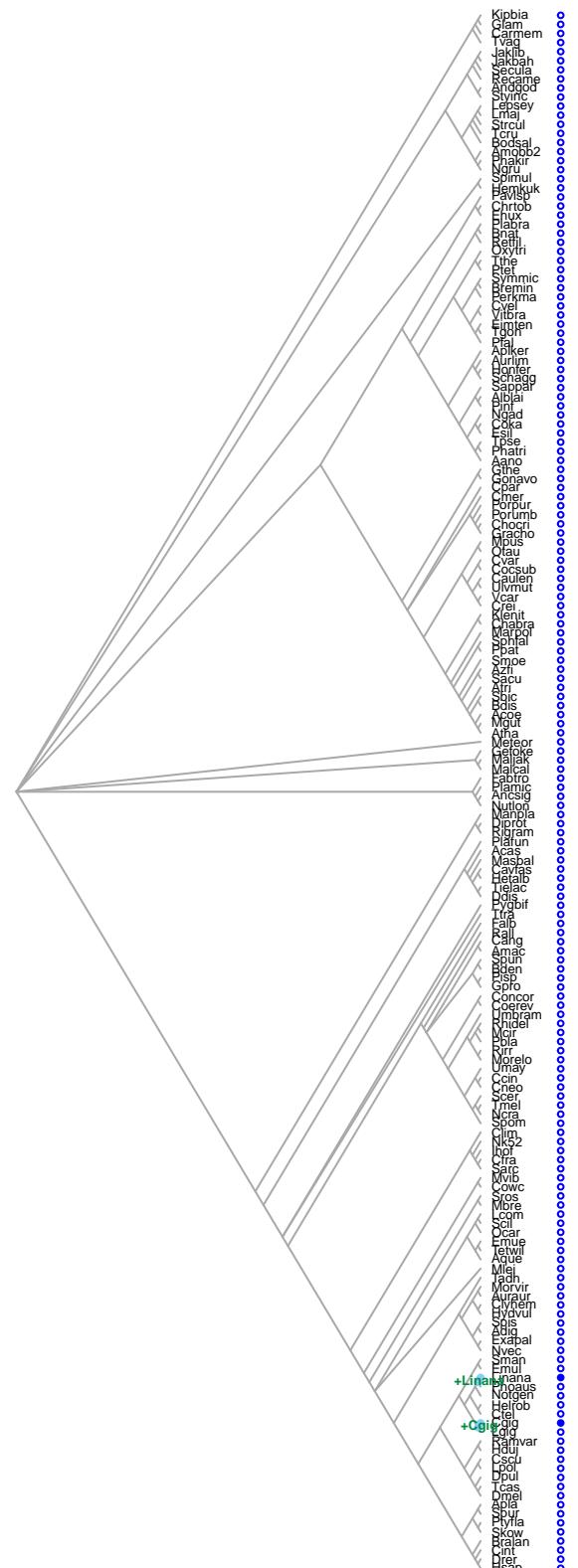


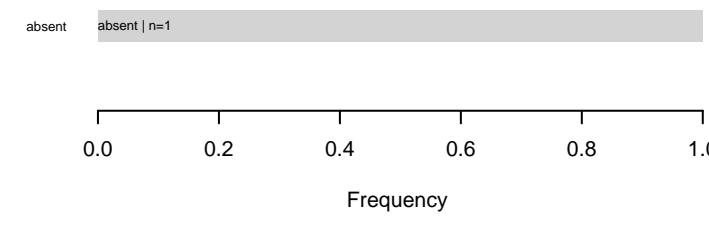
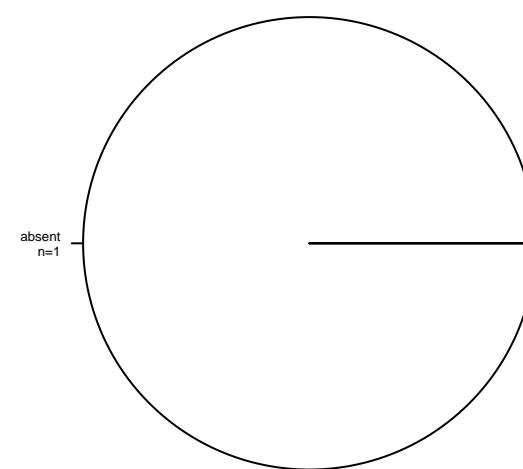
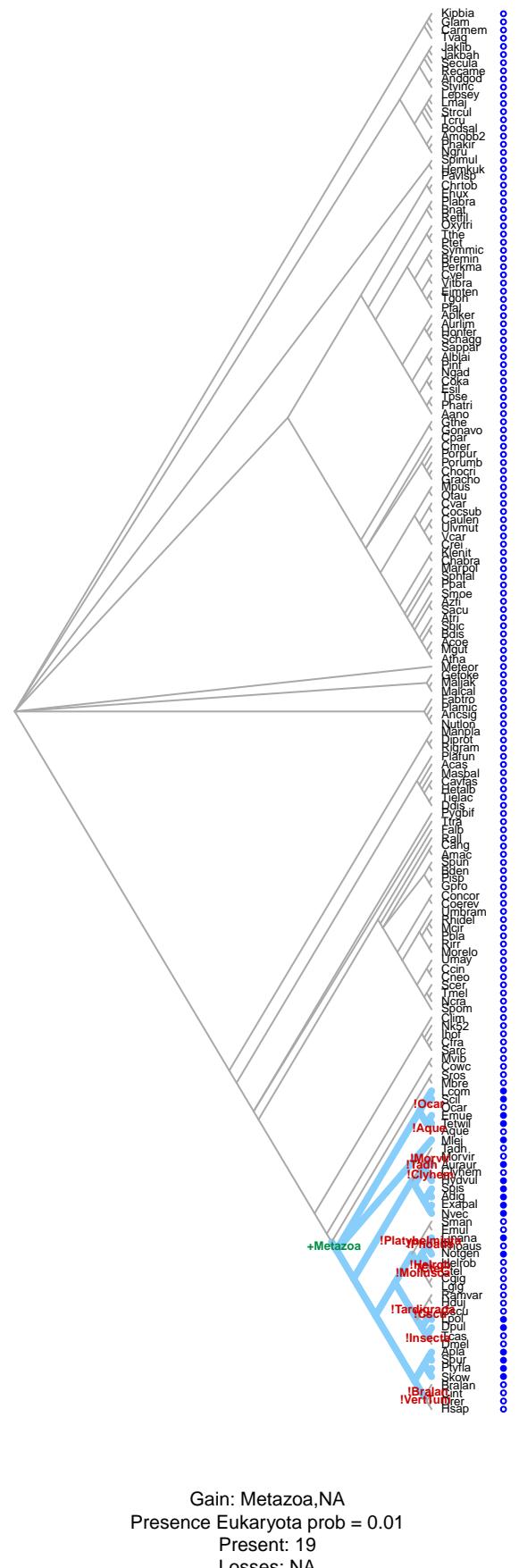




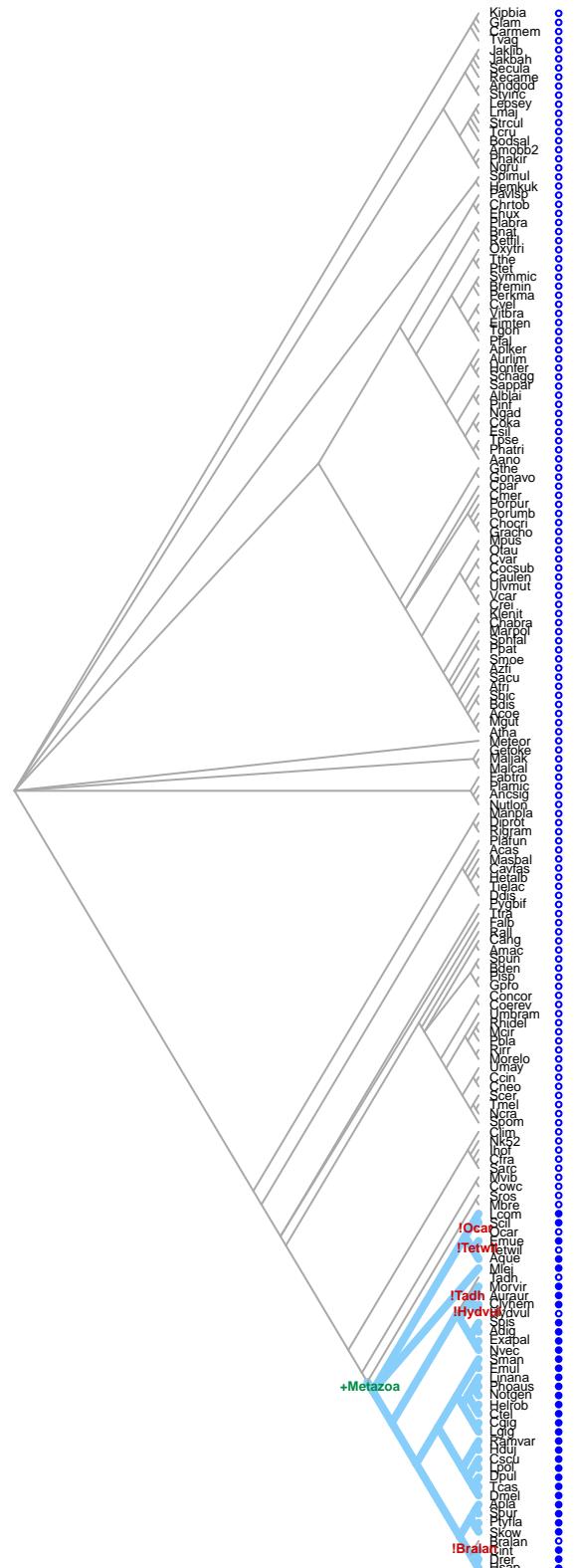
Gain: Metazoa,NA
Presence Eukaryota prob = 0.01
Present: 28
Losses: NA



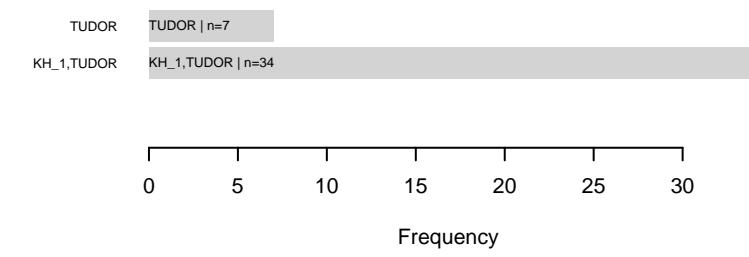
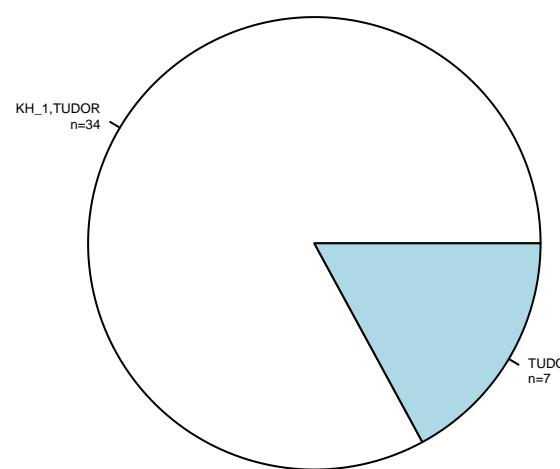


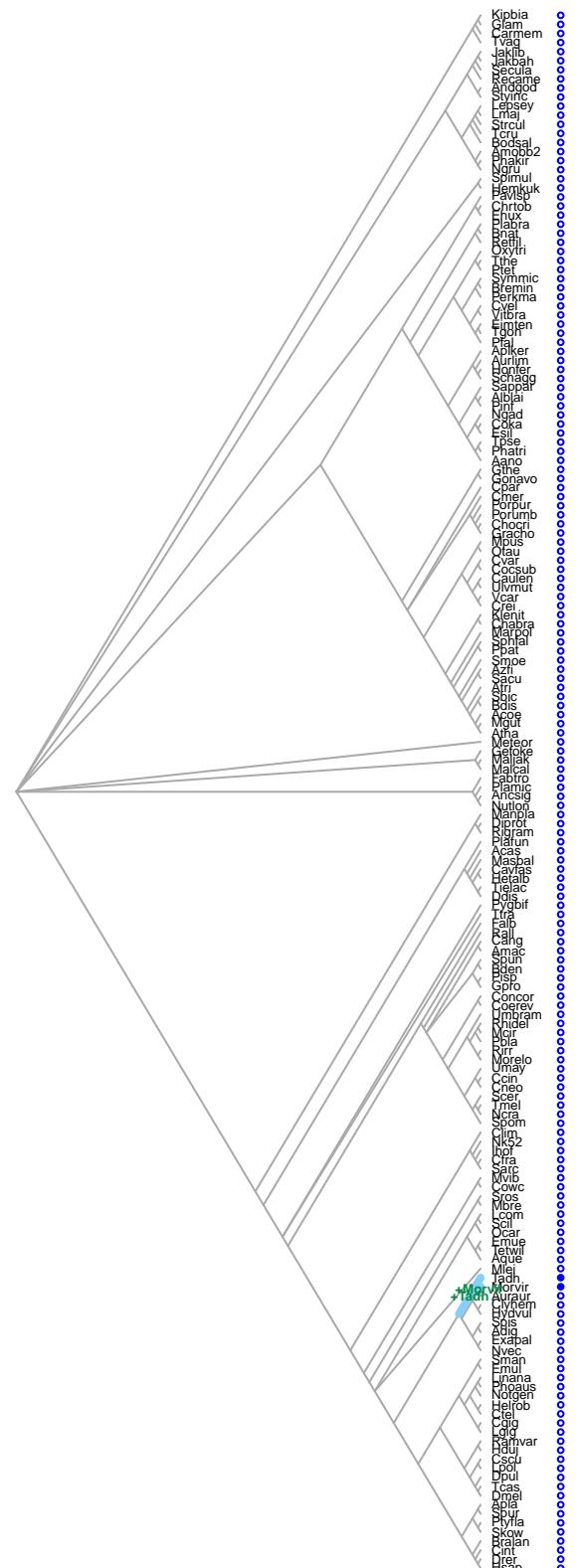


TUDOR.HG1.43
AKAP1

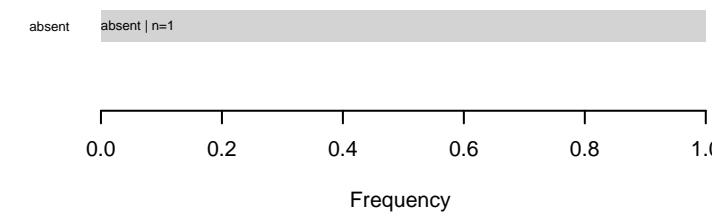
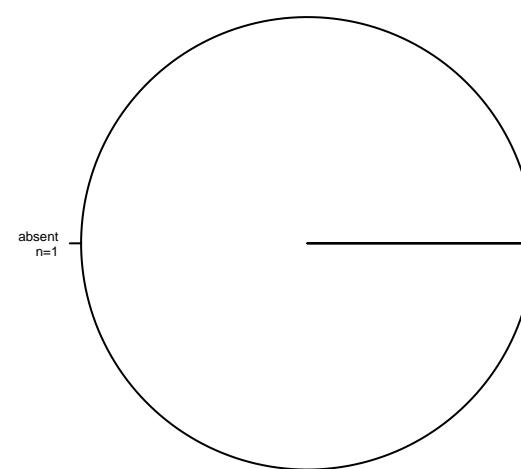


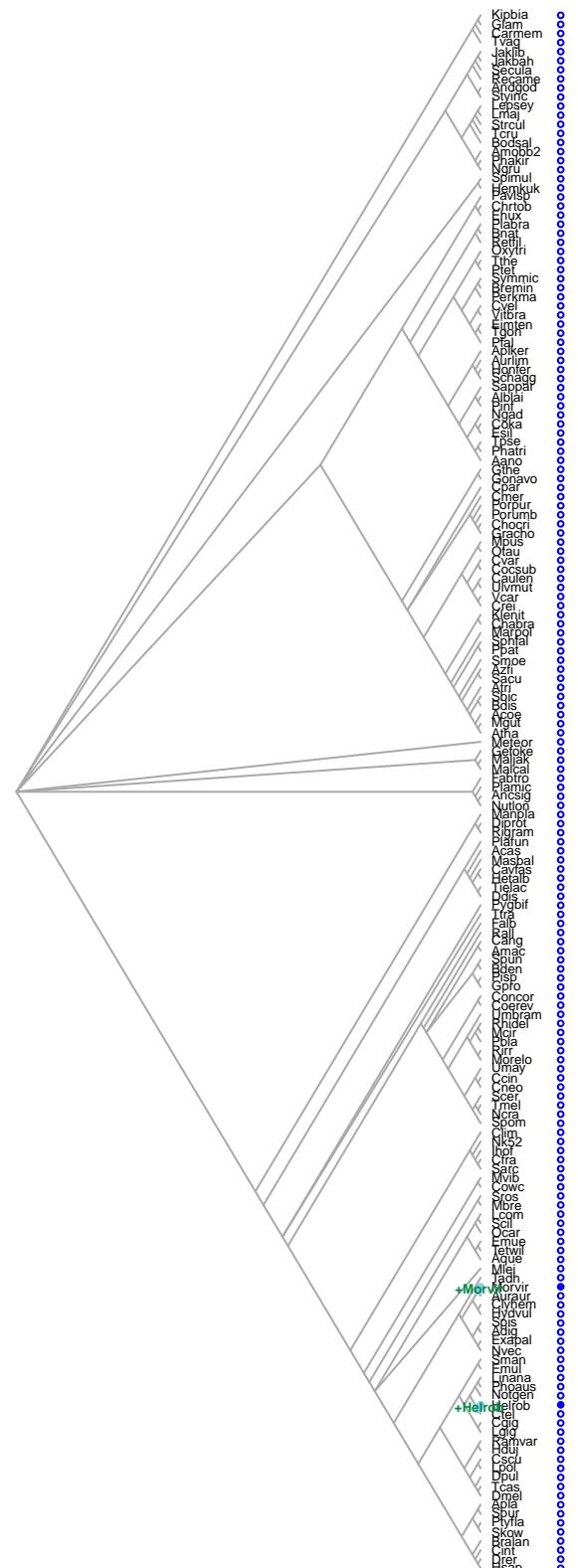
Gain: Metazoa,NA
Presence Eukaryota prob = 0.00
Present: 35
Losses: NA



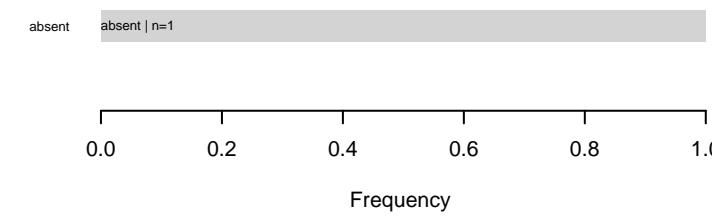
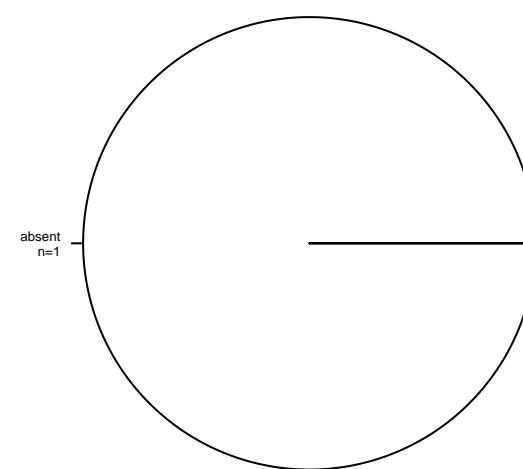


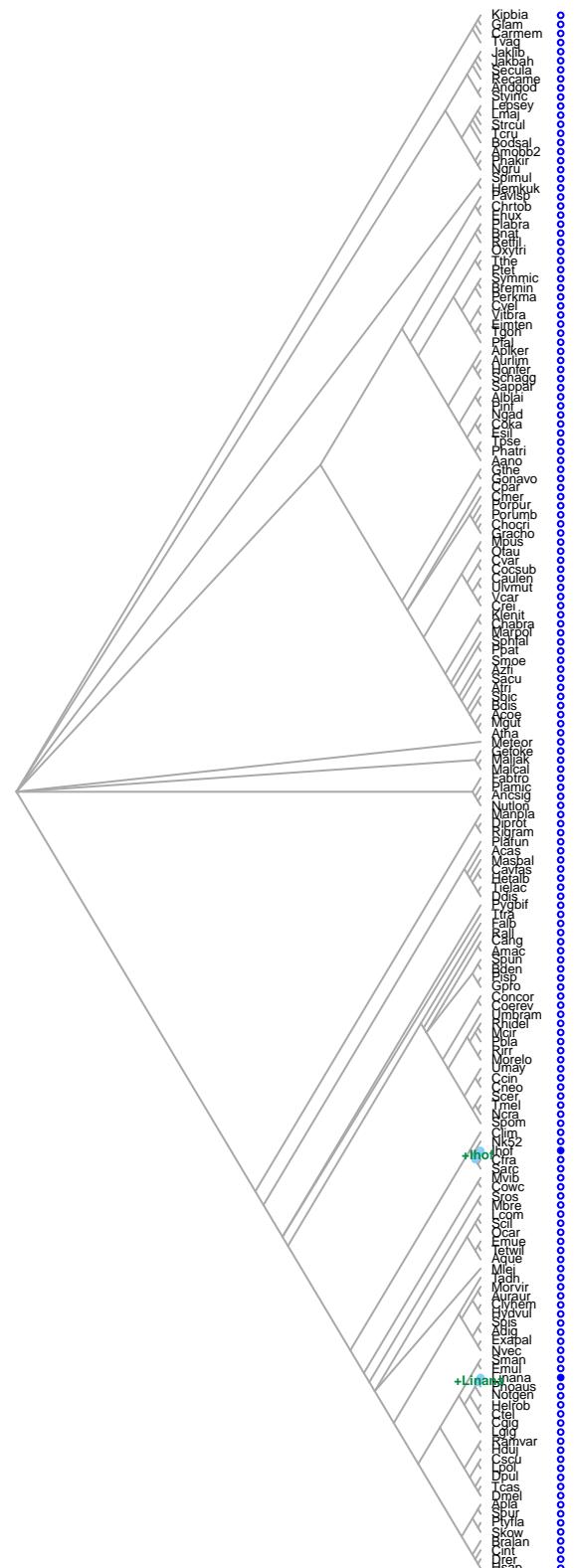
Gain: Morvir,Tadh,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



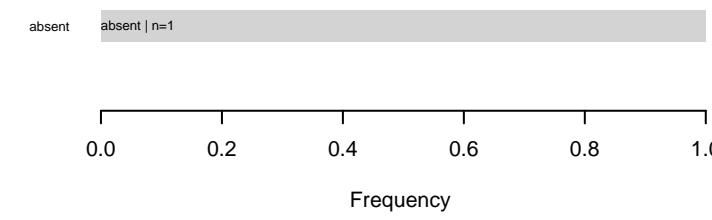
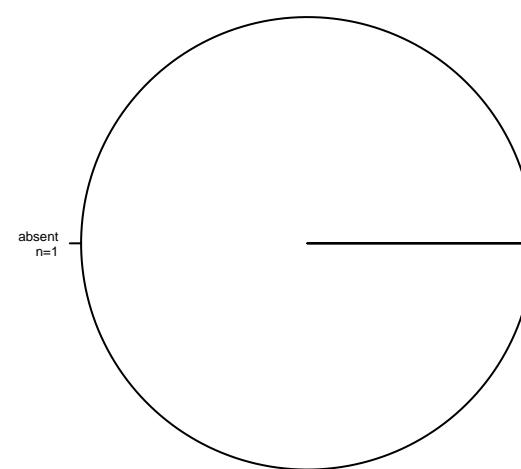


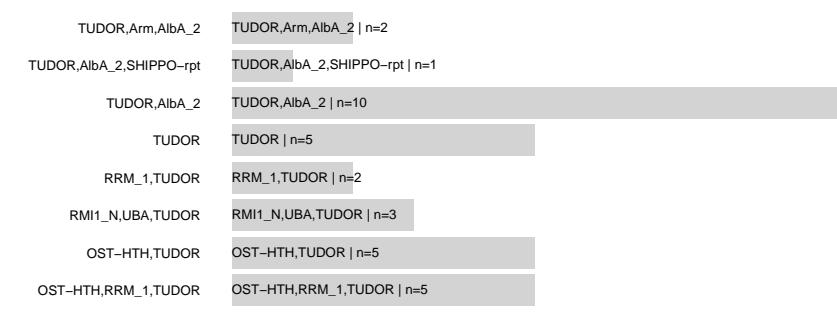
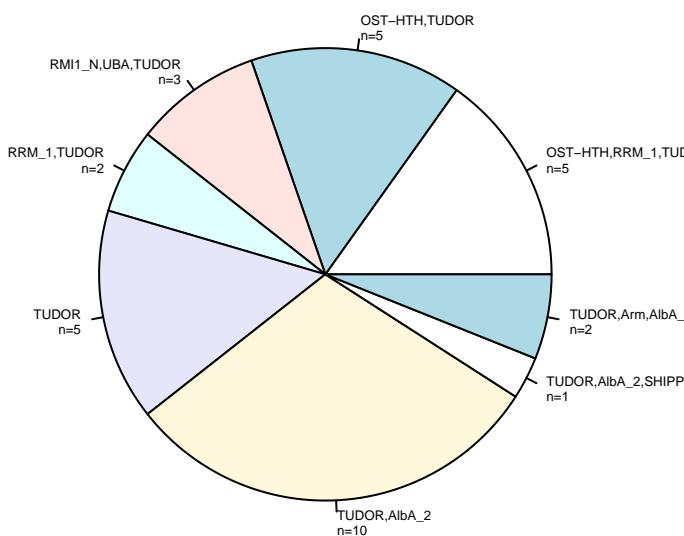
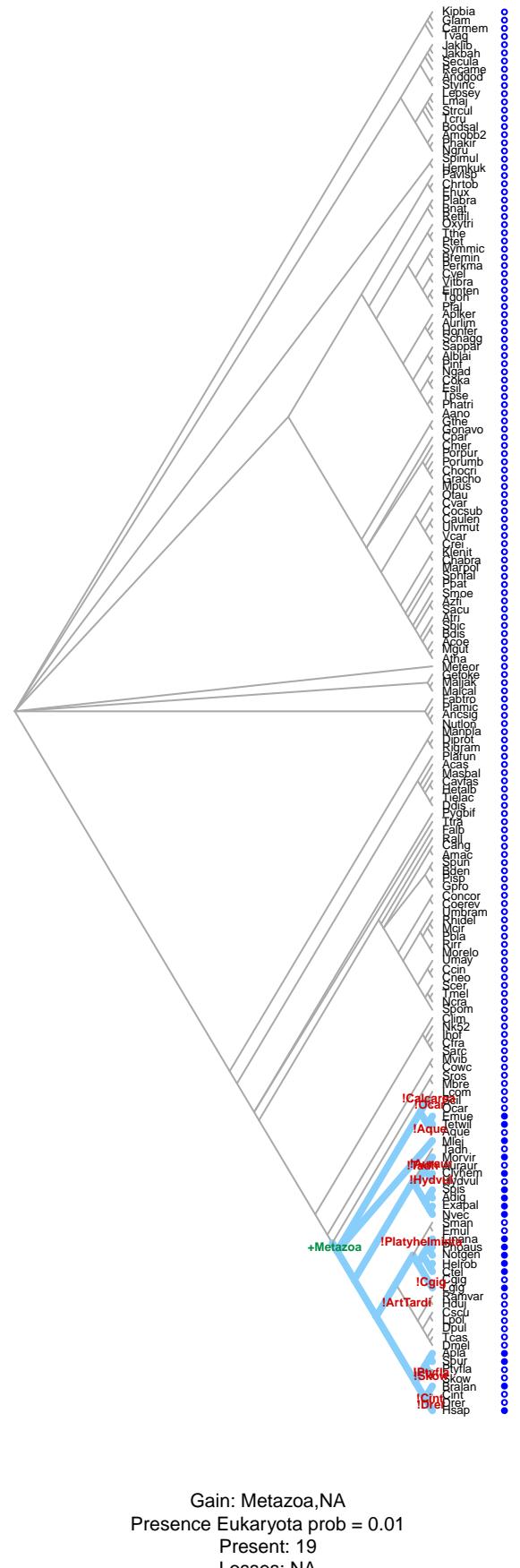
Gain: Helrob,Morvir,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA





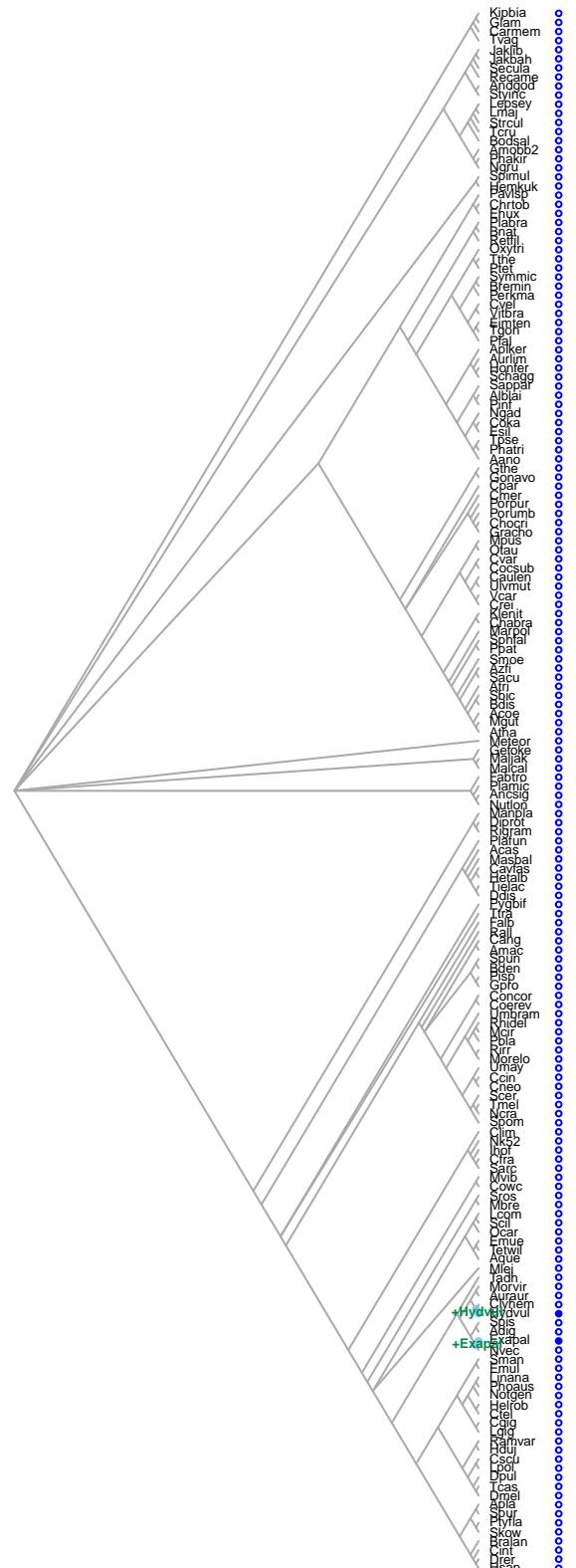
Gain: Linana,Ihof,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



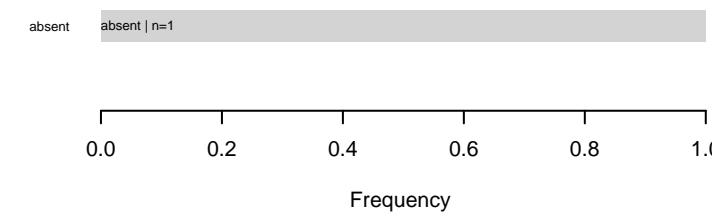
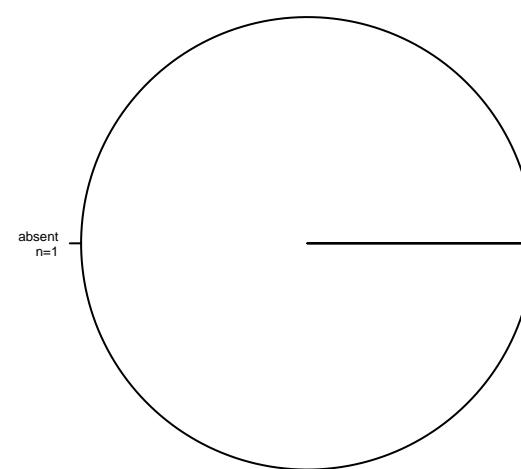


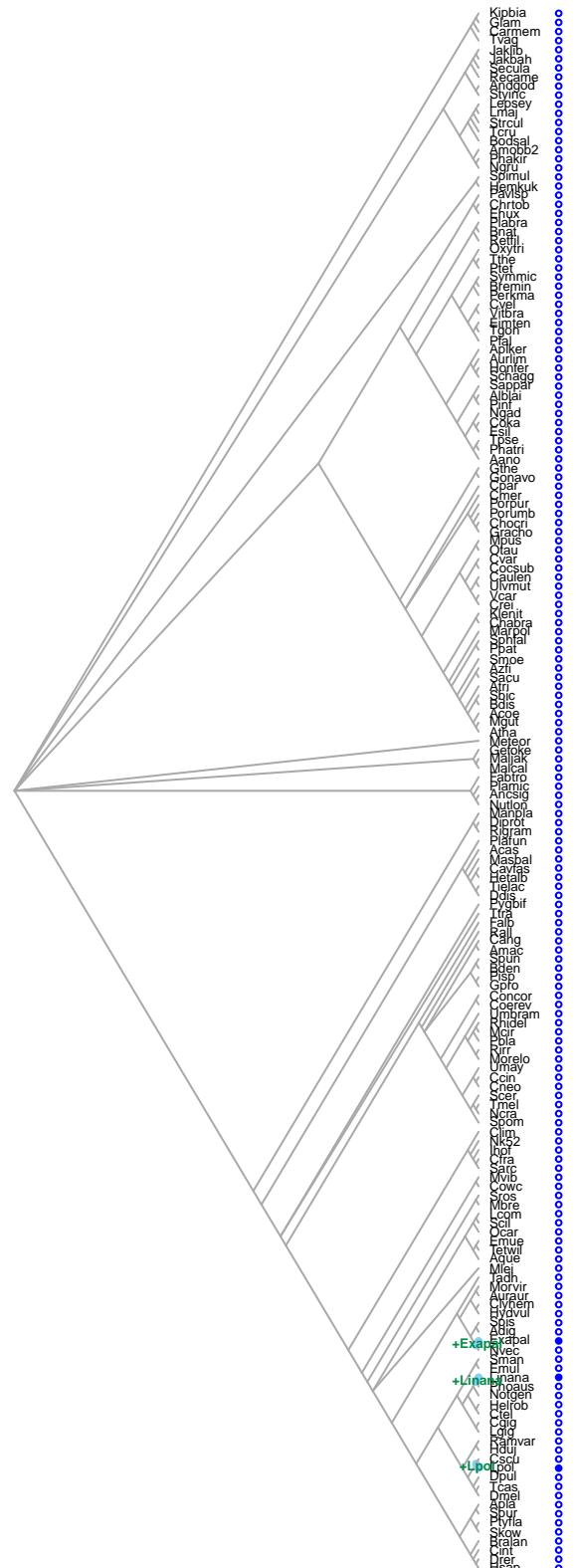
0 2 4 6 8 10

Frequency



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



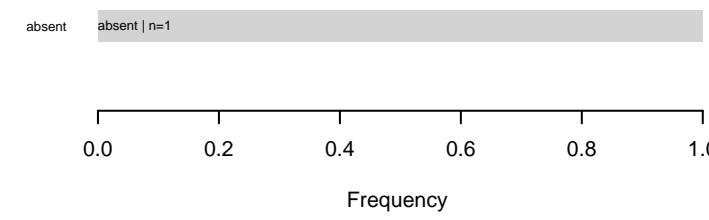
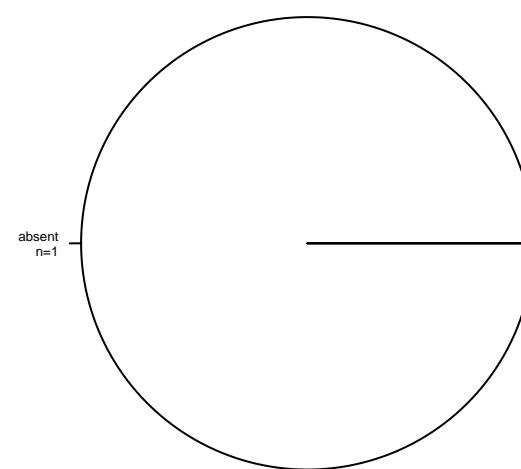


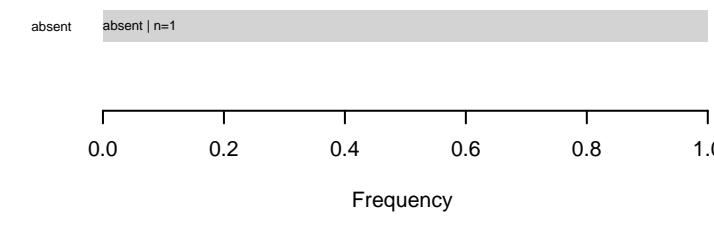
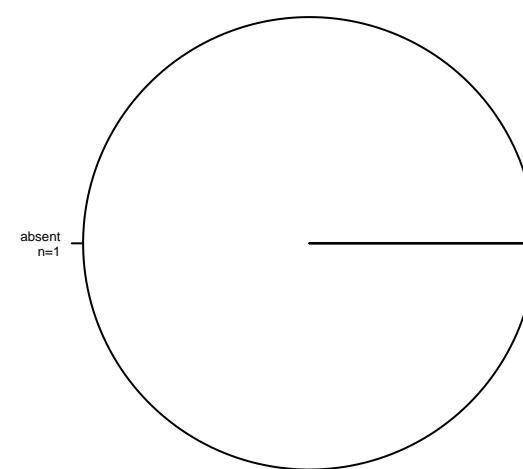
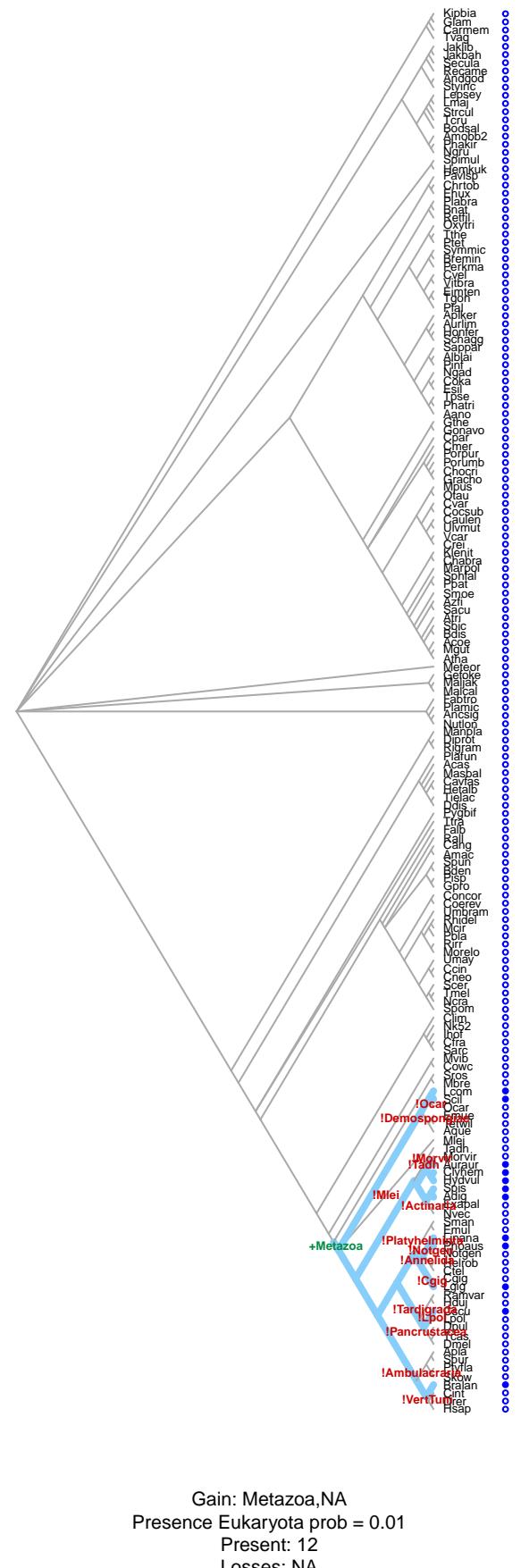
Gain: Lpol,Linana,Exapal,NA

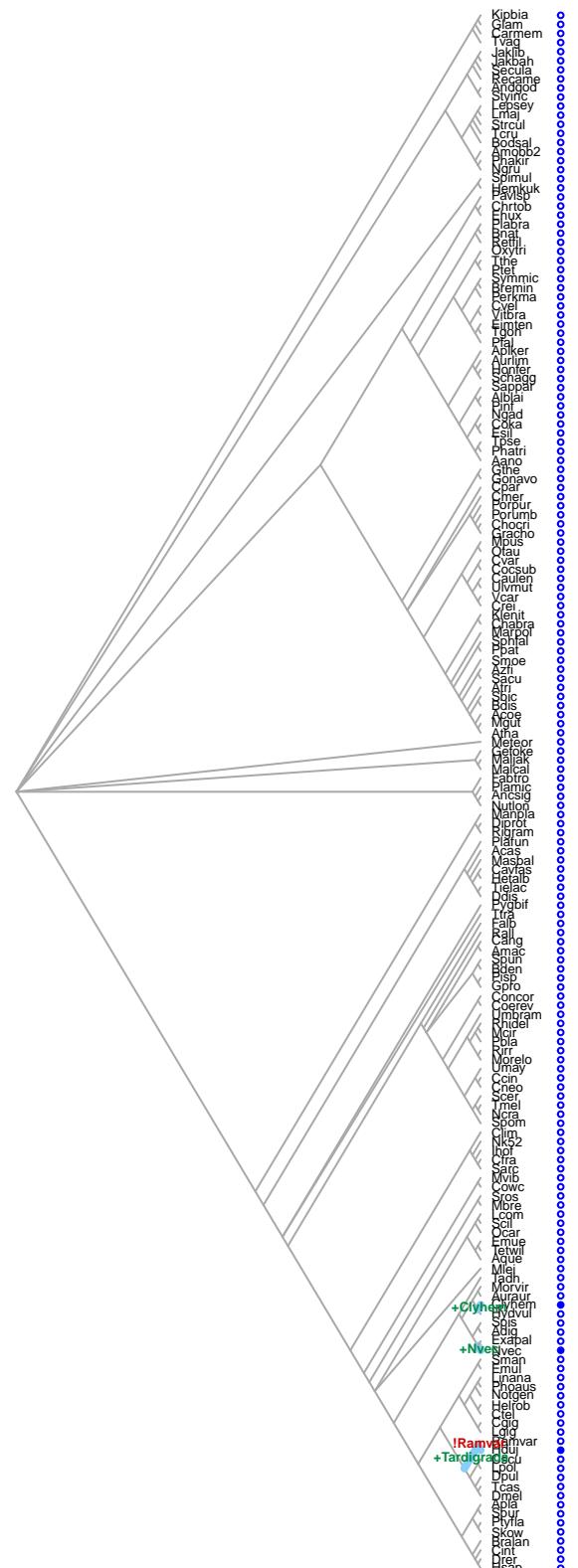
Presence Eukaryota prob = 0.00

Present: 3

Losses: NA





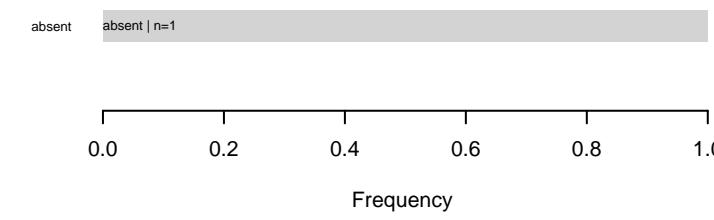
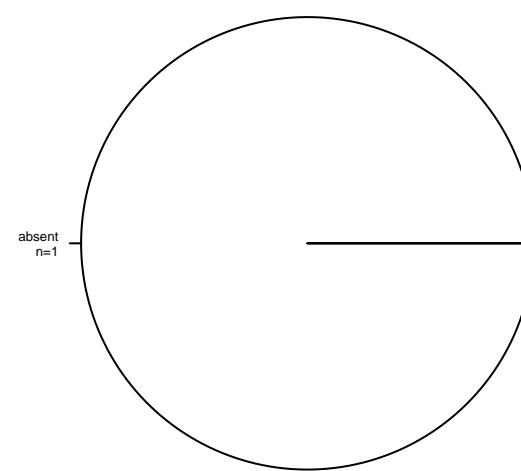


Gain: Tardigrada,Nvec,Clyhem,NA

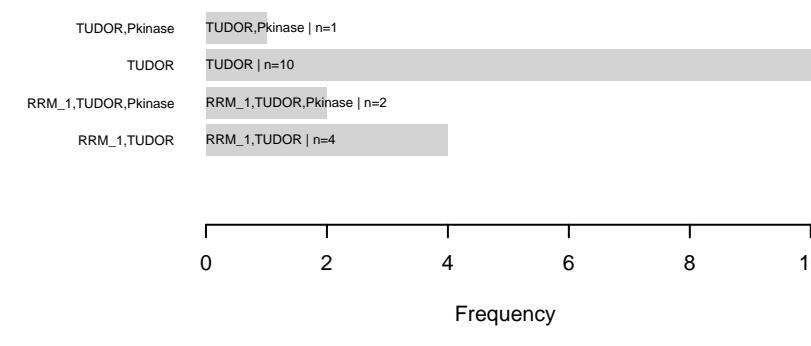
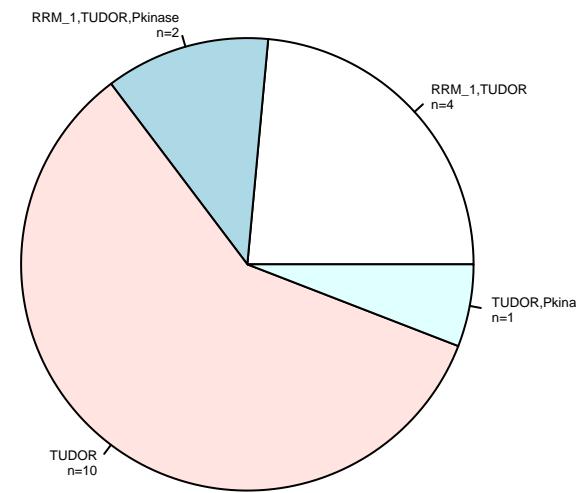
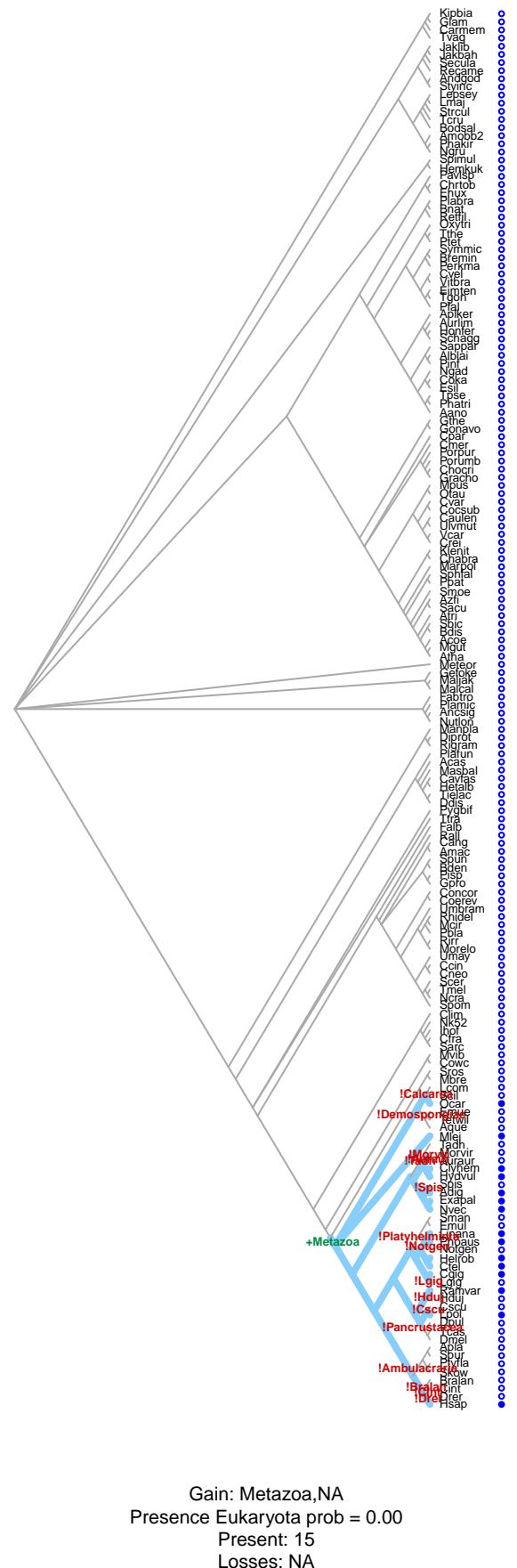
Presence Eukaryota prob = 0.00

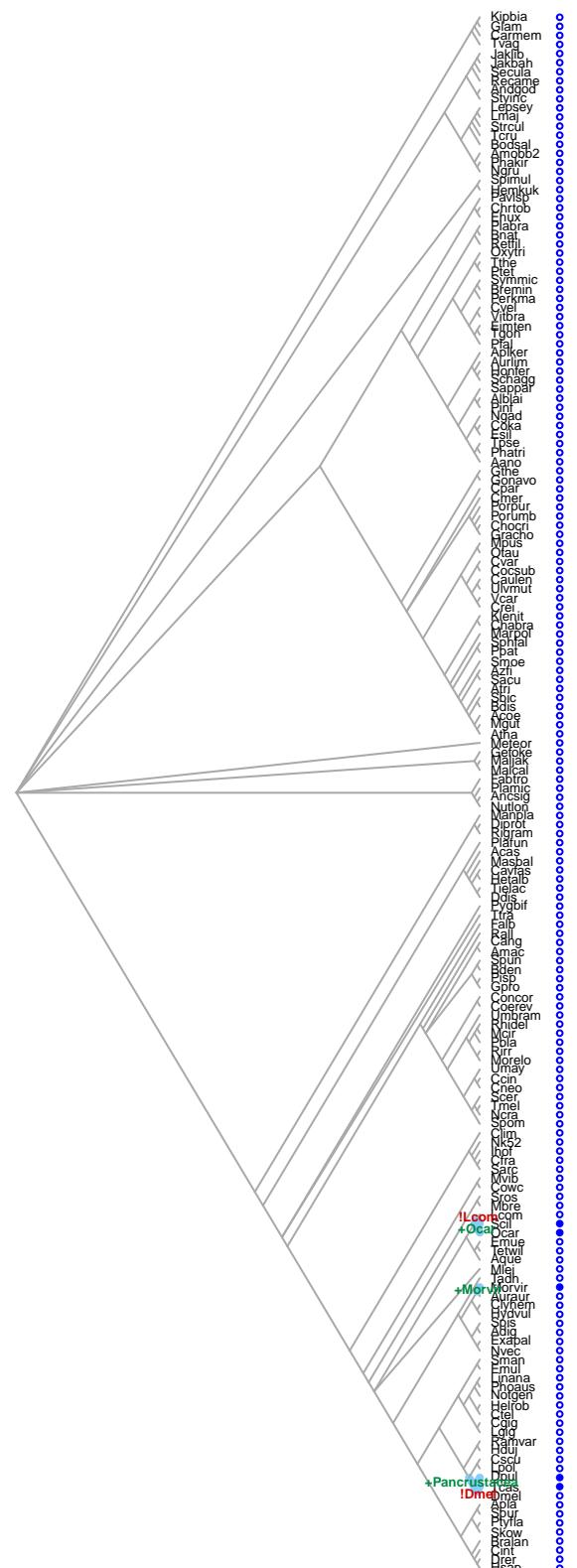
Present: 3

Losses: NA



TUDOR.HG1.51
STK31



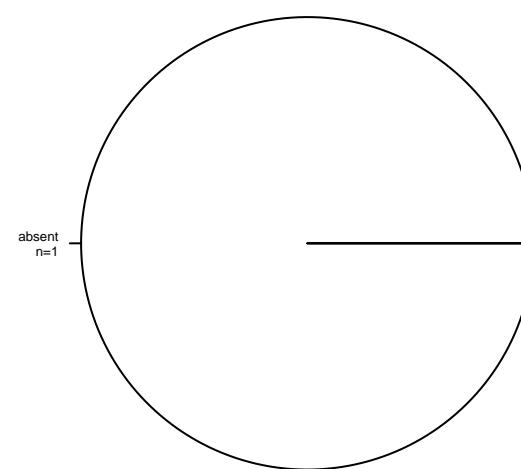


Gain: Pancrustacea,Morvir,Ocar,NA

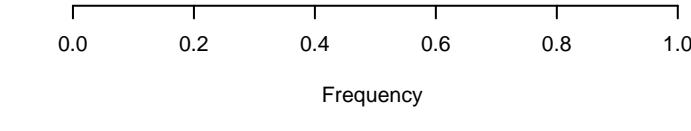
Presence Eukaryota prob = 0.00

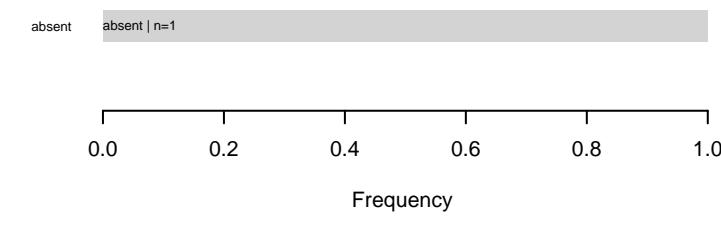
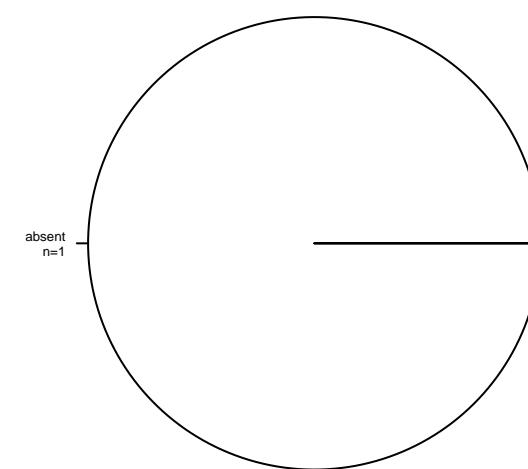
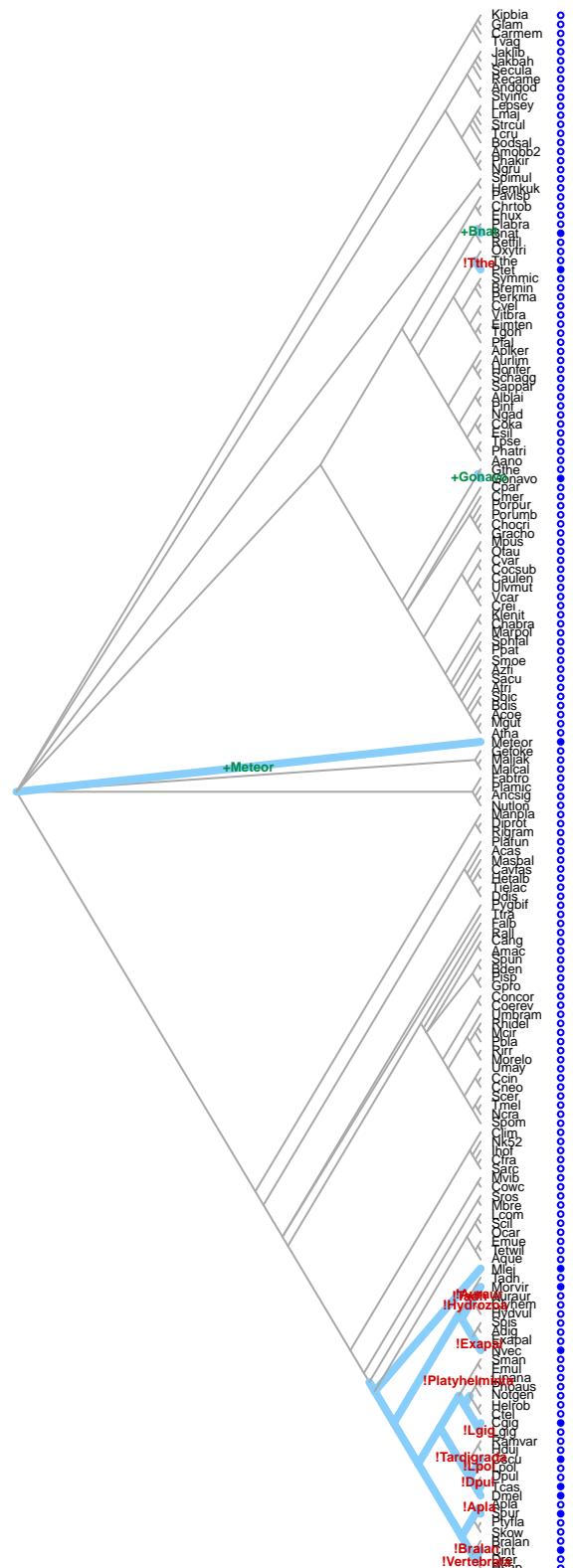
Present: 5

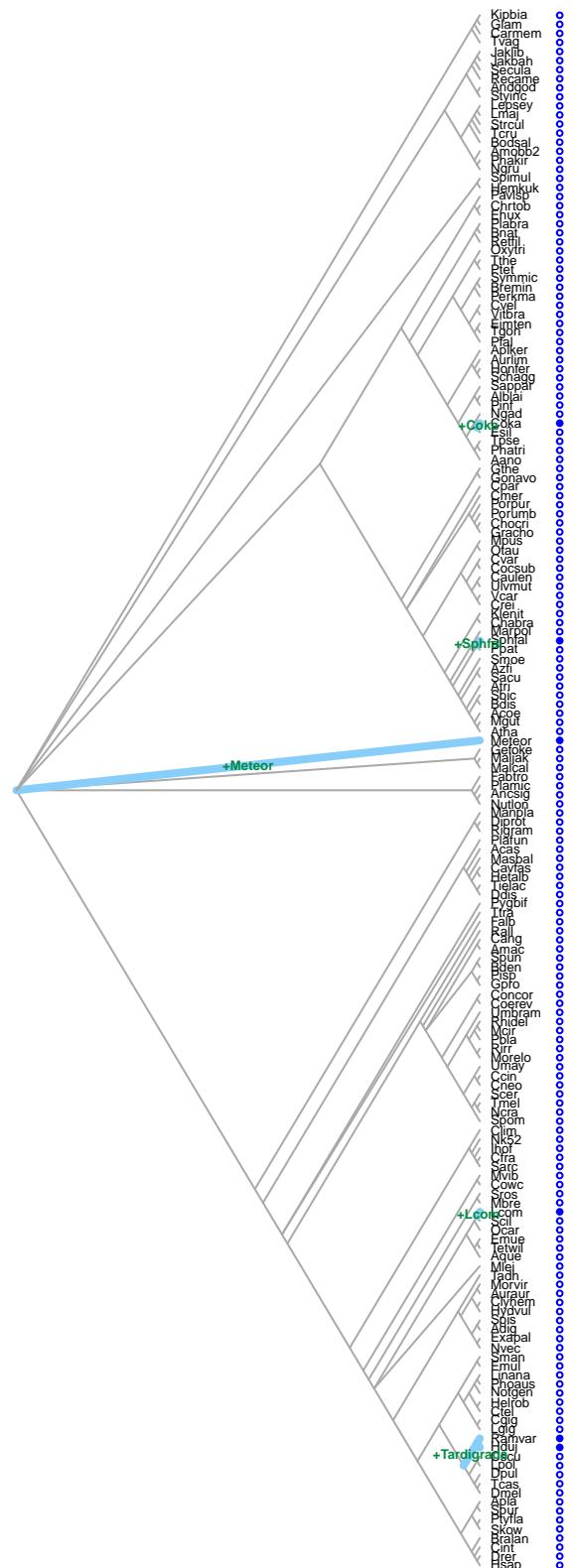
Losses: NA



absent
 $n=1$





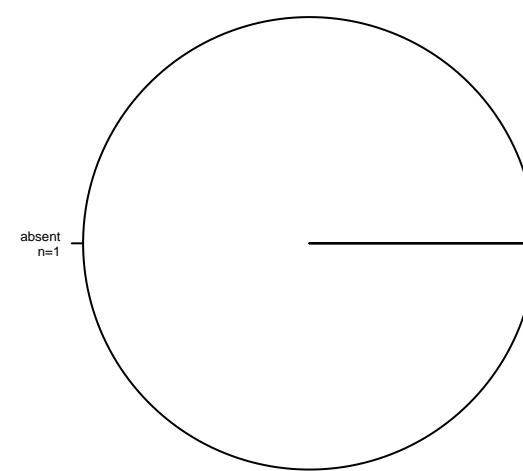


Gain: Tardigrada,Lcom,Meteor,Sphfal,Coka,NA

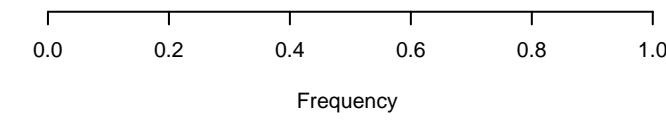
Presence Eukaryota prob = 0.02

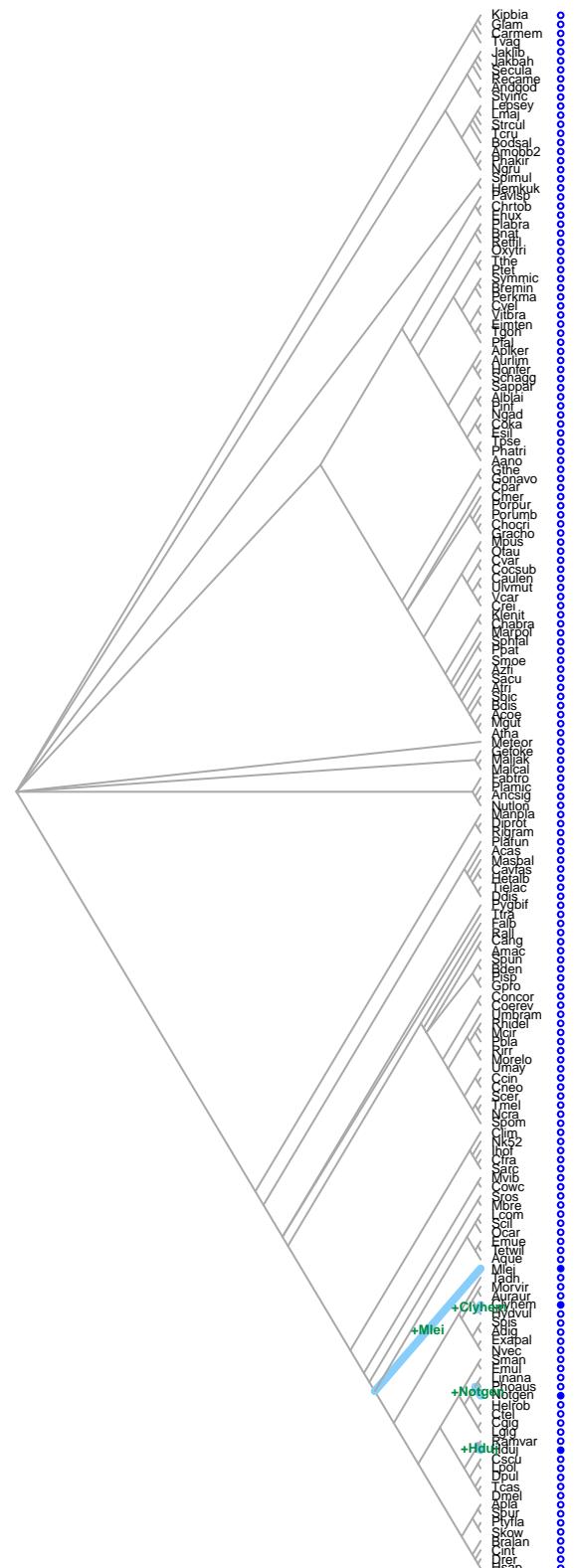
Present: 6

Losses: NA



absent absent | n=1



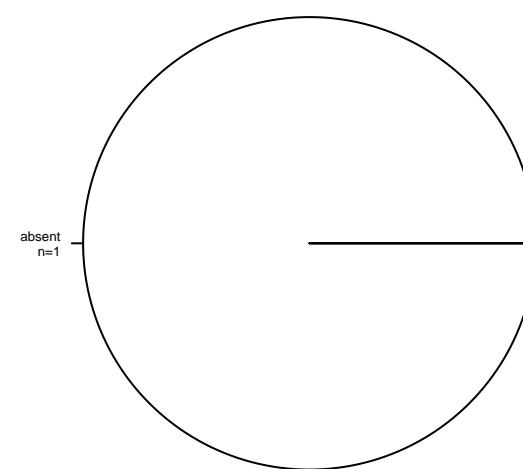


Gain: Hduj, Notgen, Clyhem, Mlei, NA

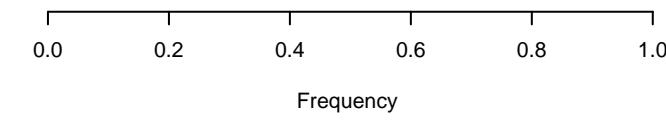
Presence Eukaryota prob = 0.00

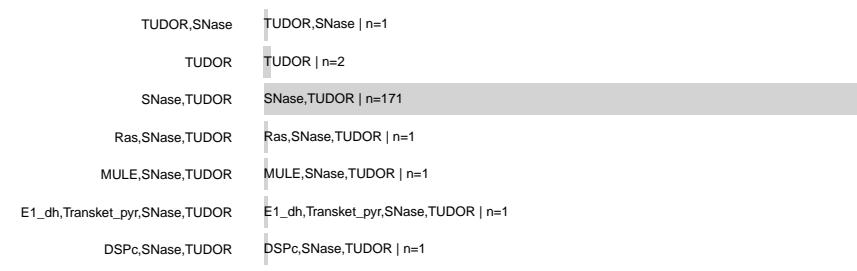
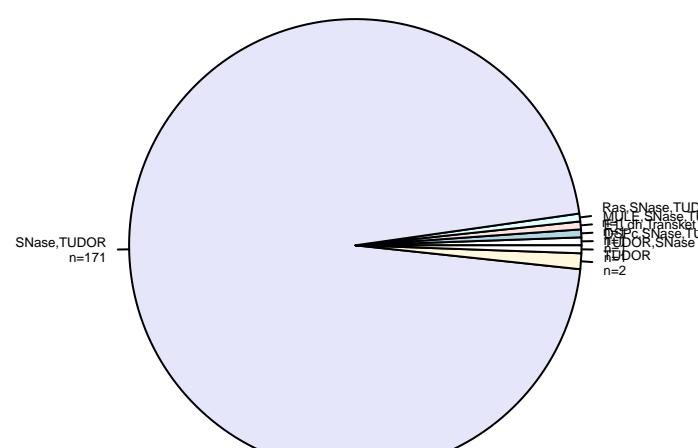
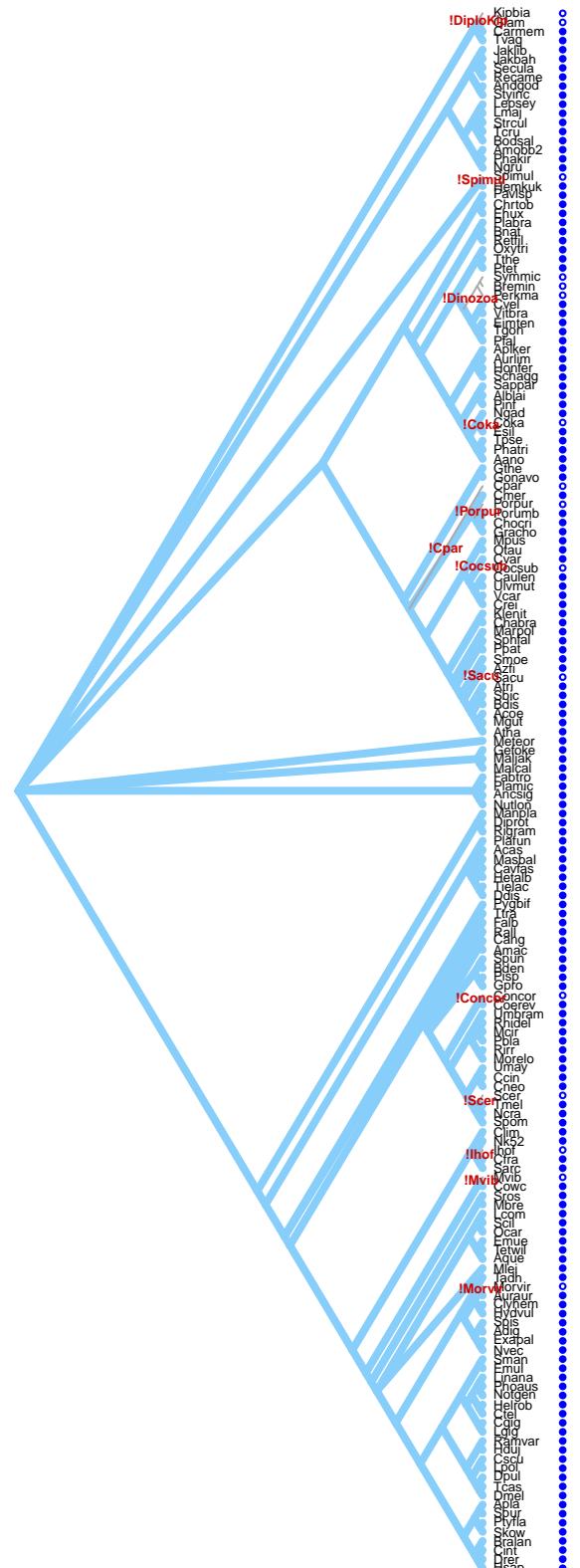
Present: 4

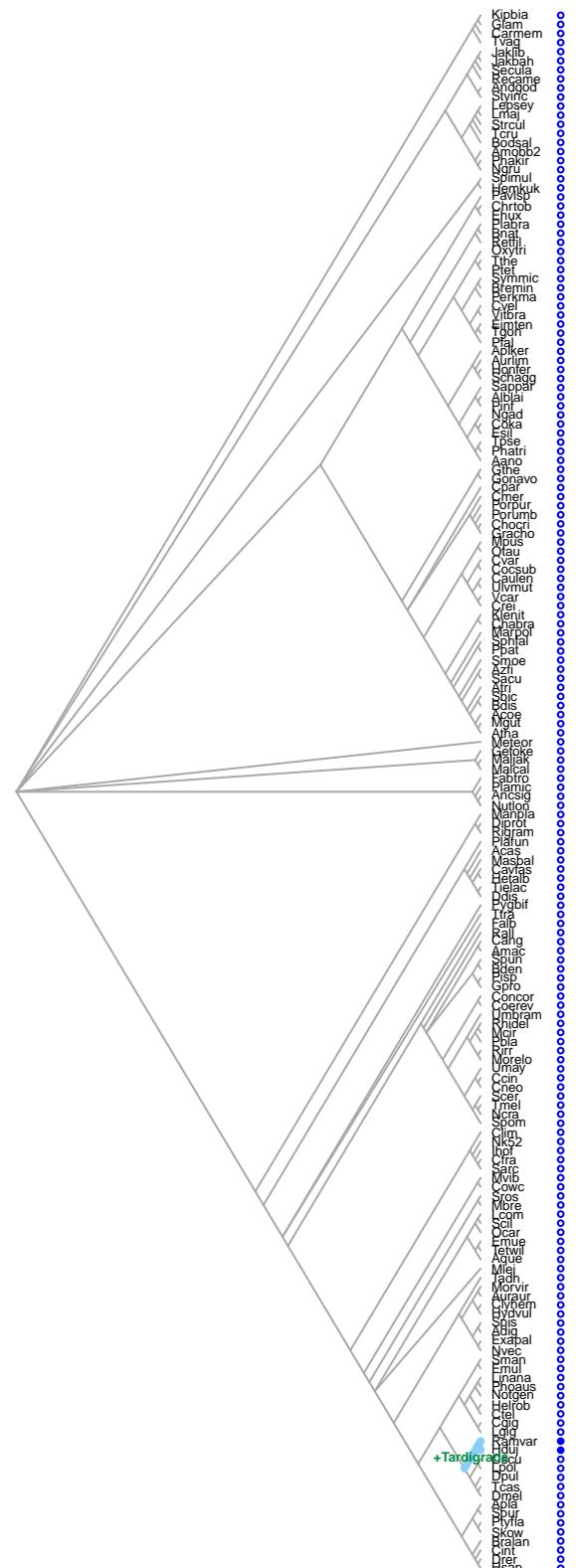
Losses: NA



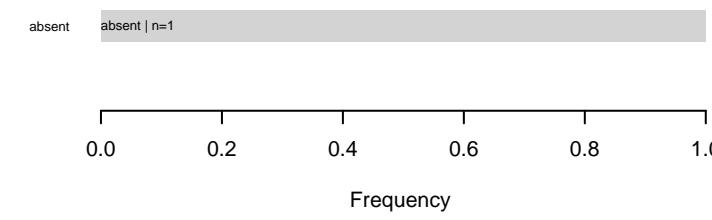
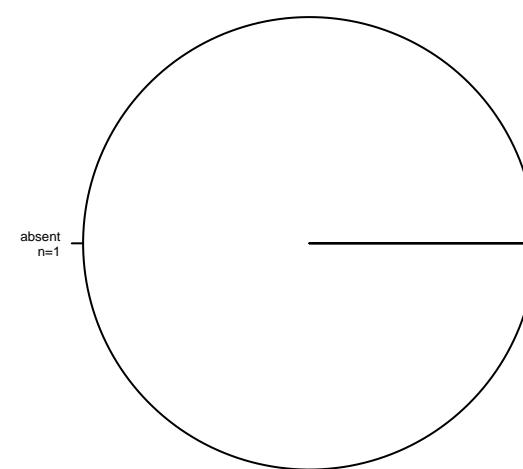
absent absent | n=1

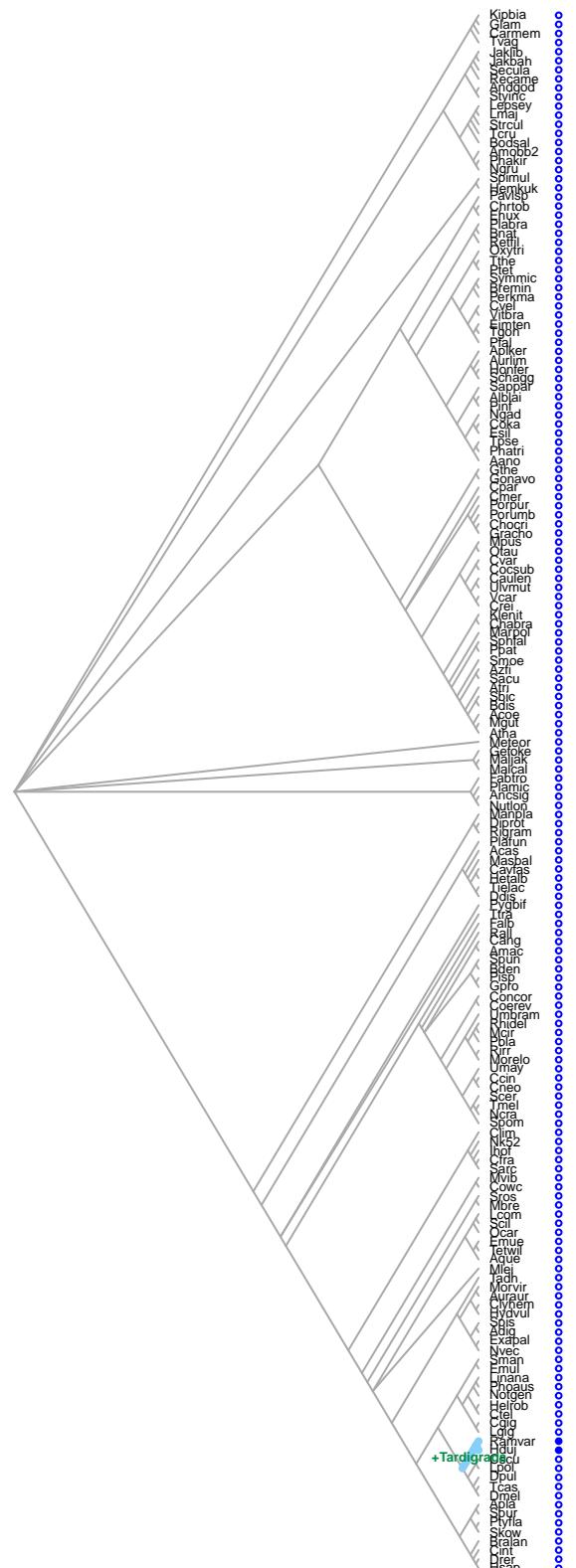




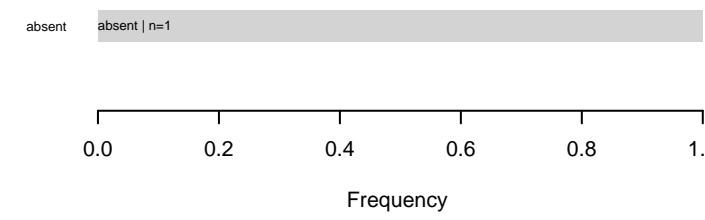
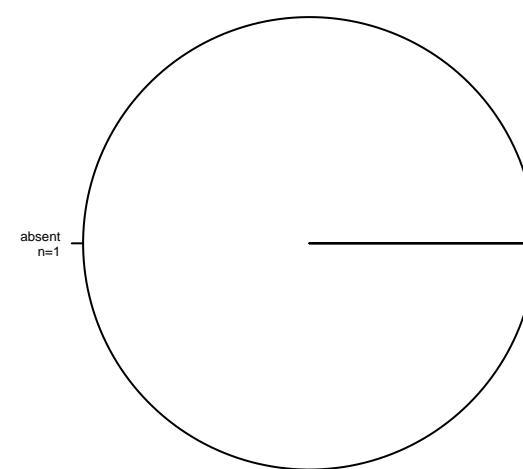


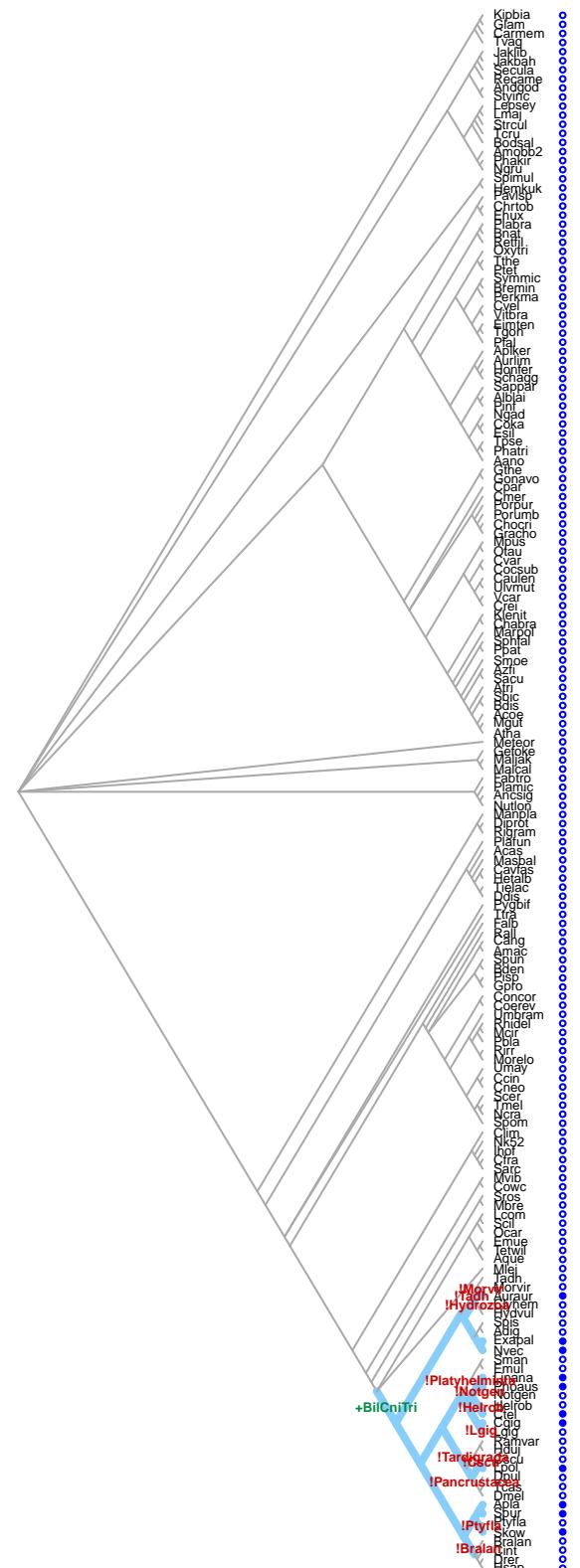
Gain: Tardigrada,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



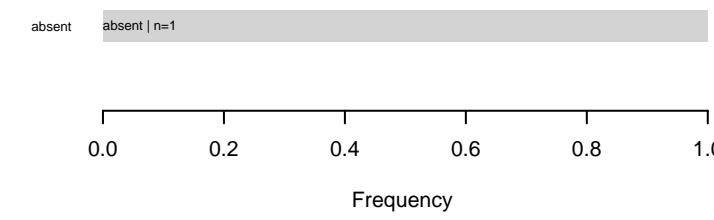
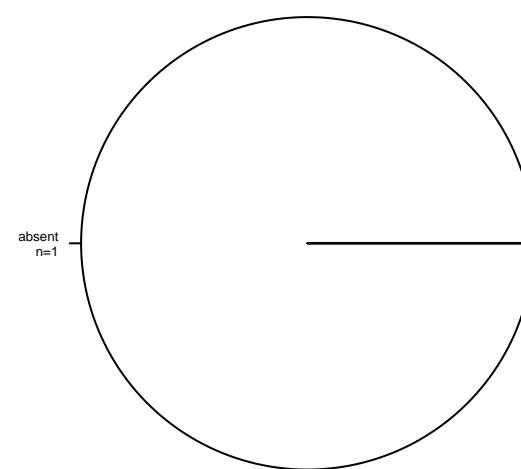


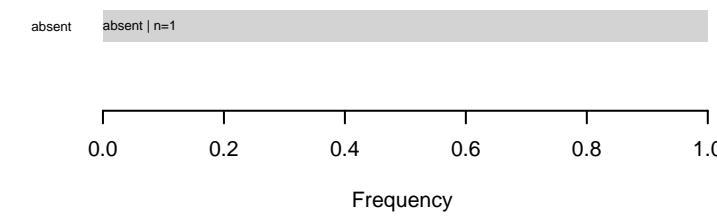
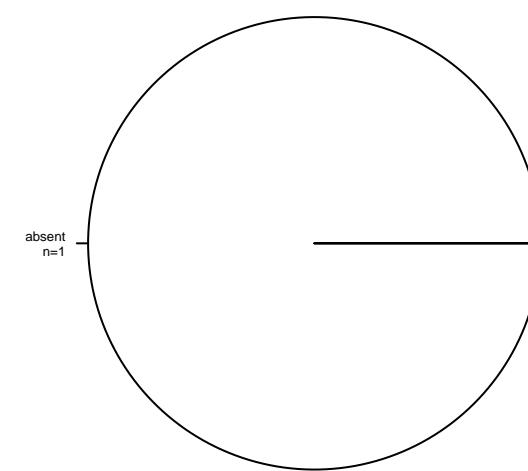
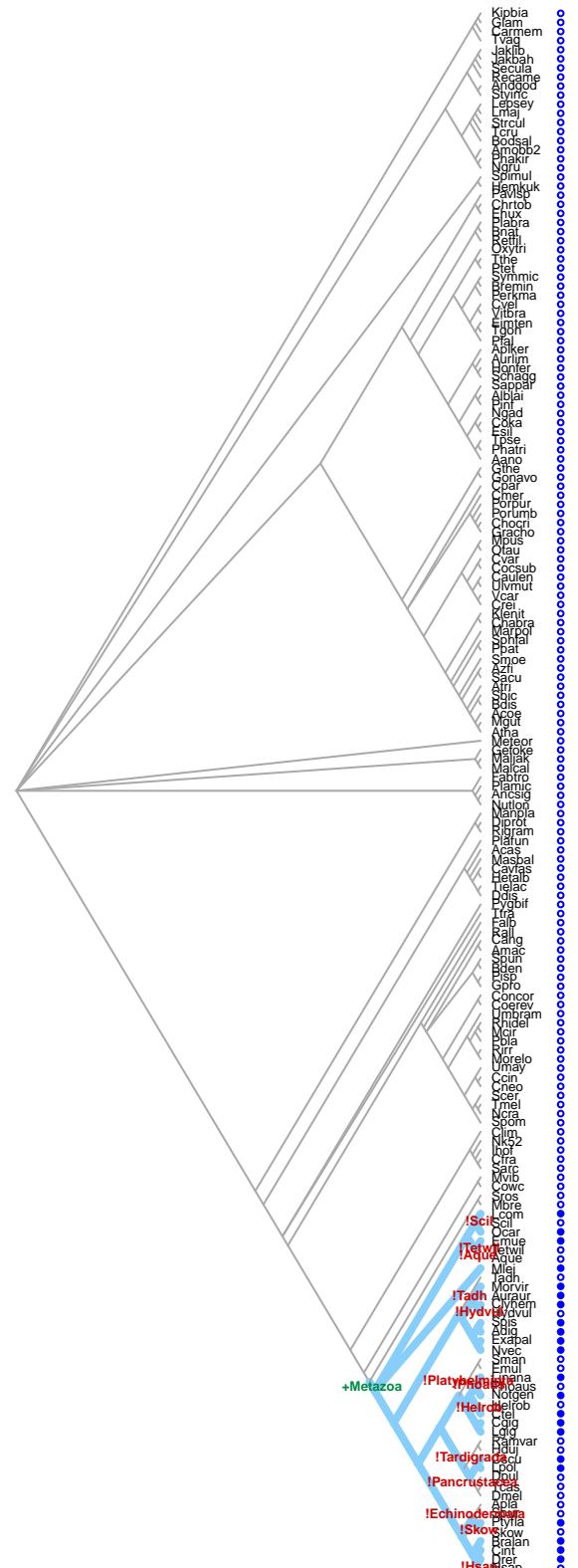
Gain: Tardigrada,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

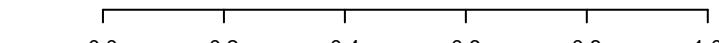
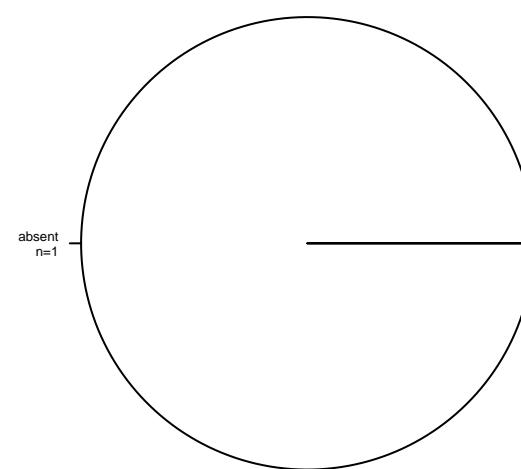
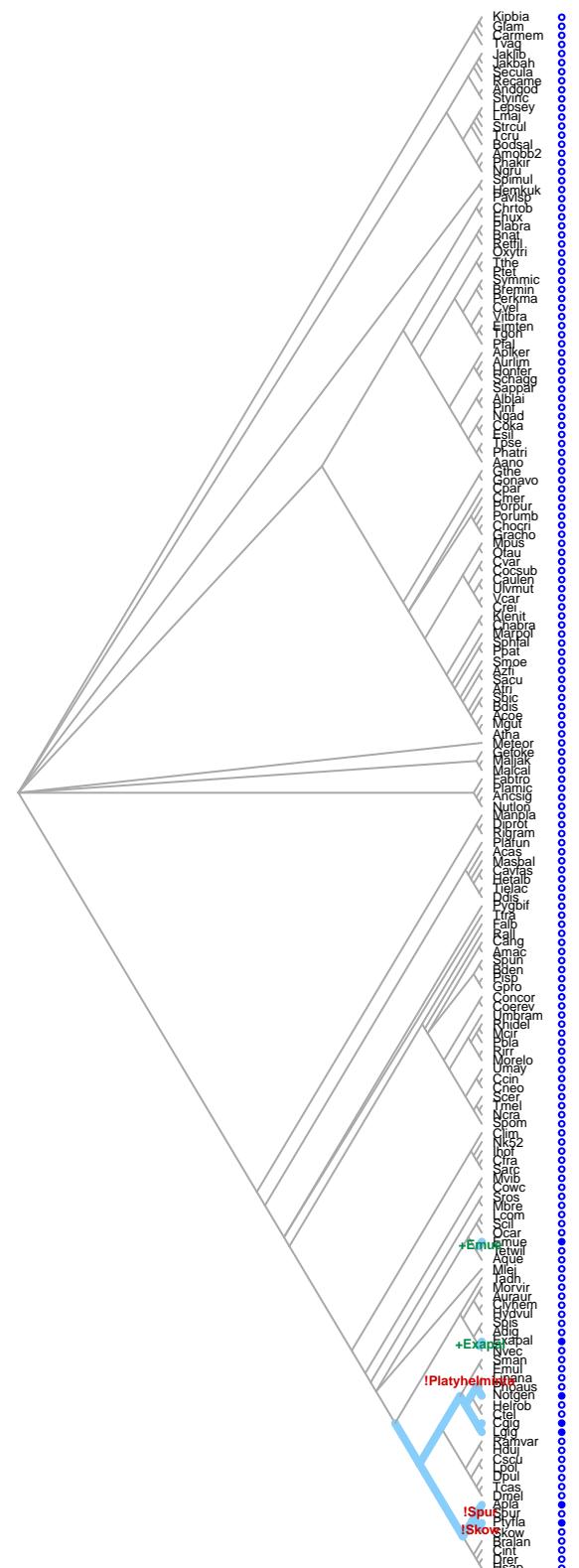


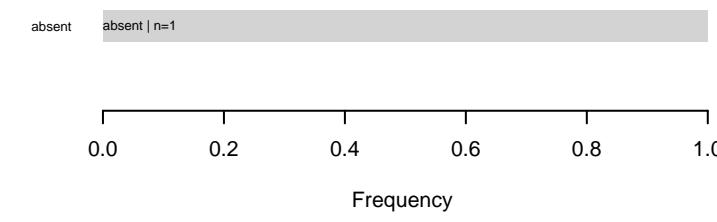
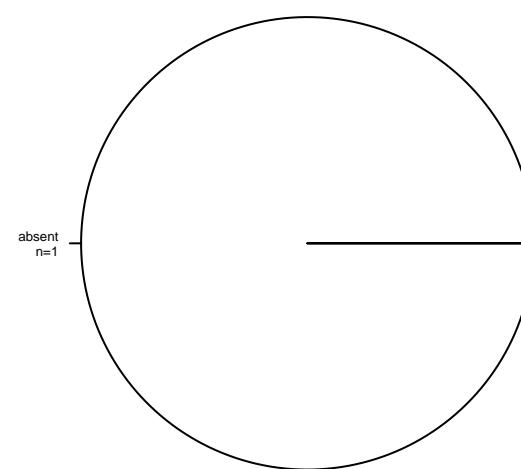
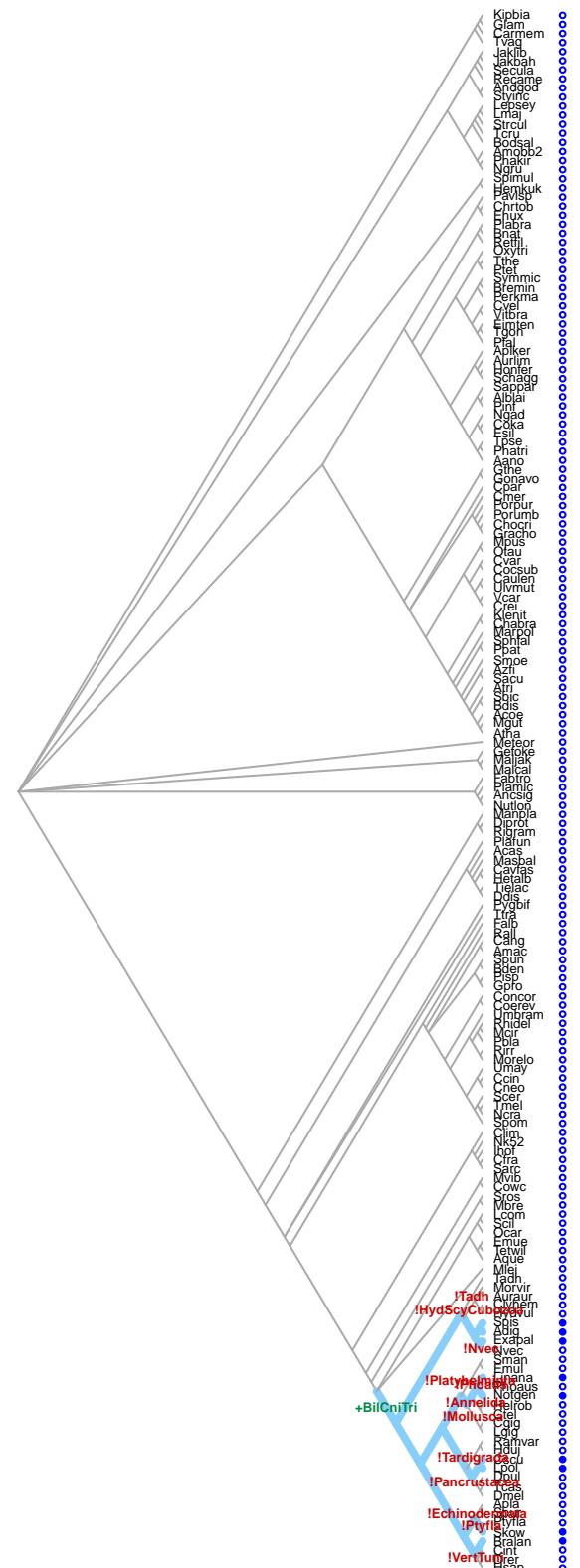


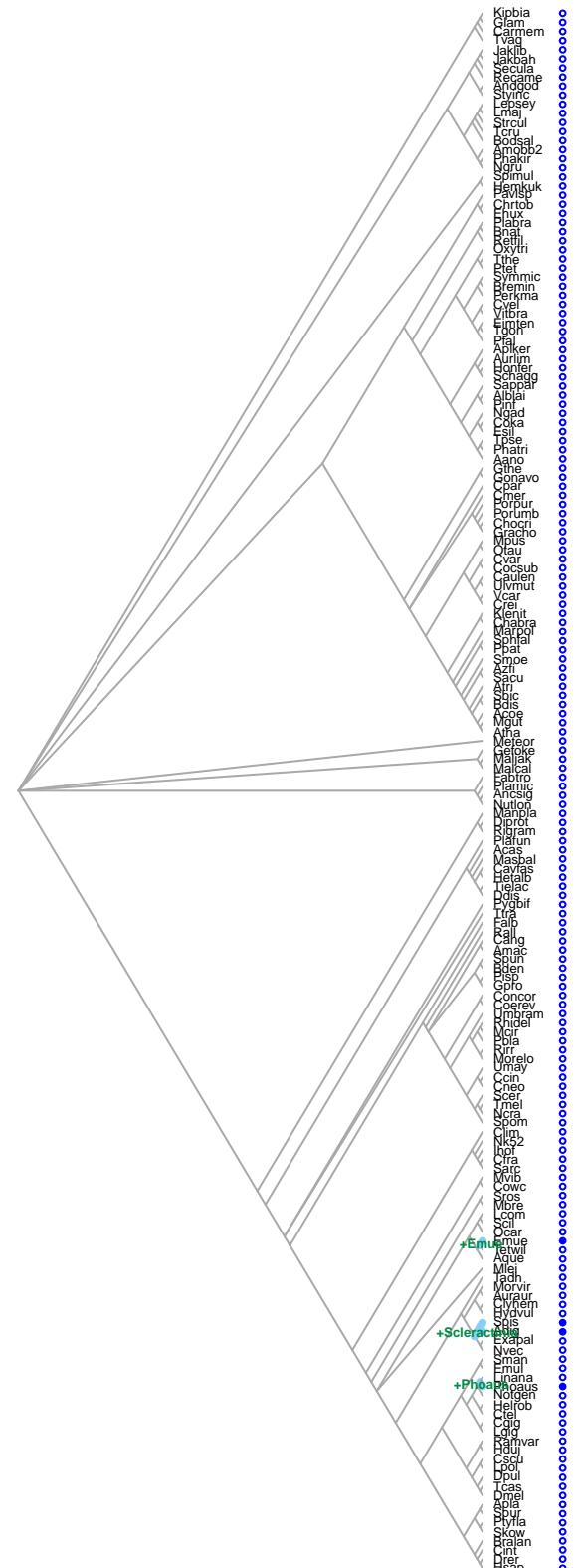
Gain: BilCniTri,NA
Presence Eukaryota prob = 0.00
Present: 11
Losses: NA











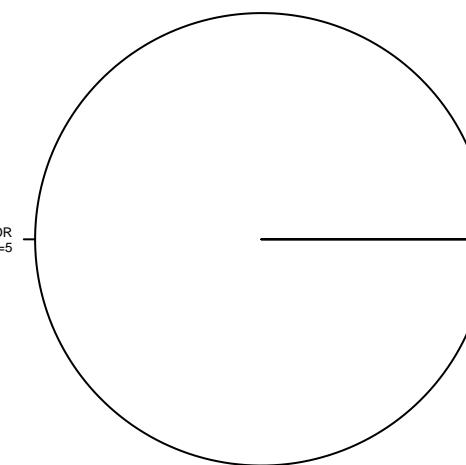
Gain: Phoaus,Scleractinia,Emue,NA

Presence Eukaryota prob = 0.00

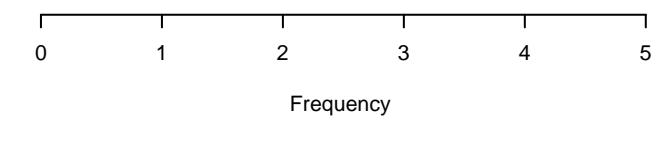
Present: 4

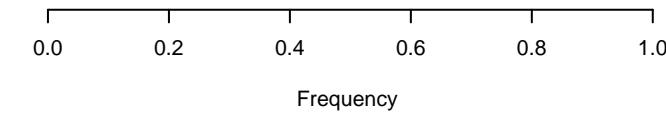
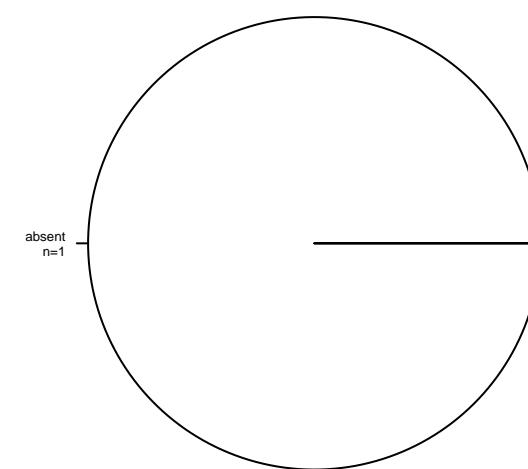
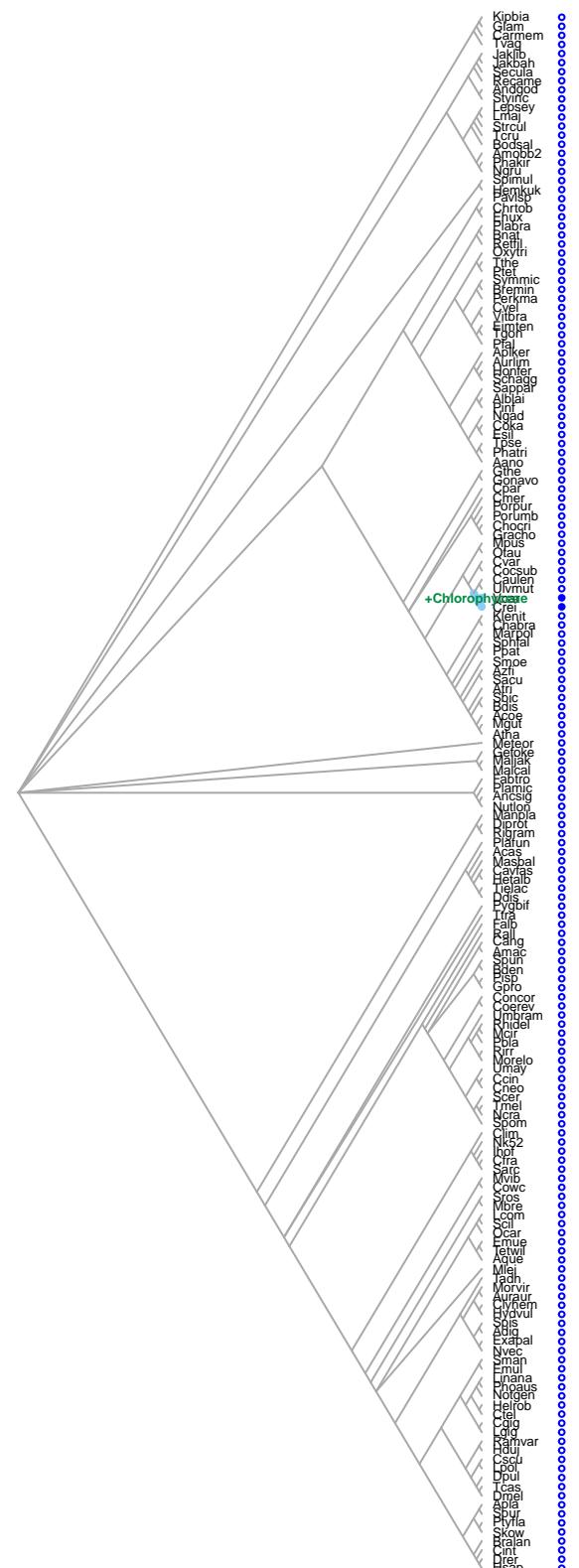
Losses: NA

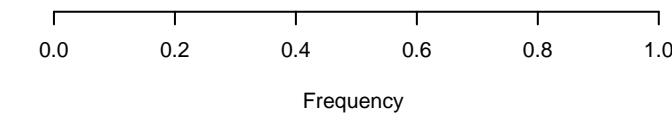
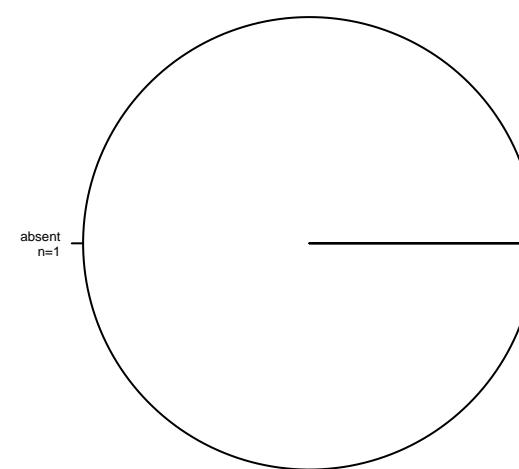
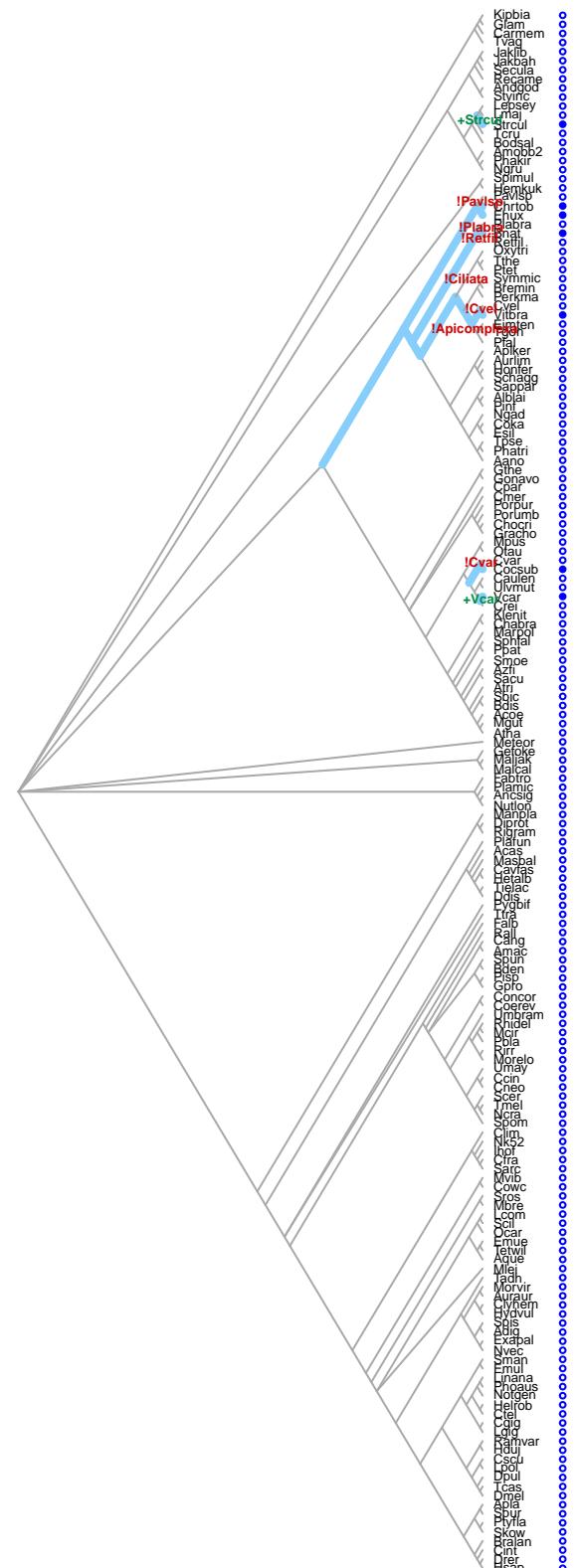
TUDOR
n=5

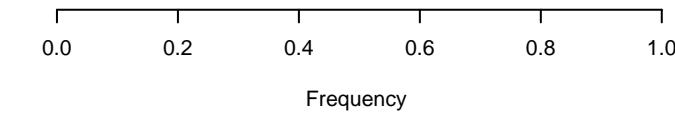
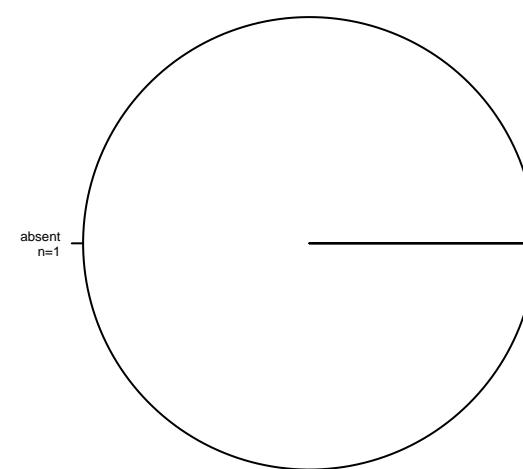
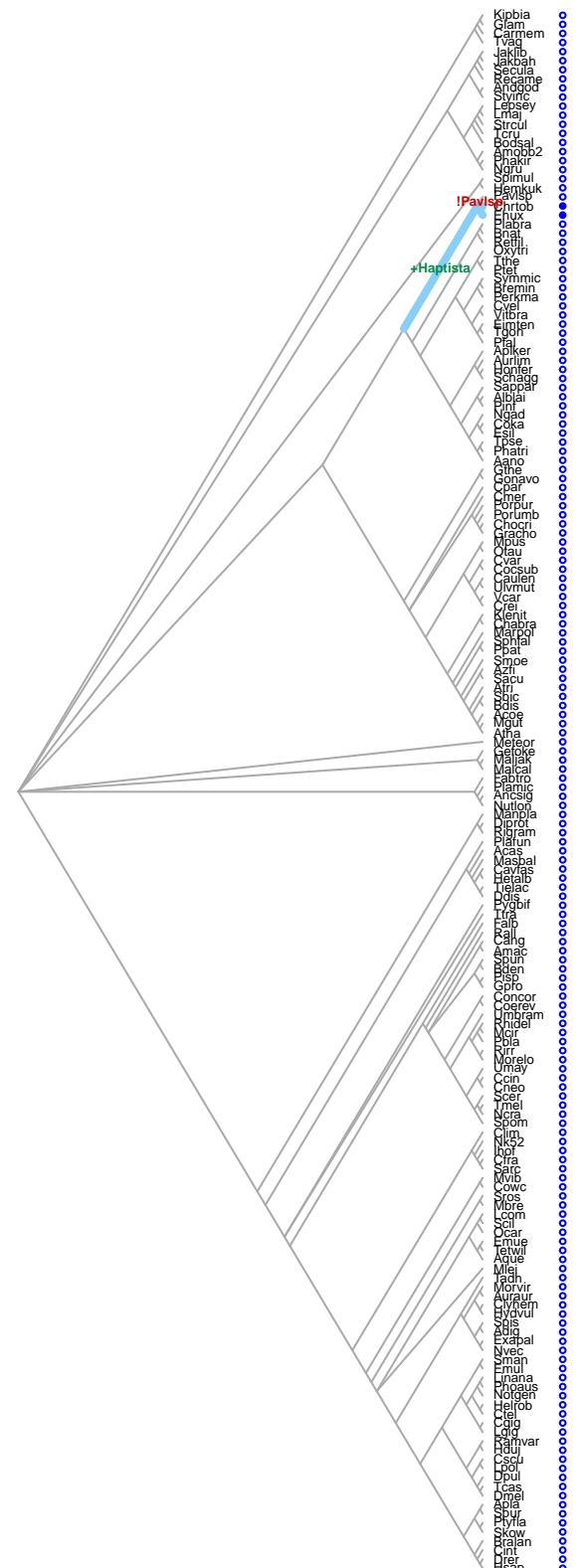


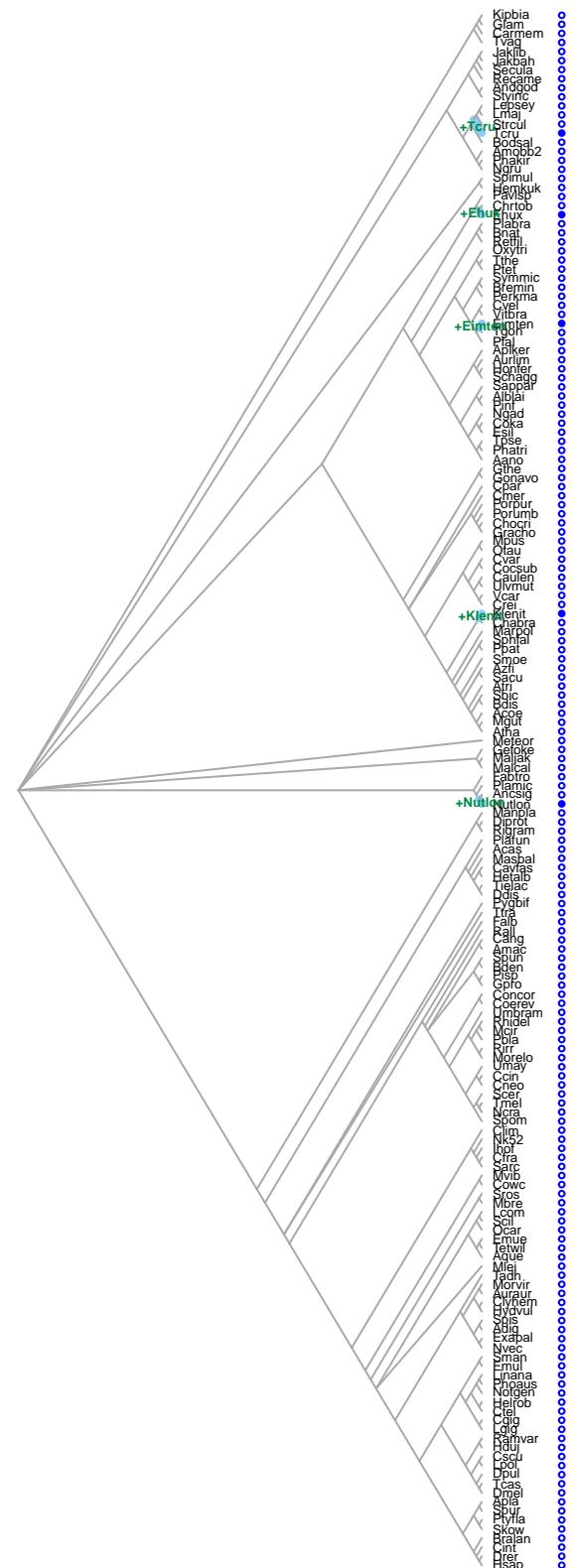
TUDOR TUDOR | n=5









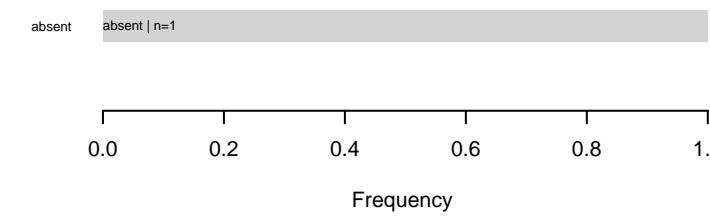
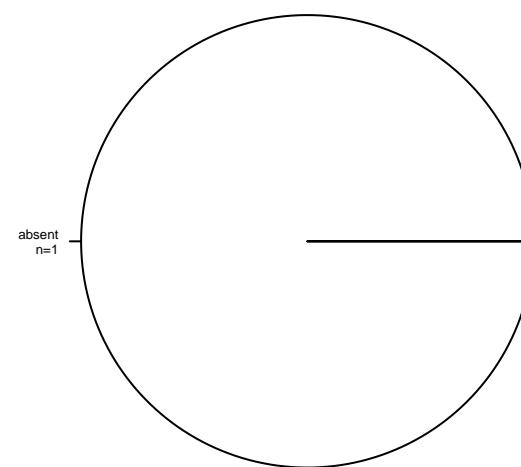


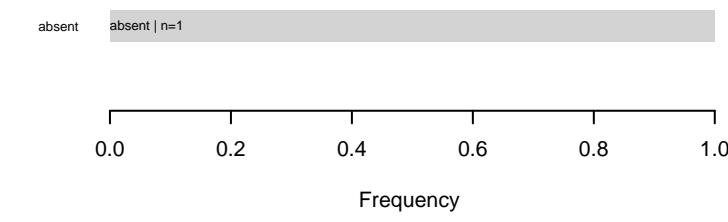
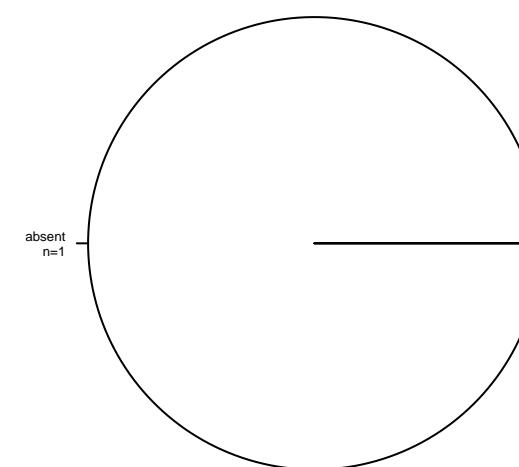
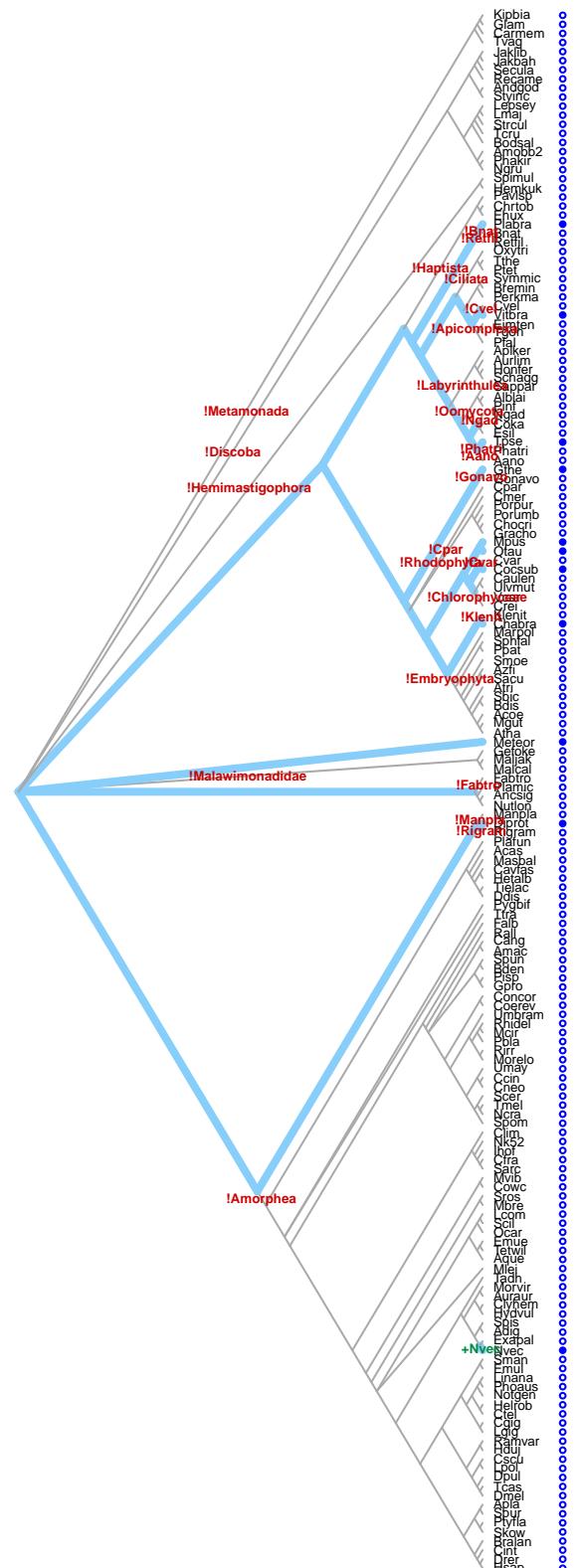
Gain: Nutlon,Klenit,Eimten,Ehux,Tcru,NA

Presence Eukaryota prob = 0.01

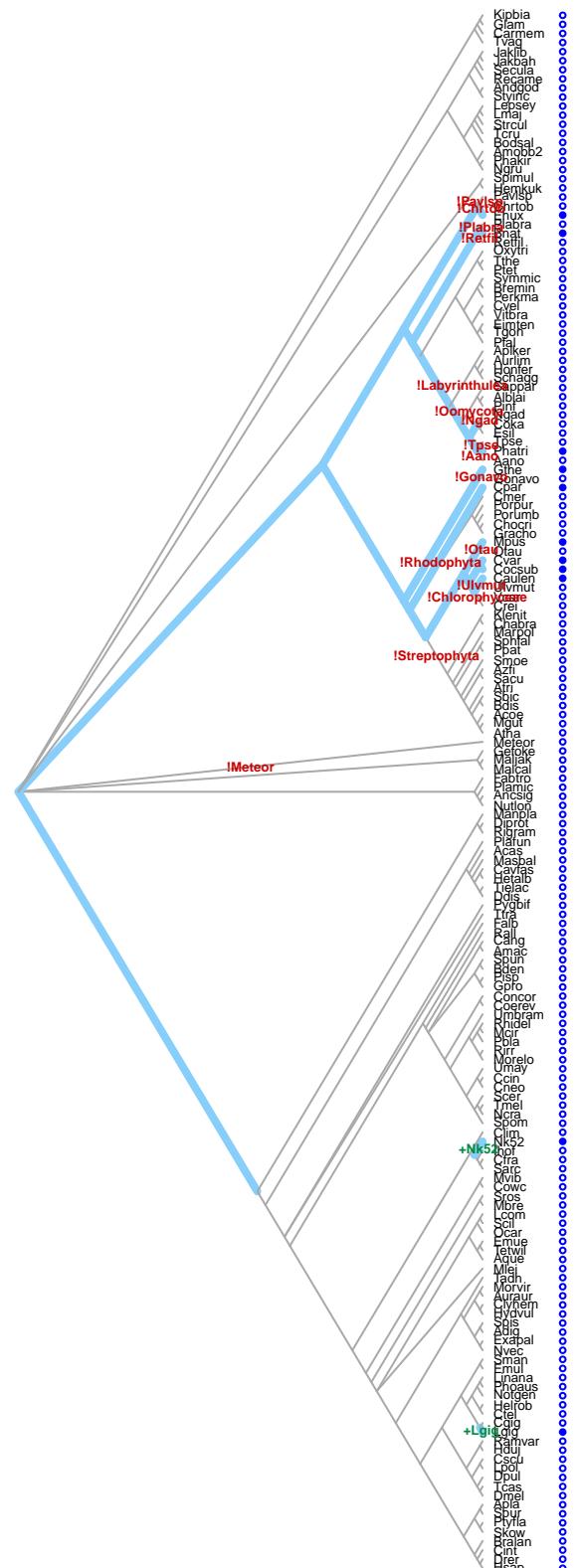
Present: 5

Losses: NA

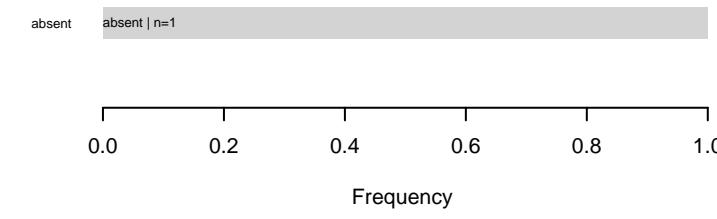
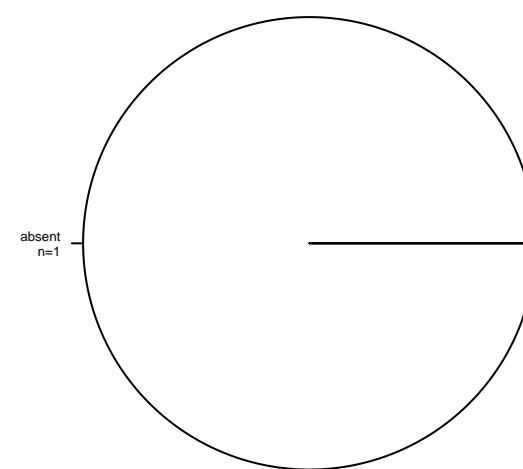


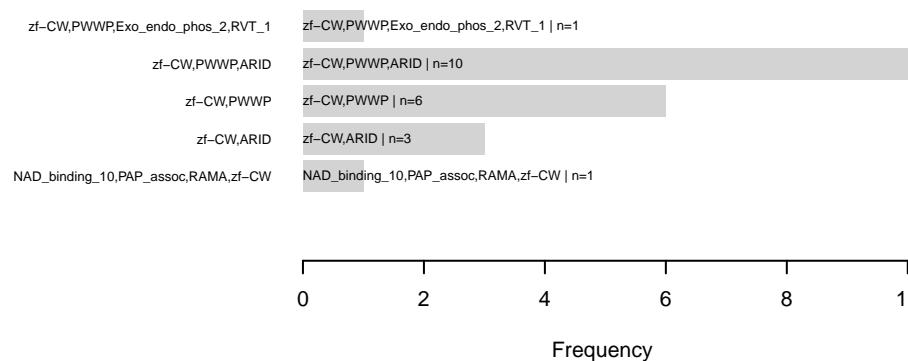
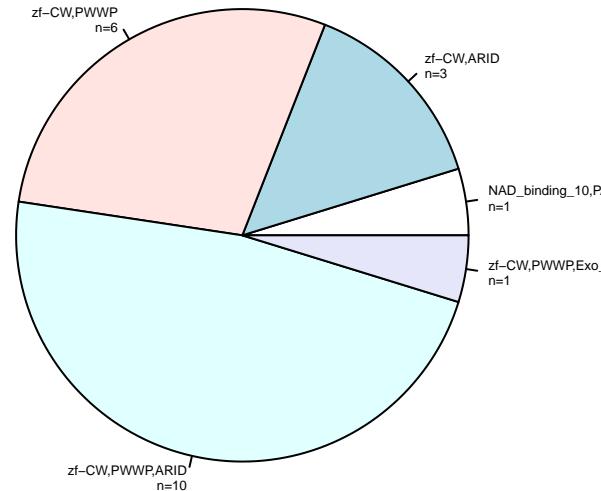
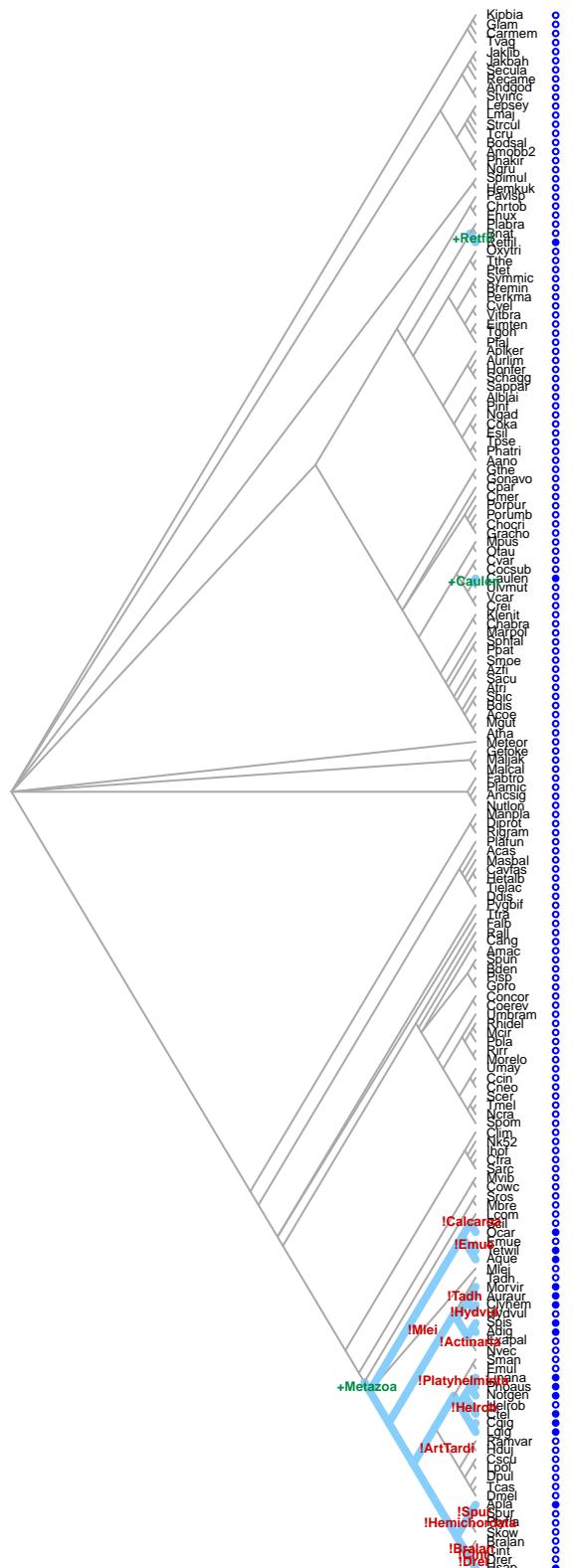


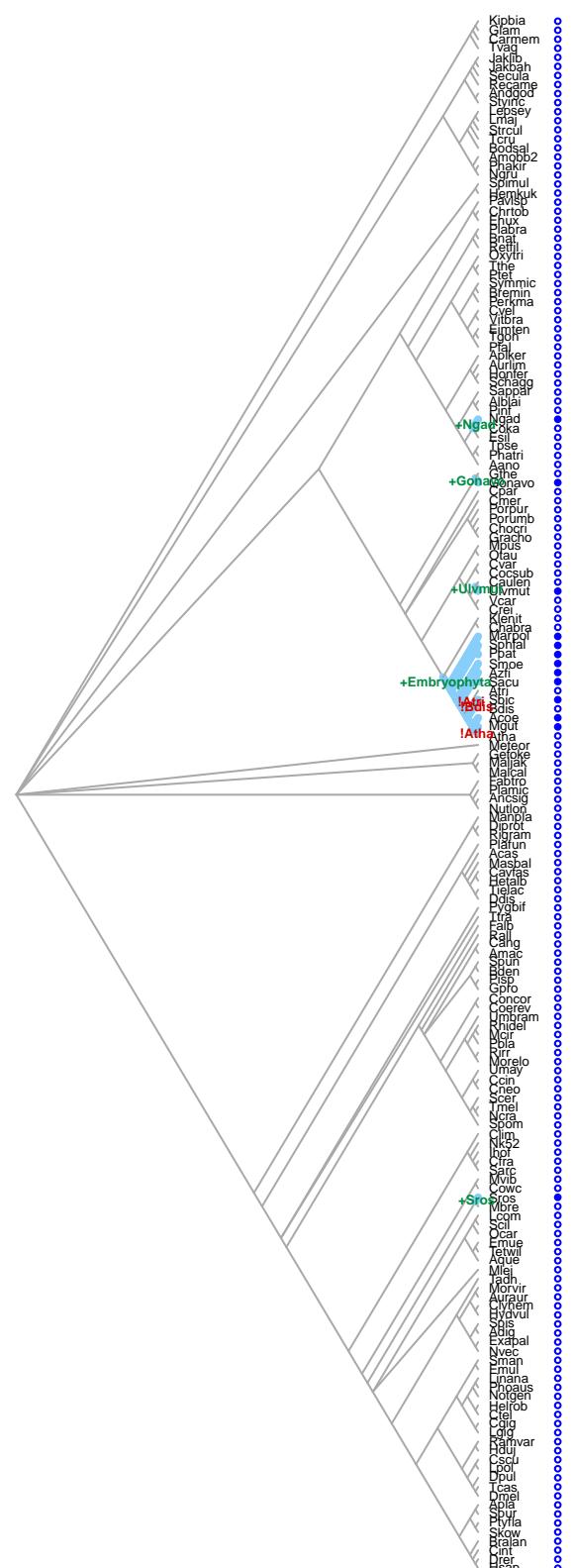
Gain: Nvec,NA
Presence Eukaryota prob = 0.97
Present: 11
Losses: NA



Gain: Lgig, Nk52, NA
Presence Eukaryota prob = 0.55
Present: 11
Losses: NA





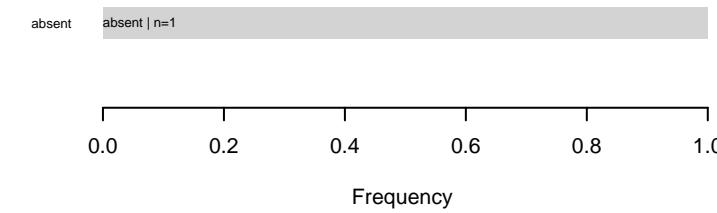
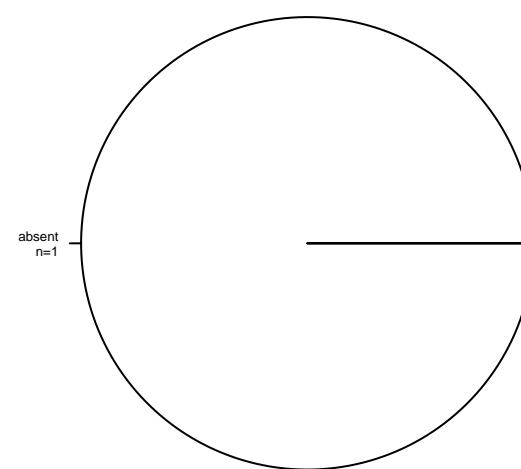


Gain: Sros, Embryophyta, Ulvmut, Gonavo, Ngad, NA

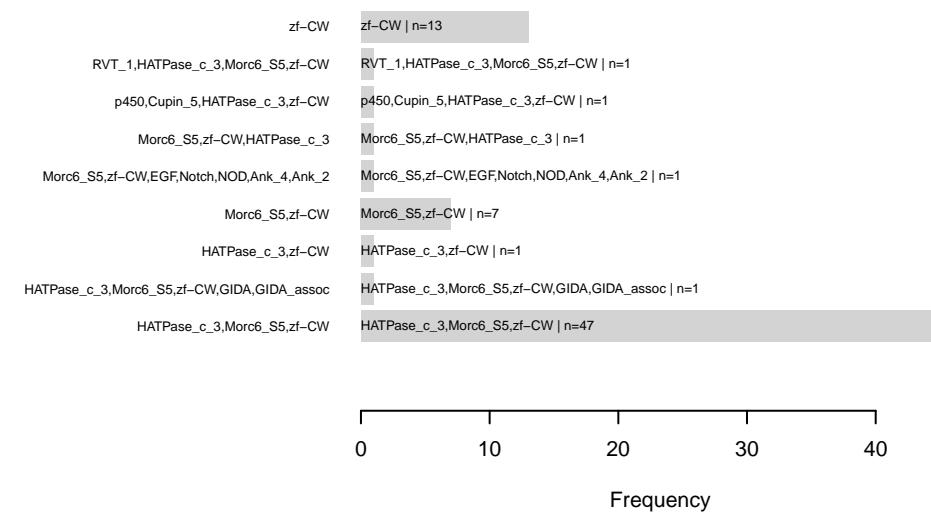
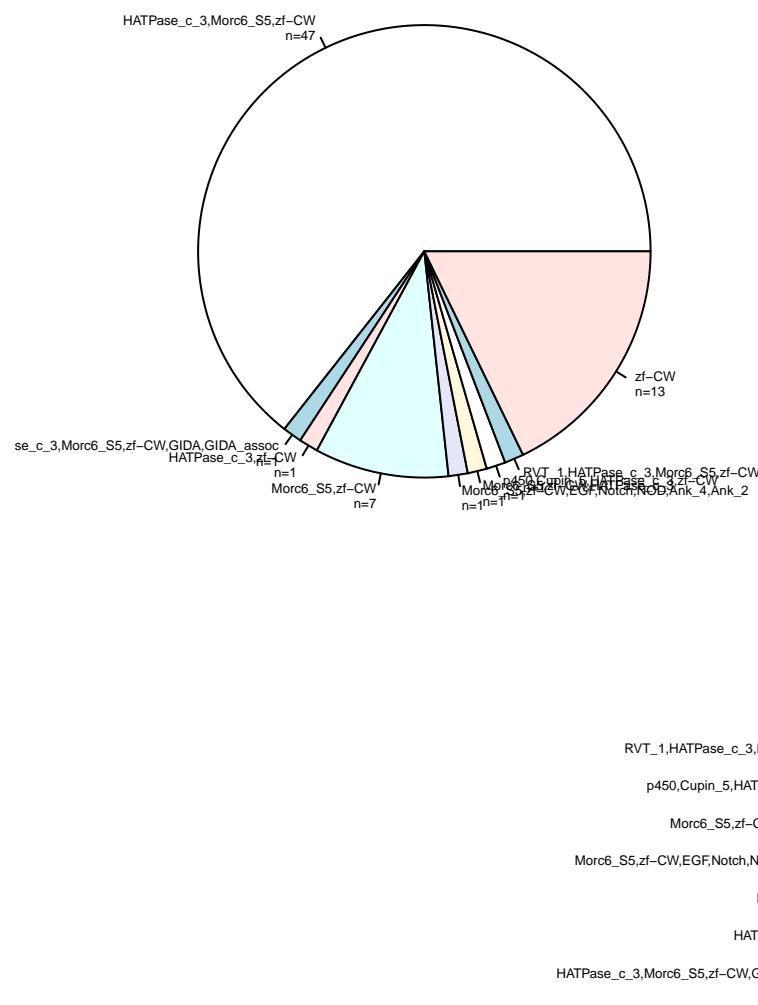
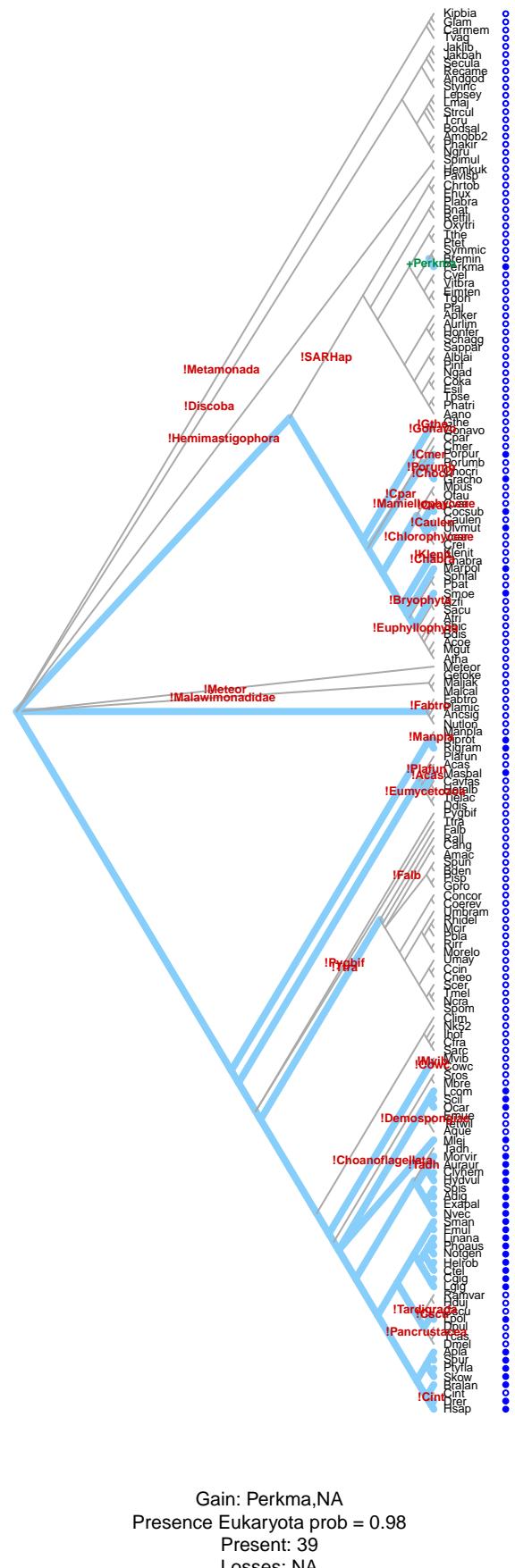
Presence Eukaryota prob = 0.05

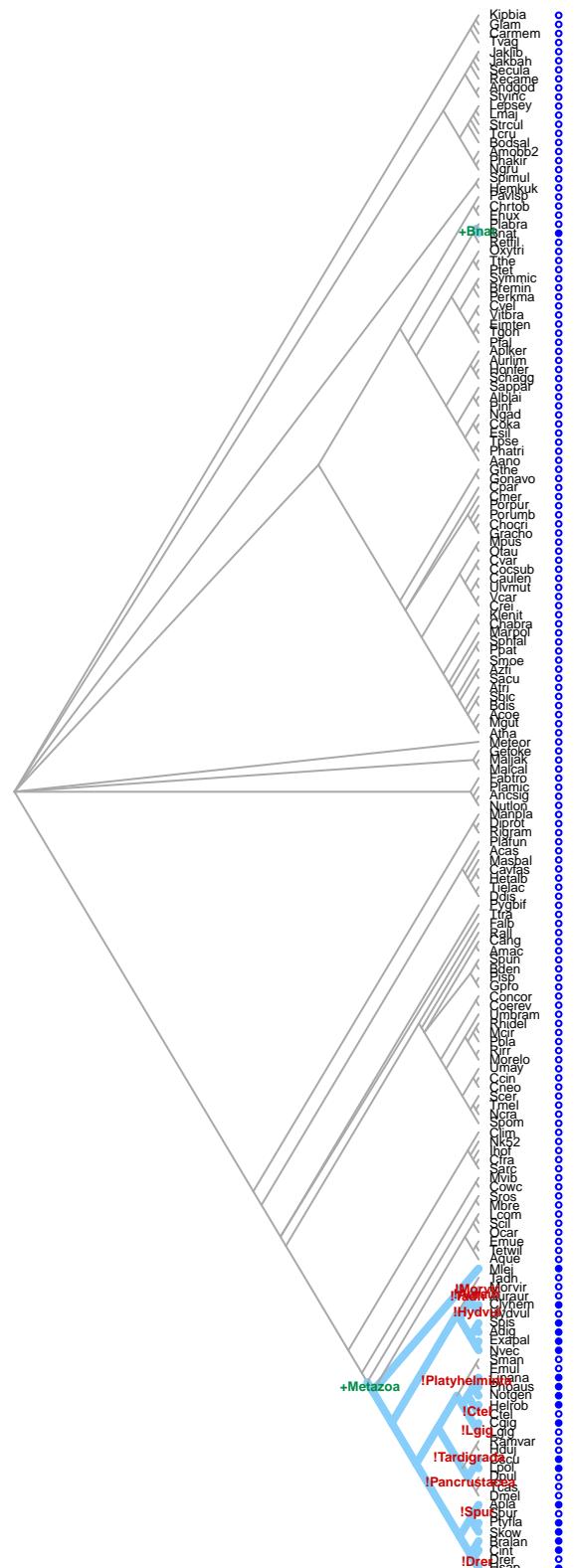
Present: 13

Losses: NA

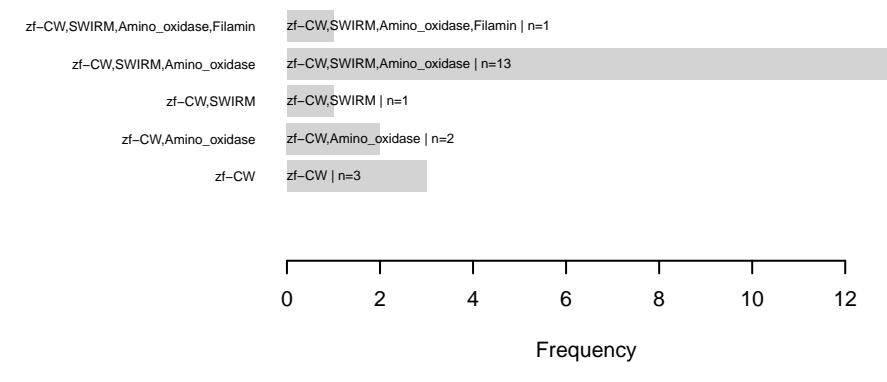
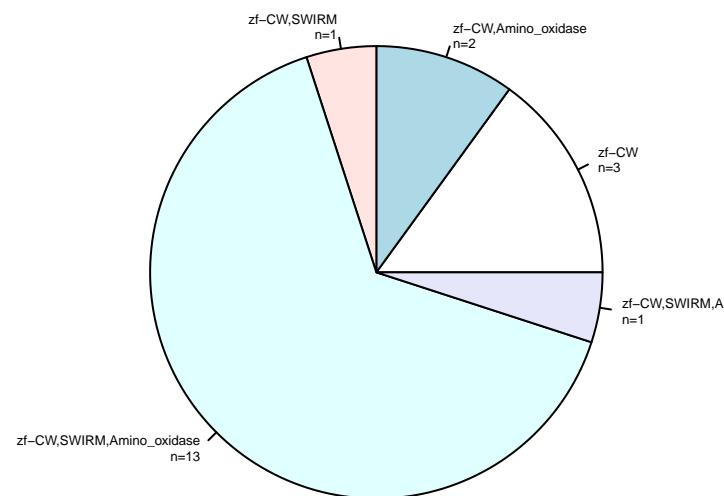


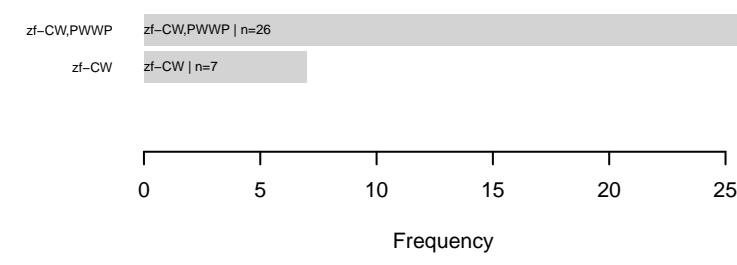
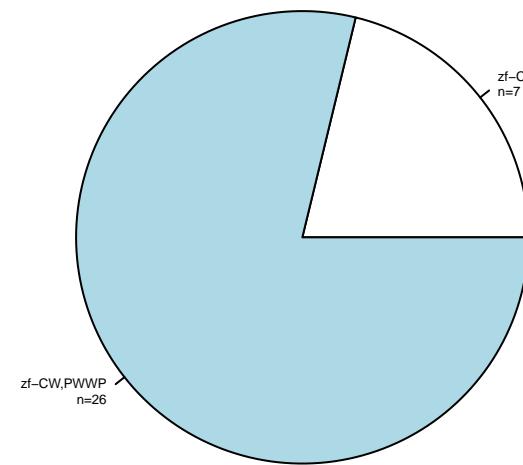
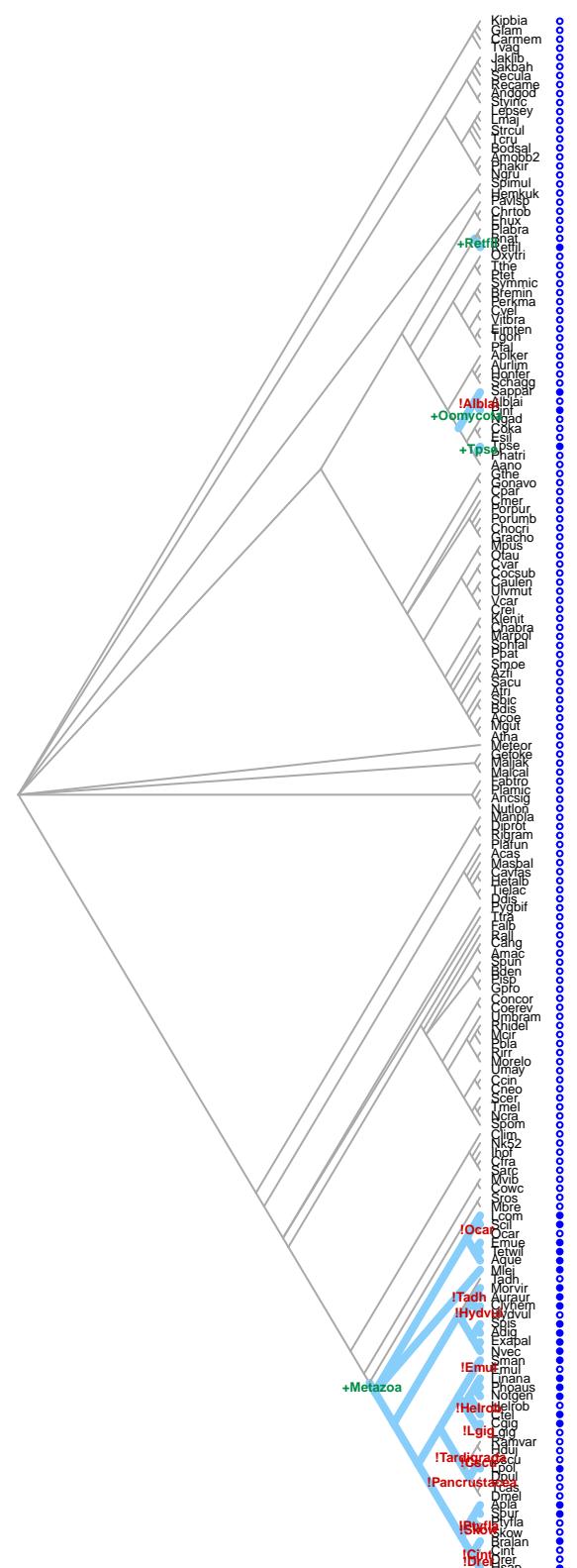
zf-CW.HG1.6
MORC1/MORC2/MORC3/MORC4

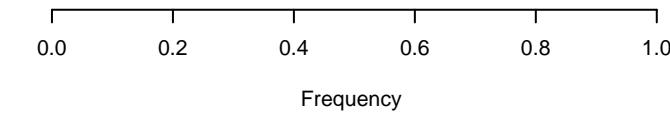
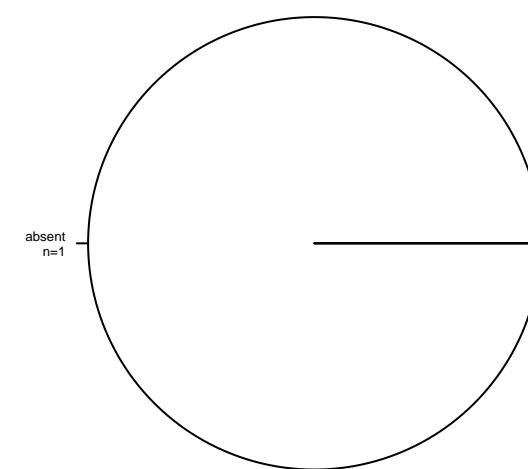
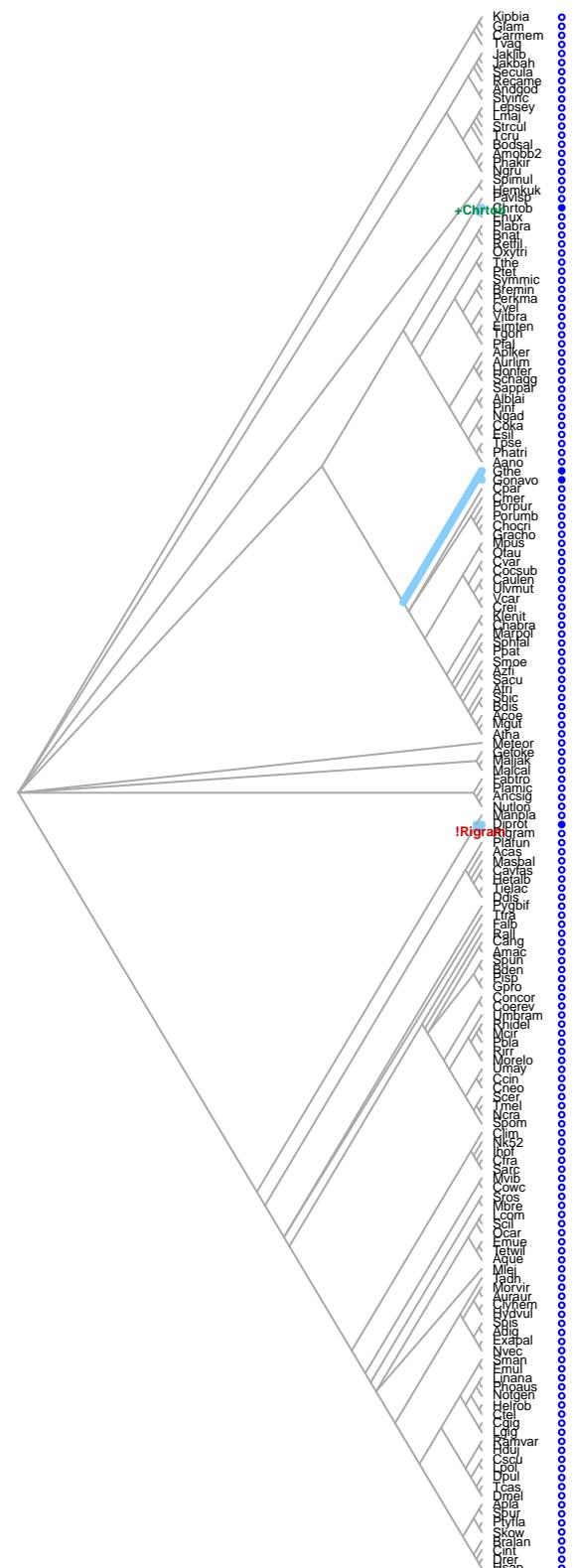


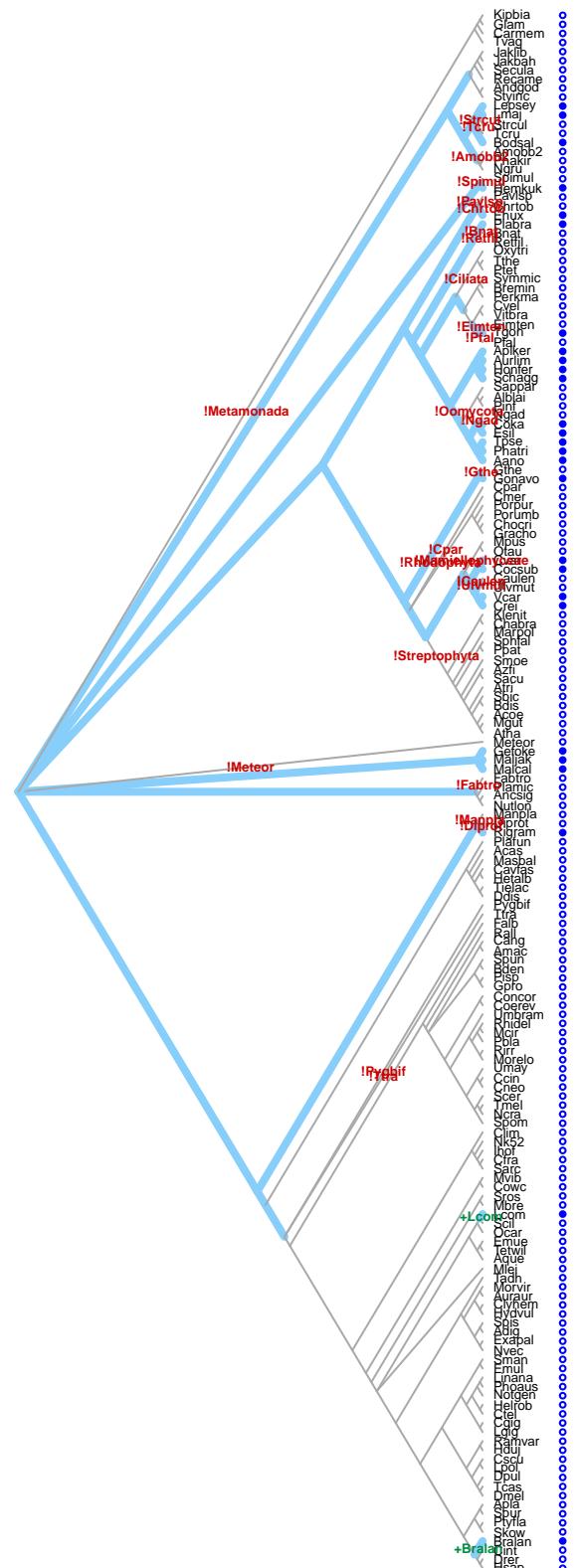


Gain: Metazoa, Bnat, NA
Presence Eukaryota prob = 0.03
Present: 20
Losses: NA

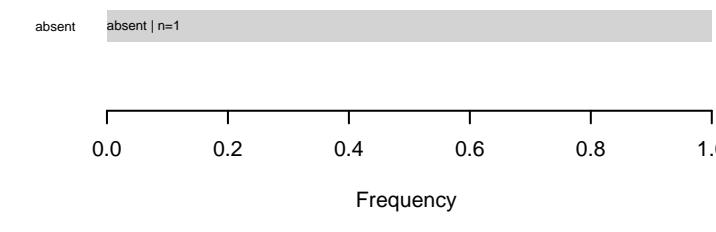
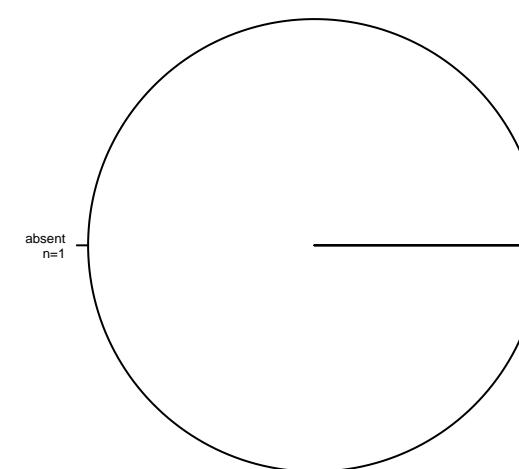


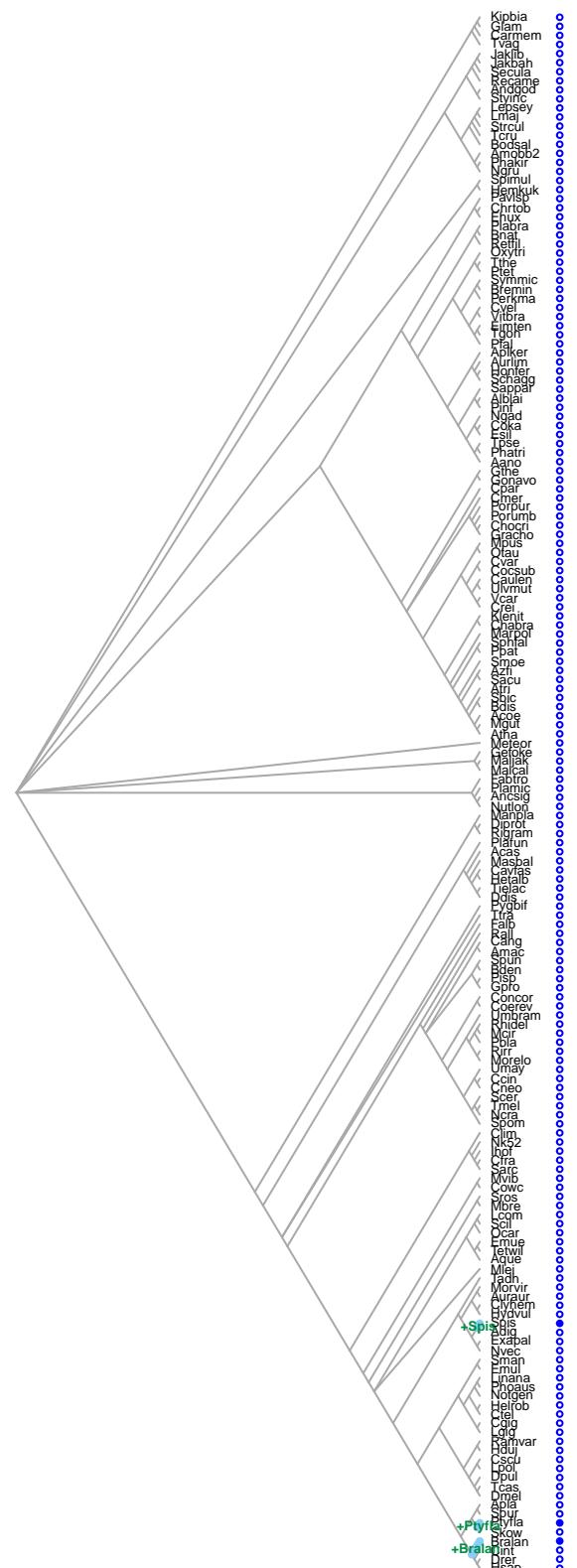






Gain: Bralan,Lcom,NA
Presence Eukaryota prob = 1.00
Present: 27
Losses: NA



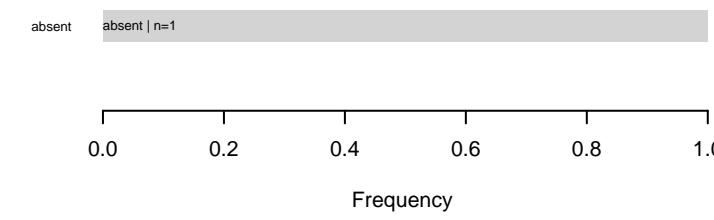
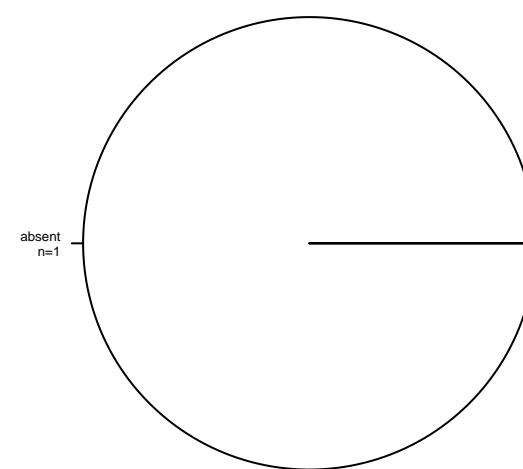


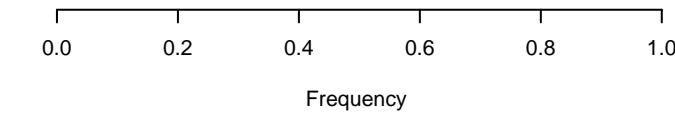
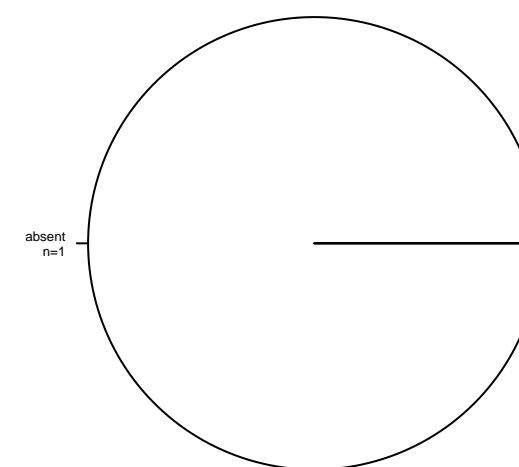
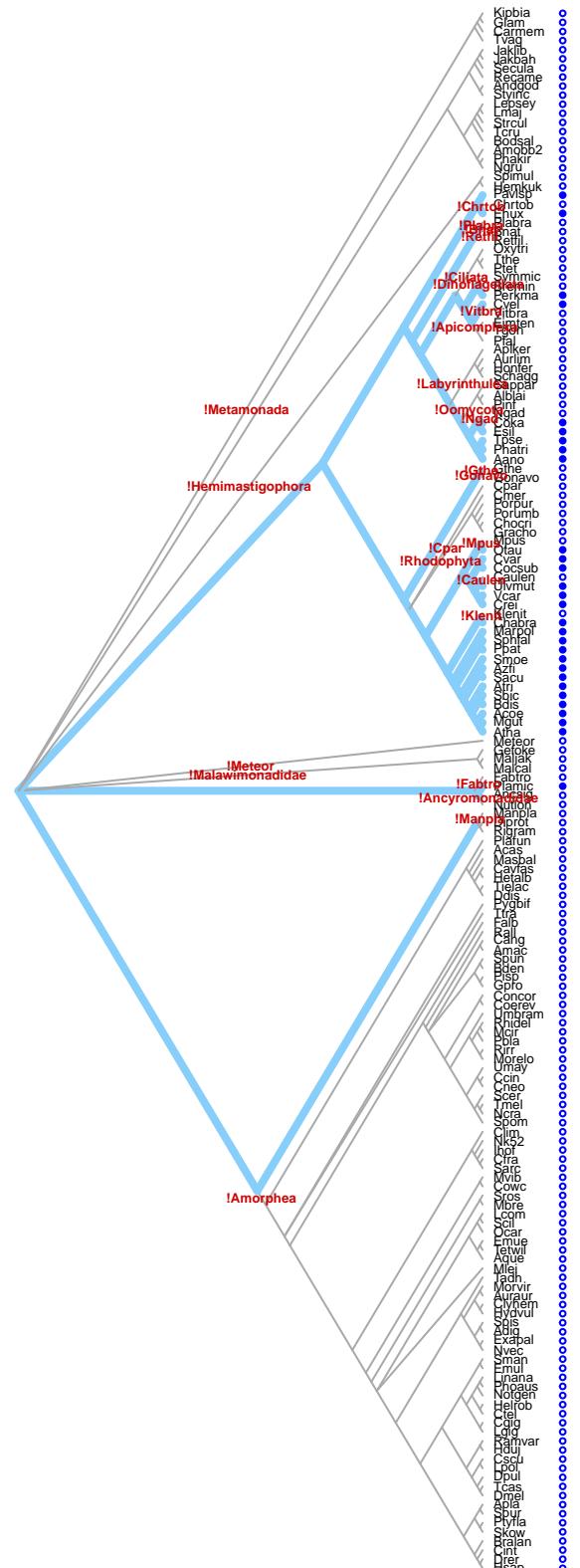
Gain: Bralan,Ptyfla,Spis,NA

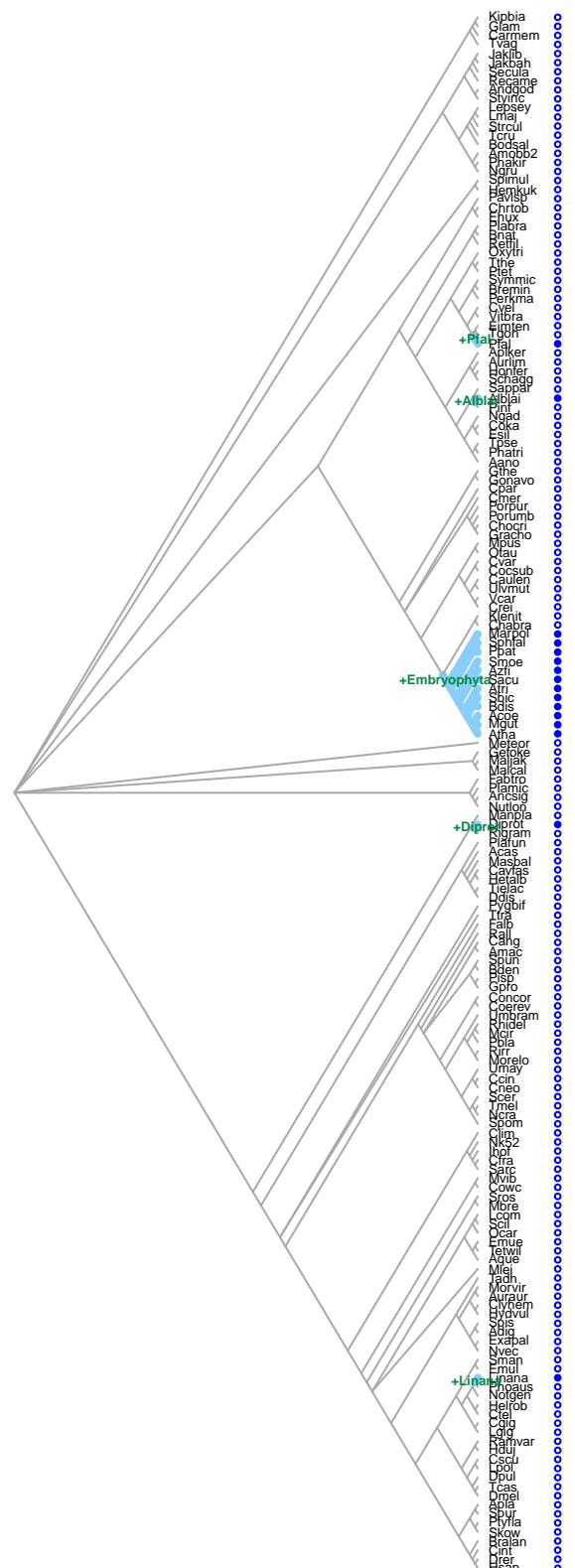
Presence Eukaryota prob = 0.00

Present: 3

Losses: NA





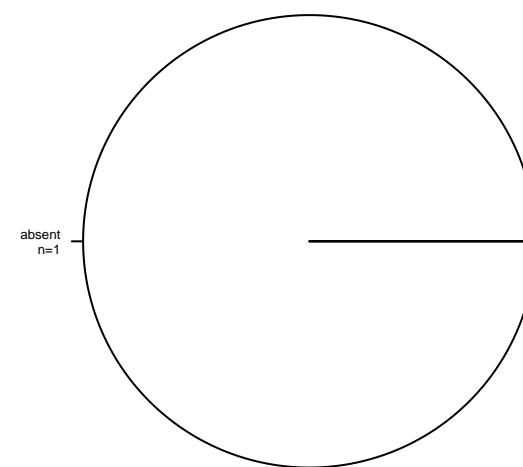


Gain: Linana, Diprot, Embryophyta, Alblai, Pfal, NA

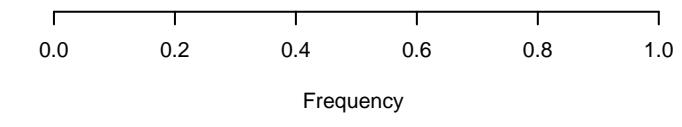
Presence Eukaryota prob = 0.01

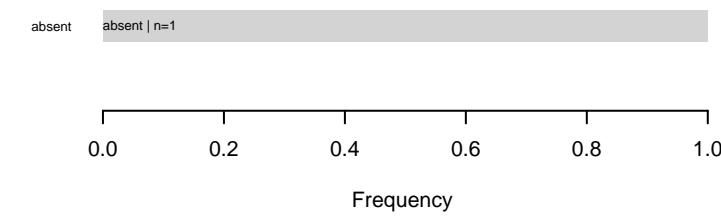
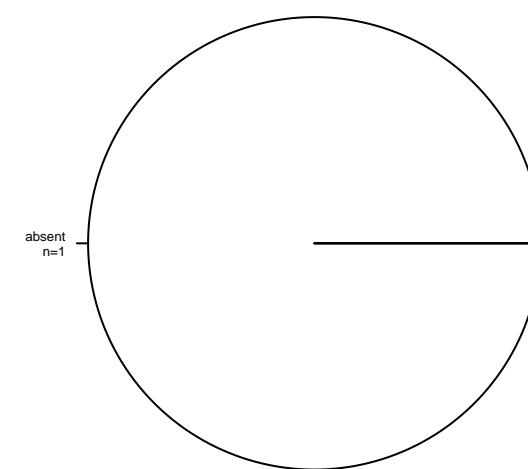
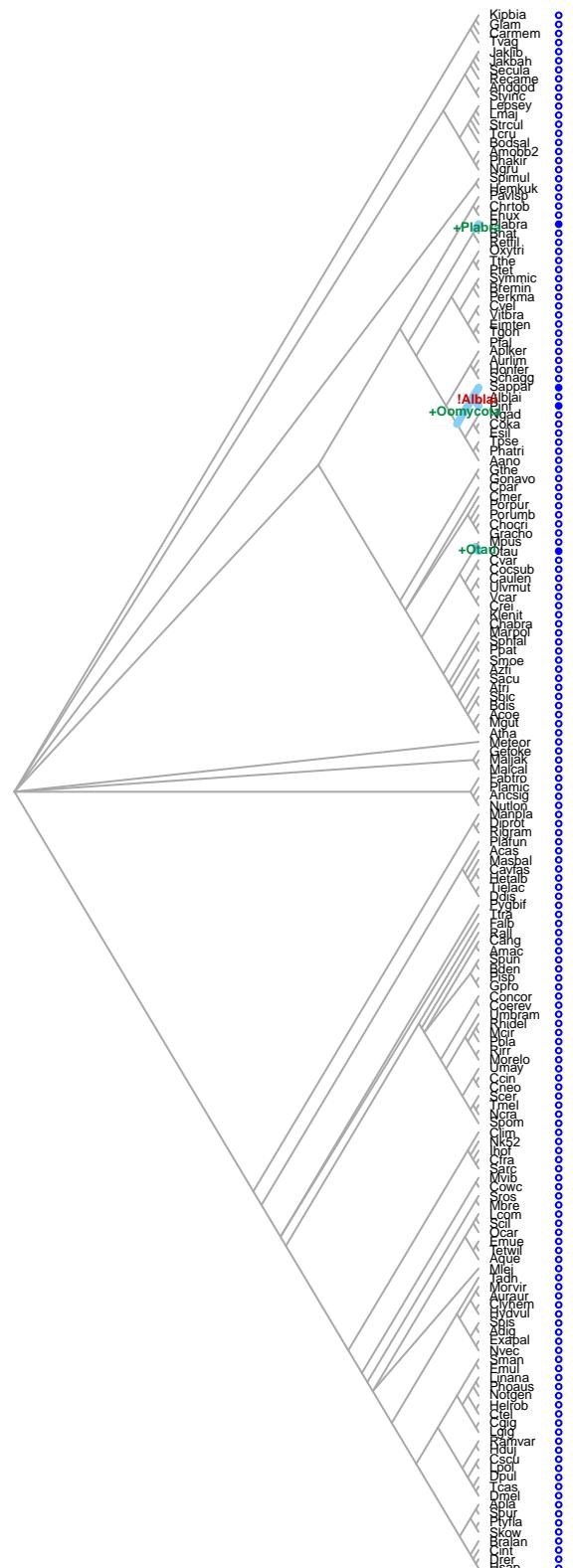
Present: 16

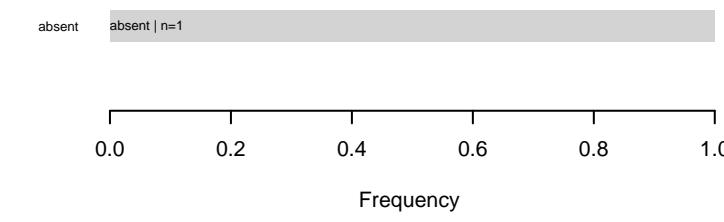
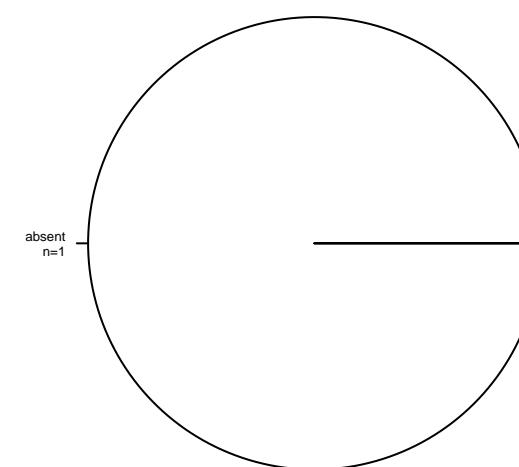
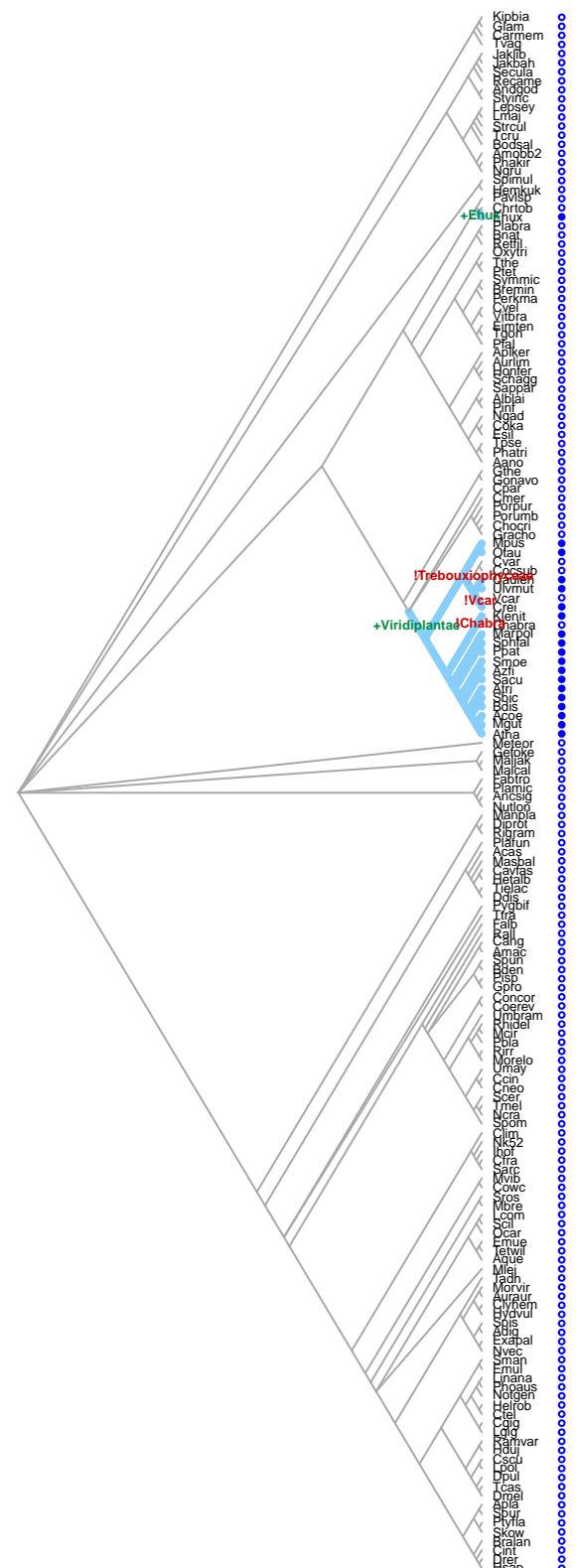
Losses: NA

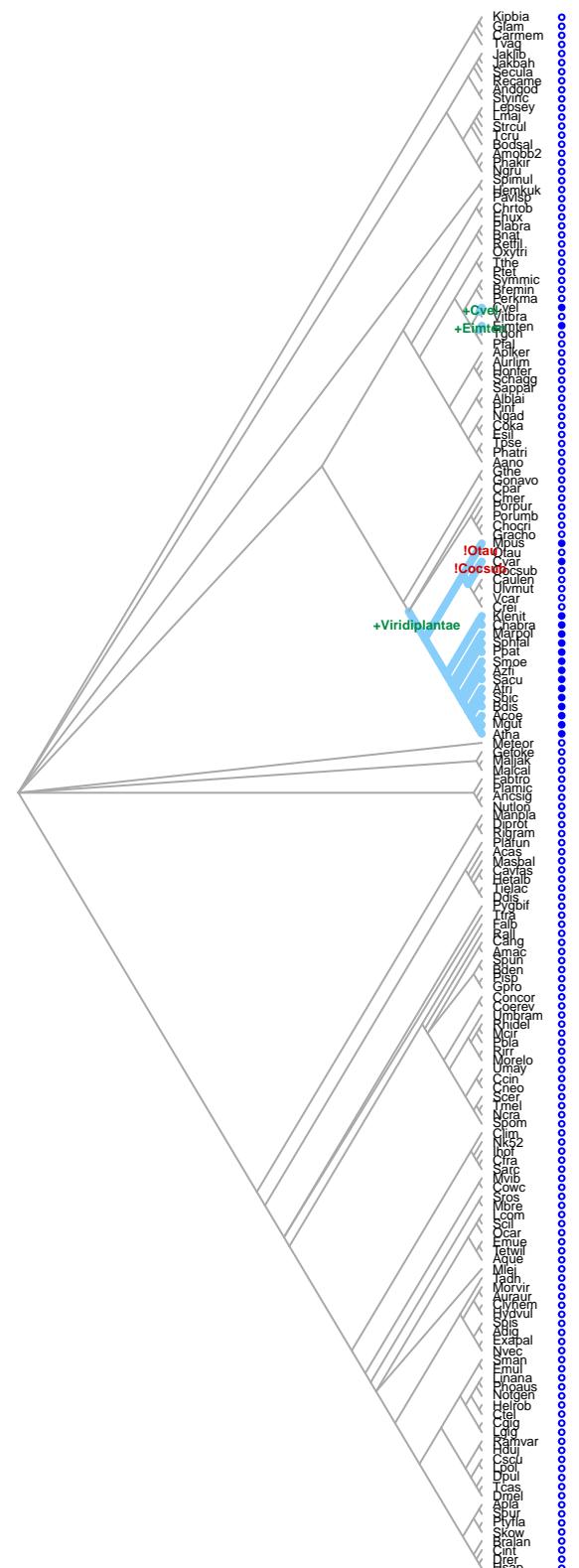


absent absent | n=1







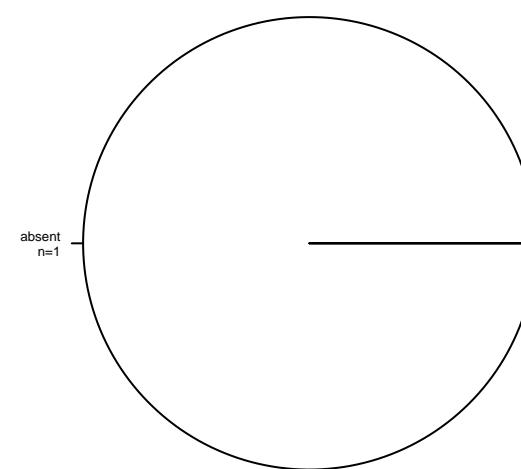


Gain: Viridiplantae,Eimten,Cvel,NA

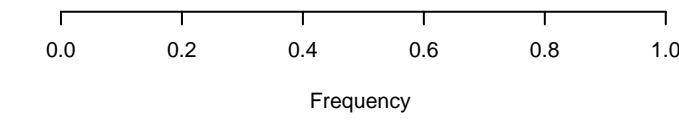
Presence Eukaryota prob = 0.02

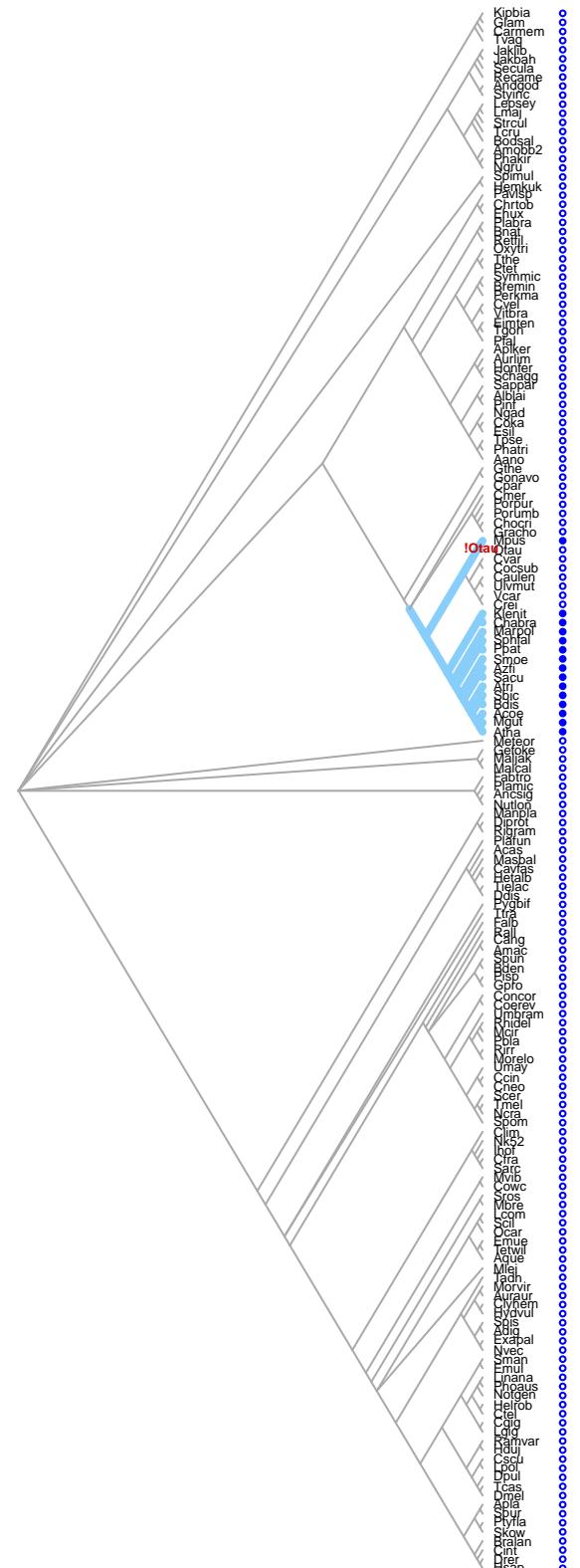
Present: 18

Losses: NA

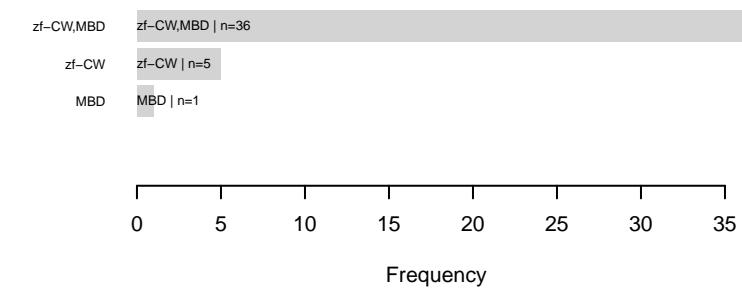
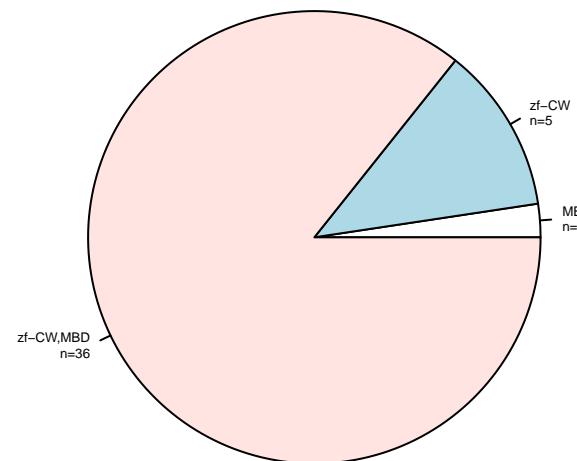


absent | n=1

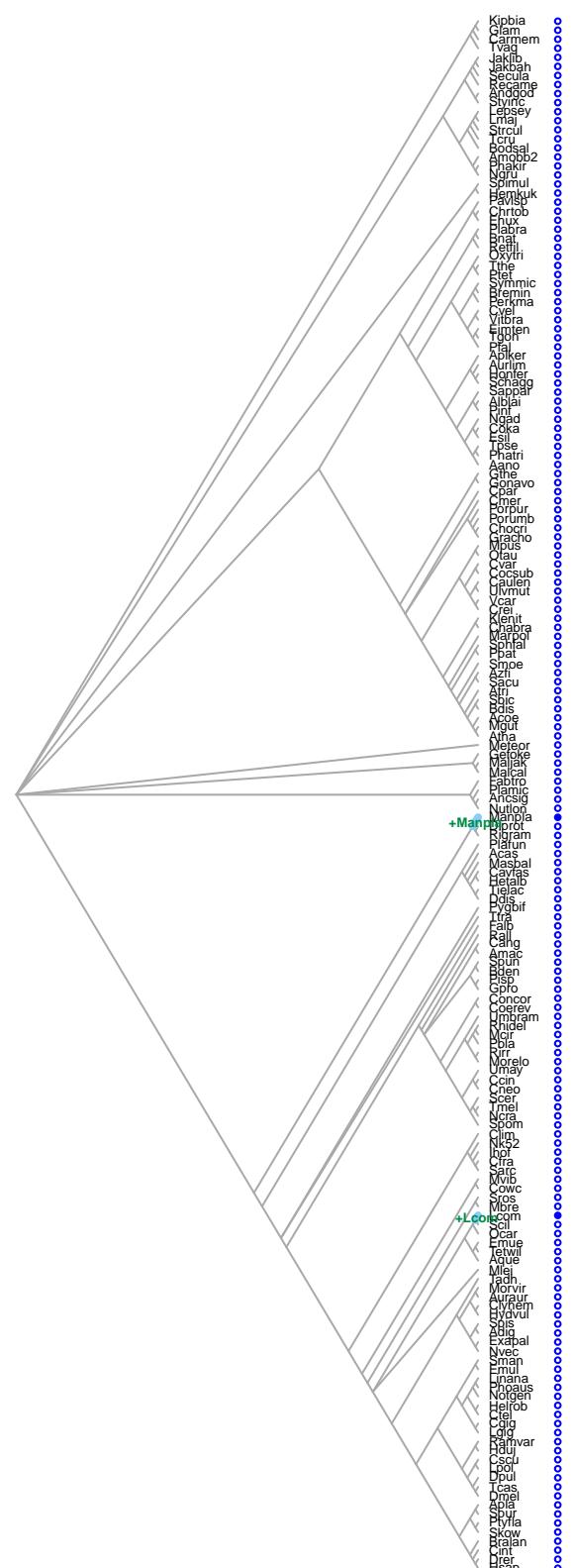




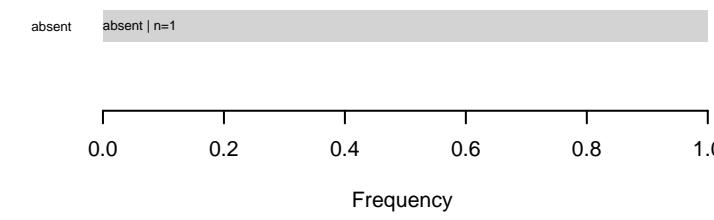
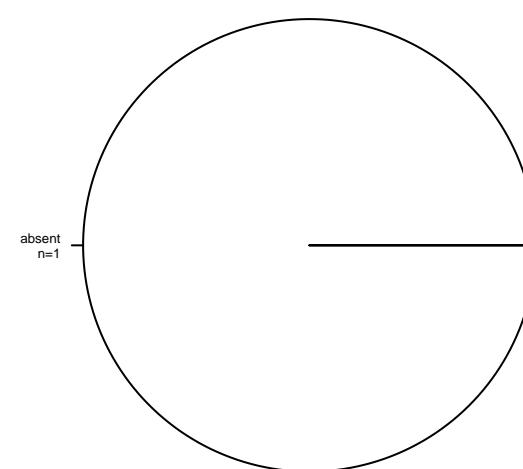
Gain: NA
Presence Eukaryota prob = 0.01
Present: 15
Losses: NA

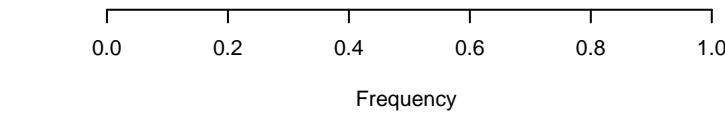
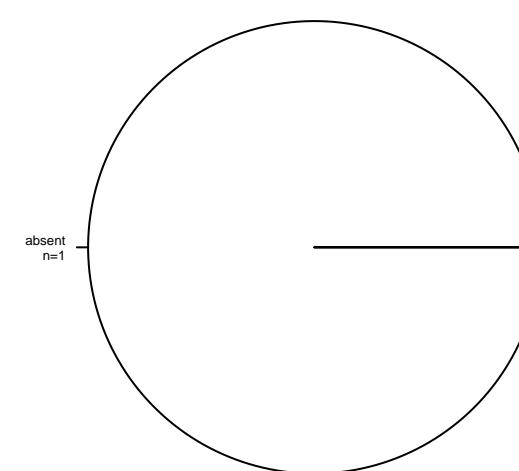
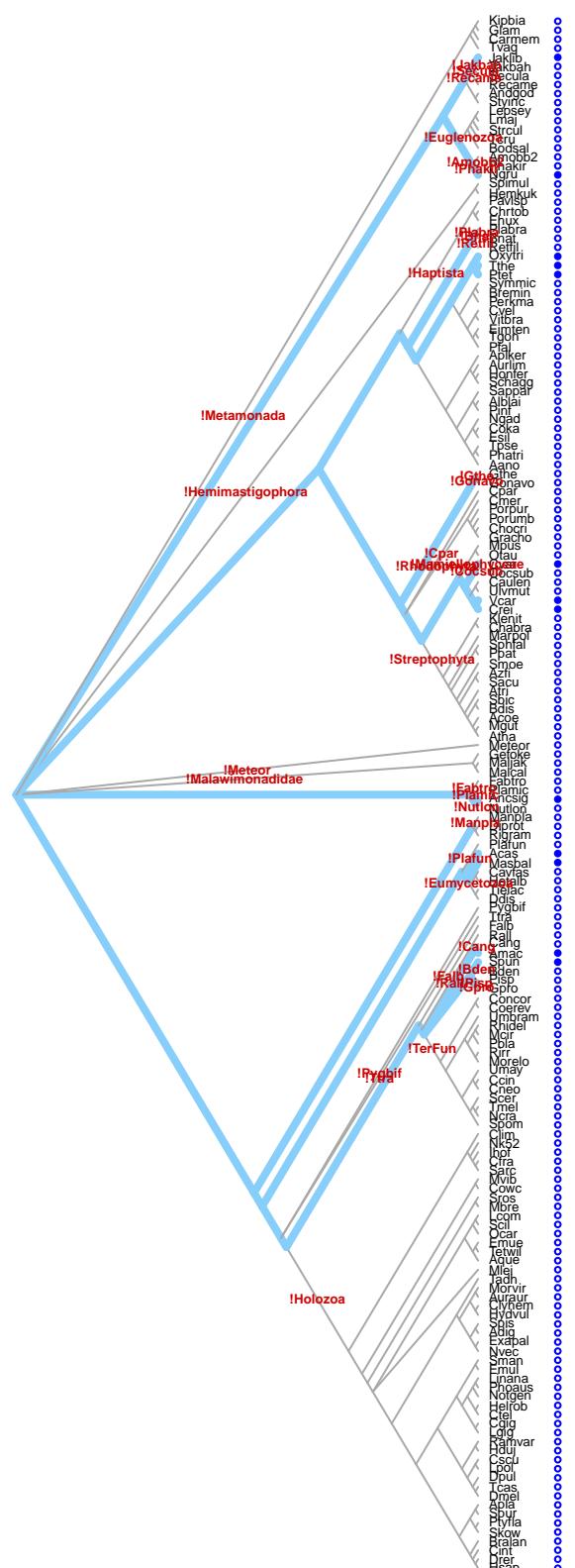


YEATS.HG1.0
like:MLLT1/MLLT3/YEATS2/YEATS4

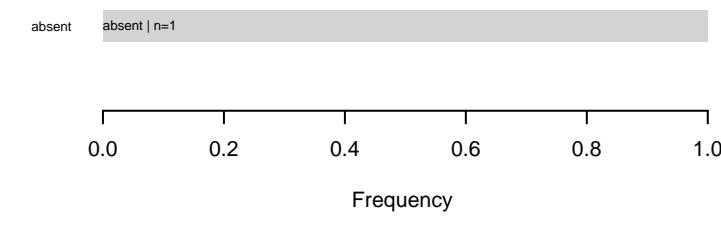
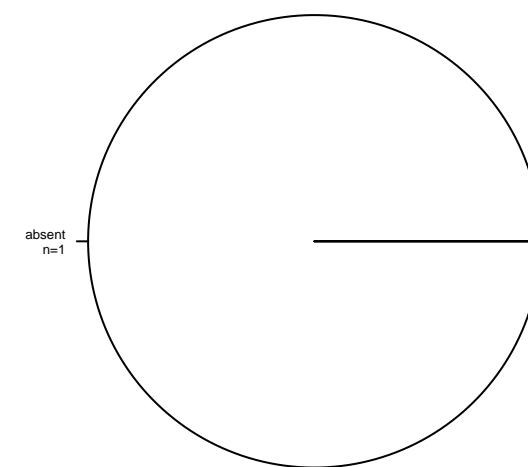
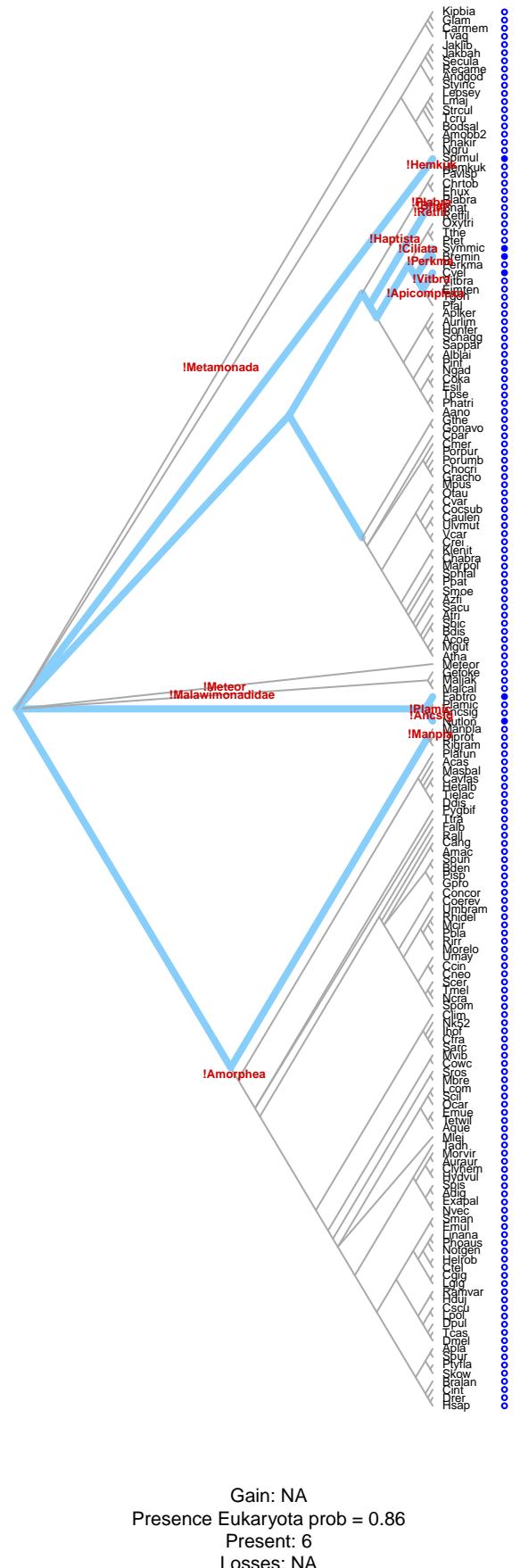


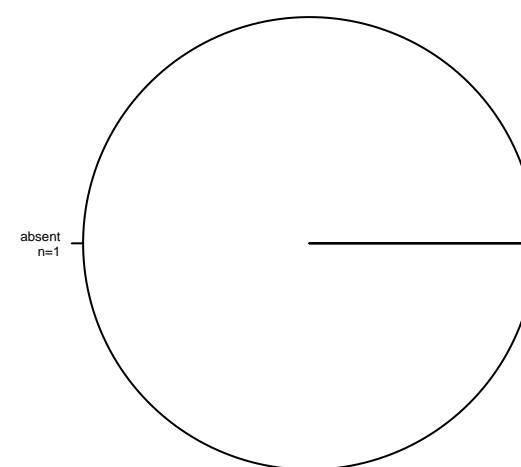
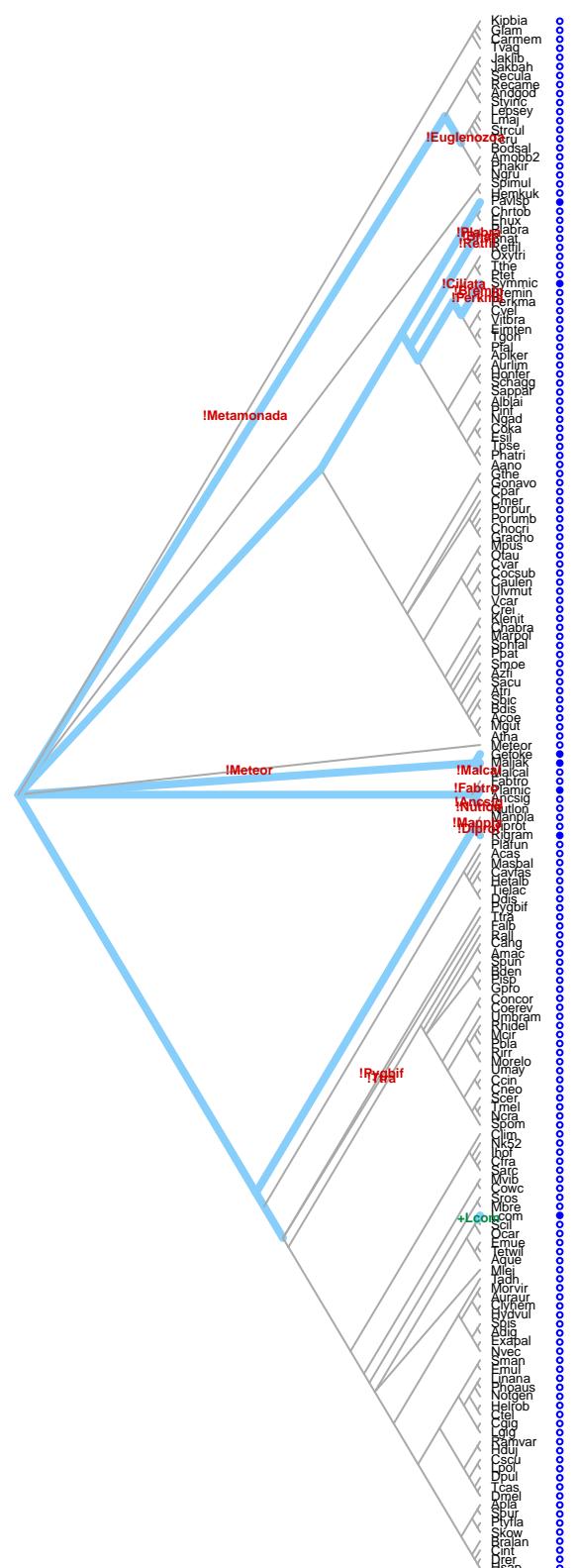
Gain: Lcom,Manpla,NA
Presence Eukaryota prob = 0.03
Present: 2
Losses: NA



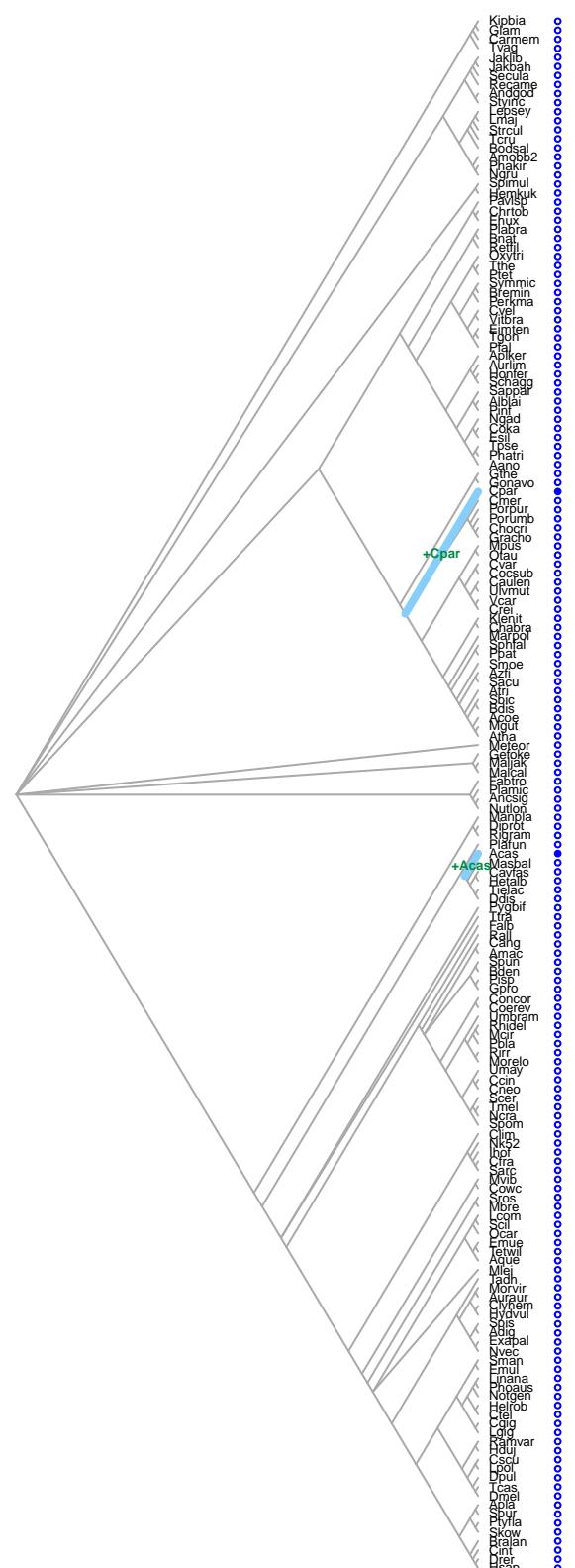


YEATS.HG1.2
like:MLLT1/MLLT3/YEATS2/YEATS4

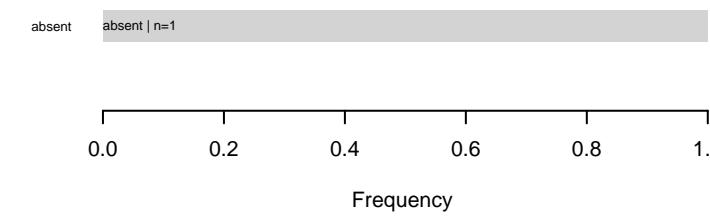
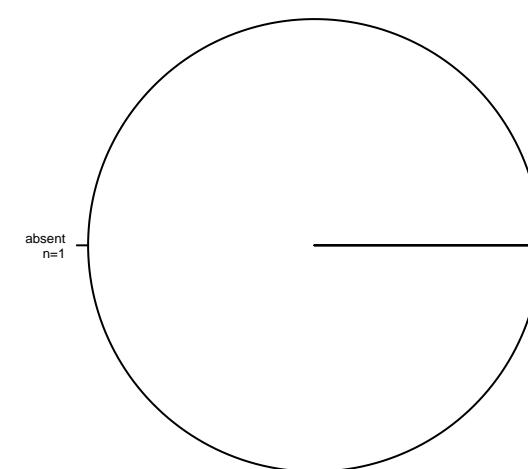




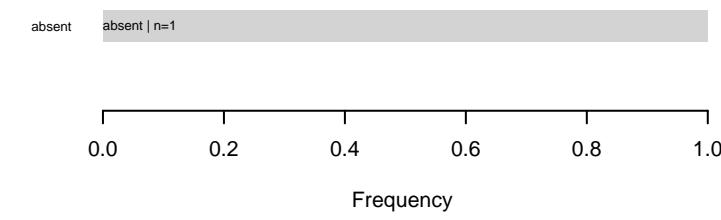
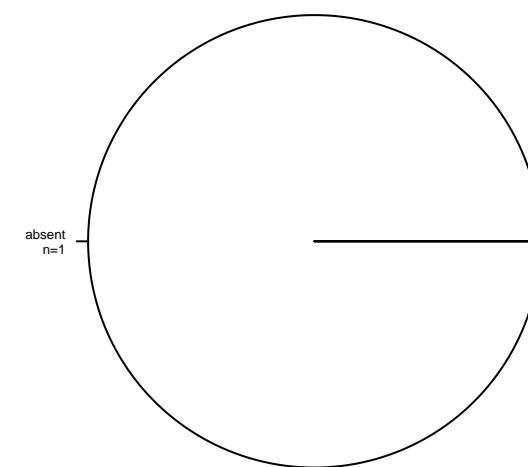
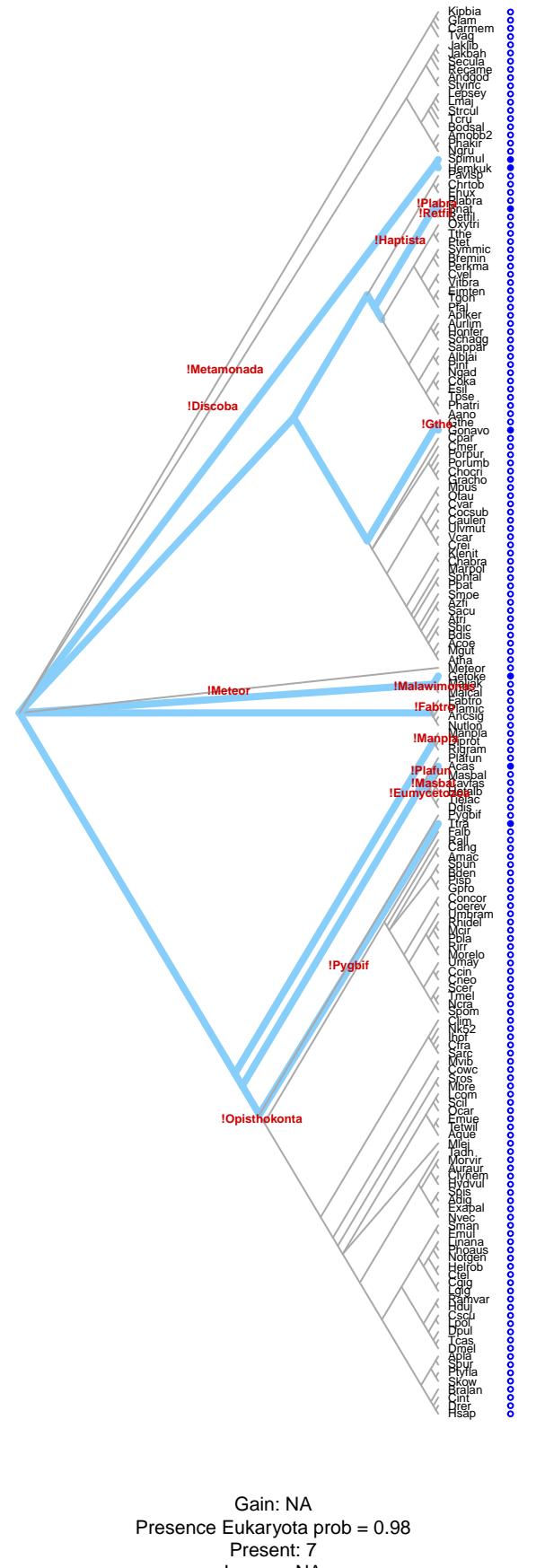
YEATS.HG1.4
like:MLLT1/MLLT3/YEATS2/YEATS4

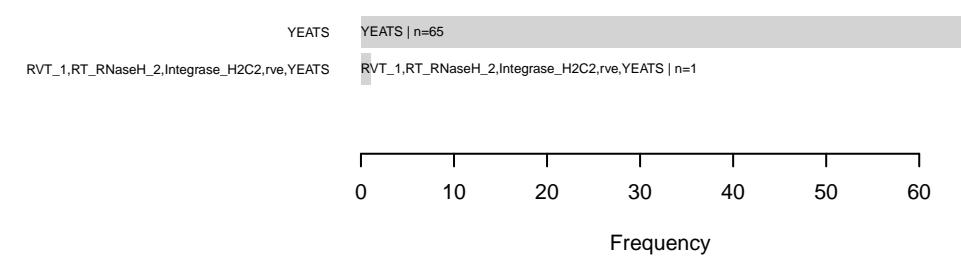
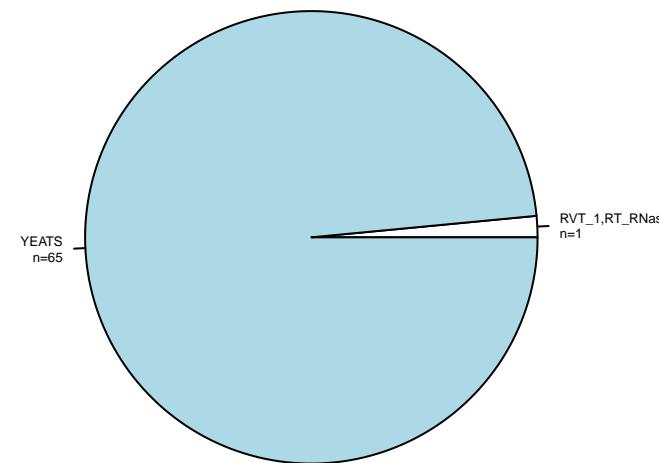
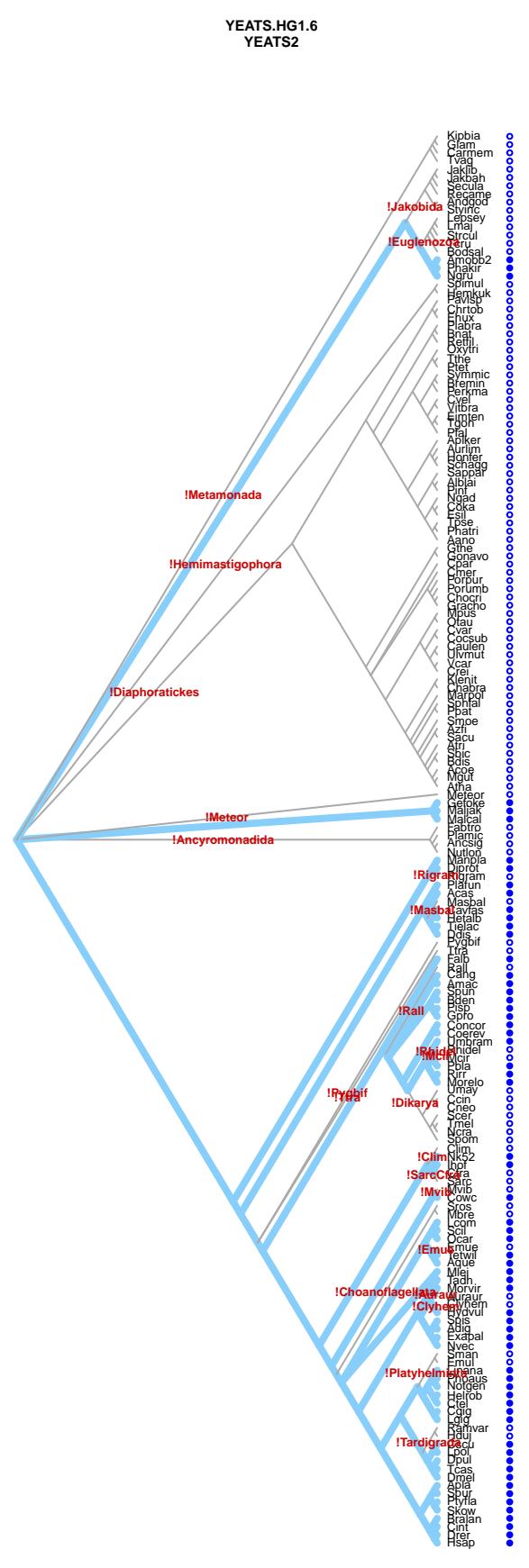


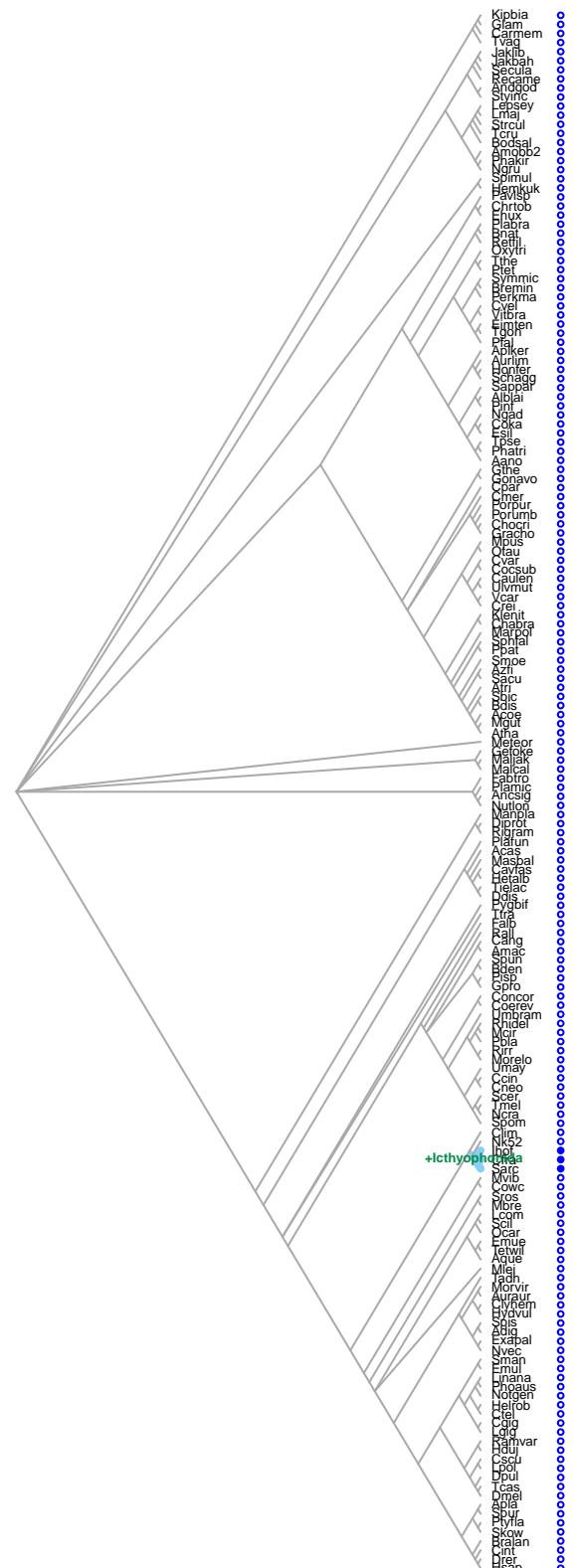
Gain: Acas,Cpar,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



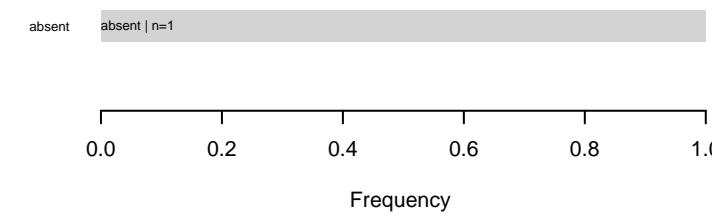
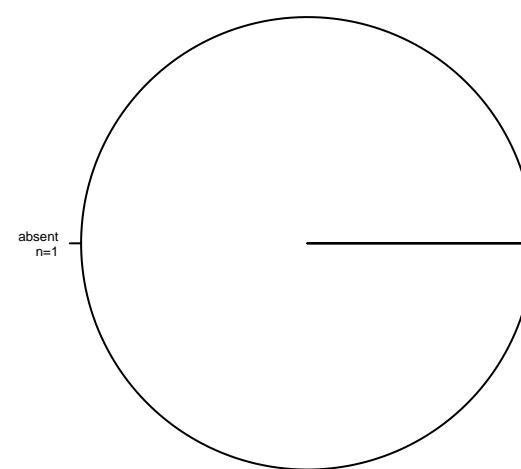
YEATS.HG1.5
like:MLLT1/MLLT3/YEATS2/YEATS4





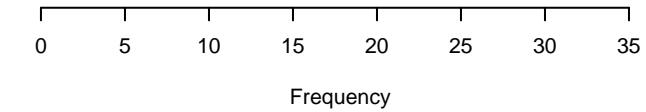
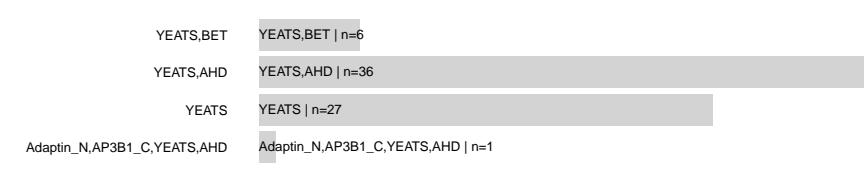
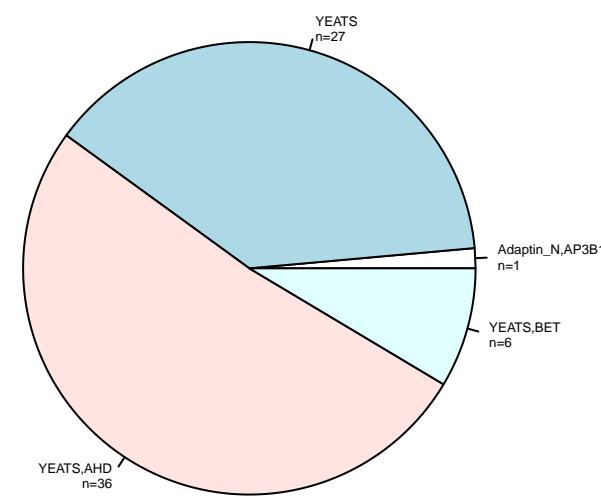
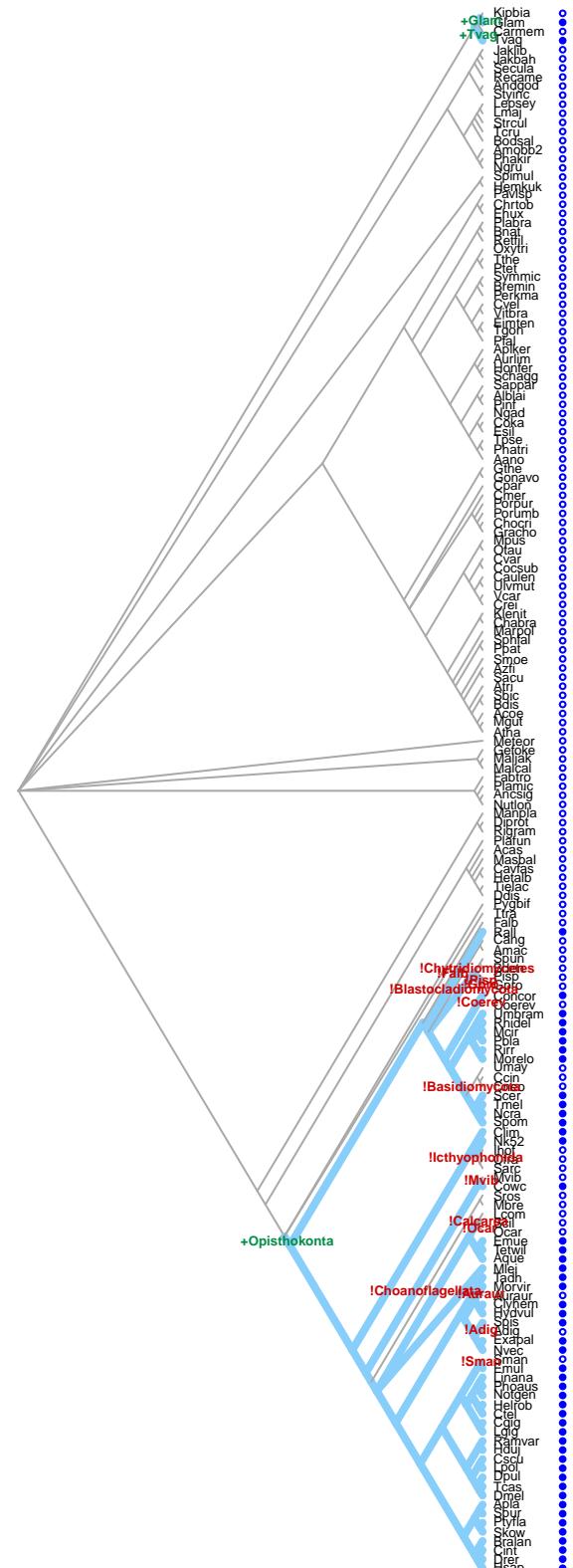


Gain: Ictyophonida,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

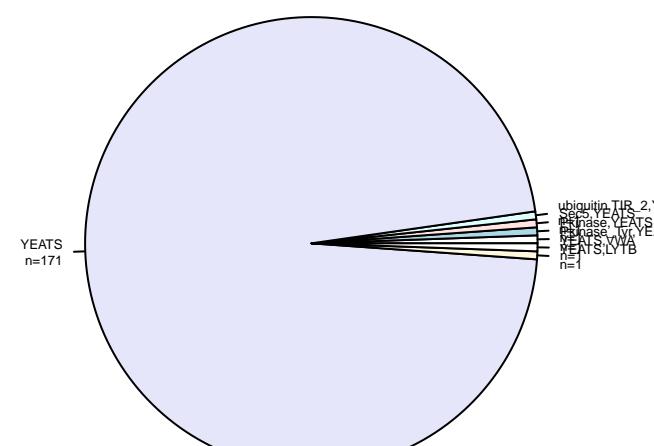
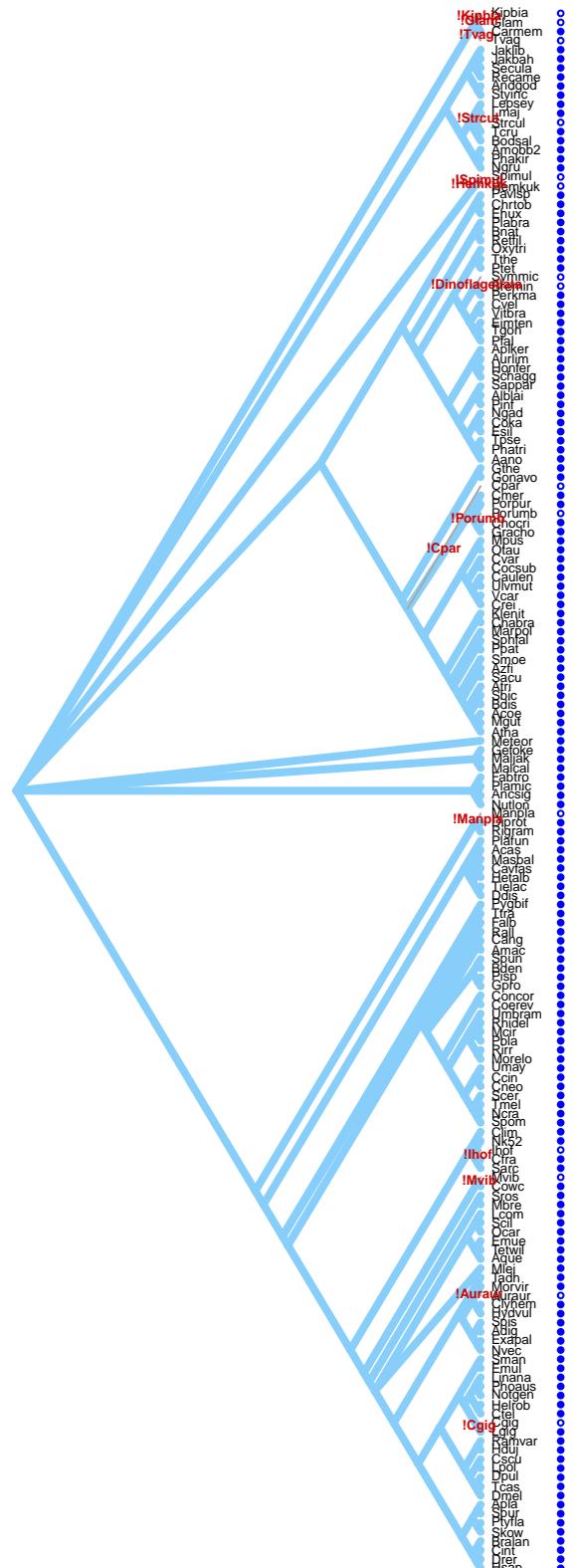


0.0 0.2 0.4 0.6 0.8 1.0

Frequency



YEATS.HG1.9
YEATS4



Ubiquitin,TIR_2,YEATS
Pkinase,YEATS
Pkinase,VWA,YEATS
Pkinase,VWA,LYTB
YEATS,LYTB
n=1

YEATS,VWA	YEATS,VWA n=1
YEATS,LYTB	YEATS,LYTB n=1
YEATS	YEATS n=171
ubiquitin,TIR_2,YEATS	ubiquitin,TIR_2,YEATS n=1
Sec5,YEATS	Sec5,YEATS n=1
Pkinase,YEATS	Pkinase,YEATS n=1
Pkinase_Tyr,YEATS	Pkinase_Tyr,YEATS n=1

0 50 100 150

Frequency