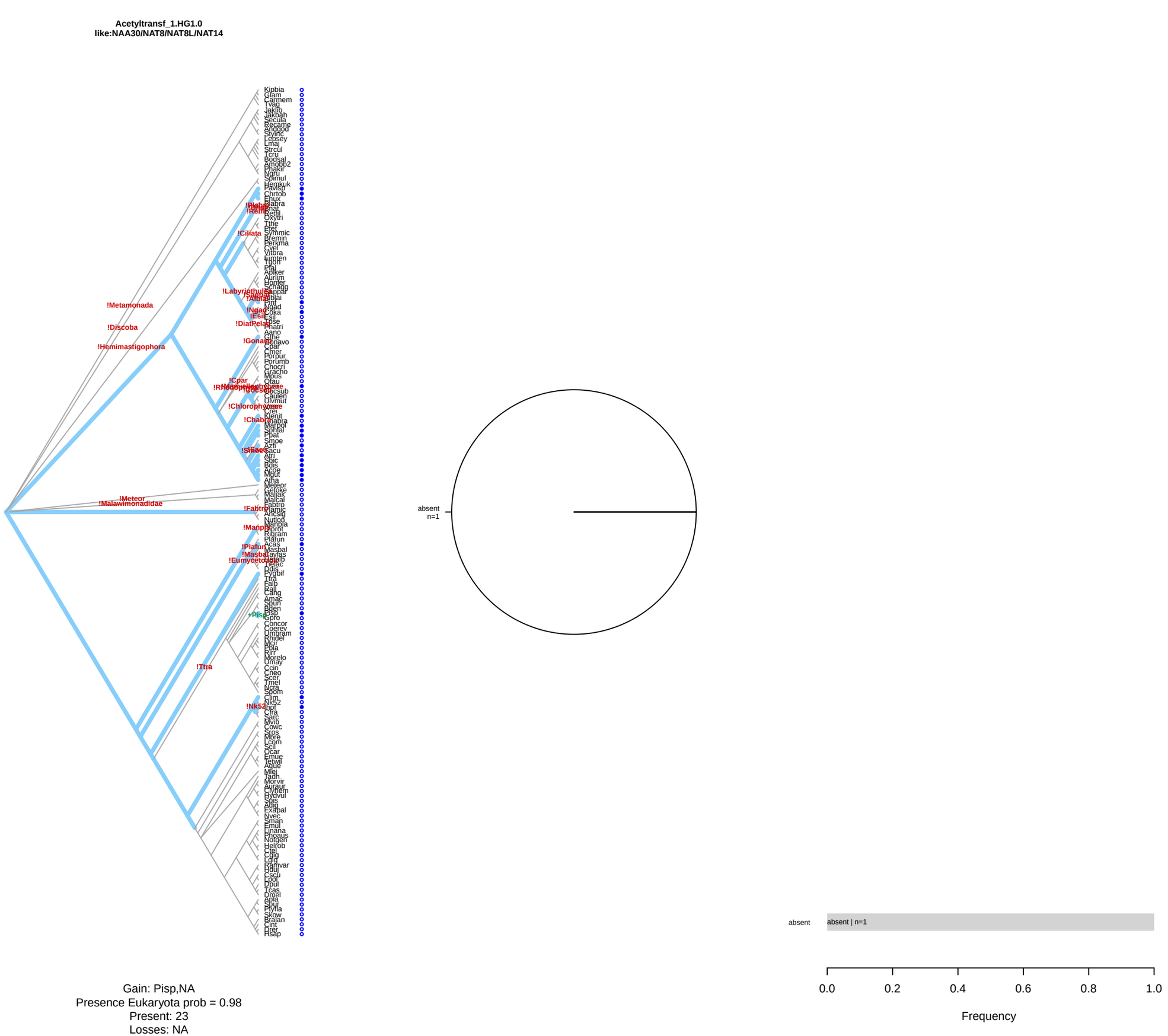
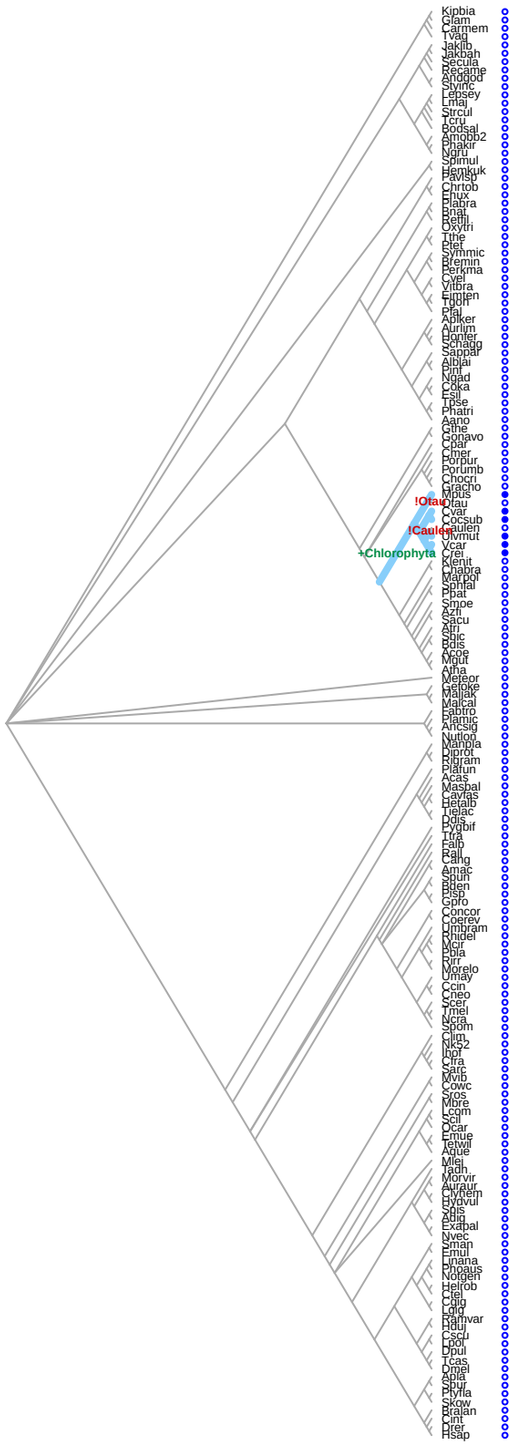
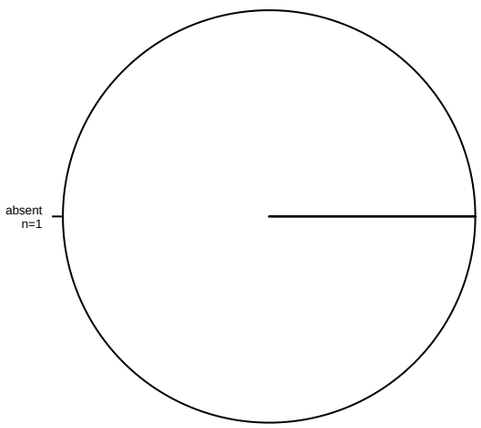
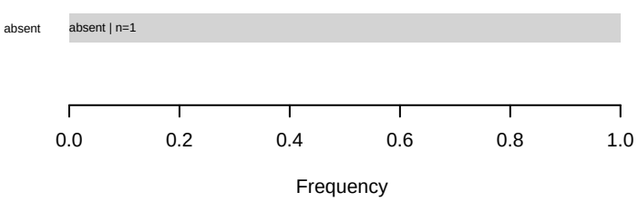


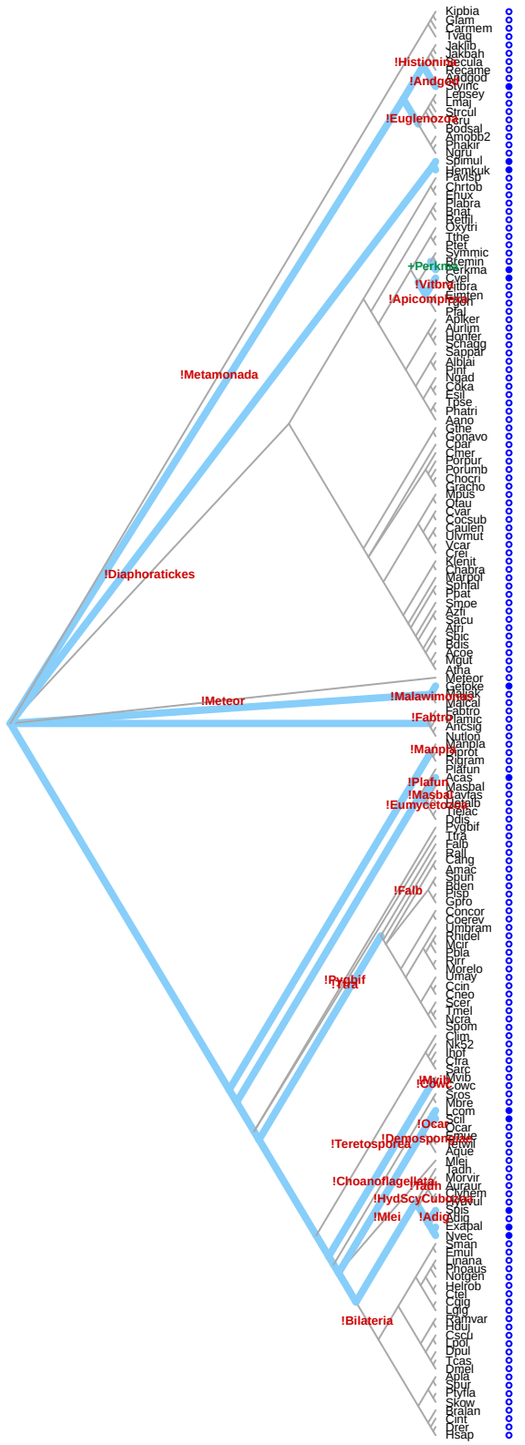
Gain: Pisp,NA
Presence Eukaryota prob = 0.98
Present: 23
Losses: NA

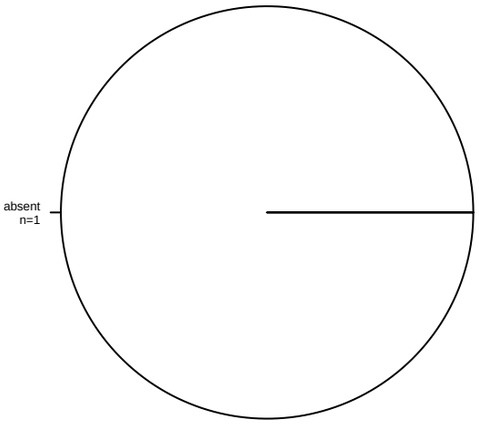


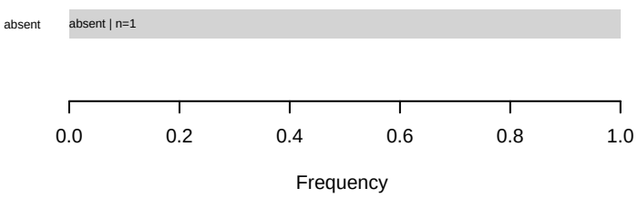




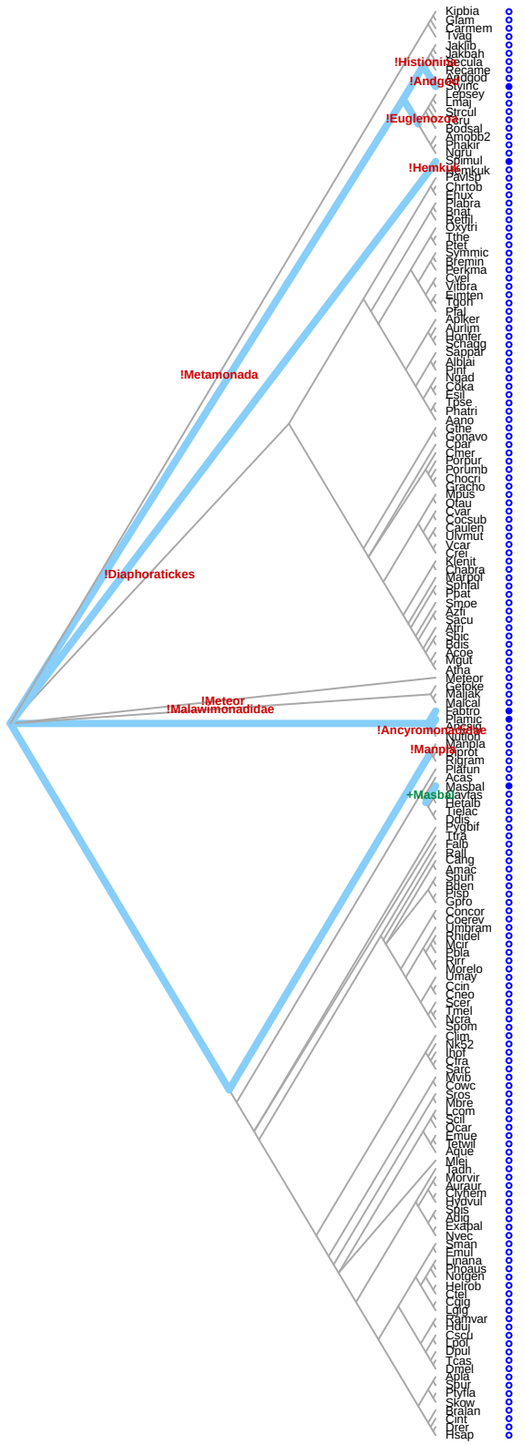
Gain: Chlorophyta,NA
Presence Eukaryota prob = 0.01
Present: 6
Losses: NA

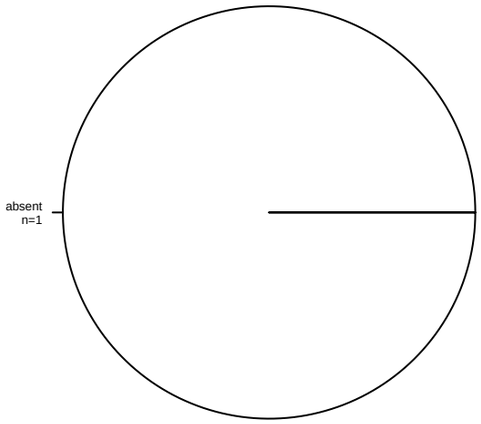


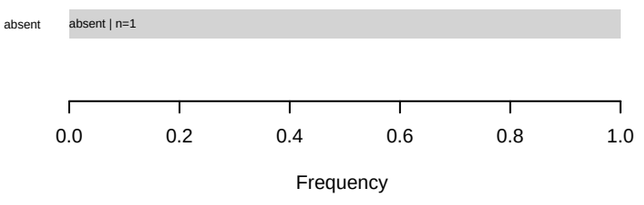




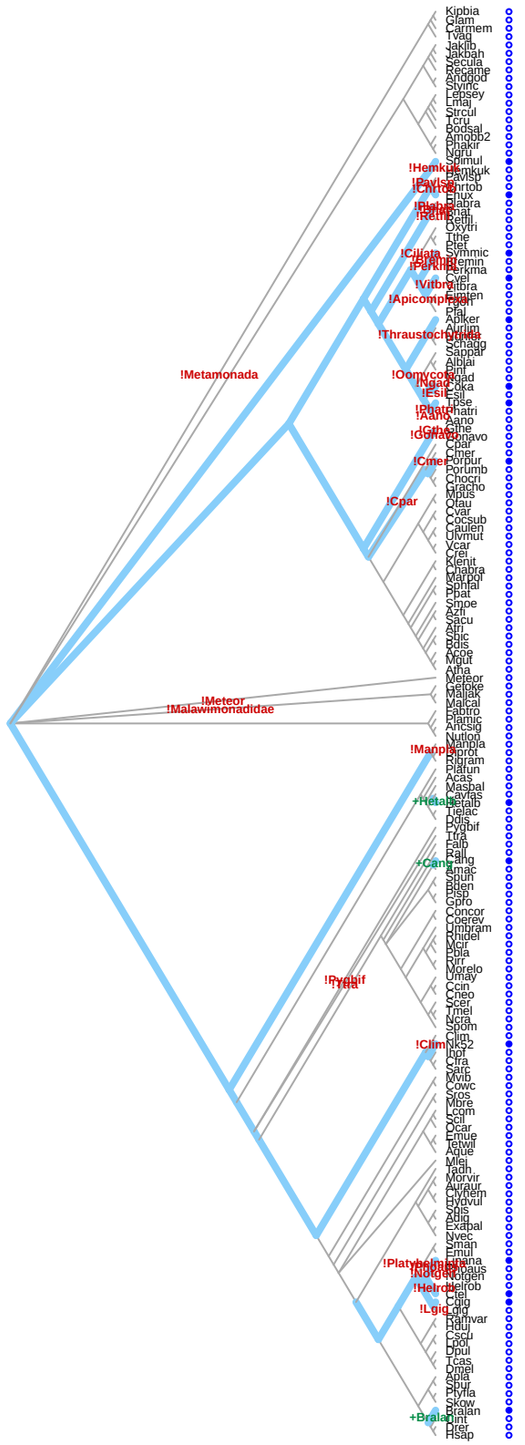
Gain: Perkma,NA
Presence Eukaryota prob = 0.99
Present: 12
Losses: NA

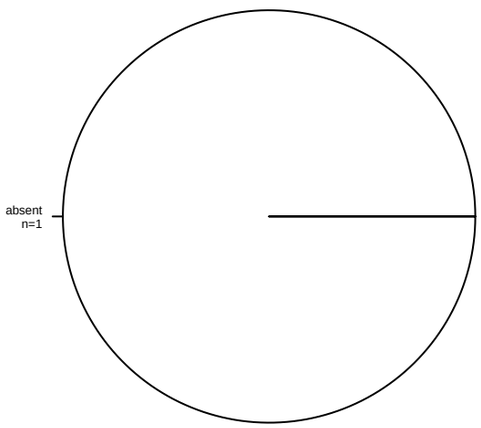


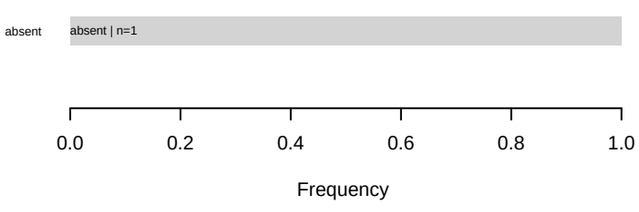




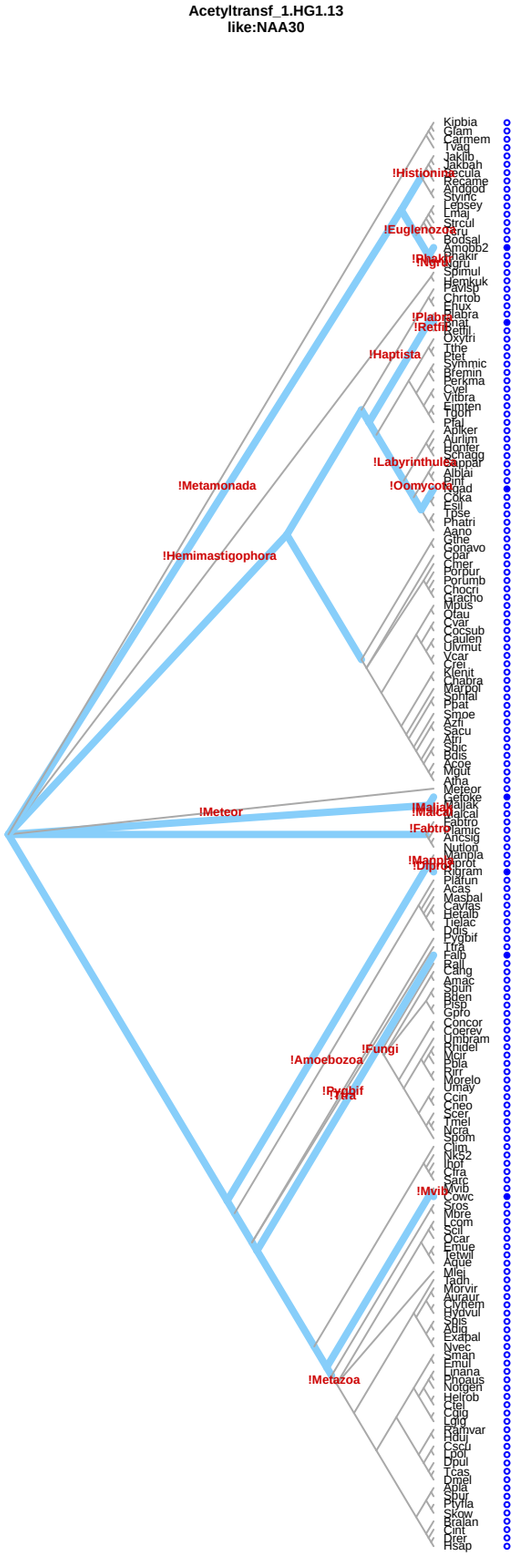
Gain: Masbal,NA
Presence Eukaryota prob = 0.73
Present: 5
Losses: NA



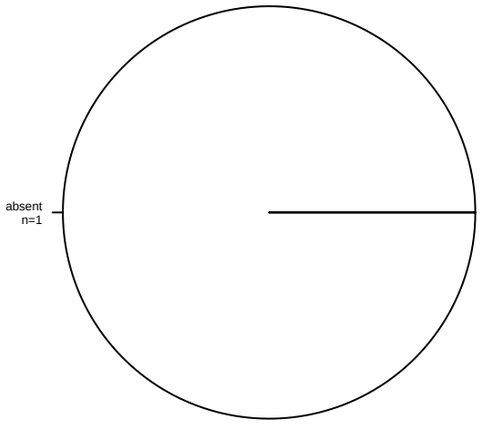


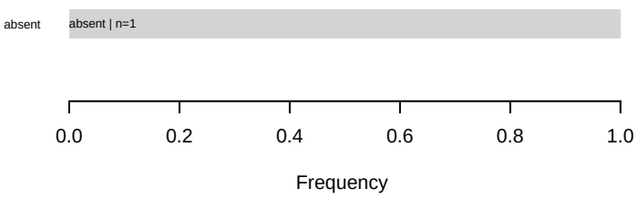


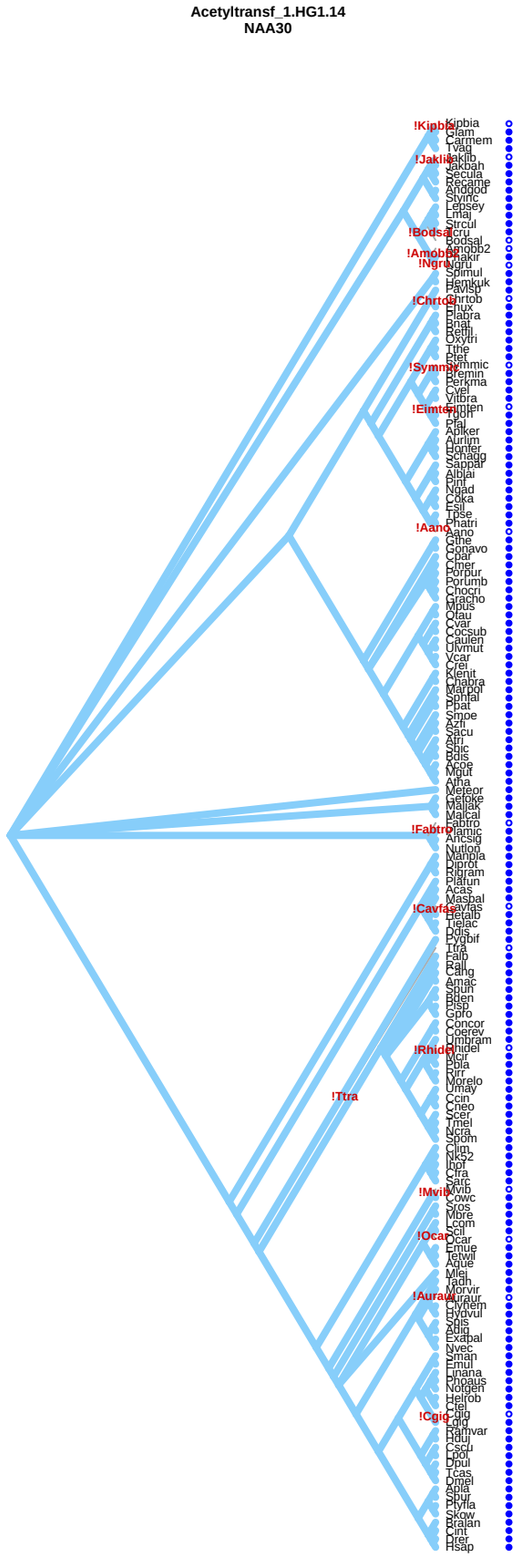
Gain: Bralan,Cang,Hetalb,NA
Presence Eukaryota prob = 0.84
Present: 15
Losses: NA

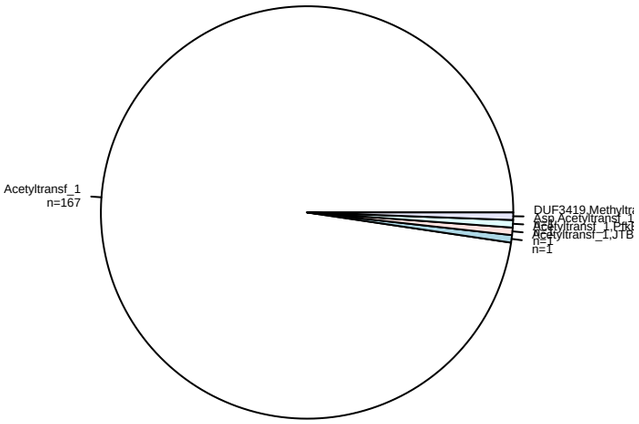


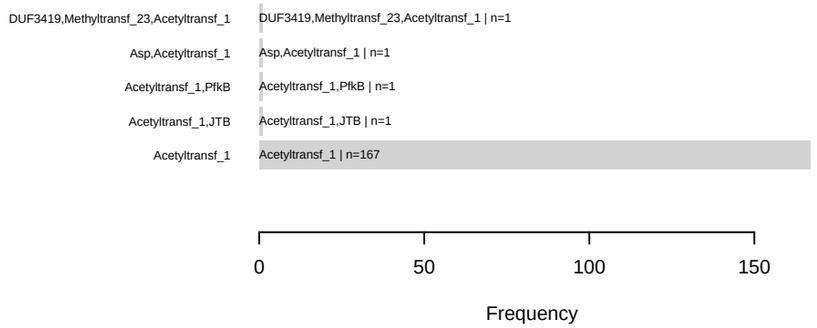
Gain: NA
Presence Eukaryota prob = 0.99
Present: 7
Losses: NA



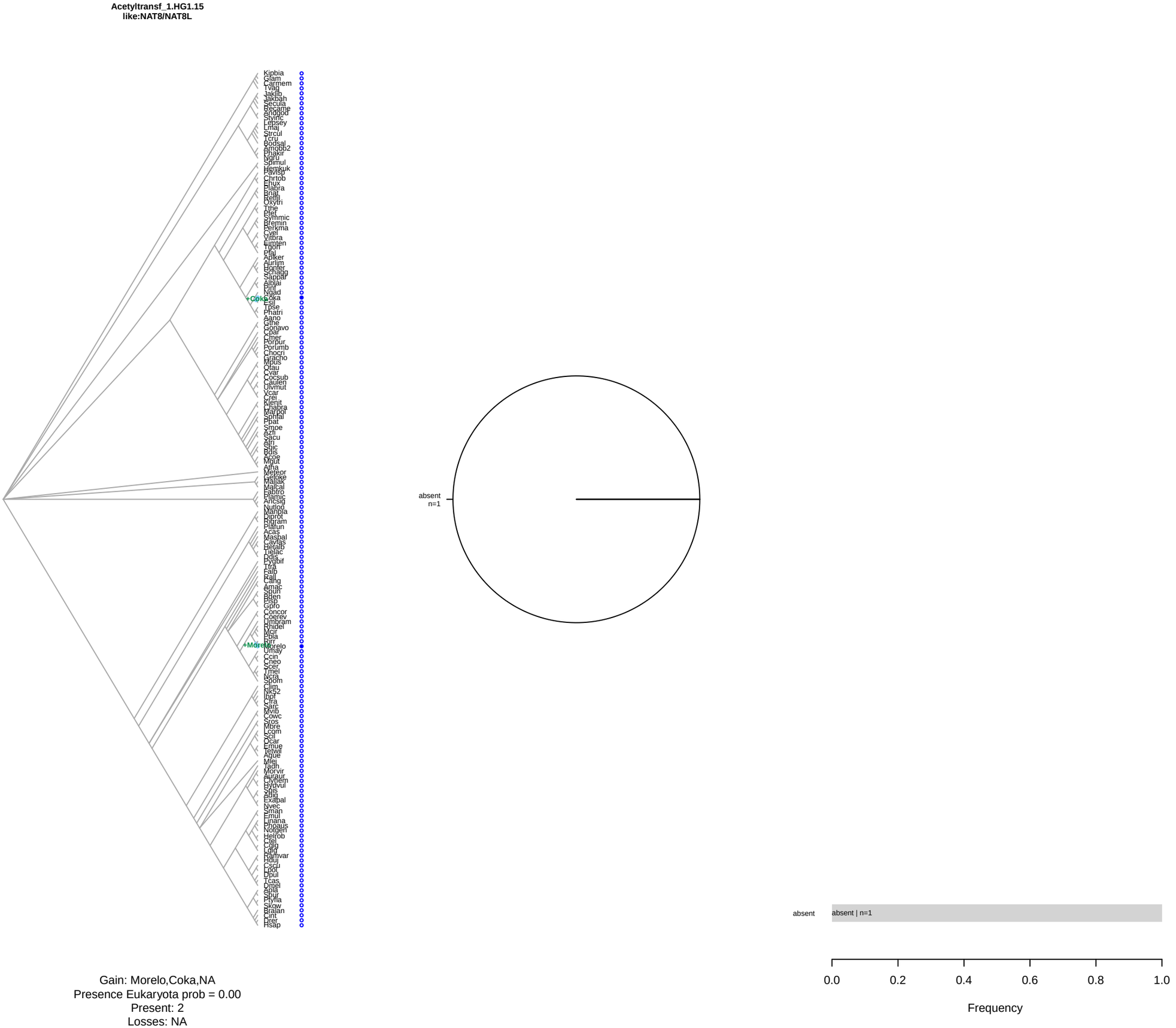




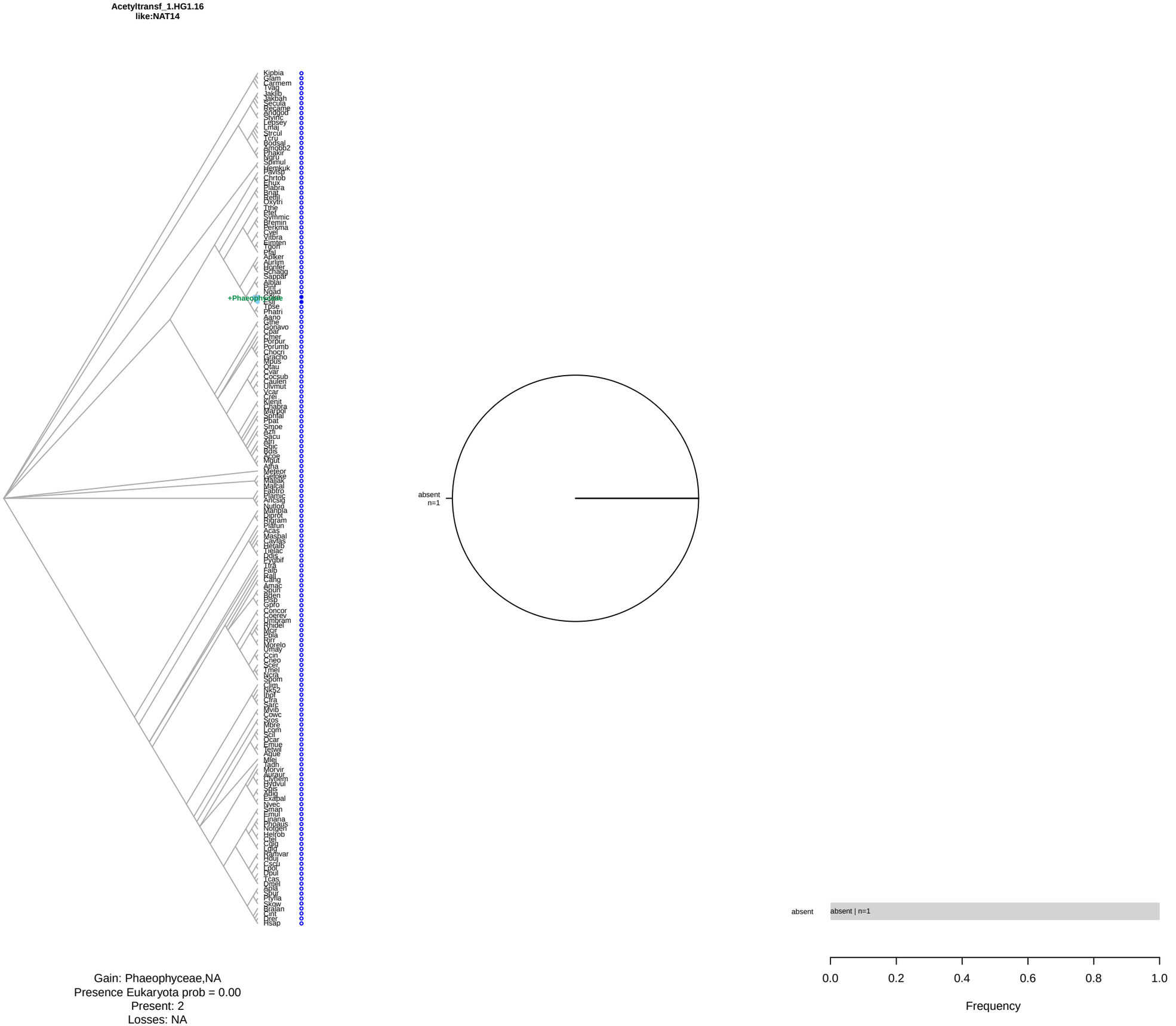




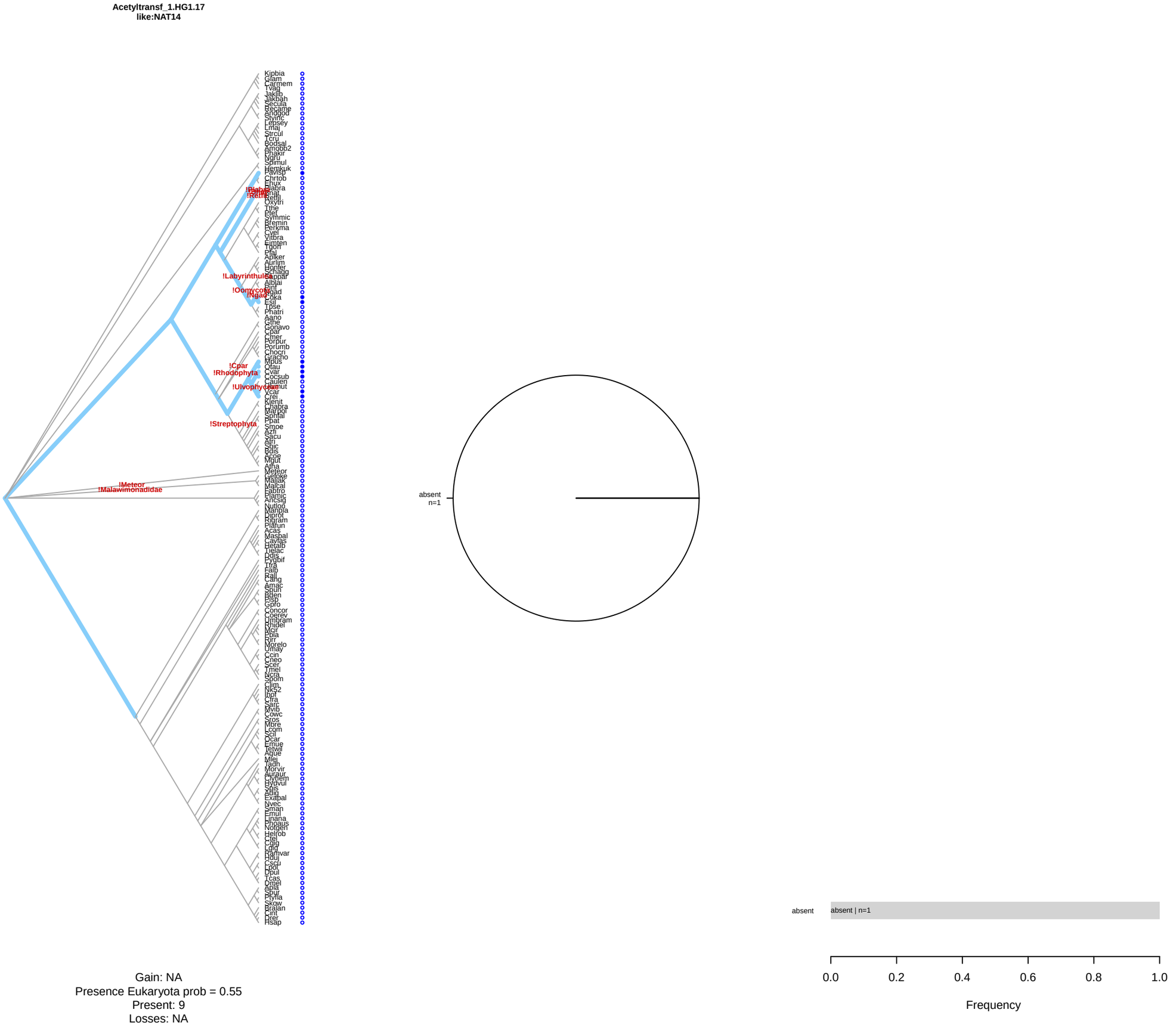
Gain: NA
Presence Eukaryota prob = 1.00
Present: 155
Losses: NA



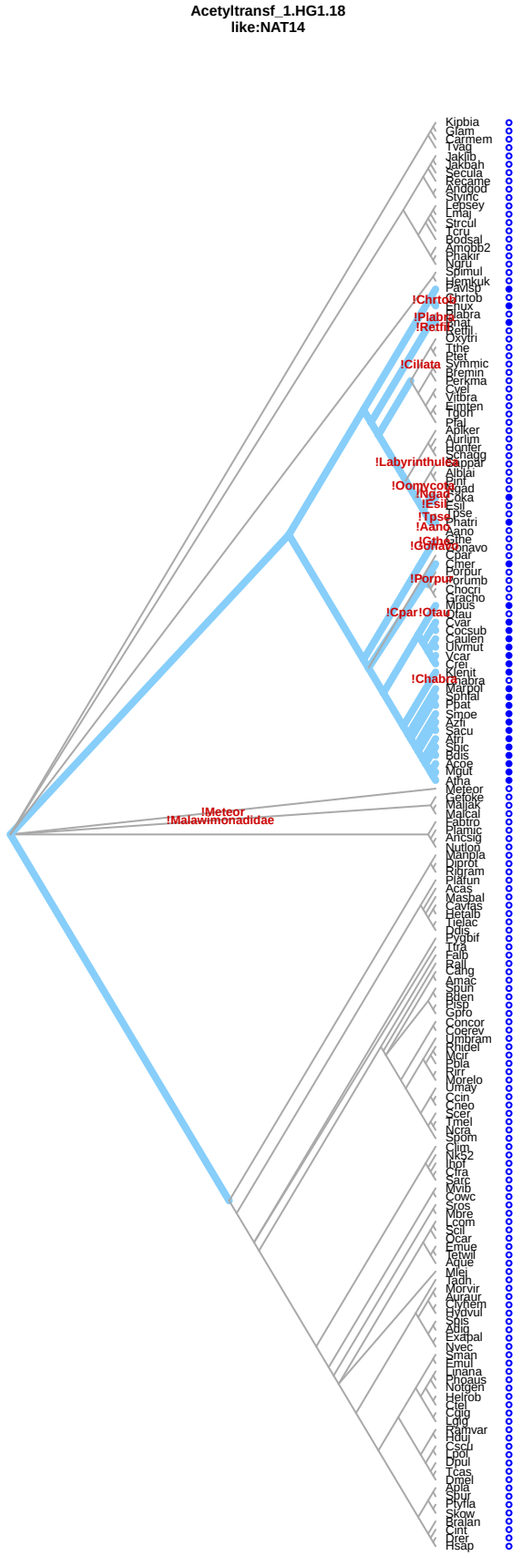
Gain: Morelo,Coka,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

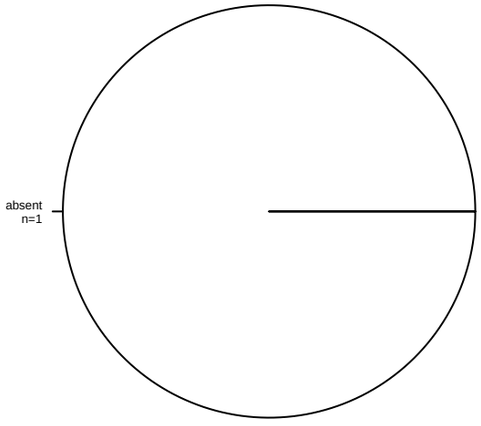


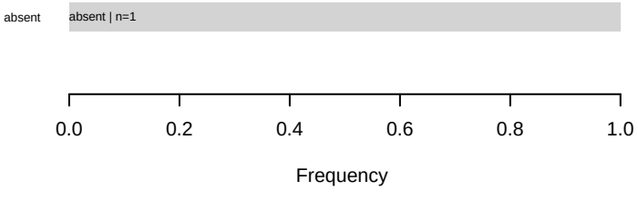
Gain: Phaeophyceae,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



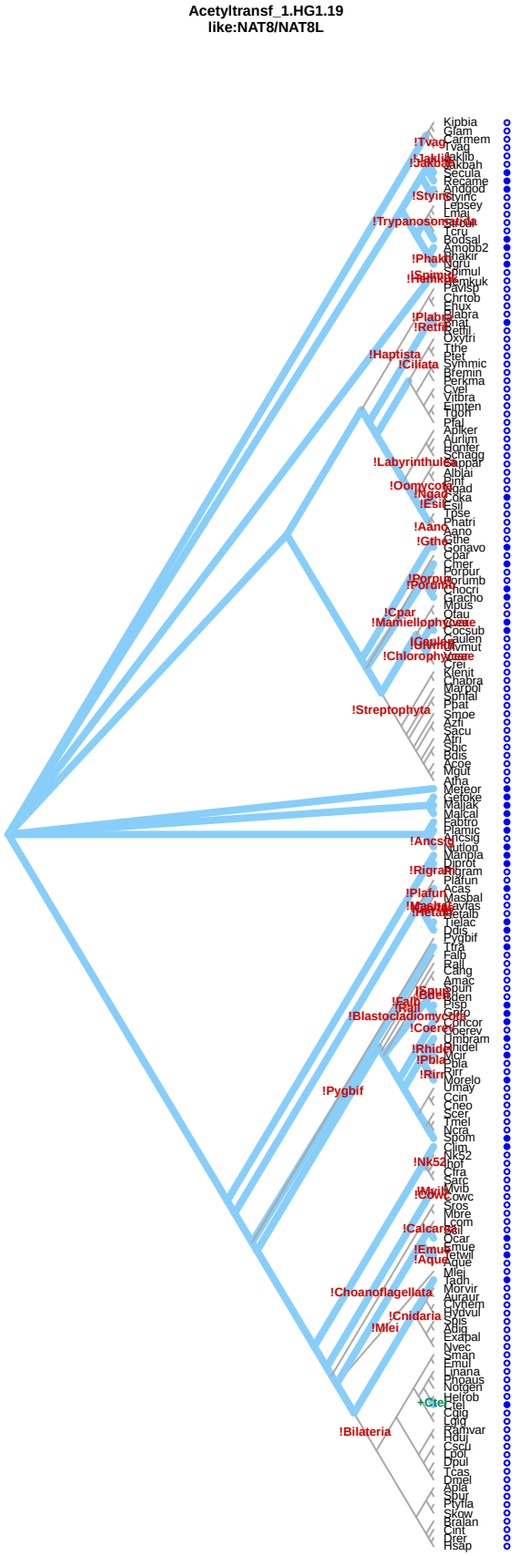
Gain: NA
Presence Eukaryota prob = 0.55
Present: 9
Losses: NA

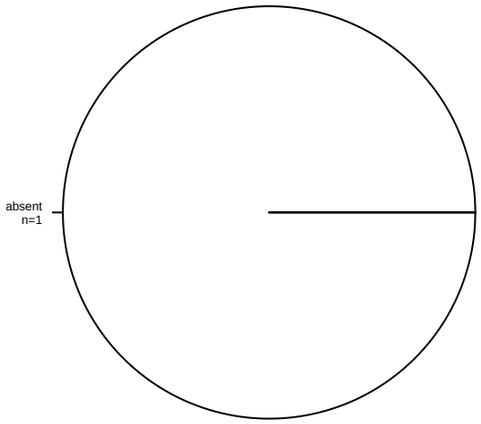


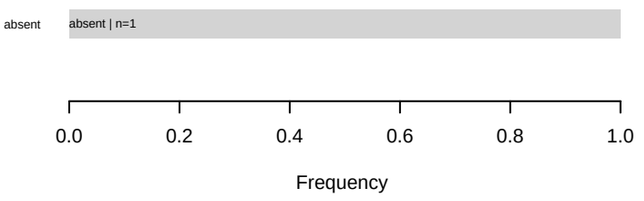




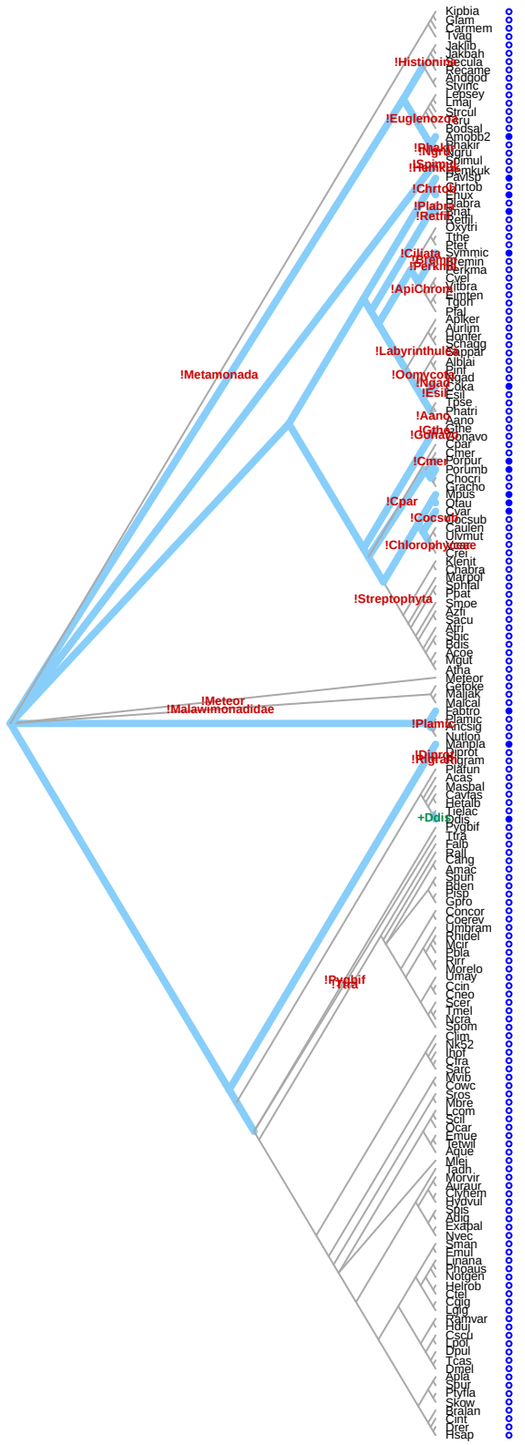
Gain: NA
Presence Eukaryota prob = 0.62
Present: 26
Losses: NA

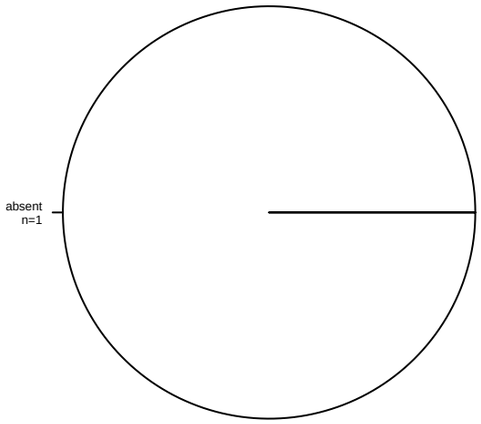


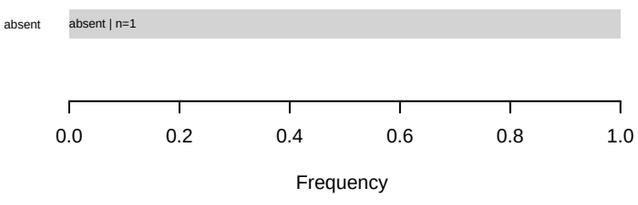




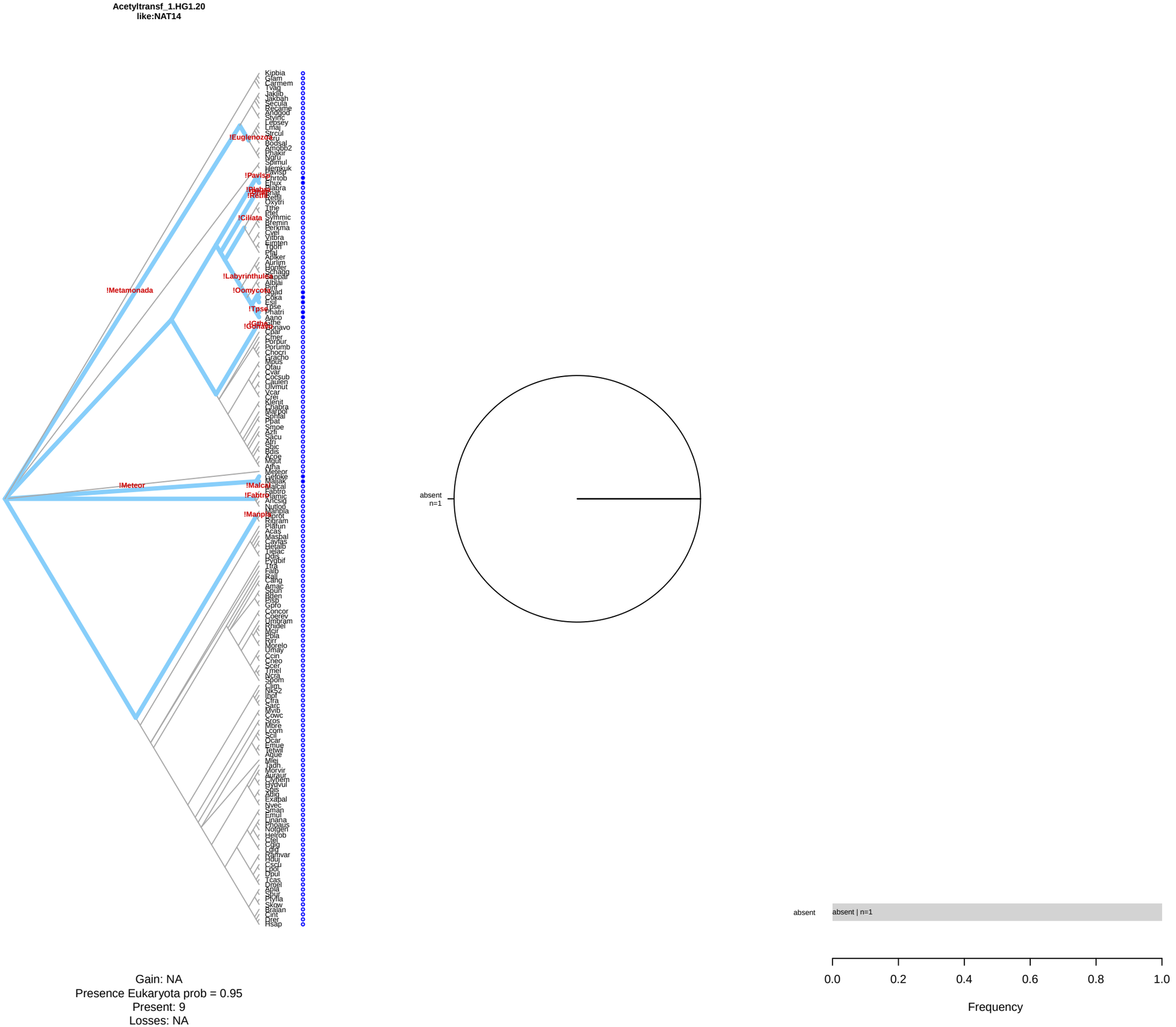
Gain: Ctel,NA
Presence Eukaryota prob = 1.00
Present: 39
Losses: NA



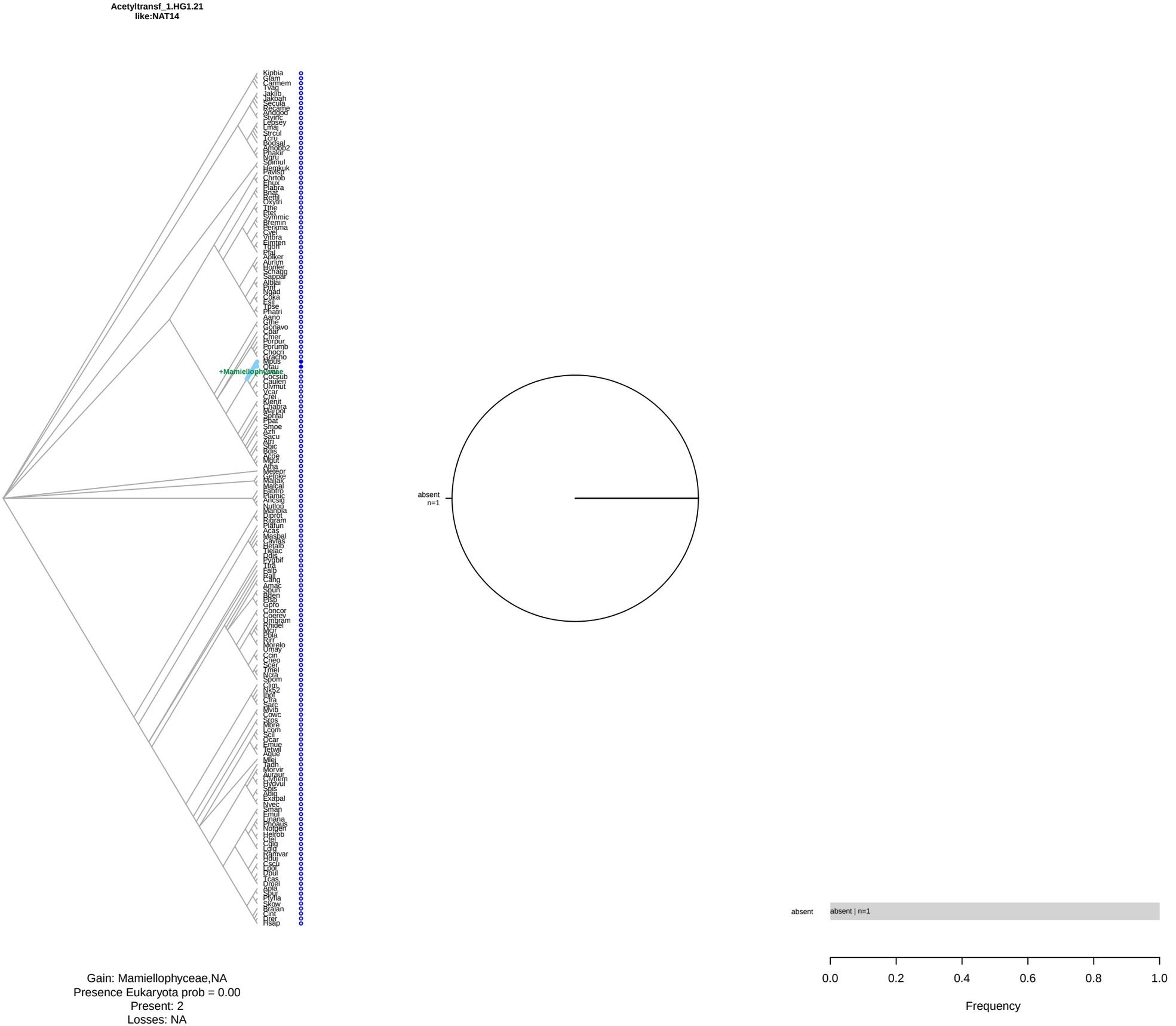




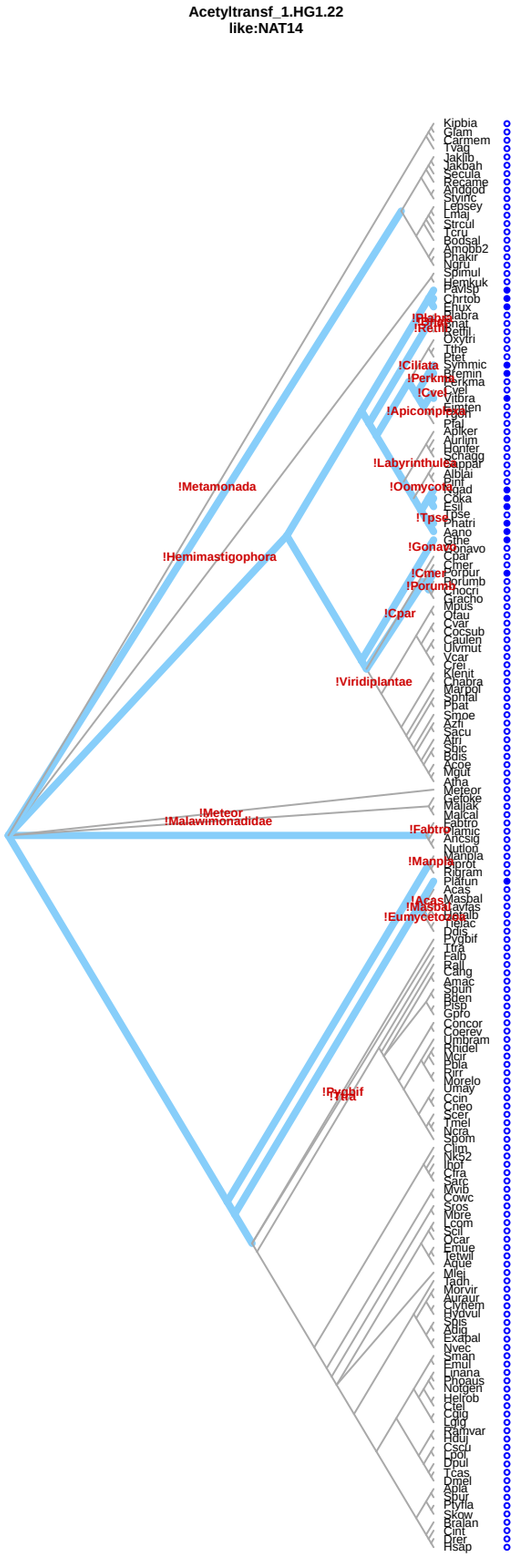
Gain: Ddis,NA
Presence Eukaryota prob = 1.00
Present: 14
Losses: NA

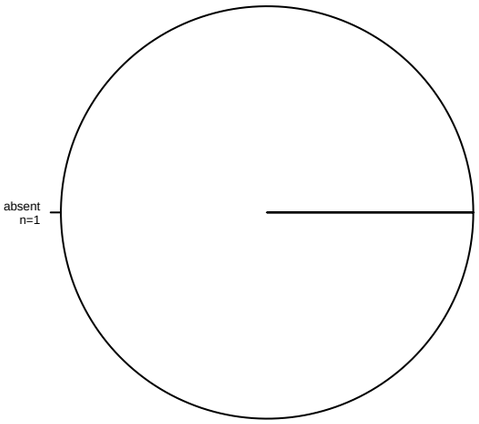


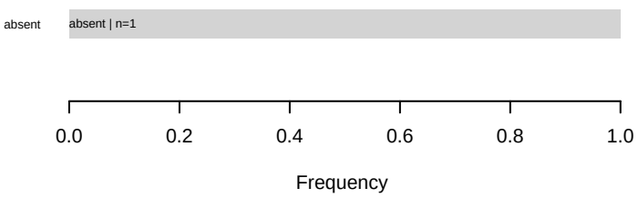
Gain: NA
Presence Eukaryota prob = 0.95
Present: 9
Losses: NA



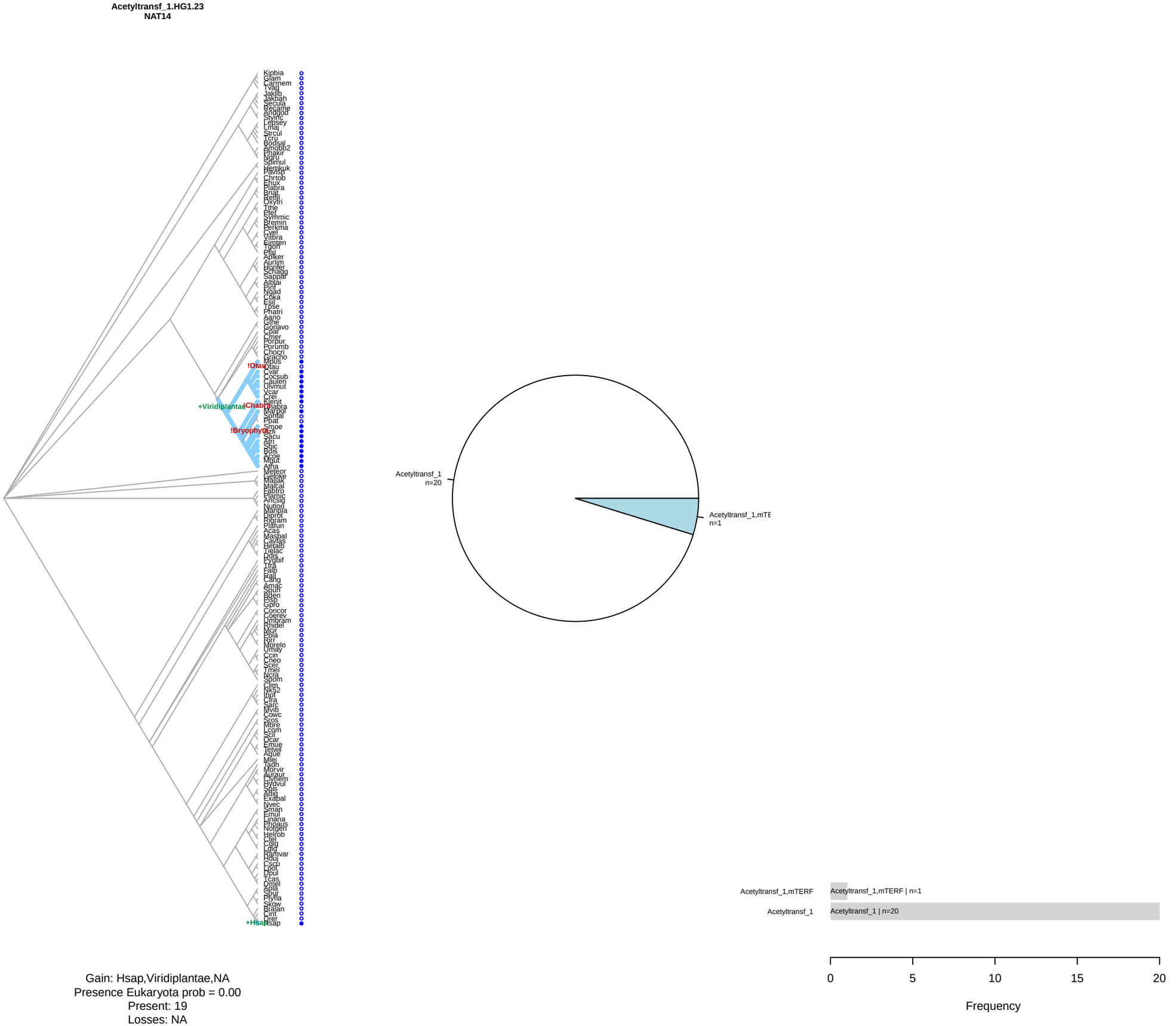
Gain: Mamiellophyceae,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



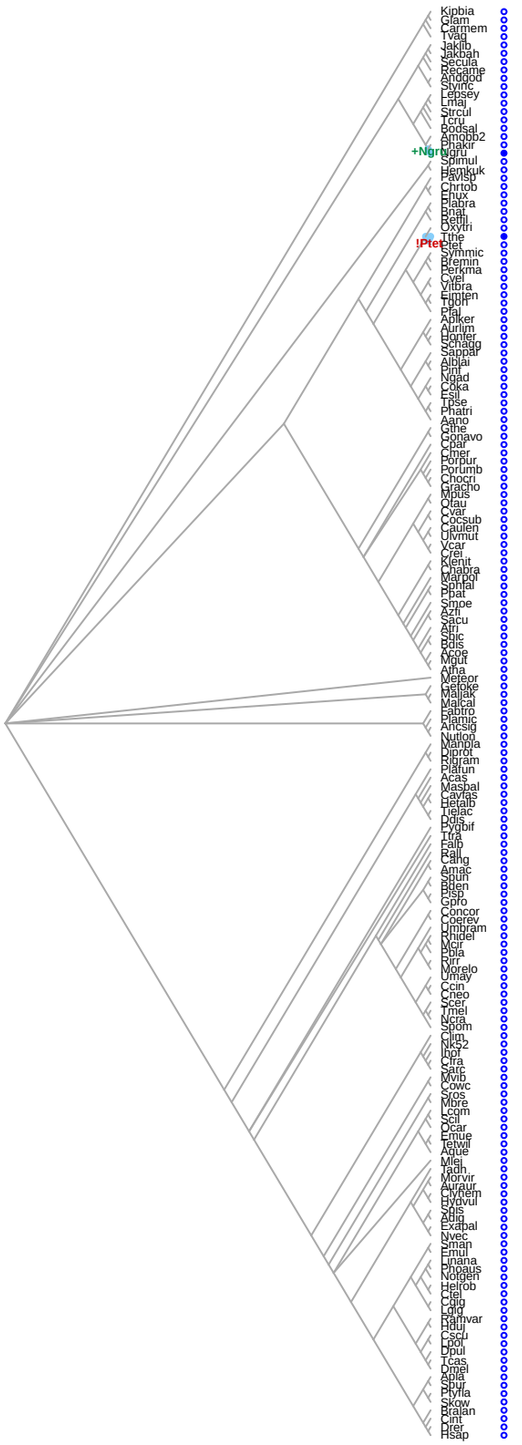


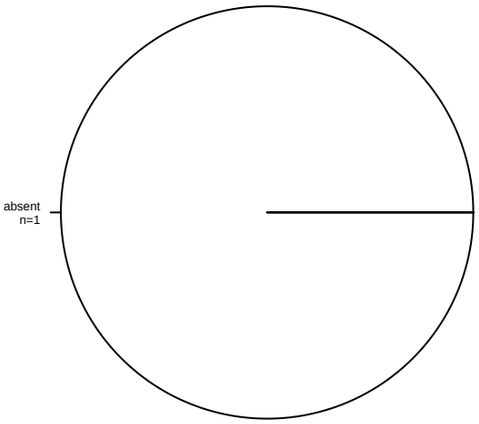


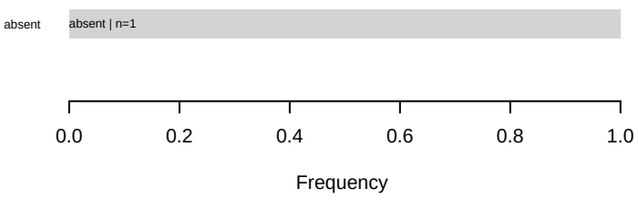
Gain: NA
Presence Eukaryota prob = 0.91
Present: 14
Losses: NA



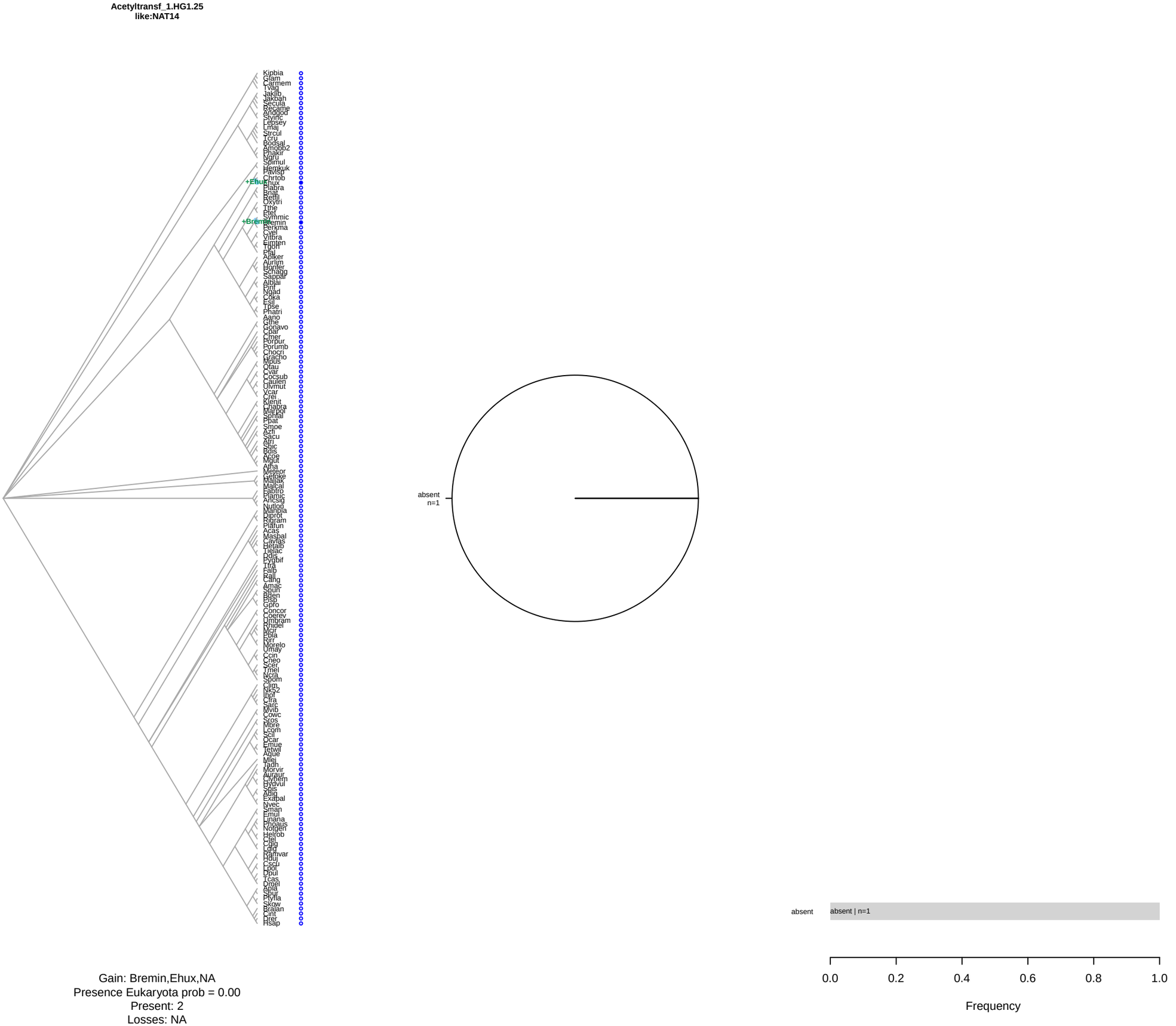
Gain: Hsap,Viridiplantae,NA
Presence Eukaryota prob = 0.00
Present: 19
Losses: NA



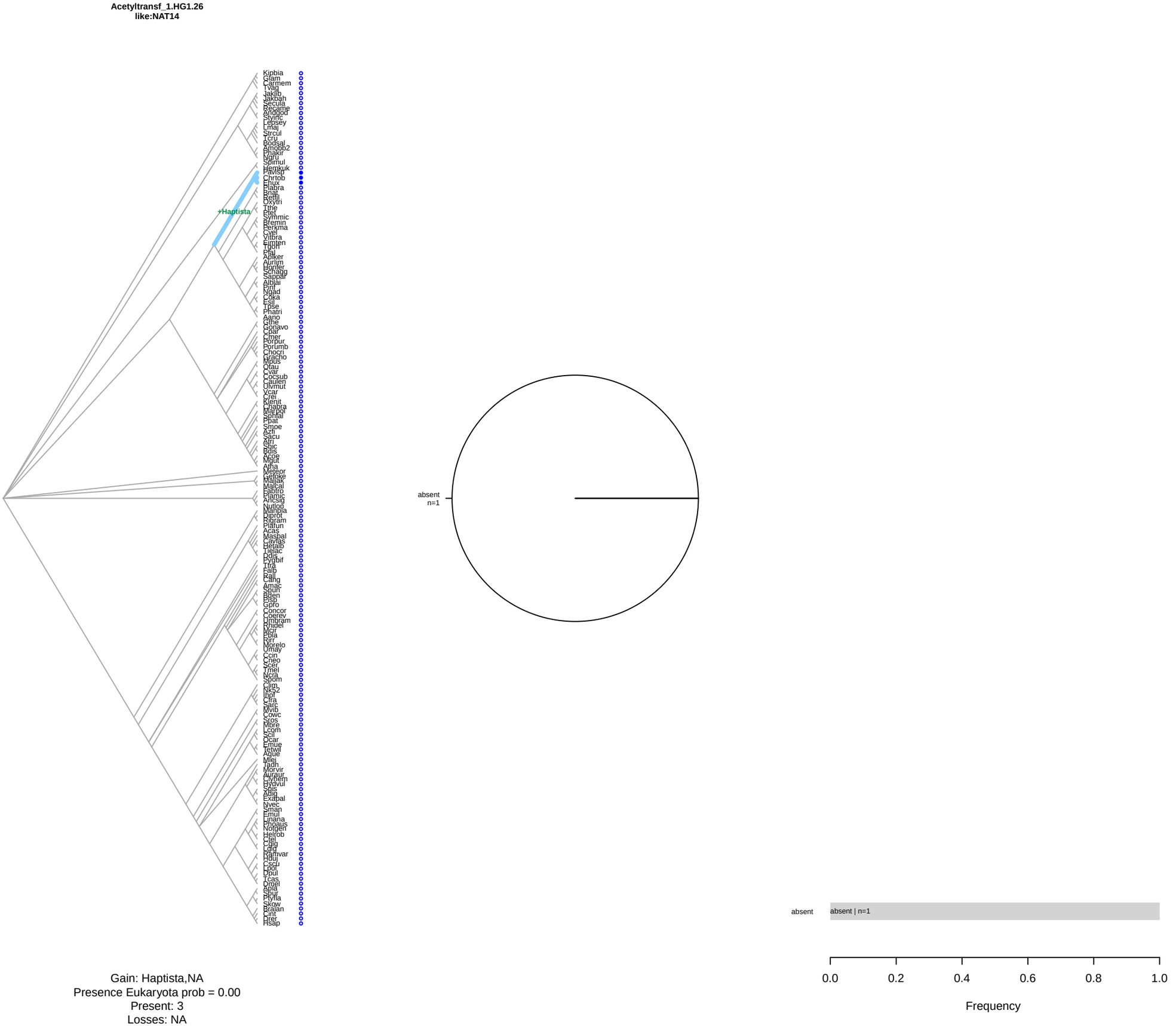




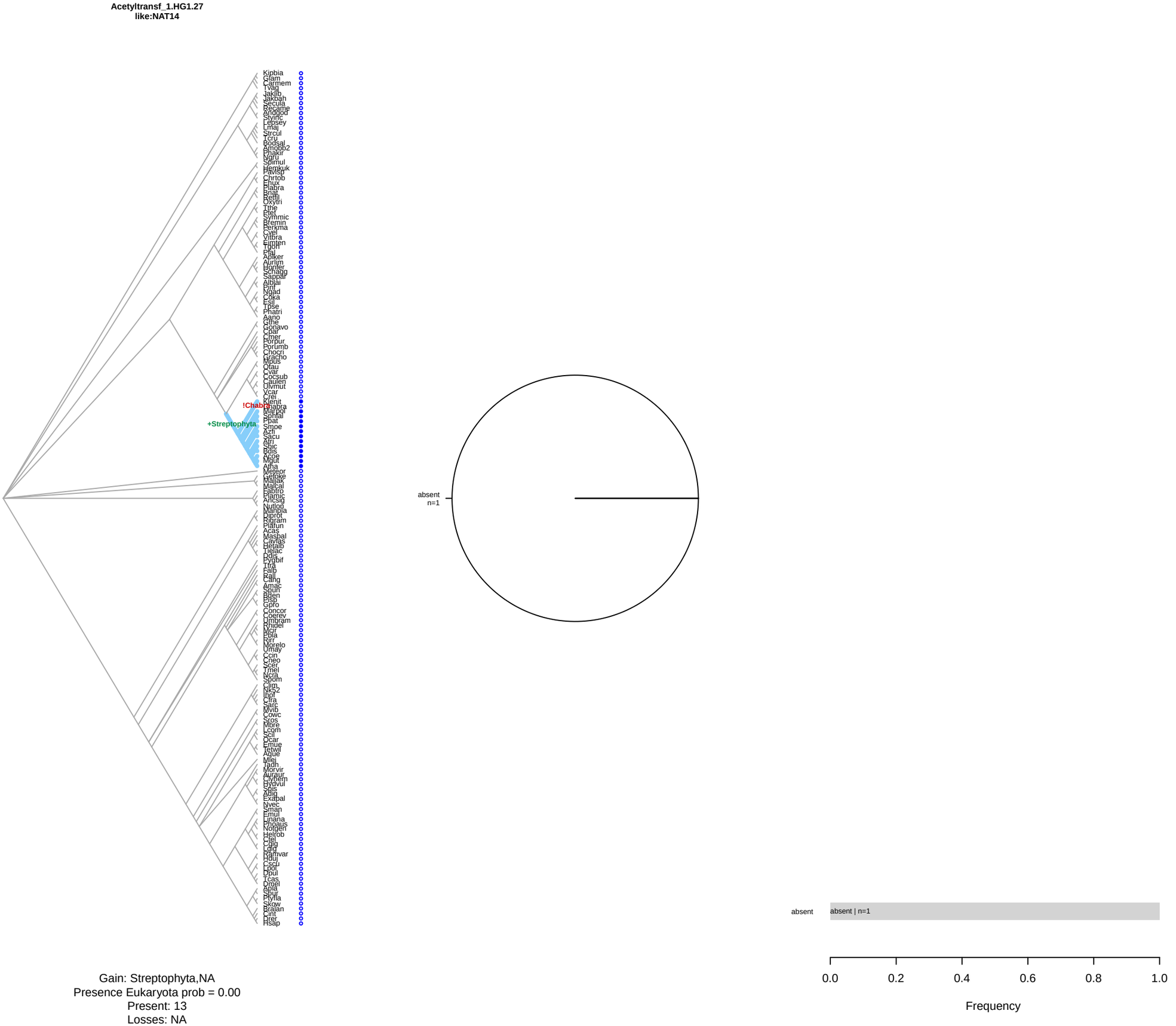
Gain: Ngru,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



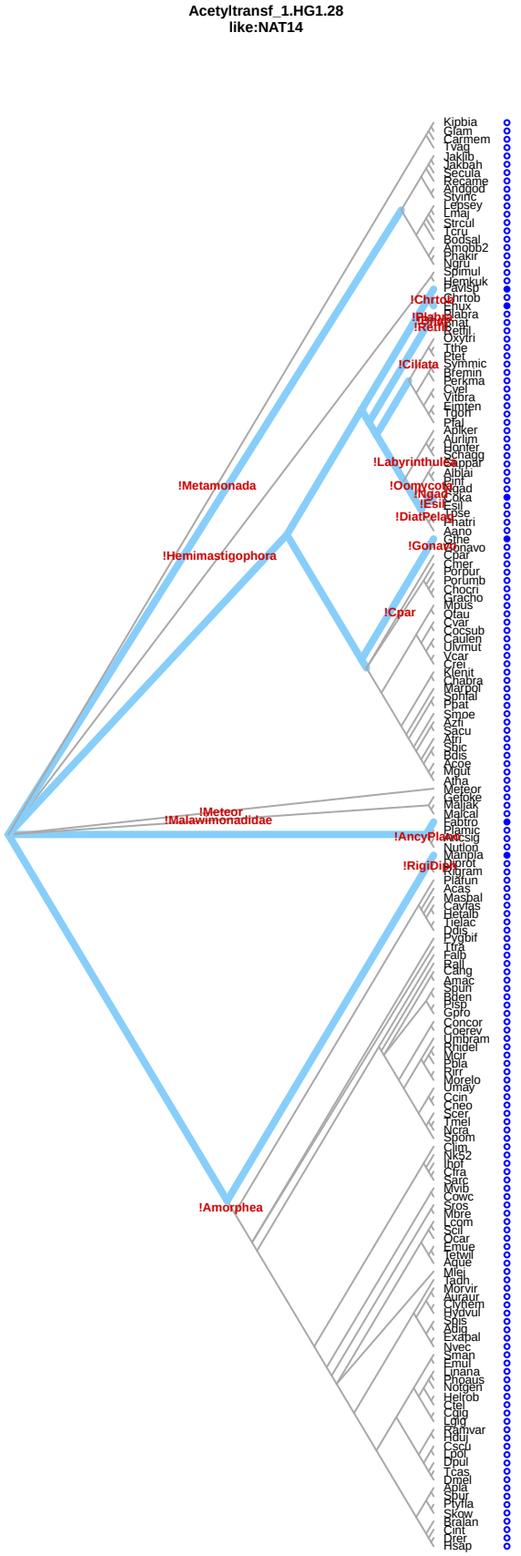
Gain: Bremin,Ehux,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



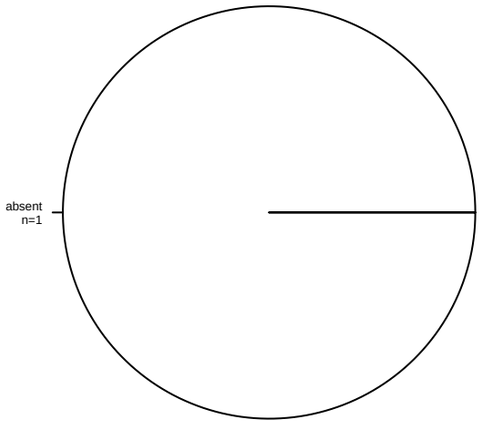
Gain: Haptista,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

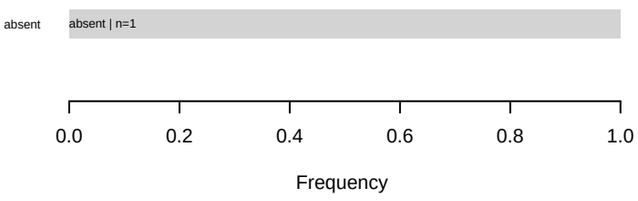


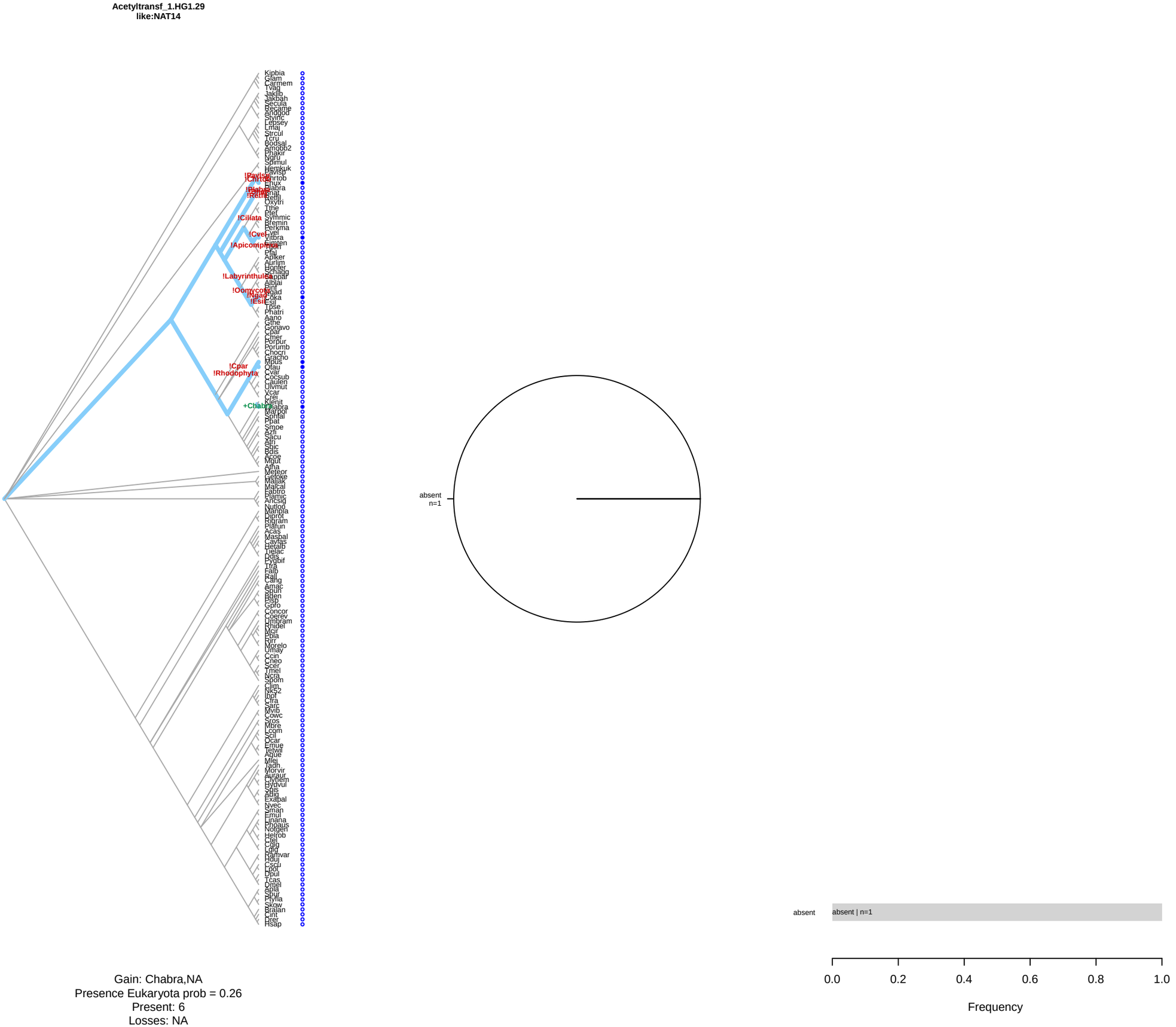
Gain: Streptophyta,NA
Presence Eukaryota prob = 0.00
Present: 13
Losses: NA



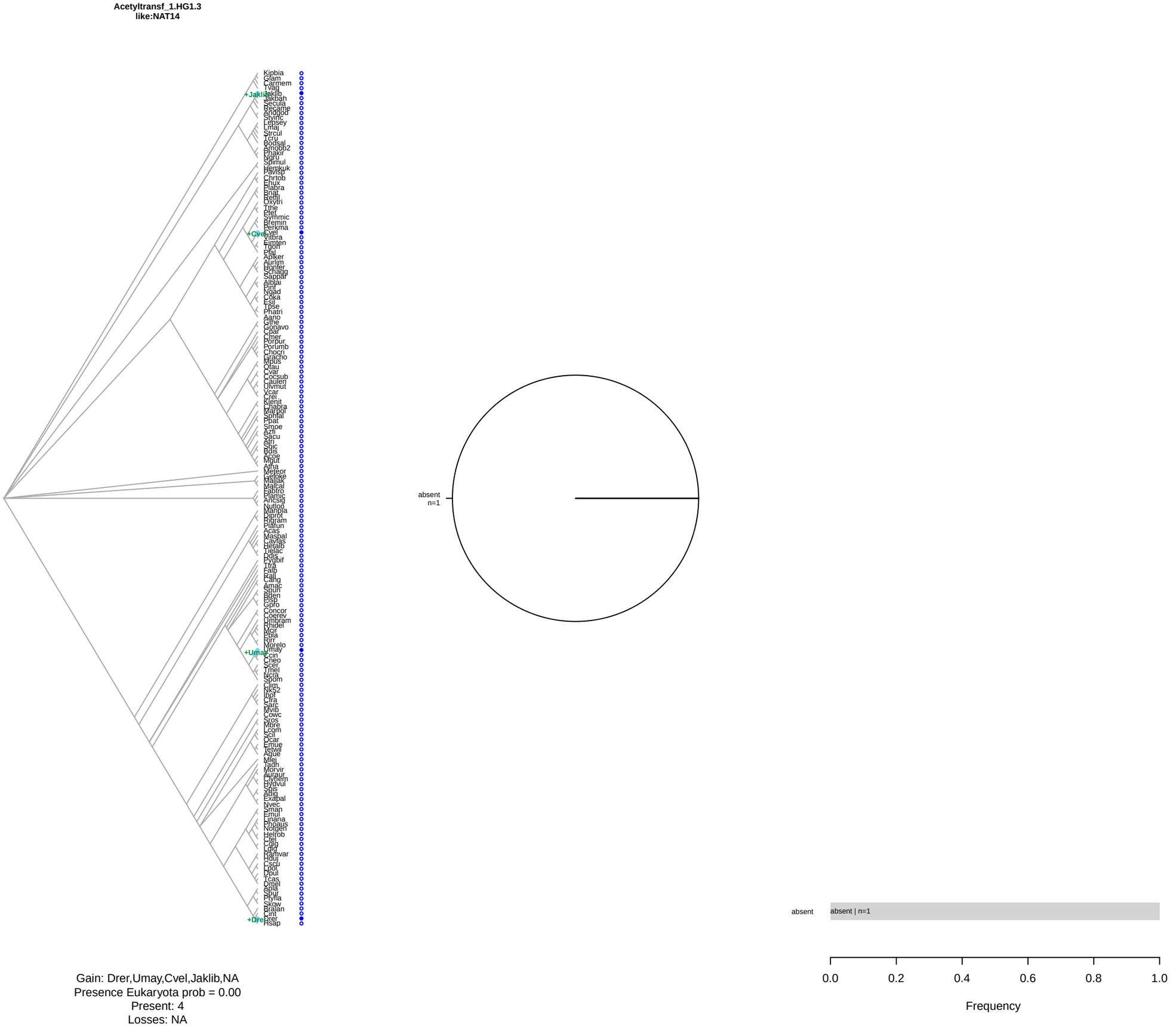
Gain: NA
Presence Eukaryota prob = 1.00
Present: 6
Losses: NA



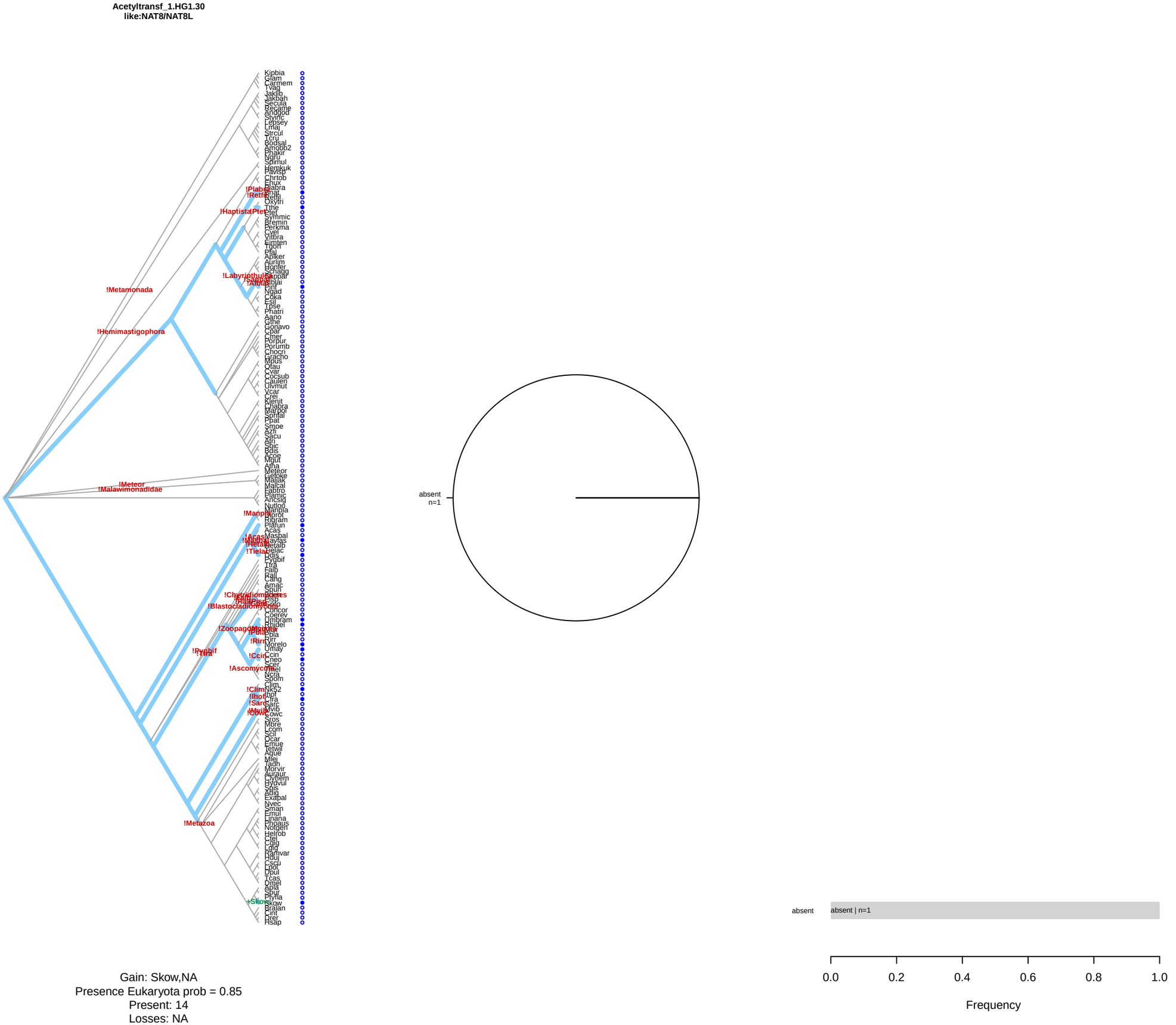




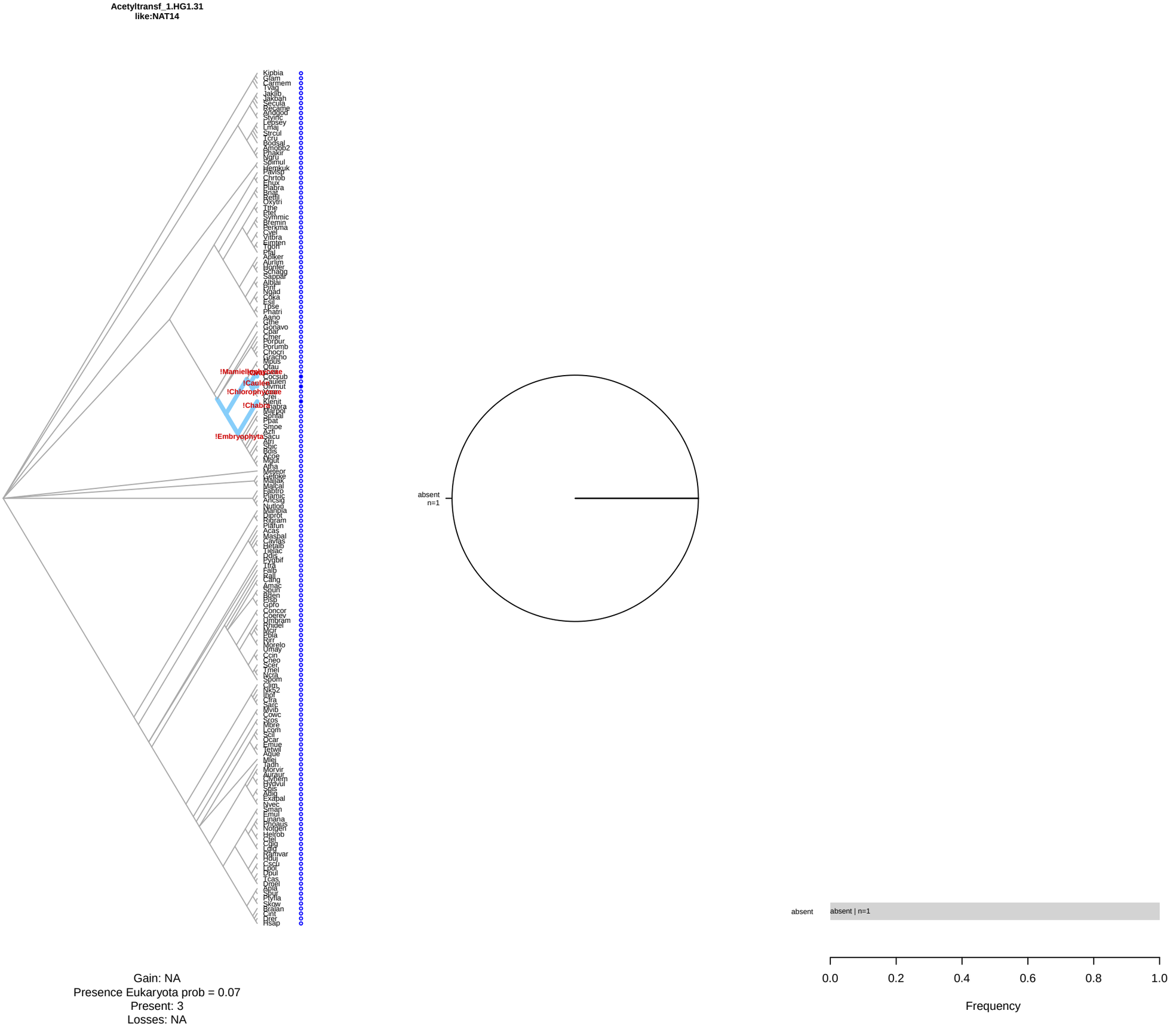
Gain: Chabra,NA
Presence Eukaryota prob = 0.26
Present: 6
Losses: NA



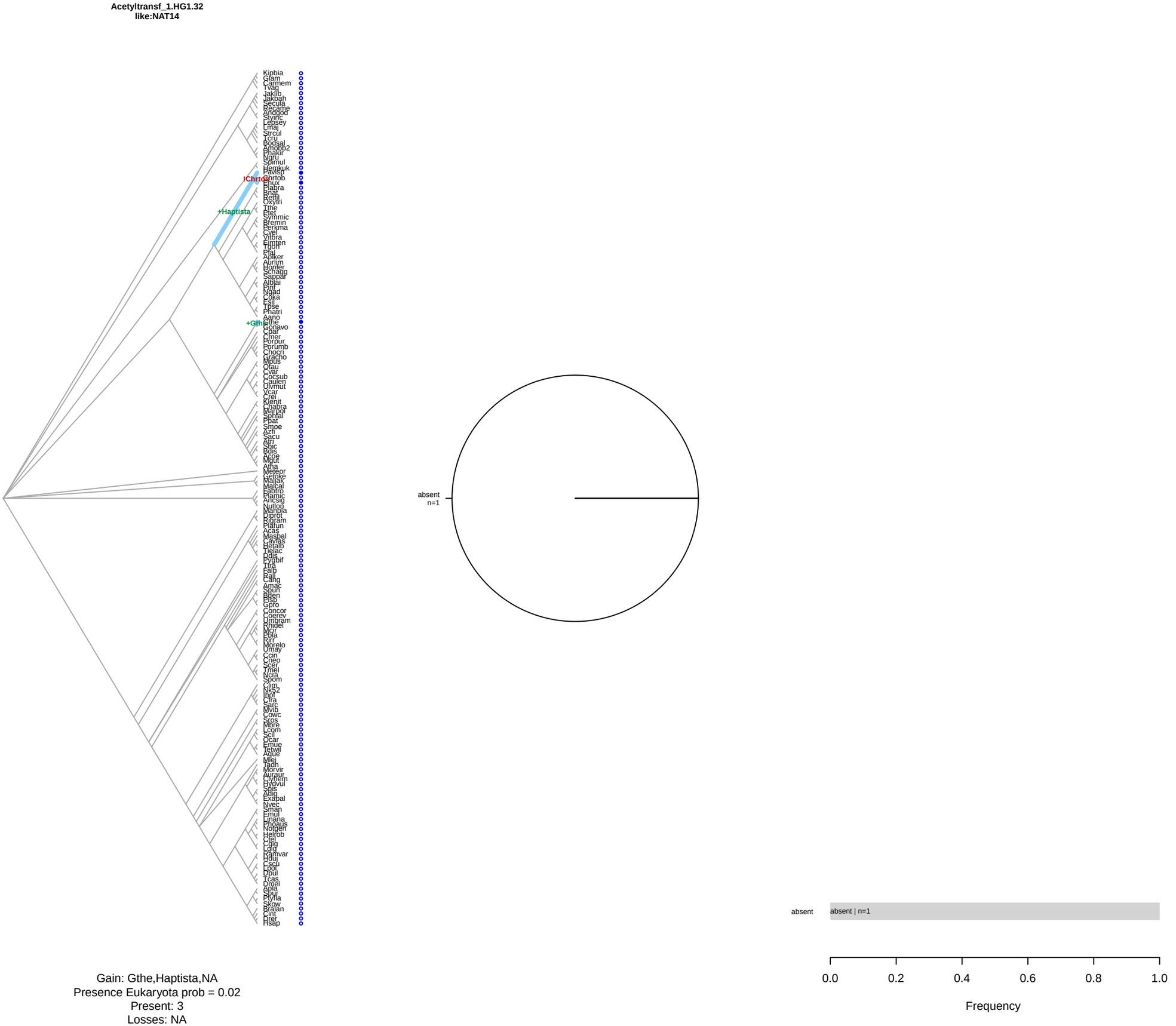
Gain: Drer,Umay,Cvel,Jaklib,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



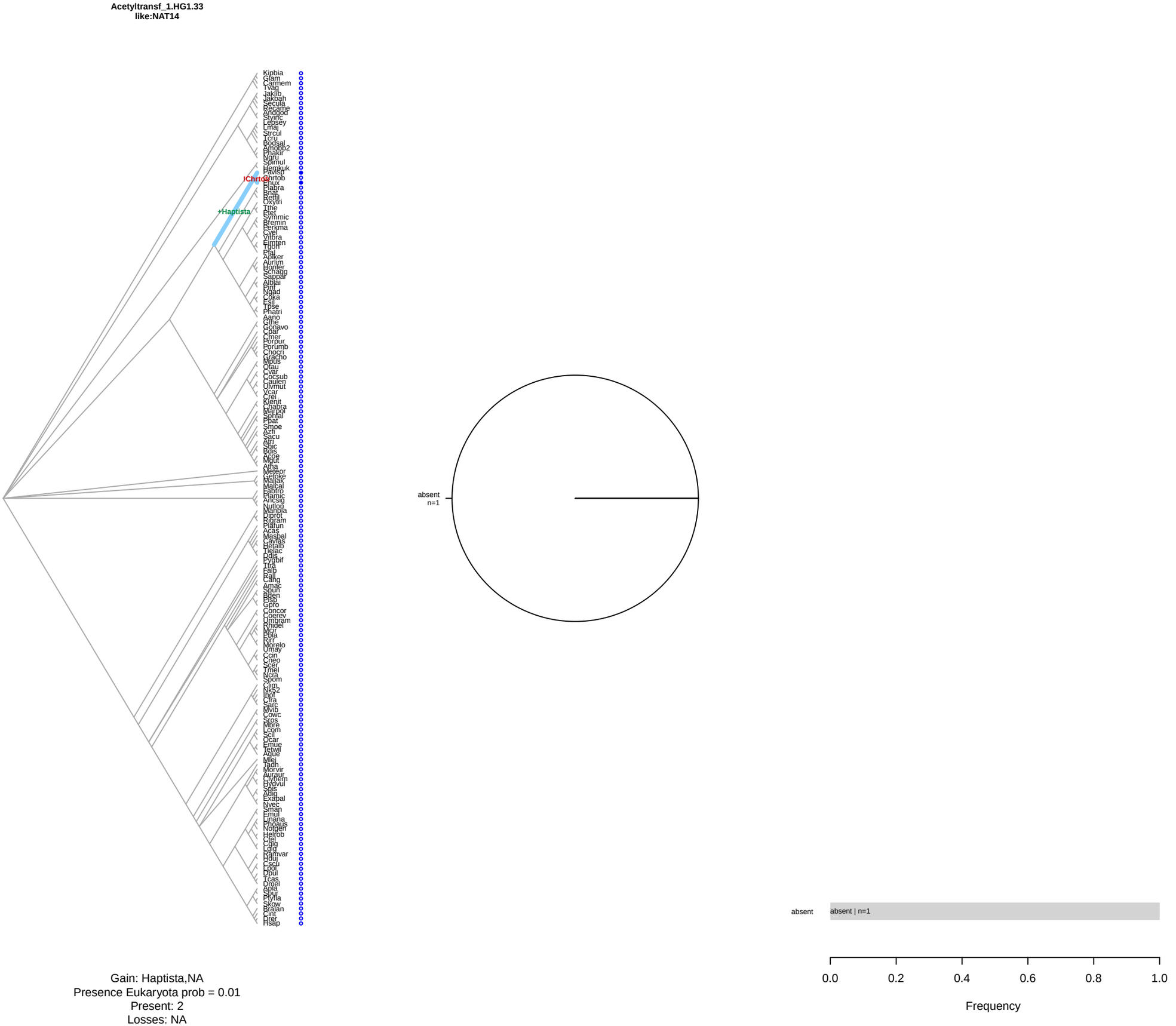
Gain: Skow,NA
Presence Eukaryota prob = 0.85
Present: 14
Losses: NA



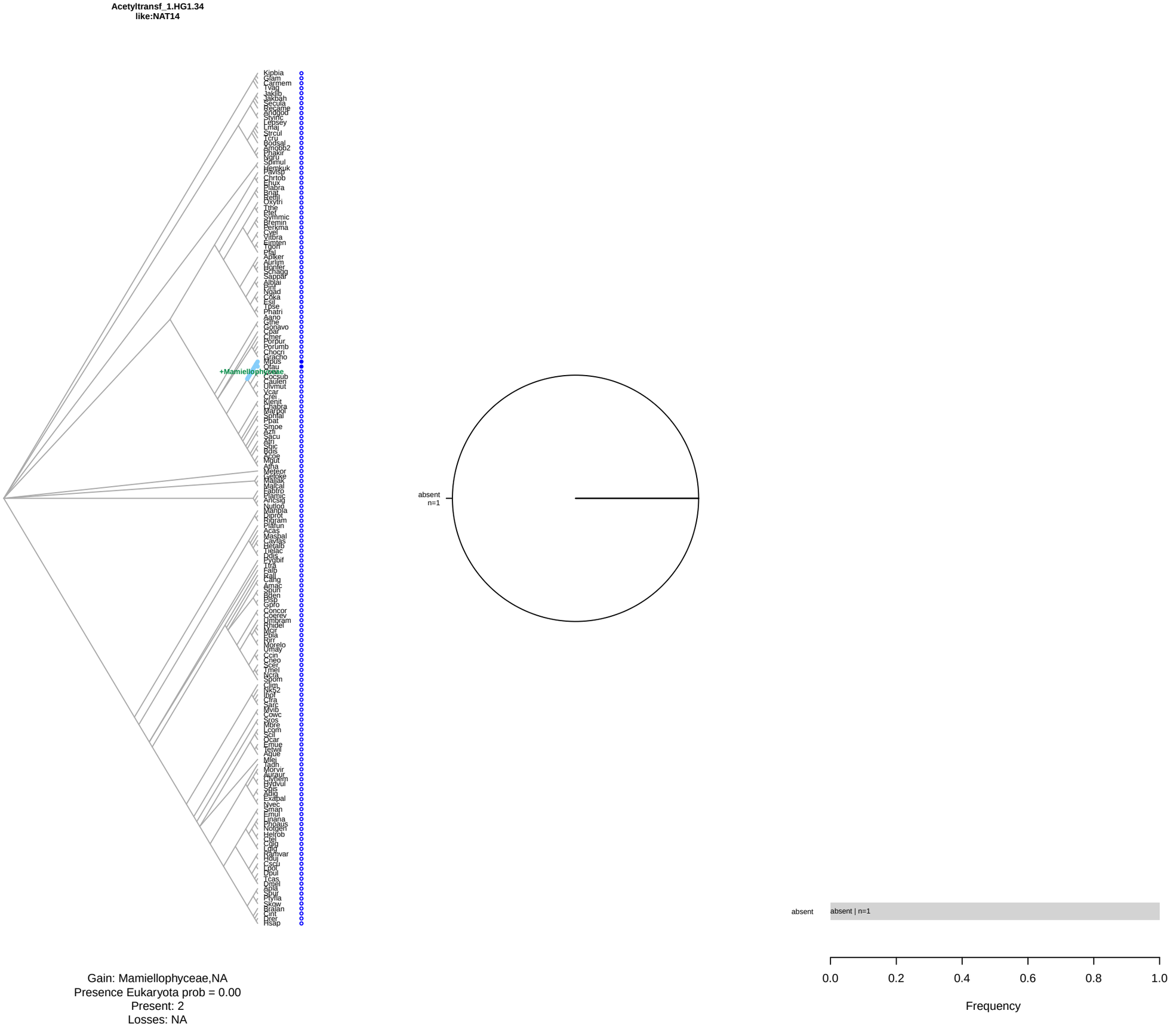
Gain: NA
Presence Eukaryota prob = 0.07
Present: 3
Losses: NA



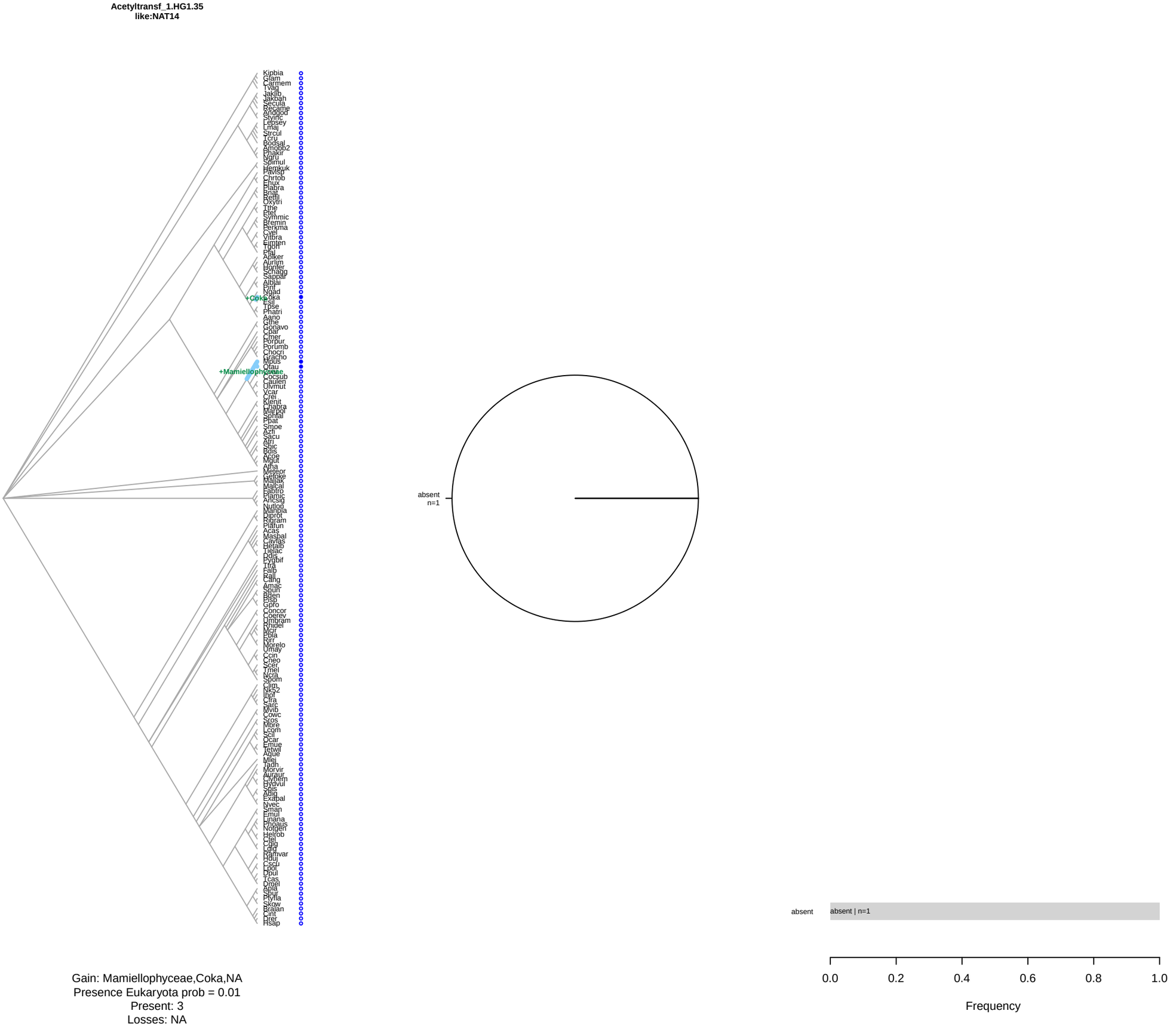
Gain: Gthe,Haptista,NA
Presence Eukaryota prob = 0.02
Present: 3
Losses: NA

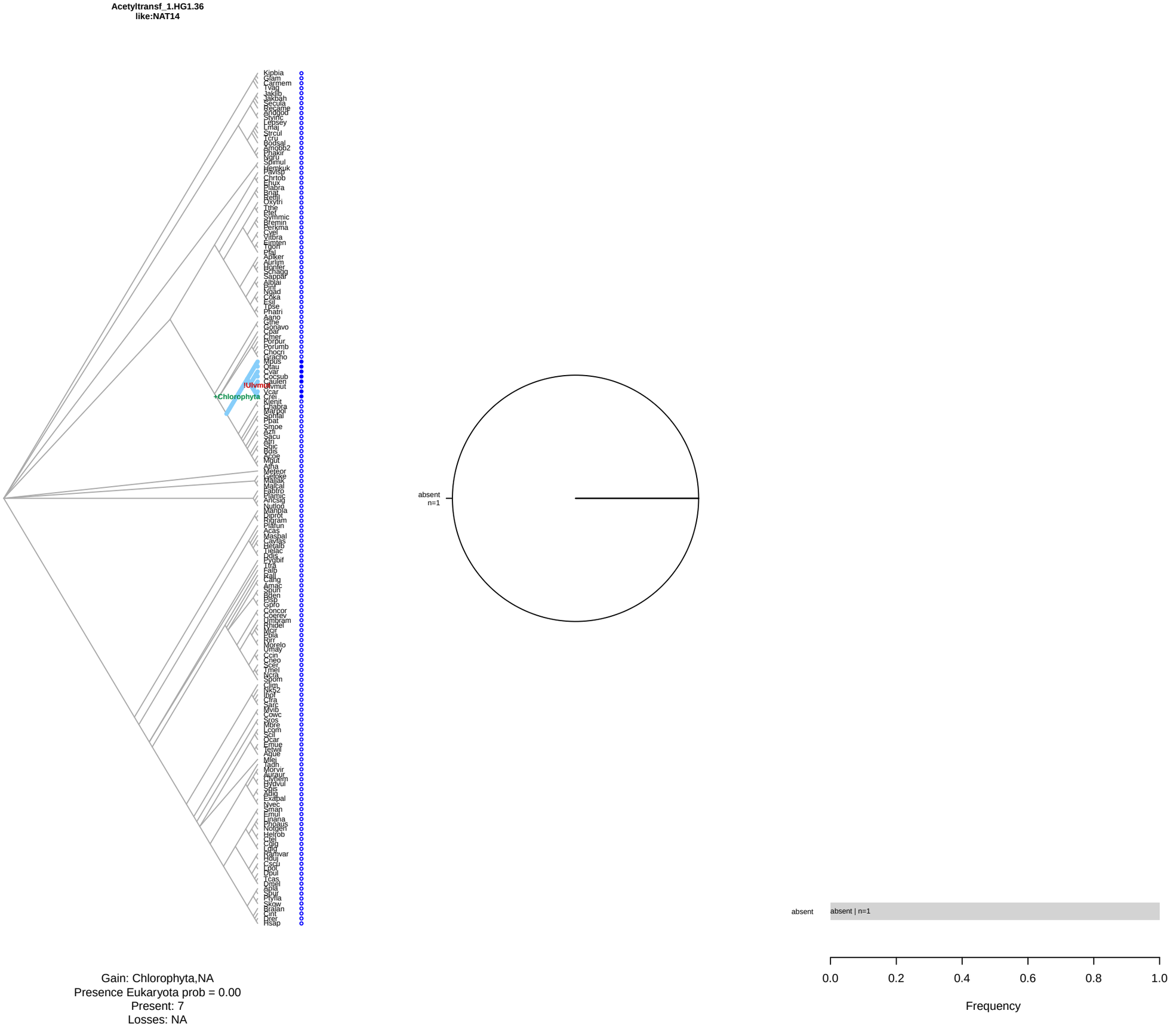


Gain: Haptista,NA
Presence Eukaryota prob = 0.01
Present: 2
Losses: NA

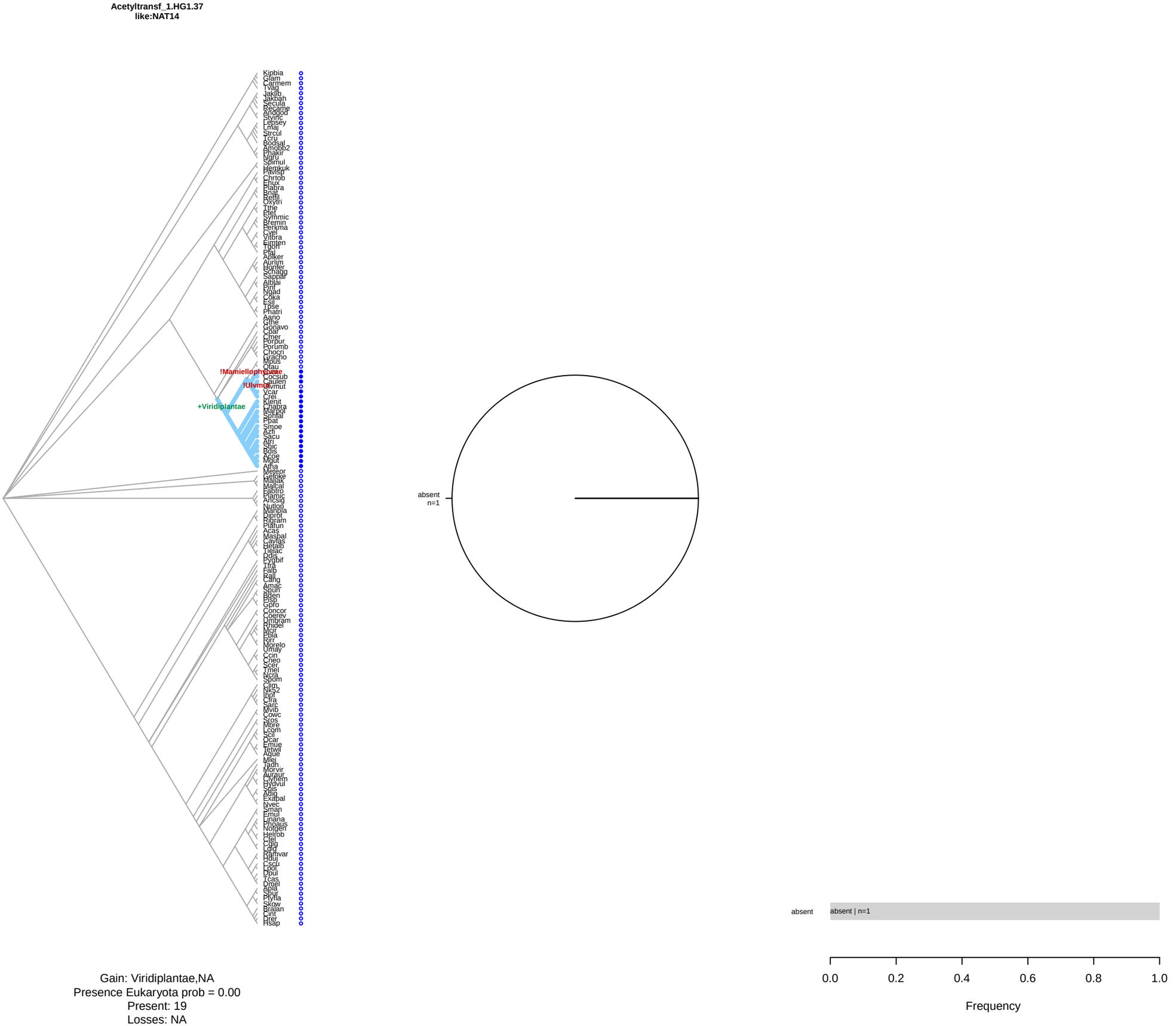


Gain: Mamiellophyceae,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA


Acetyltransf_1.HG1.35
like:NAT14
+Coka
+Mamiellophyceae
absent
n=1
absent
absent | n=1
0.0
0.2
0.4
0.6
0.8
1.0
Frequency
Gain: Mamiellophyceae,Coka,NA
Presence Eukaryota prob = 0.01
Present: 3
Losses: NA

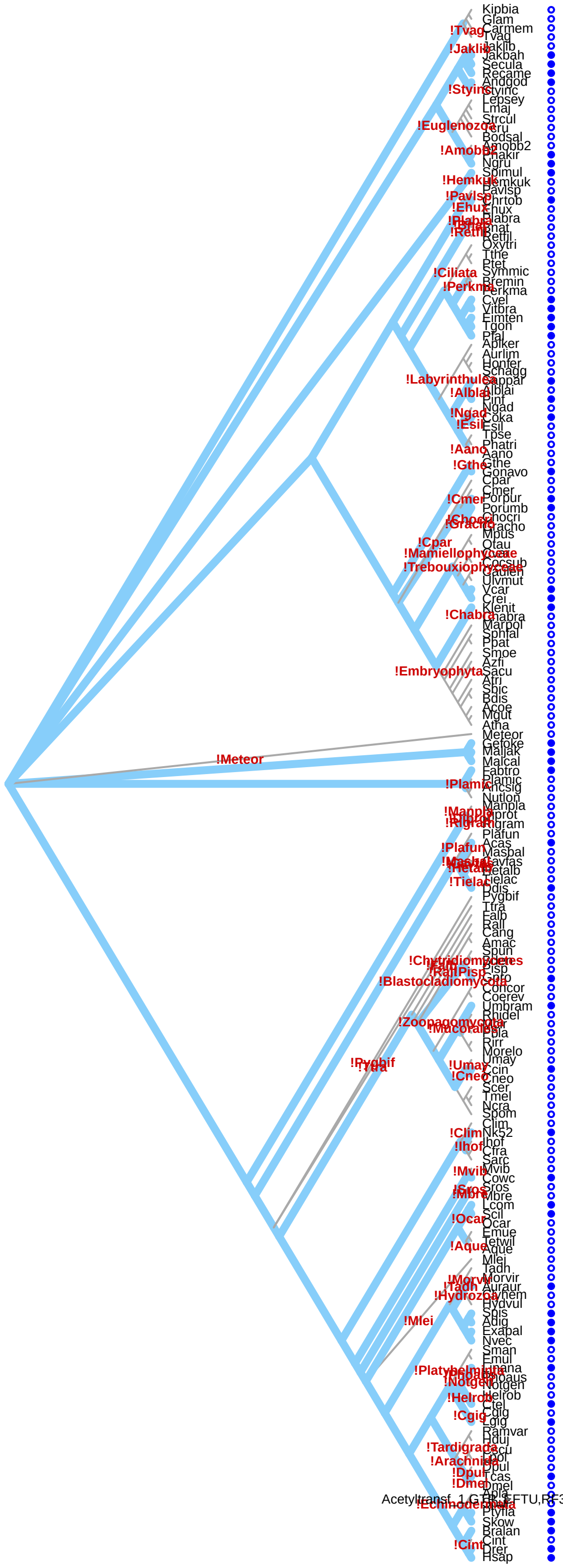


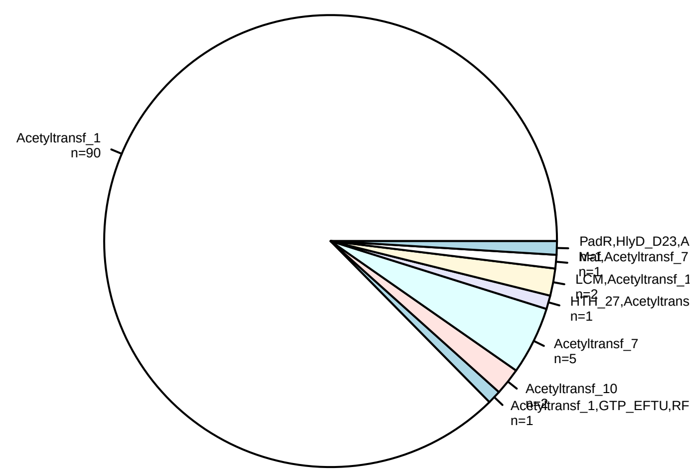
Gain: Chlorophyta,NA
Presence Eukaryota prob = 0.00
Present: 7
Losses: NA

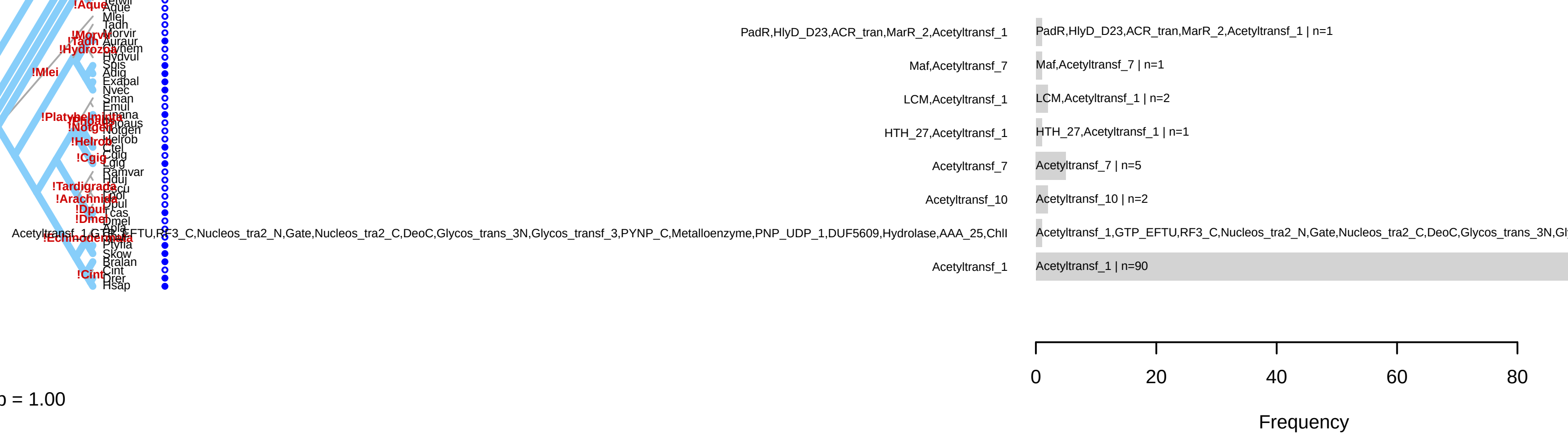


Gain: Viridiplantae,NA
Presence Eukaryota prob = 0.00
Present: 19
Losses: NA

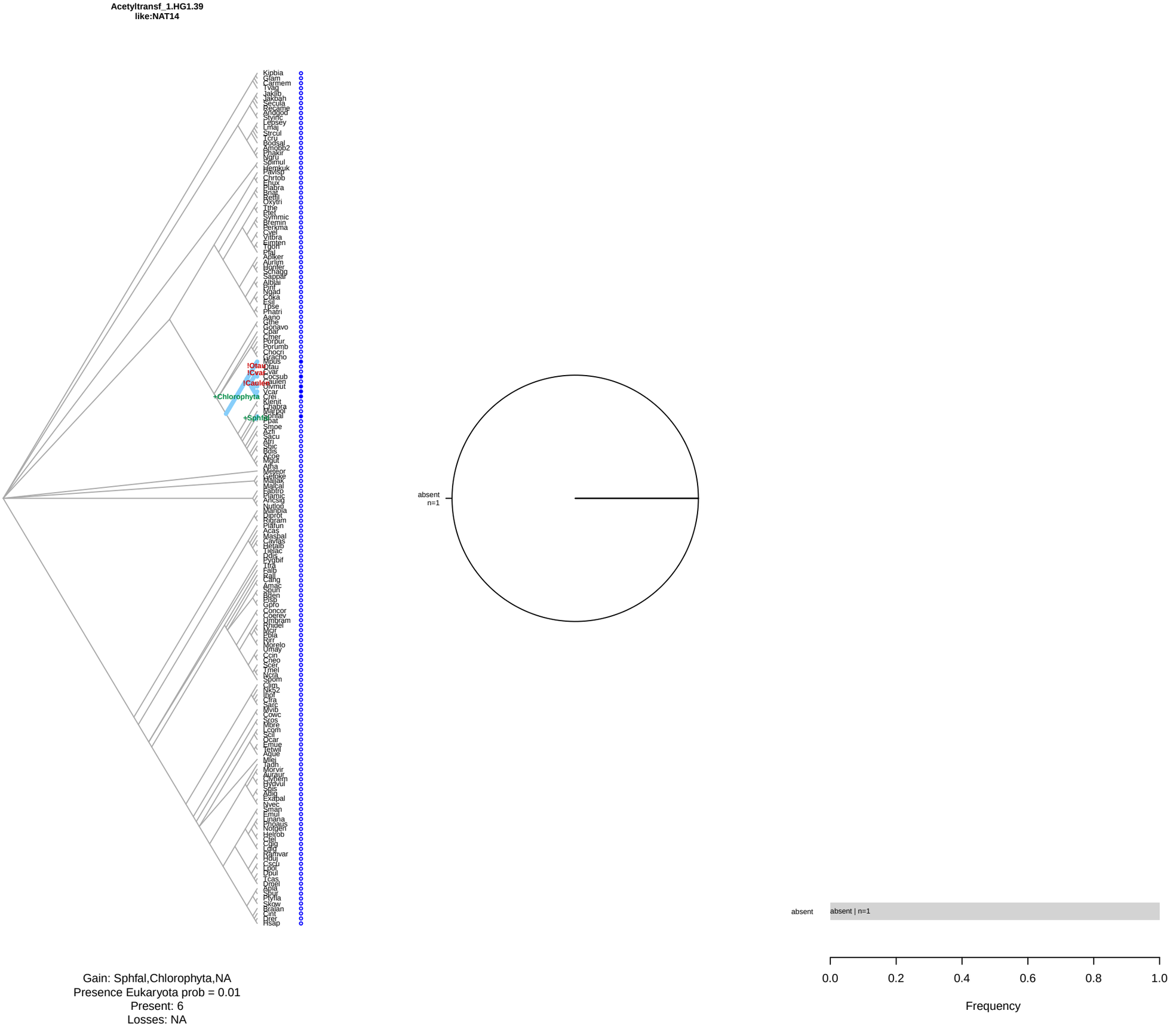
Acetyltransf_1.HG1.38
NAT8/NAT8L



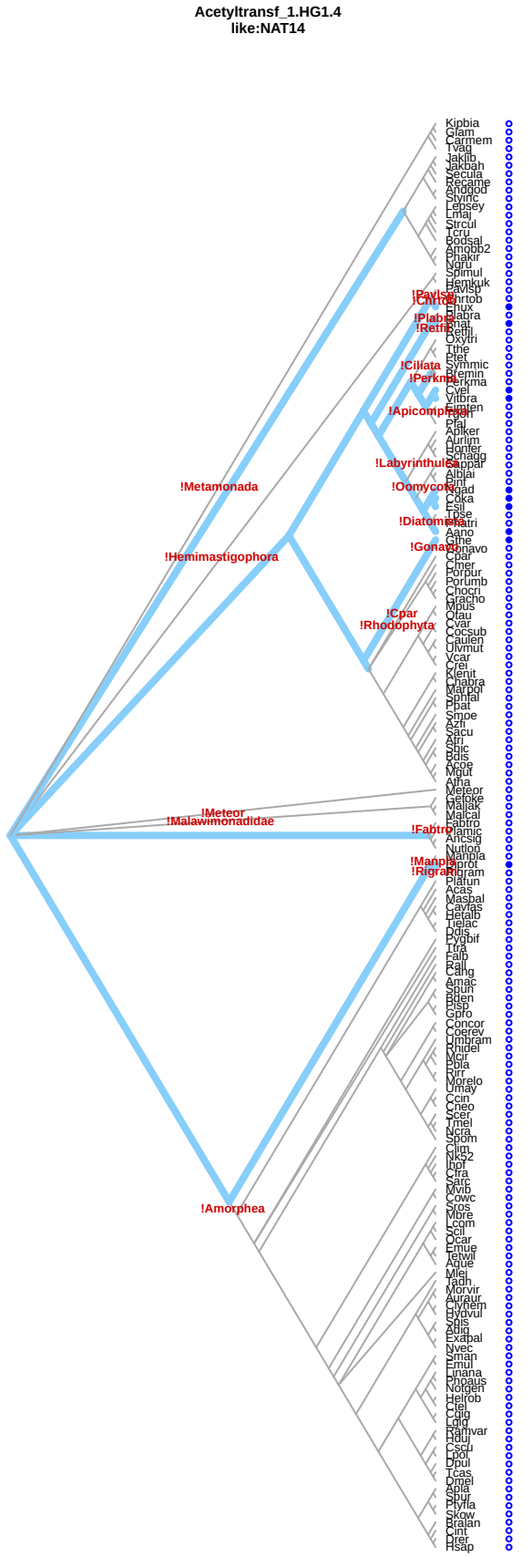




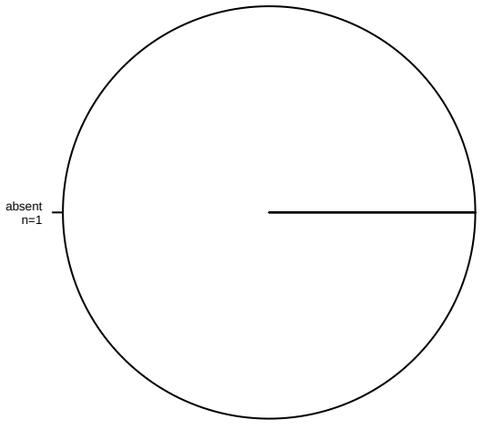
Gain: NA
Presence Eukaryota prob = 1.00
Present: 49
Losses: NA

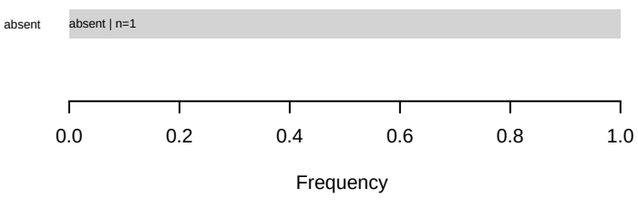


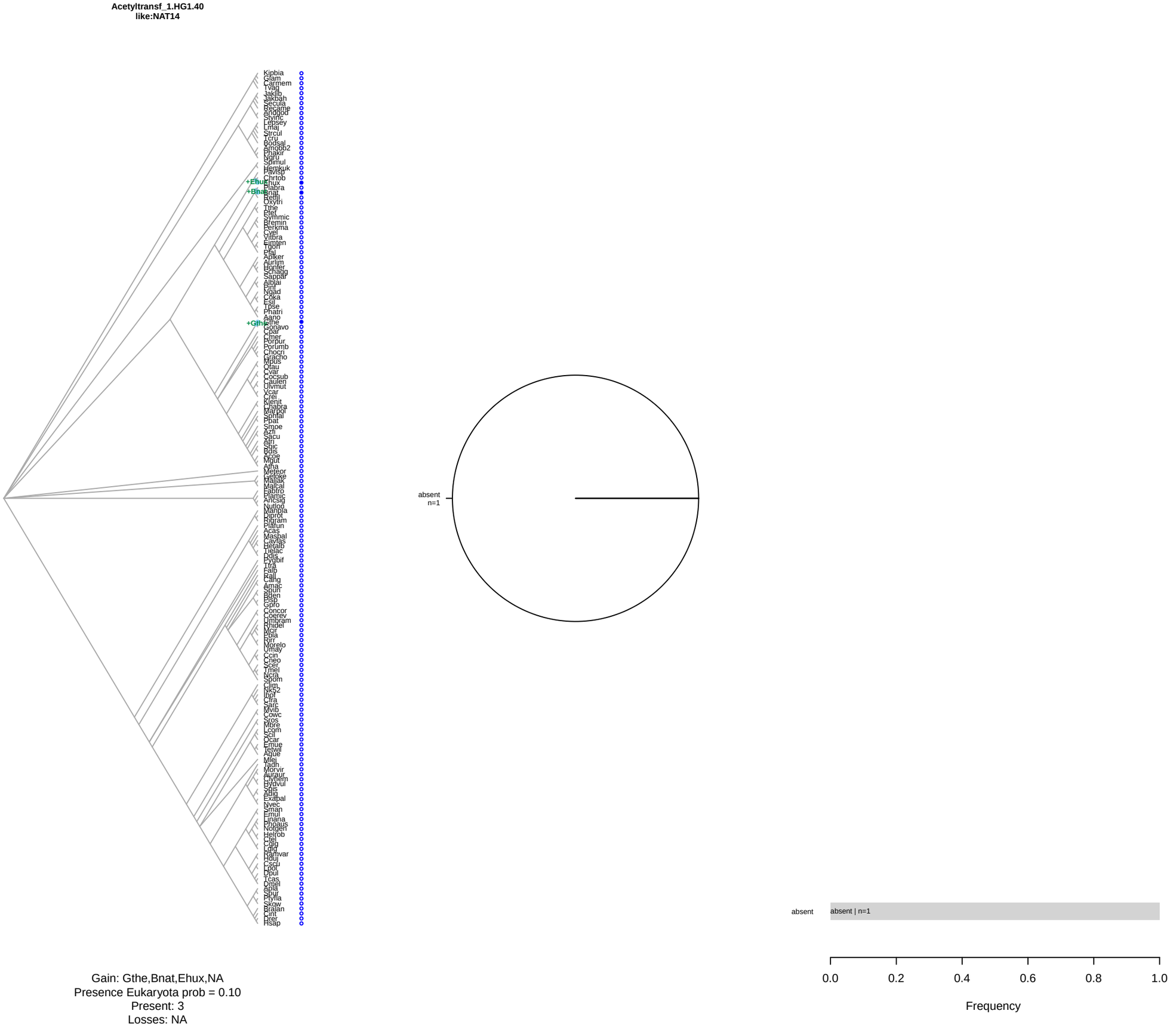
Gain: Sphfal,Chlorophyta,NA
Presence Eukaryota prob = 0.01
Present: 6
Losses: NA

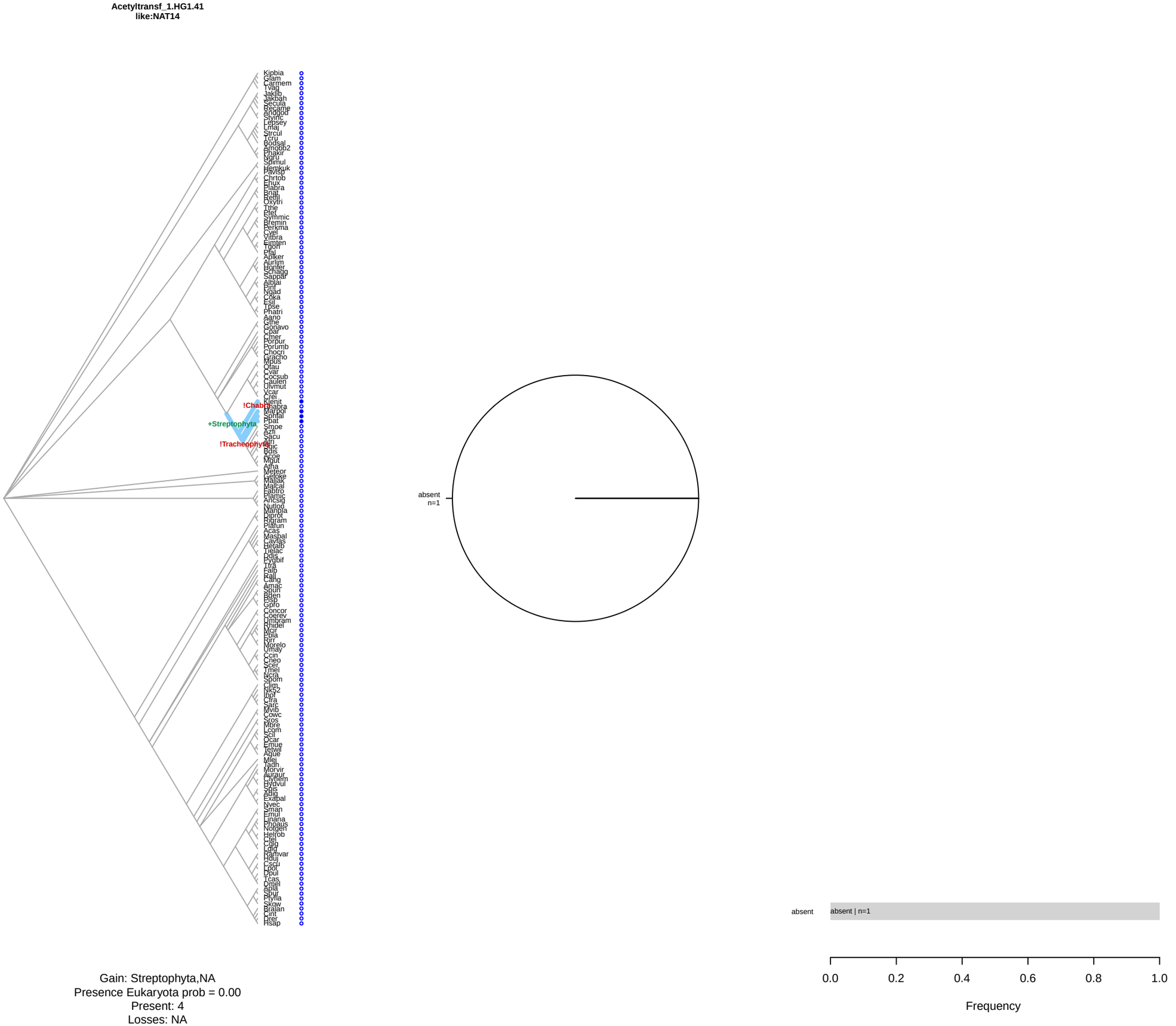


Gain: NA
Presence Eukaryota prob = 0.94
Present: 10
Losses: NA

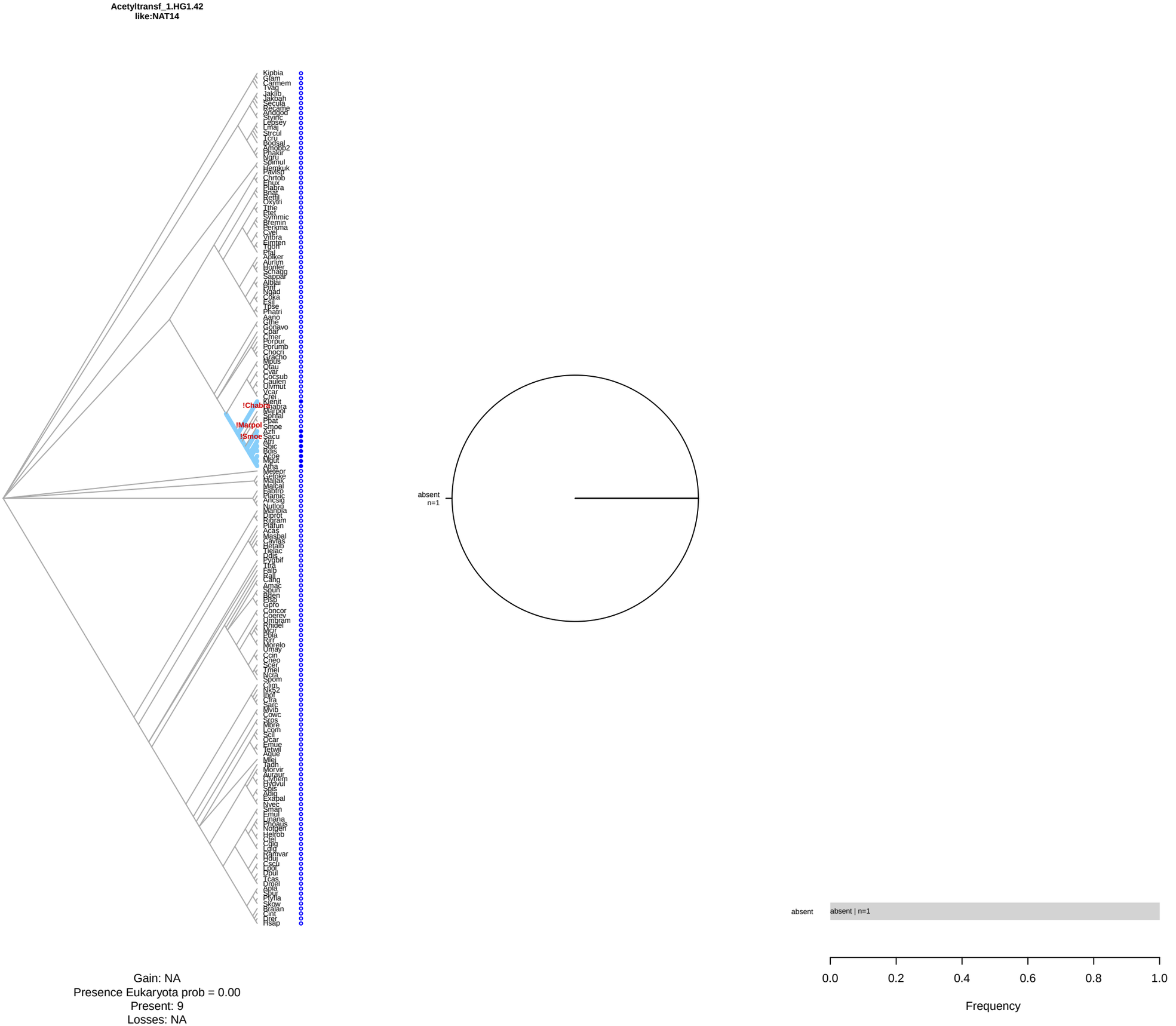




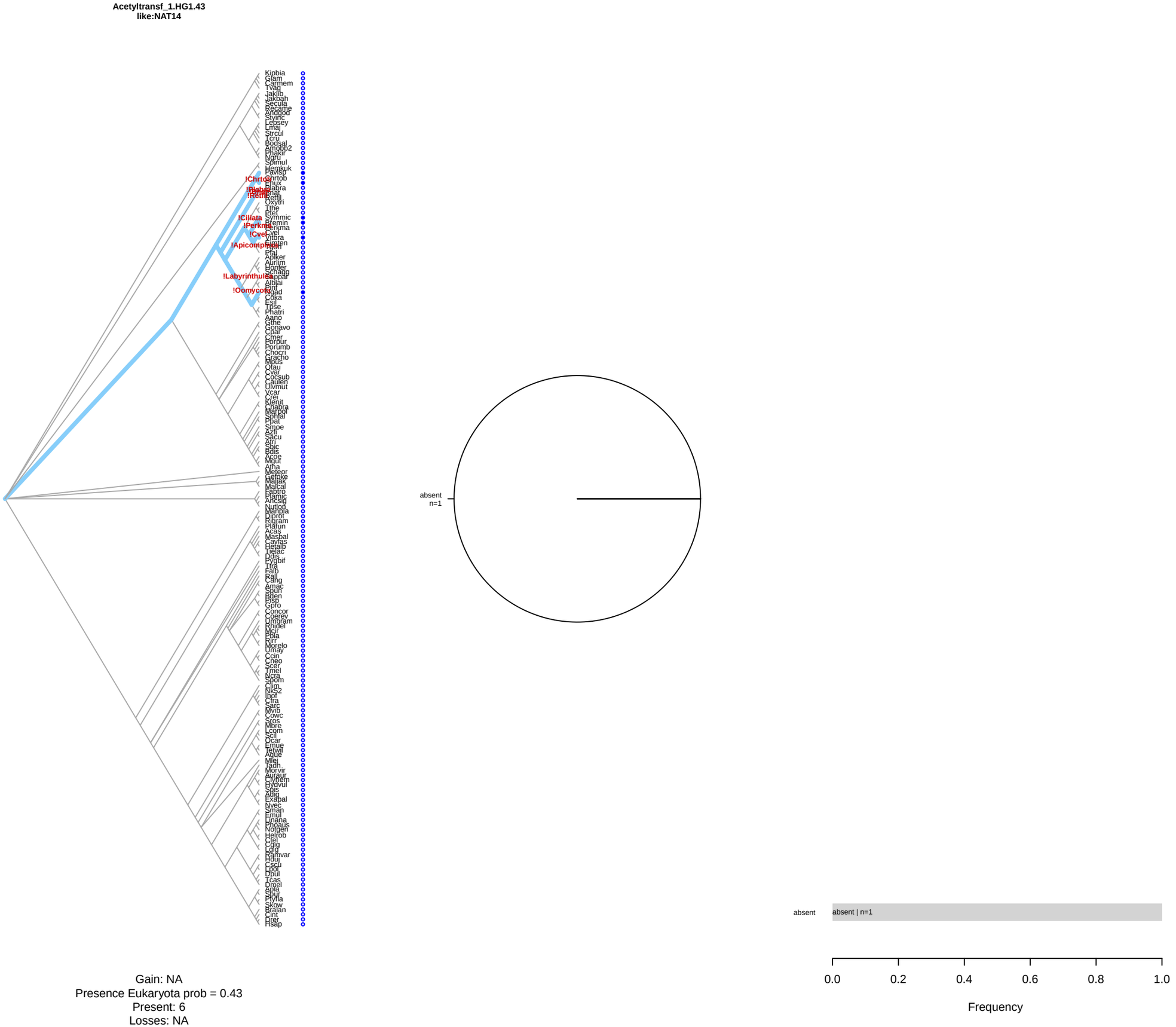

Acetyltransf_1.HG1.40
like:NAT14
+Ehux
+Bnat
+Gthe
absent
n=1
absent
absent | n=1
0.0
0.2
0.4
0.6
0.8
1.0
Frequency
Gain: Gthe,Bnat,Ehux,NA
Presence Eukaryota prob = 0.10
Present: 3
Losses: NA



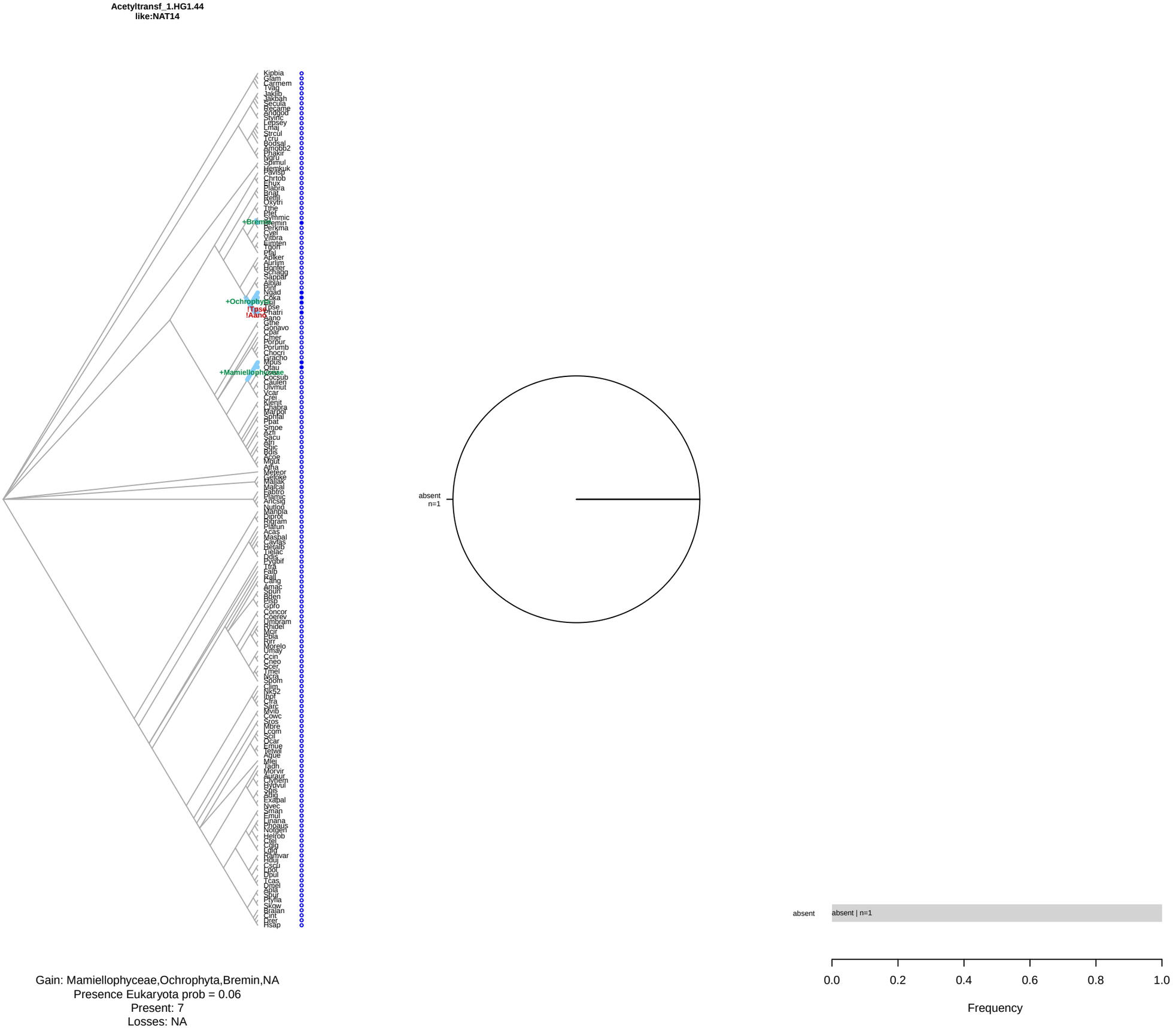
Gain: Streptophyta,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



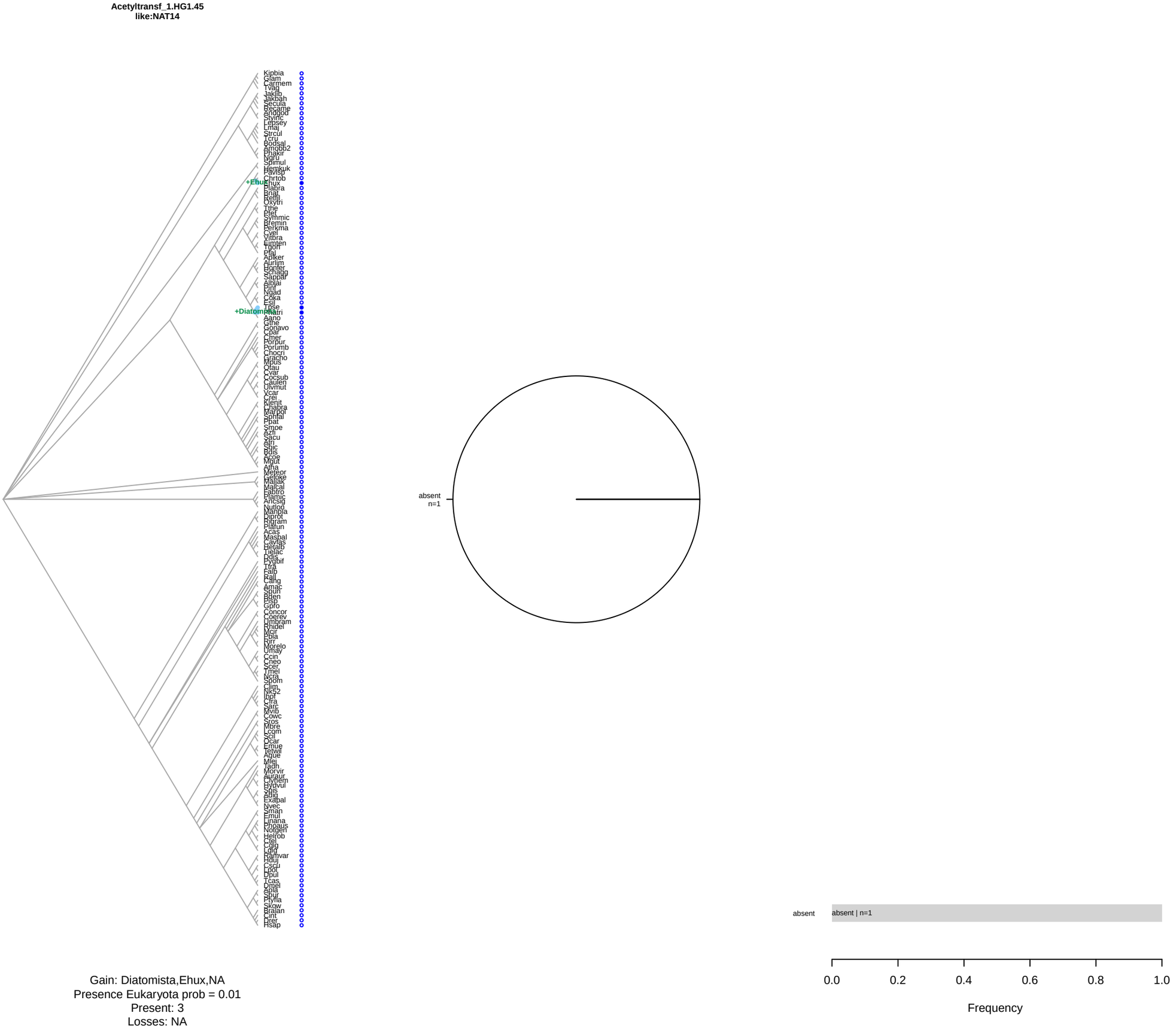
Gain: NA
Presence Eukaryota prob = 0.00
Present: 9
Losses: NA



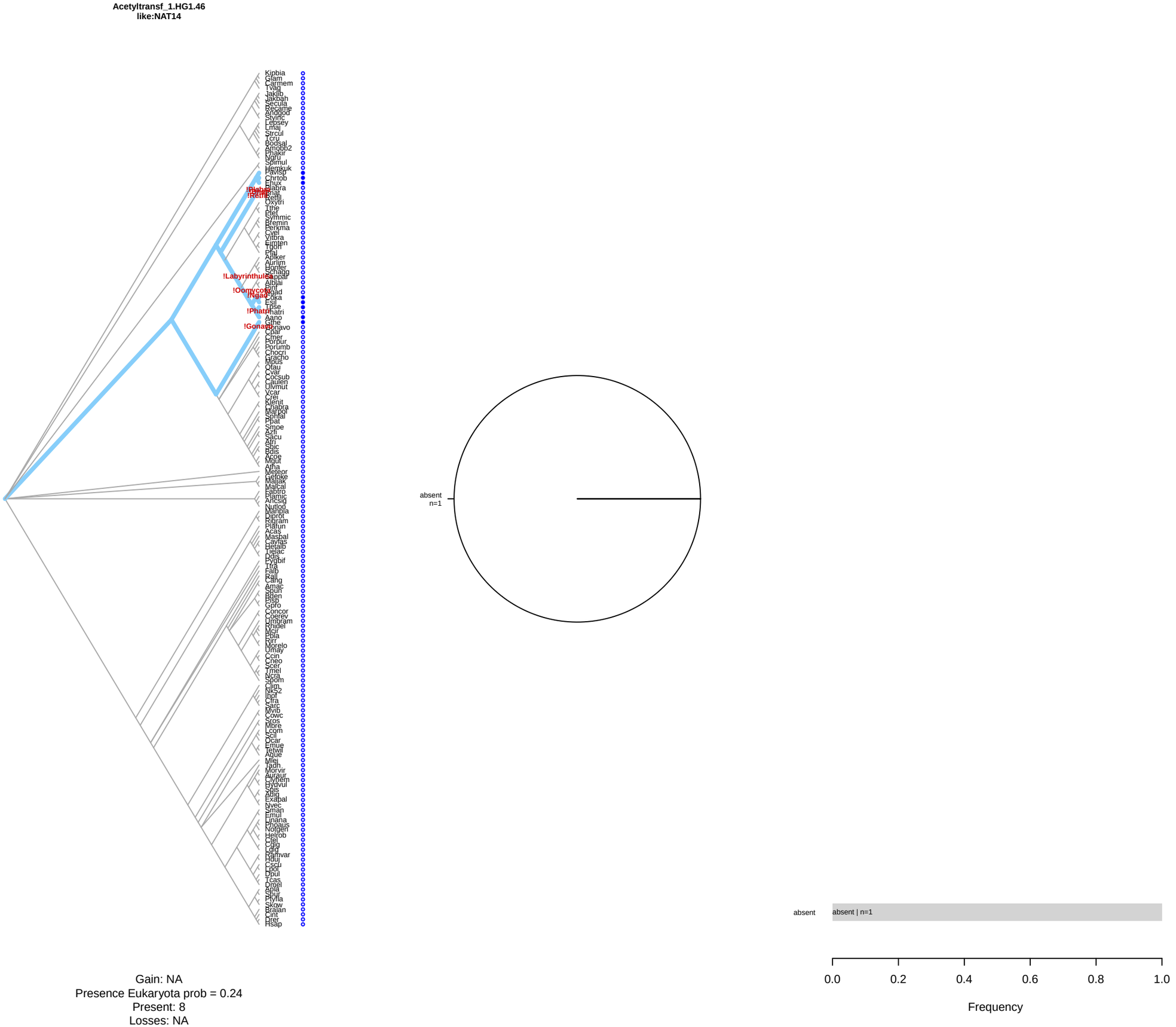
Gain: NA
Presence Eukaryota prob = 0.43
Present: 6
Losses: NA



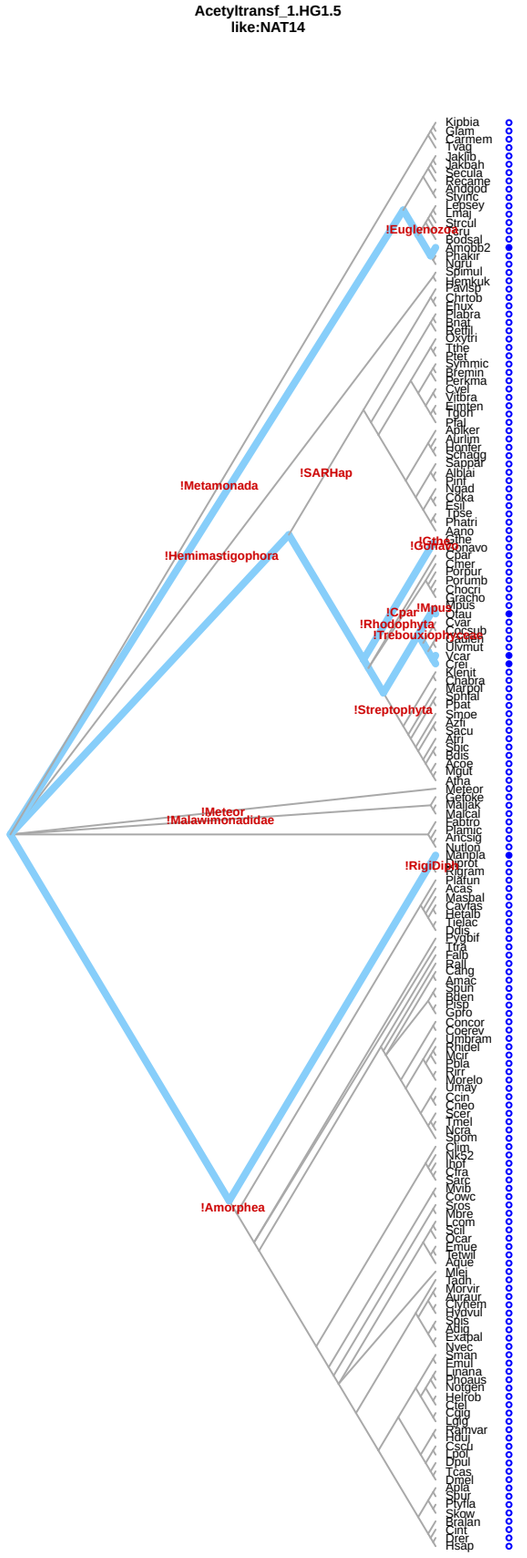
Gain: Mamiellophyceae,Ochrophyta,Bremin,NA
Presence Eukaryota prob = 0.06
Present: 7
Losses: NA

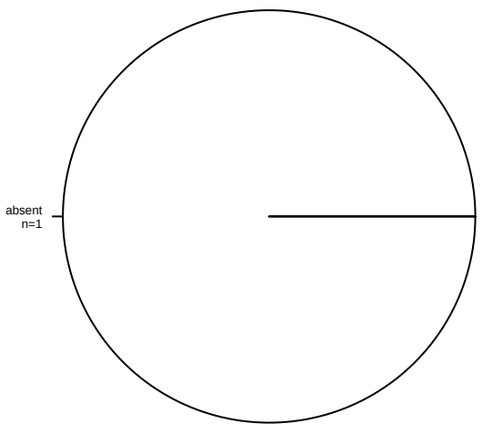


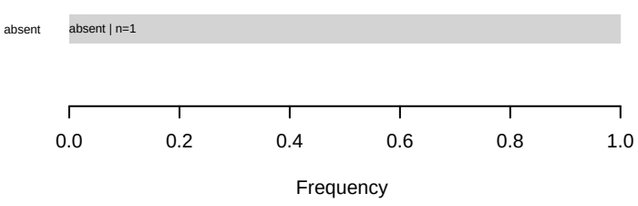
Gain: Diatomista,Ehux,NA
Presence Eukaryota prob = 0.01
Present: 3
Losses: NA



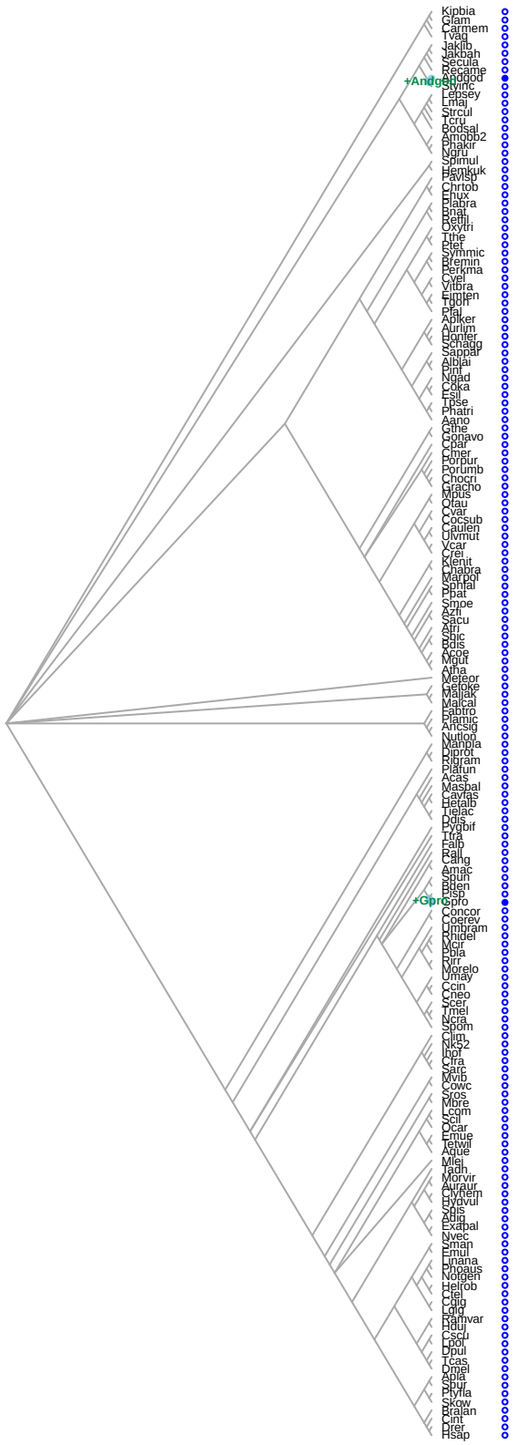
Gain: NA
Presence Eukaryota prob = 0.24
Present: 8
Losses: NA

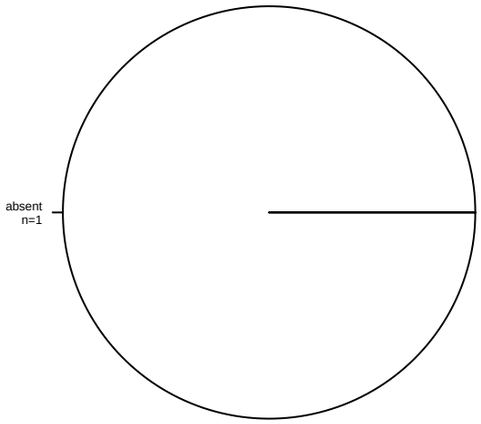


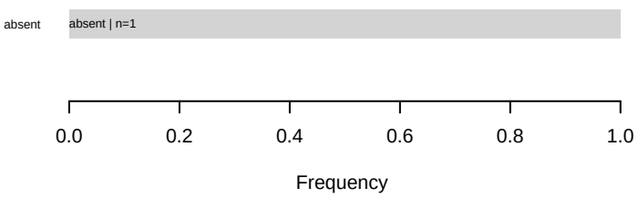




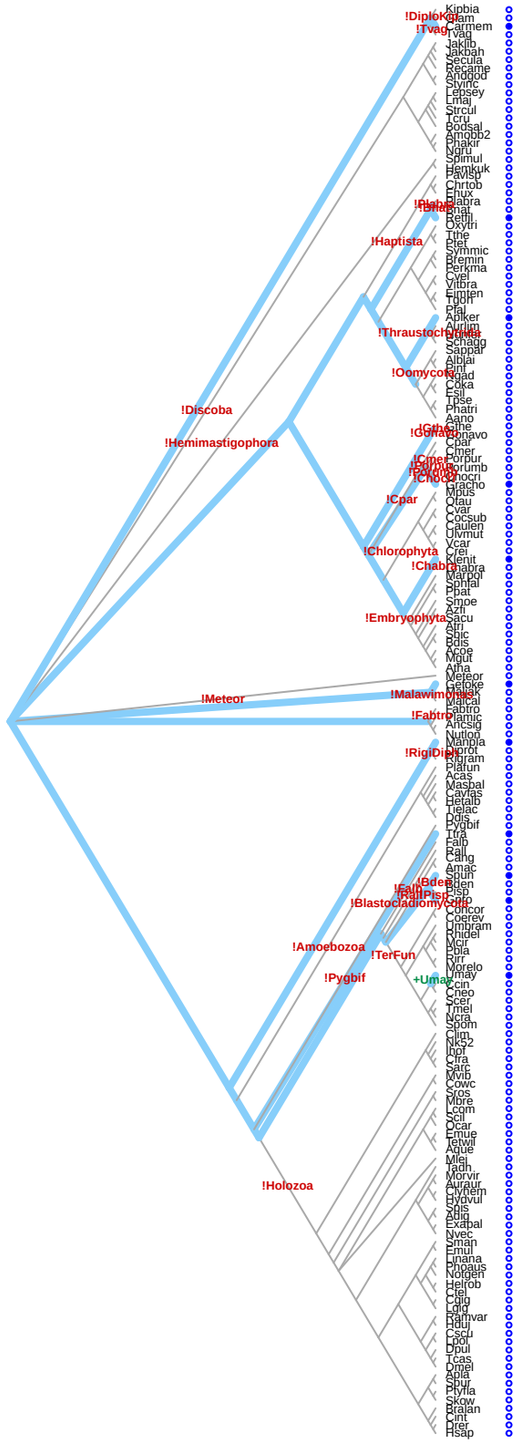
Gain: NA
Presence Eukaryota prob = 0.83
Present: 5
Losses: NA

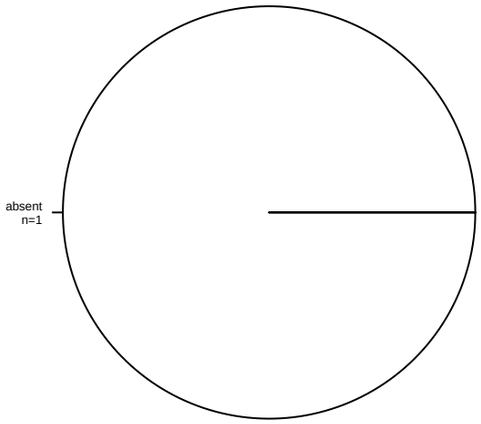


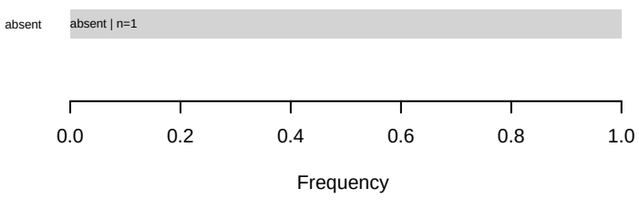




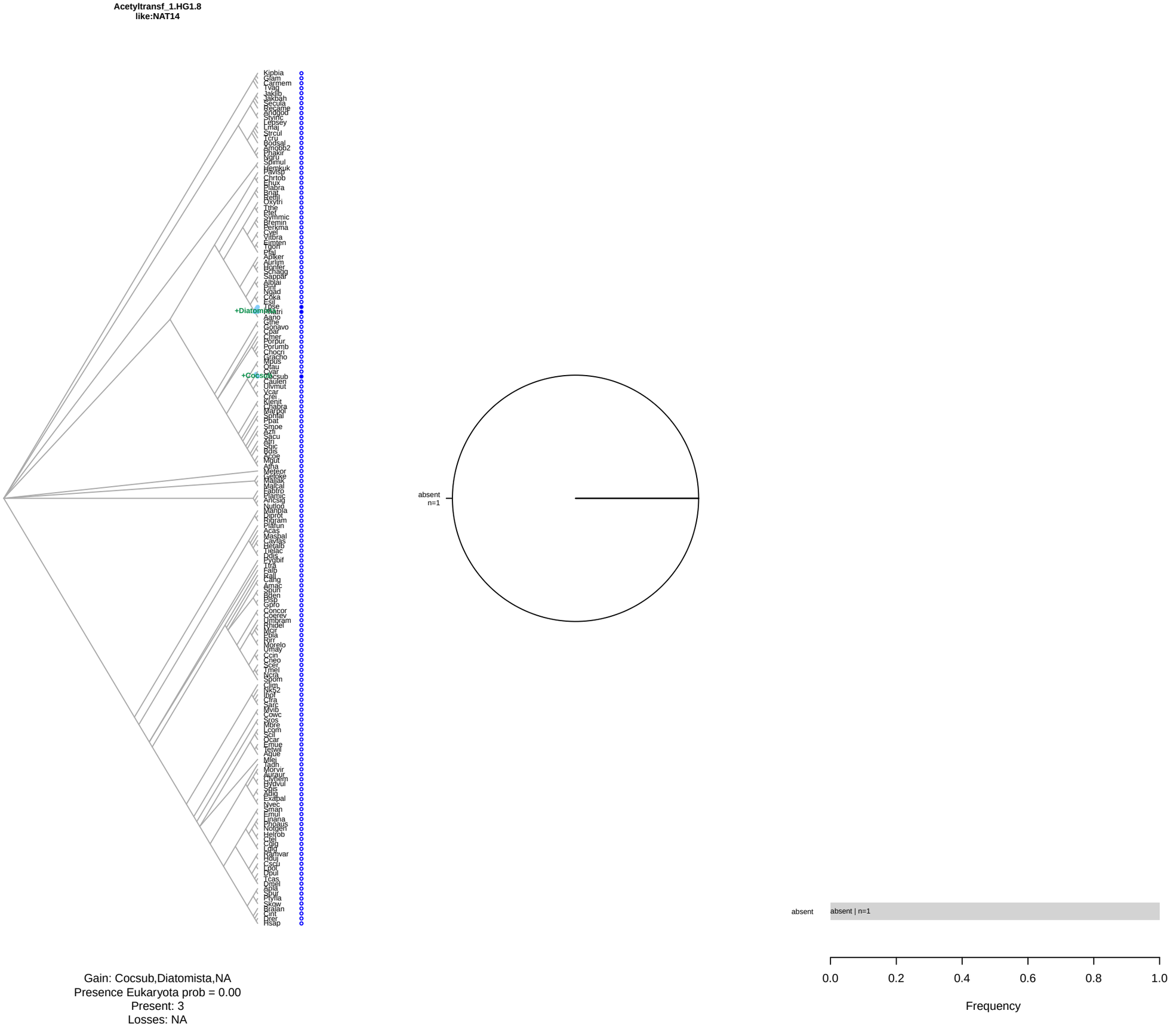
Gain: Gpro,Andgod,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



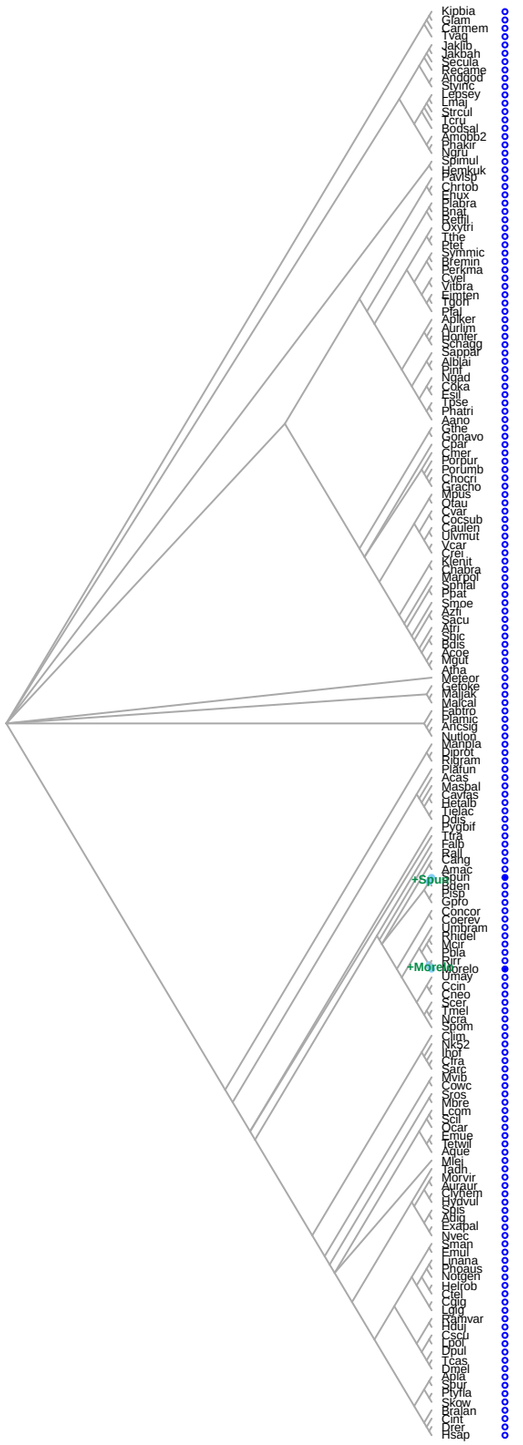


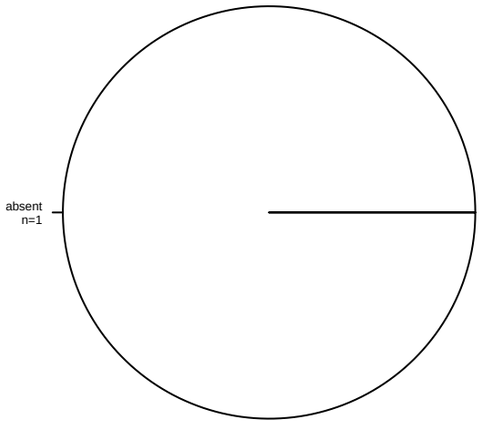


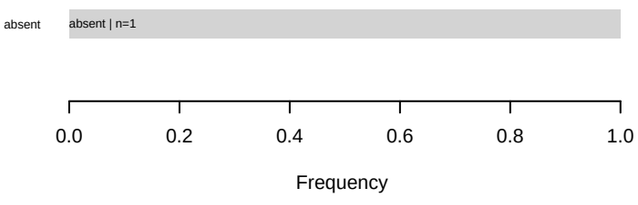
Gain: Umay,NA
Presence Eukaryota prob = 1.00
Present: 11
Losses: NA



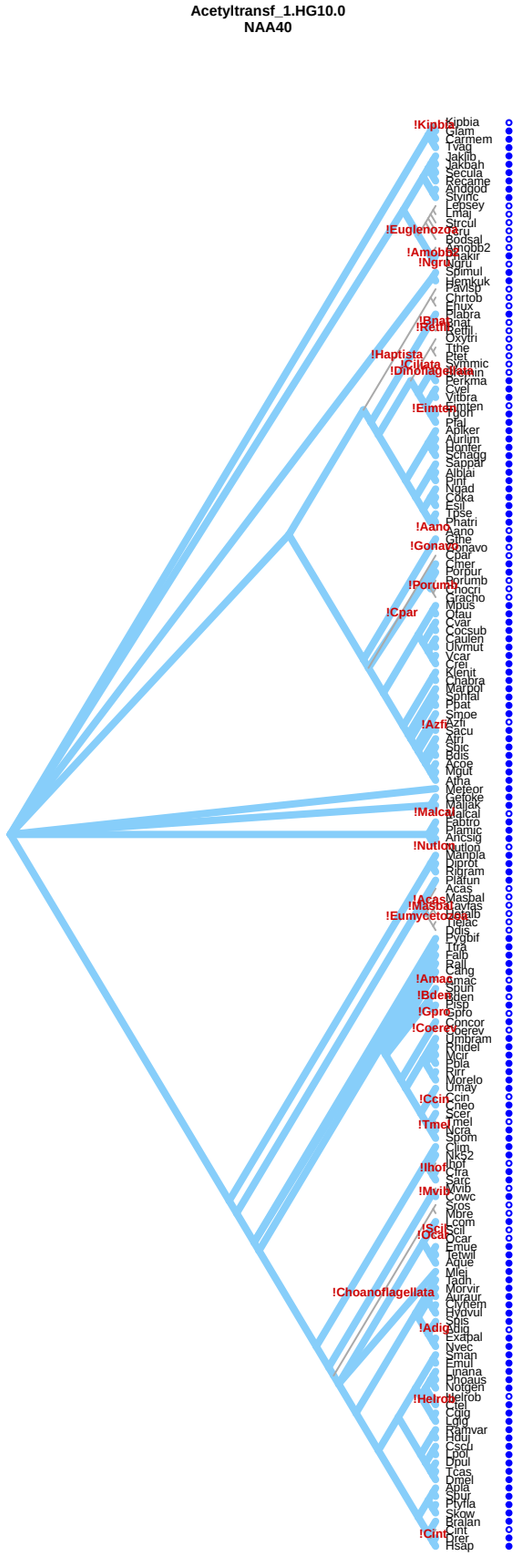
Gain: Cocsub,Diatomista,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

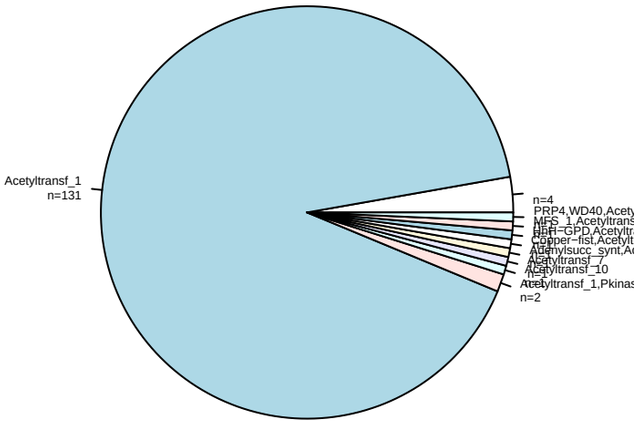


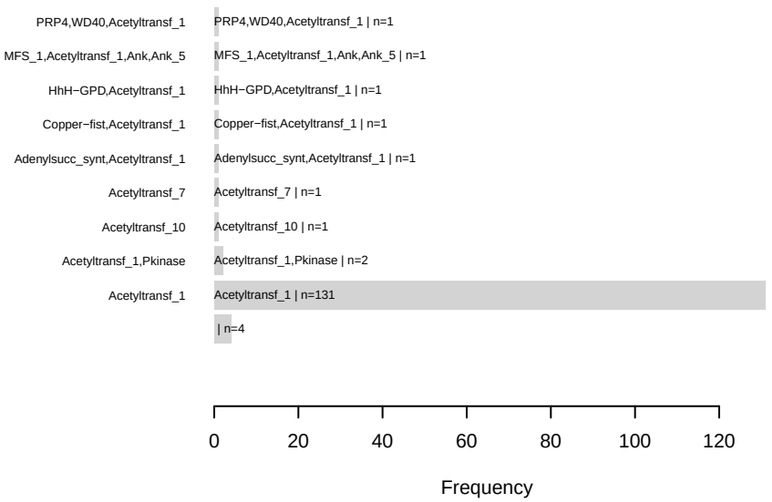




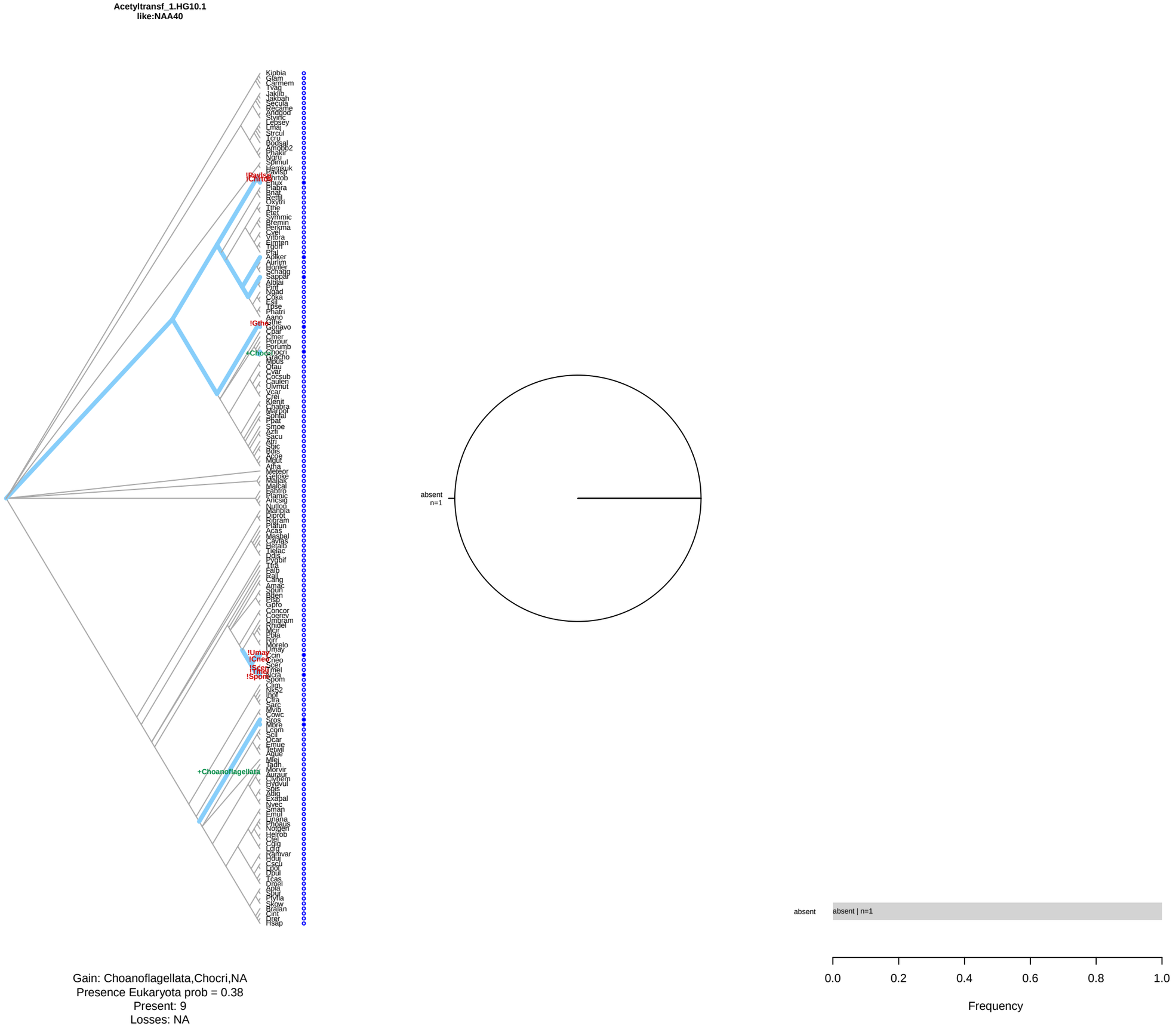
Gain: Morelo,Spun,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



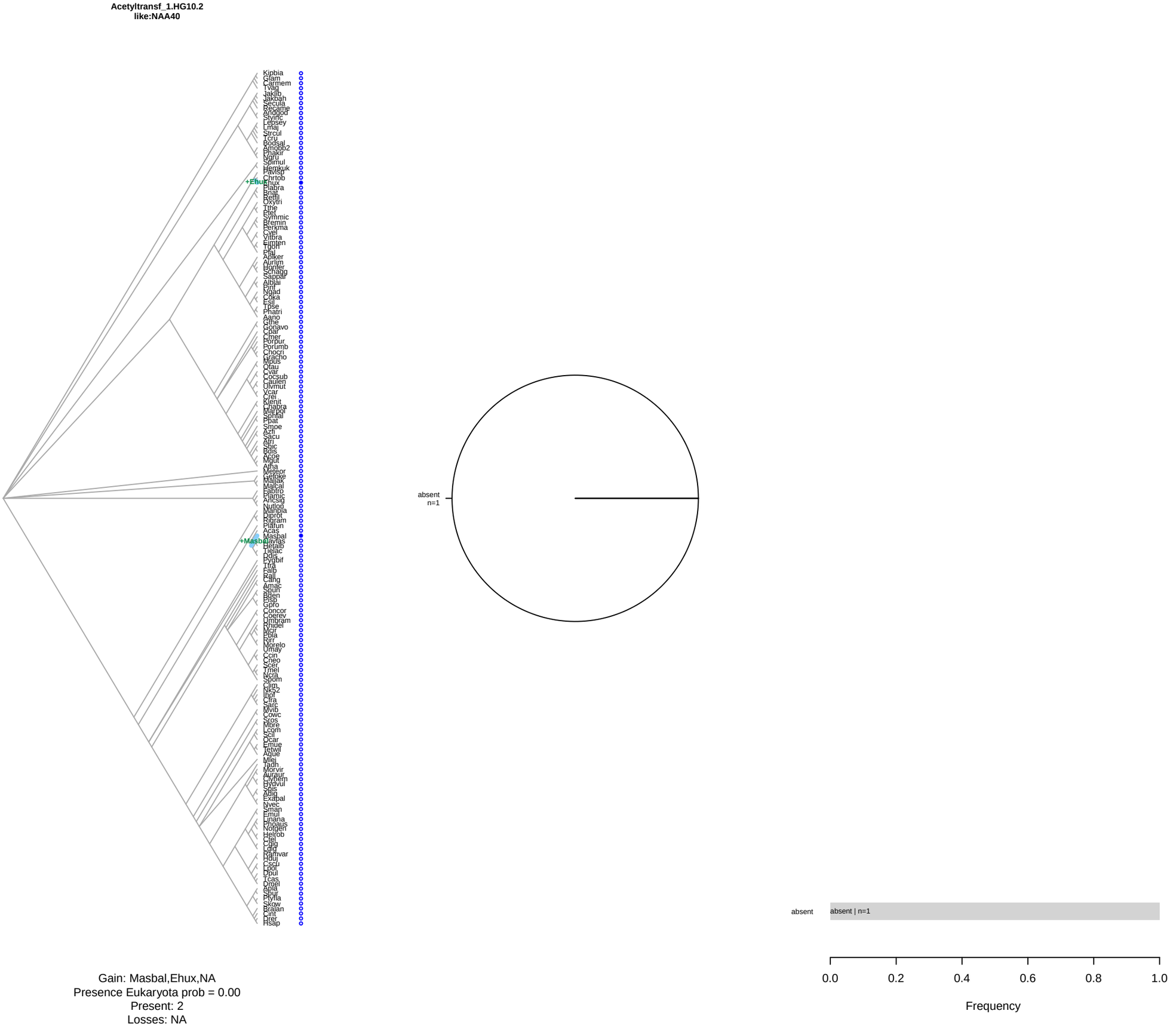




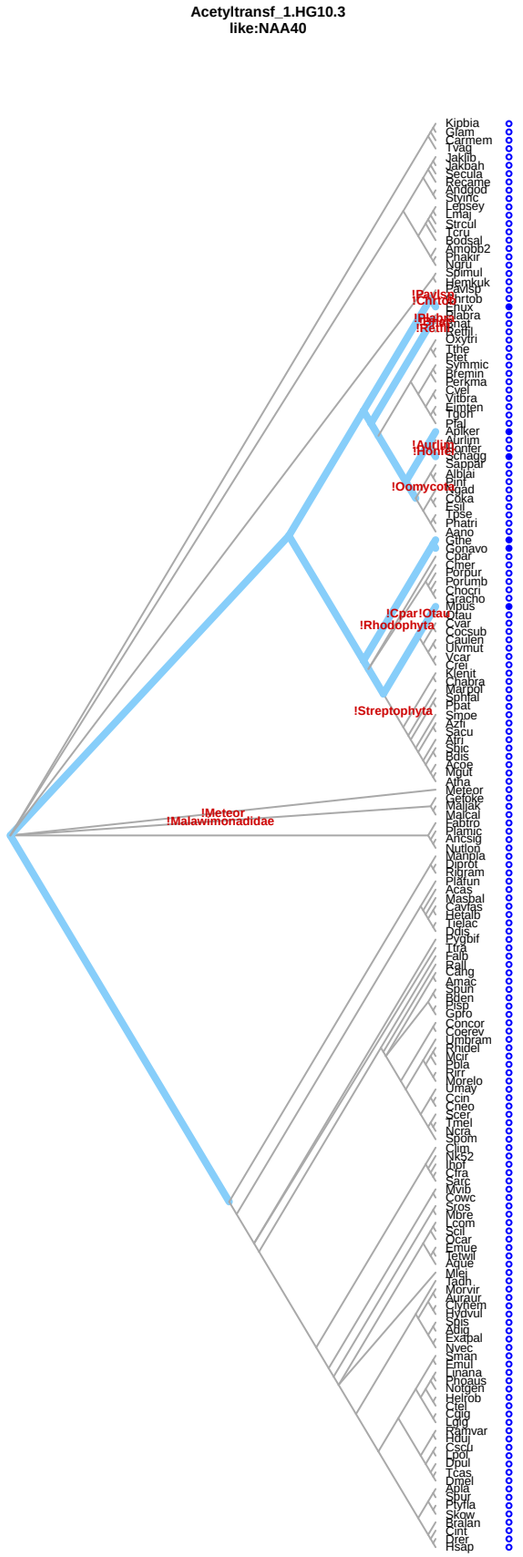
Gain: NA
Presence Eukaryota prob = 1.00
Present: 123
Losses: NA

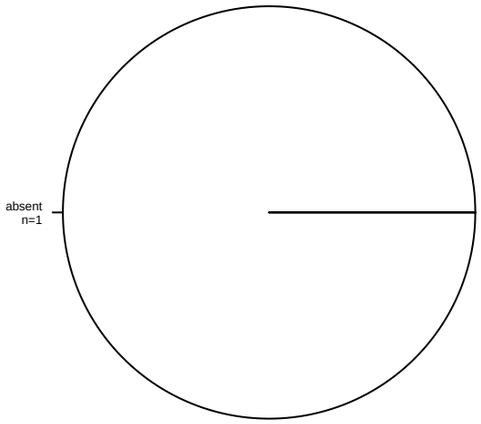


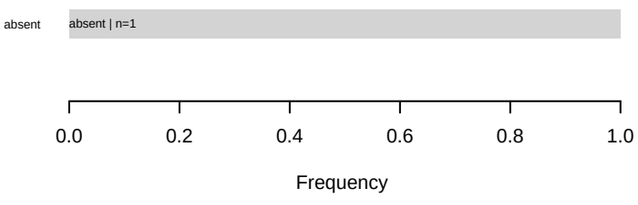
Gain: Choanoflagellata,Chocri,NA
Presence Eukaryota prob = 0.38
Present: 9
Losses: NA



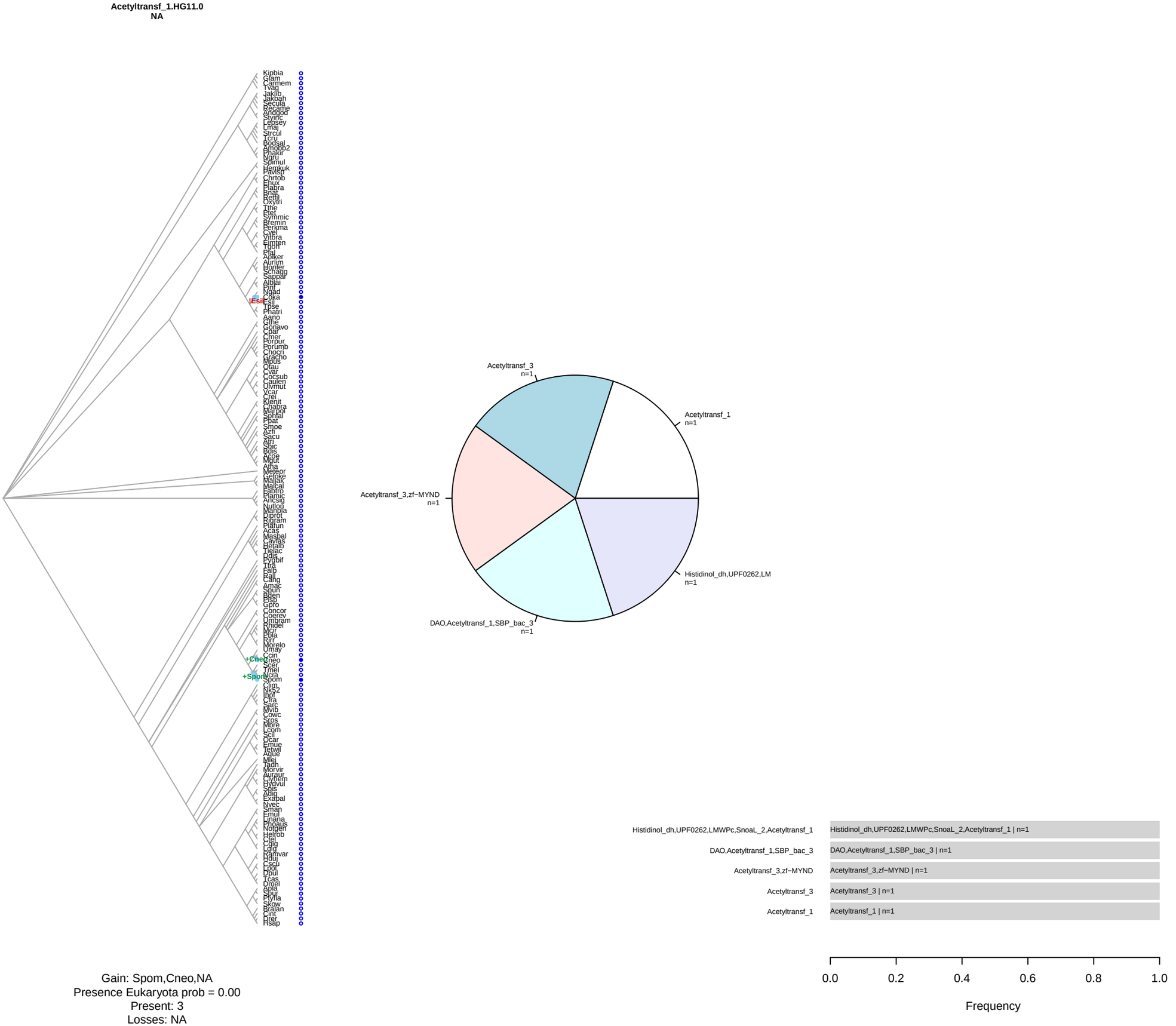
Gain: Masbal,Ehux,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



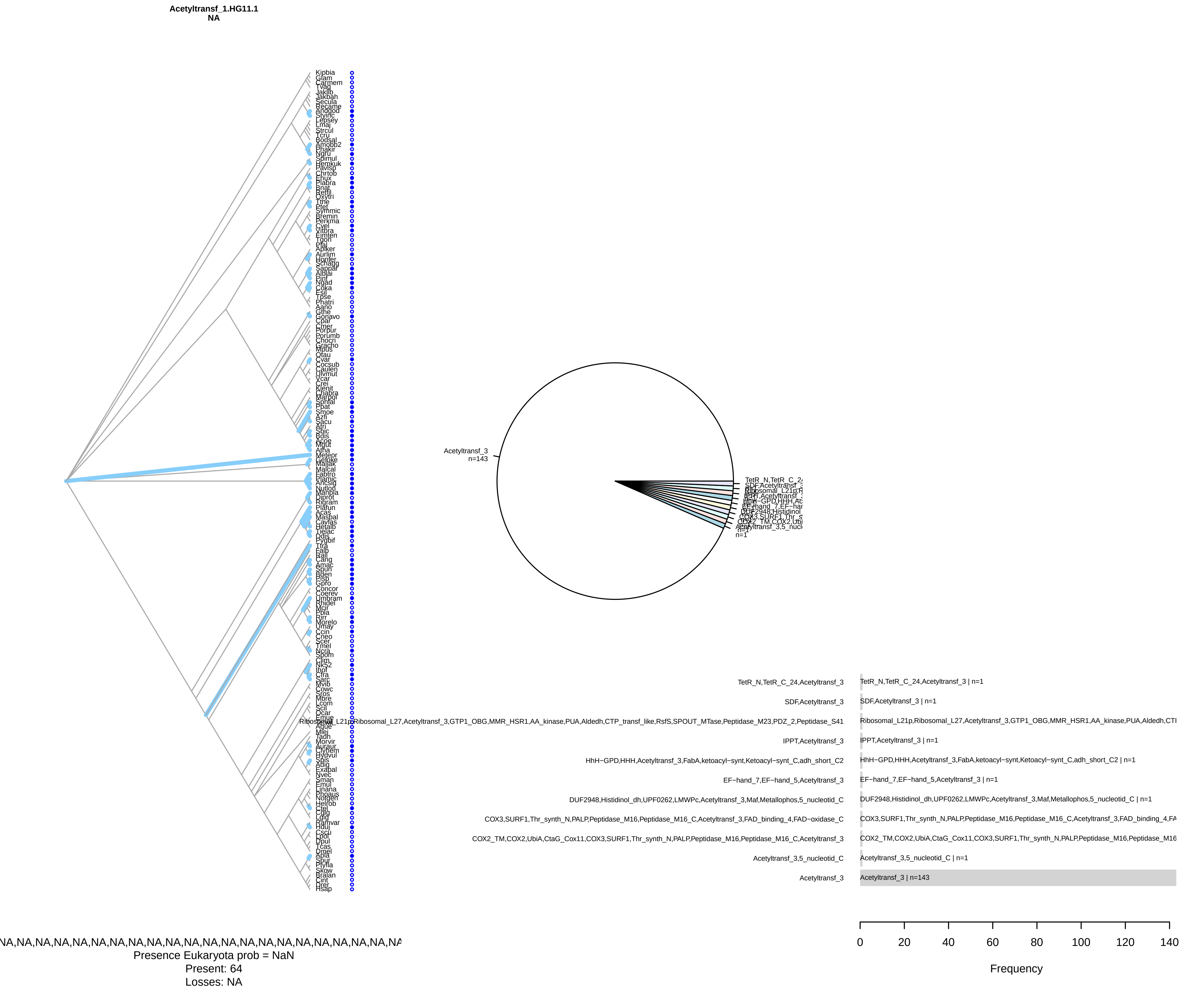




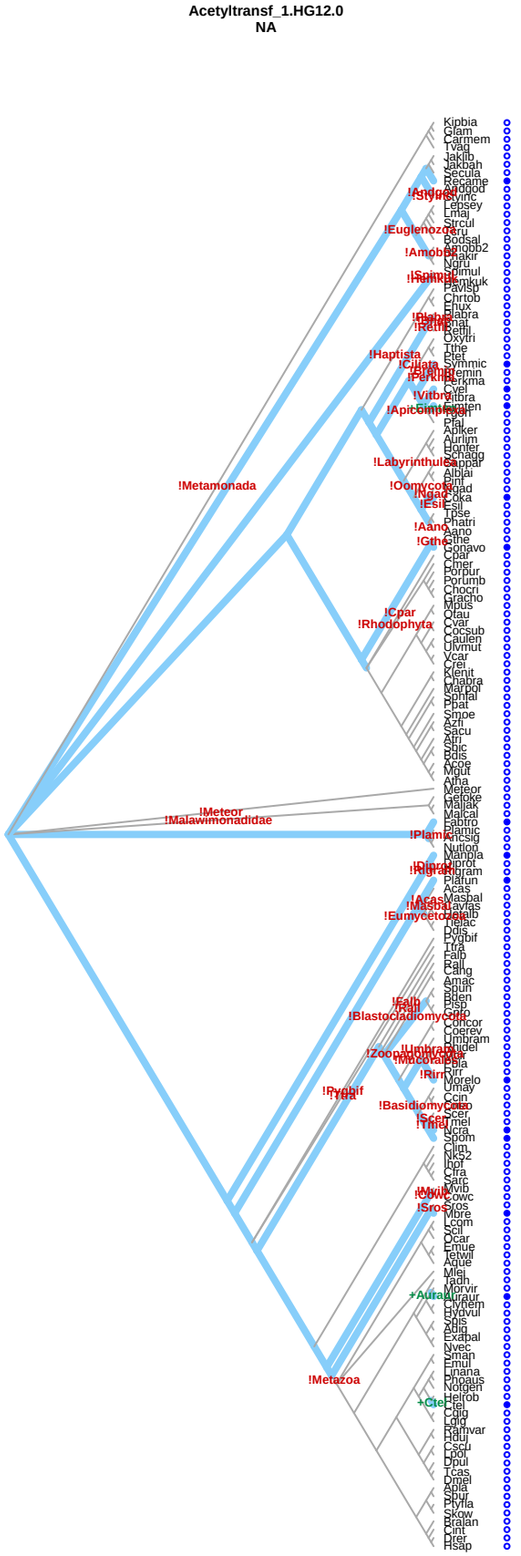
Gain: NA
Presence Eukaryota prob = 0.56
Present: 6
Losses: NA

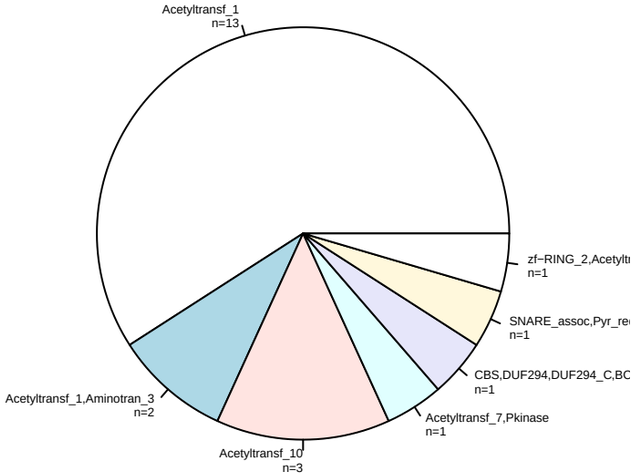


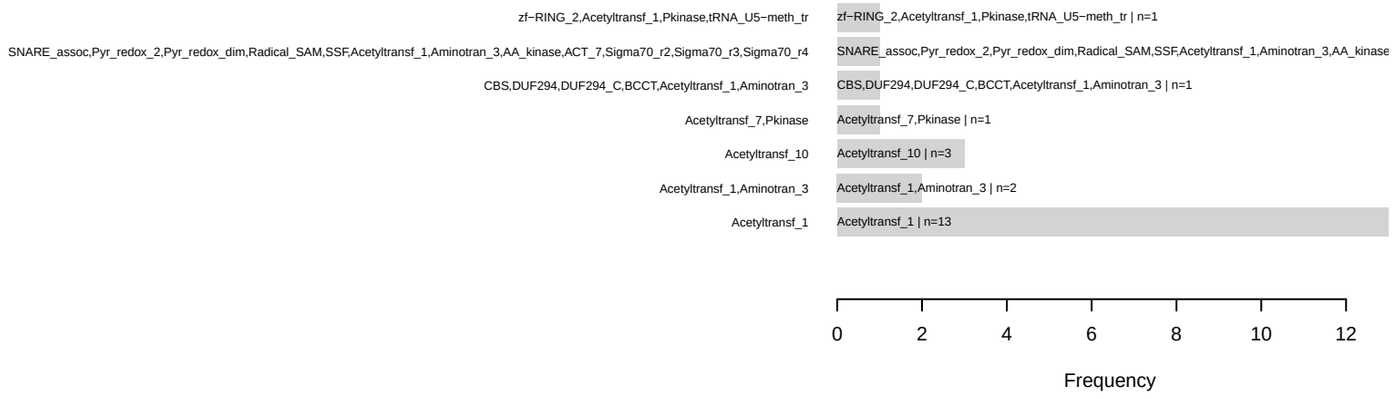
Gain: Spom,Cneo,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA



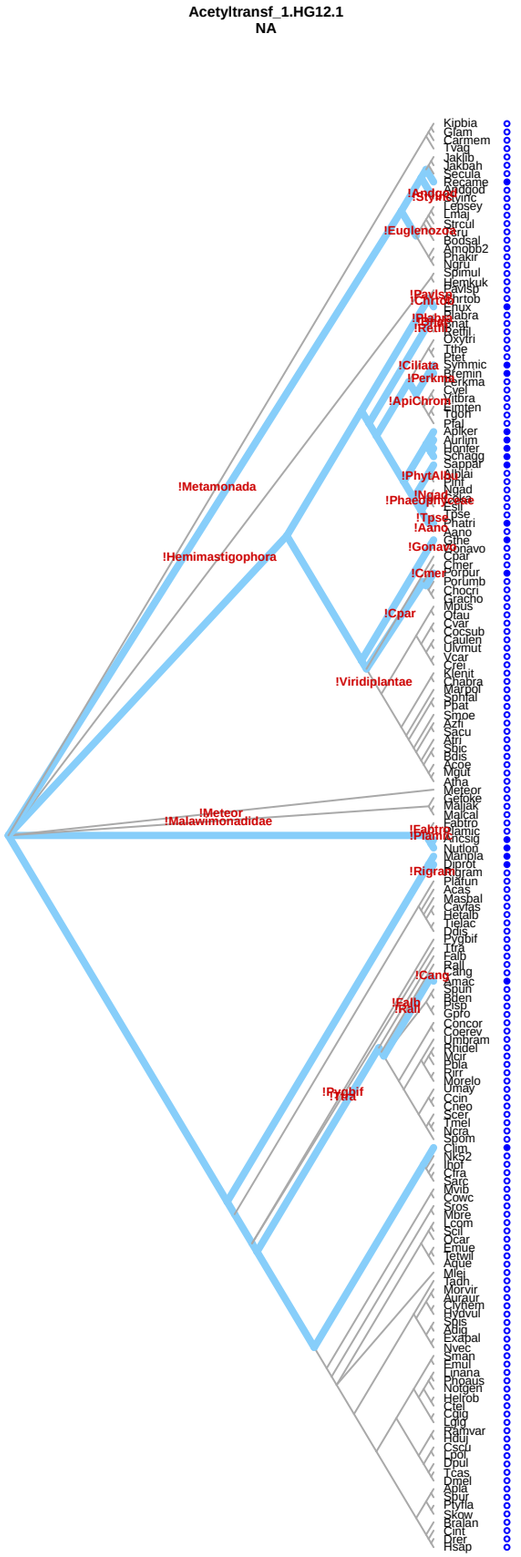
Acetyltransf_1.HG11.1
NA
Acetyltransf_3
n=143
n=1
TetR_N,TetR_C_24,Acetyltransf_3
SDF,Acetyltransf_3
Ribosomal_L21p,Ribosomal_L27,Acetyltransf_3,GTP1_OBG,MMR_HSR1,AA_kinase,PUA,Aldedh,CTP_transf_like,RsfS,SPOUT_MTase,Peptidase_M23,PDZ_2,Peptidase_S41
IPPT,Acetyltransf_3
HhH−GPD,HHH,Acetyltransf_3,FabA,ketoacyl−synt,Ketoacyl−synt_C,adh_short_C2
EF−hand_7,EF−hand_5,Acetyltransf_3
DUF2948,Histidinol_dh,UPF0262,LMWPc,Acetyltransf_3,Maf,Metallophos,5_nucleotid_C
COX3,SURF1,Thr_synth_N,PALP,Peptidase_M16,Peptidase_M16_C,Acetyltransf_3,FAD_binding_4,FAD−oxidase_C
COX2_TM,COX2,UbiA,CtaG_Cox11,COX3,SURF1,Thr_synth_N,PALP,Peptidase_M16,Peptidase_M16_C,Acetyltransf_3
Acetyltransf_3,5_nucleotid_C
Acetyltransf_3
TetR_N,TetR_C_24,Acetyltransf_3 | n=1
SDF,Acetyltransf_3 | n=1
IPPT,Acetyltransf_3 | n=1
HhH−GPD,HHH,Acetyltransf_3,FabA,ketoacyl−synt,Ketoacyl−synt_C,adh_short_C2 | n=1
EF−hand_7,EF−hand_5,Acetyltransf_3 | n=1
DUF2948,Histidinol_dh,UPF0262,LMWPc,Acetyltransf_3,Maf,Metallophos,5_nucleotid_C | n=1
Acetyltransf_3,5_nucleotid_C | n=1
Acetyltransf_3 | n=143
0 20 40 60 80 100 120 140
Frequency
NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA
Presence Eukaryota prob = NaN
Present: 64
Losses: NA

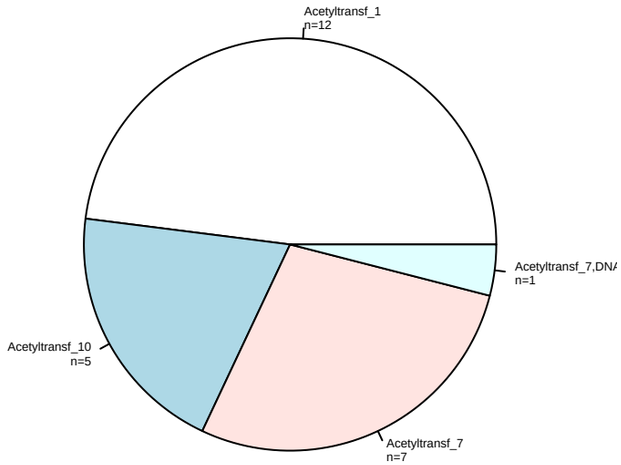


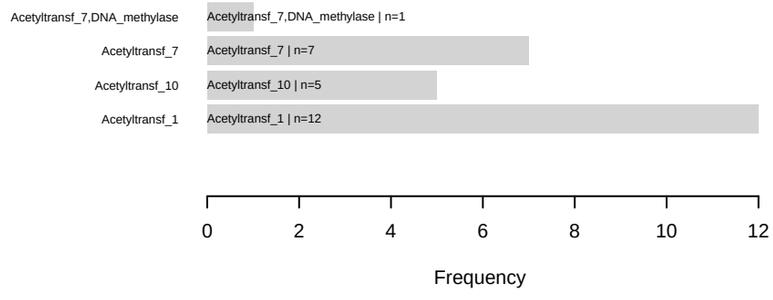




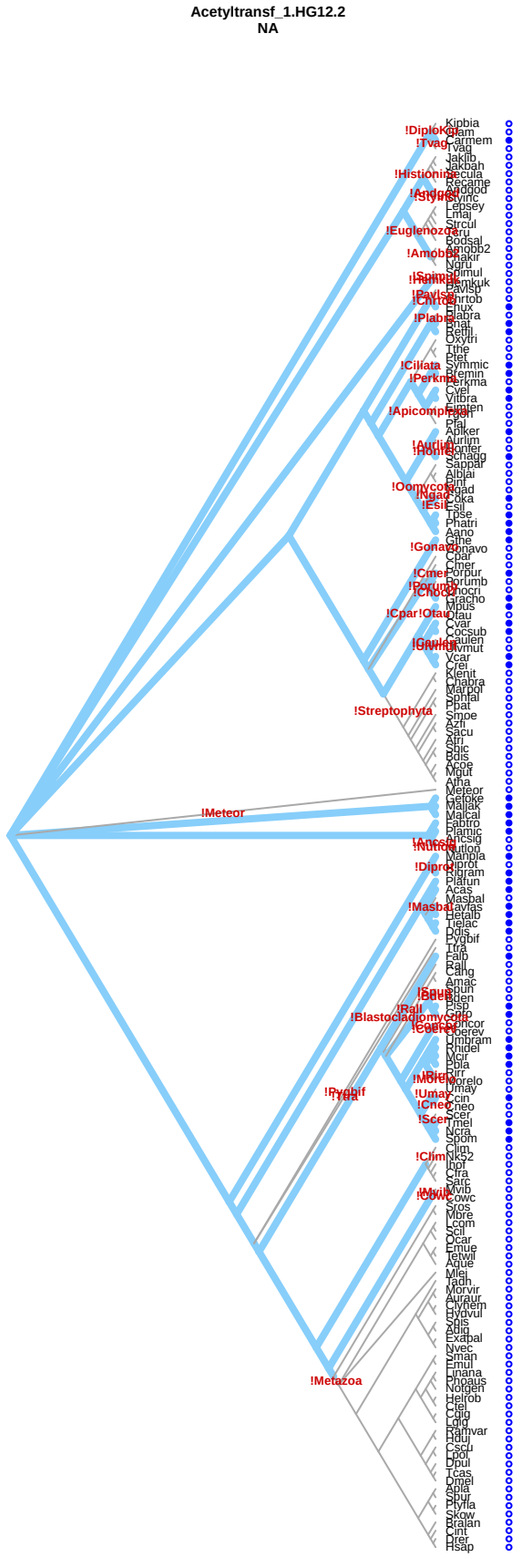
Gain: Ctel,Auraur,Eimten,NA
Presence Eukaryota prob = 1.00
Present: 15
Losses: NA



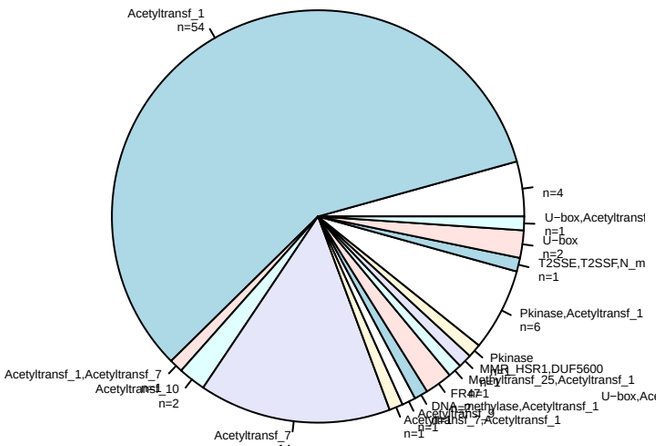


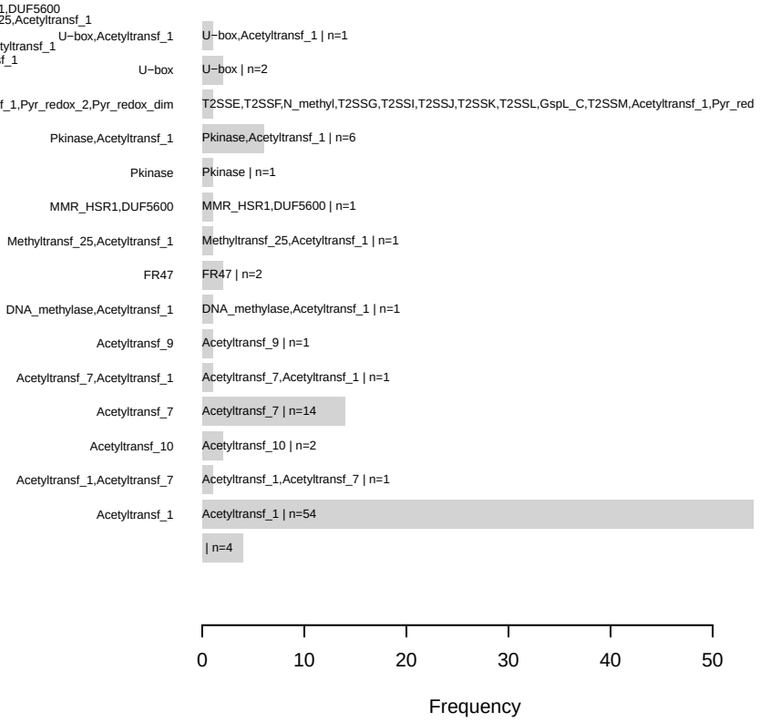


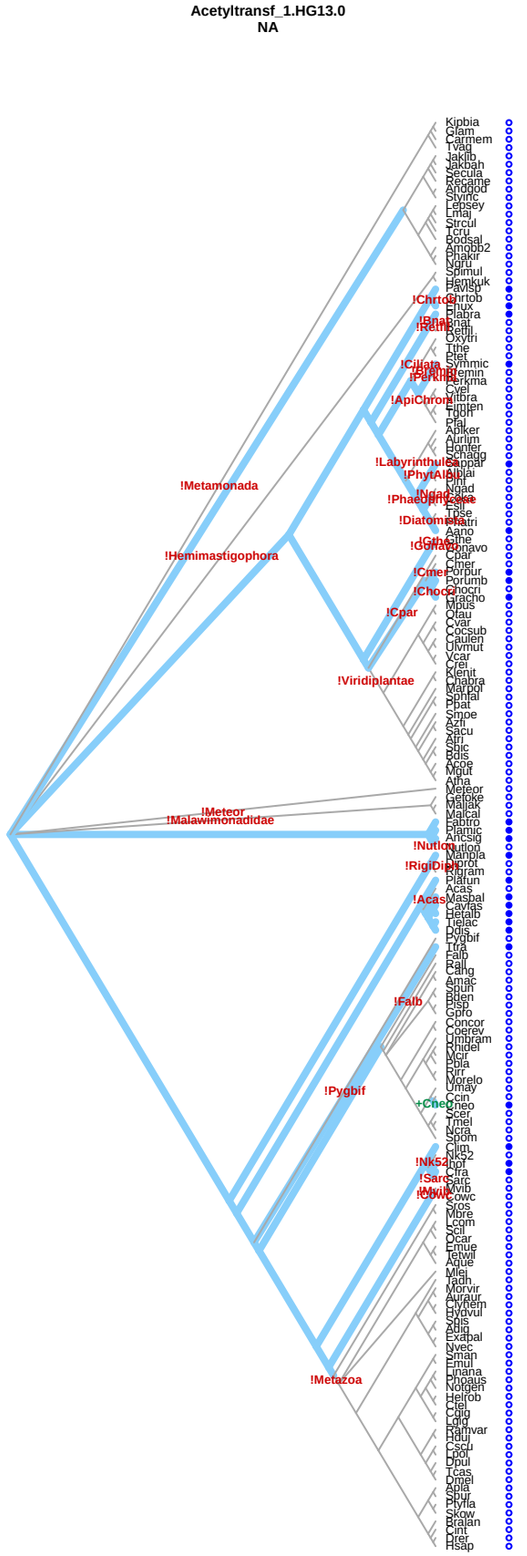
Gain: NA
Presence Eukaryota prob = 1.00
Present: 18
Losses: NA

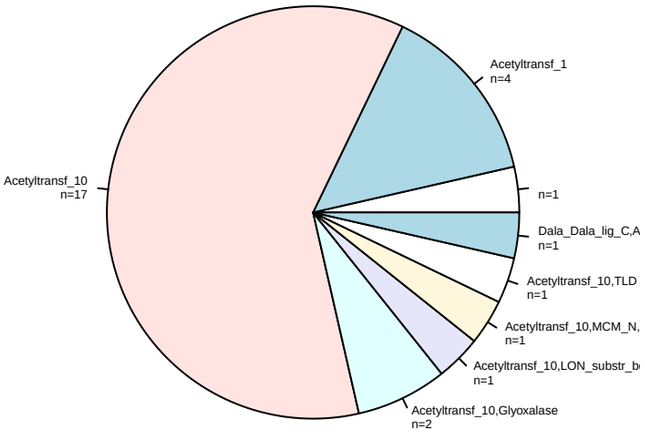


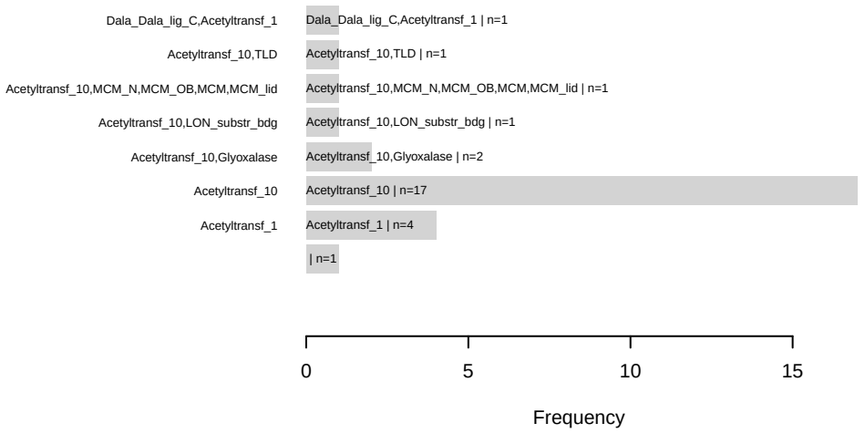
Gain: NA
Presence Eukaryota prob = 1.00
Present: 46
Losses: NA



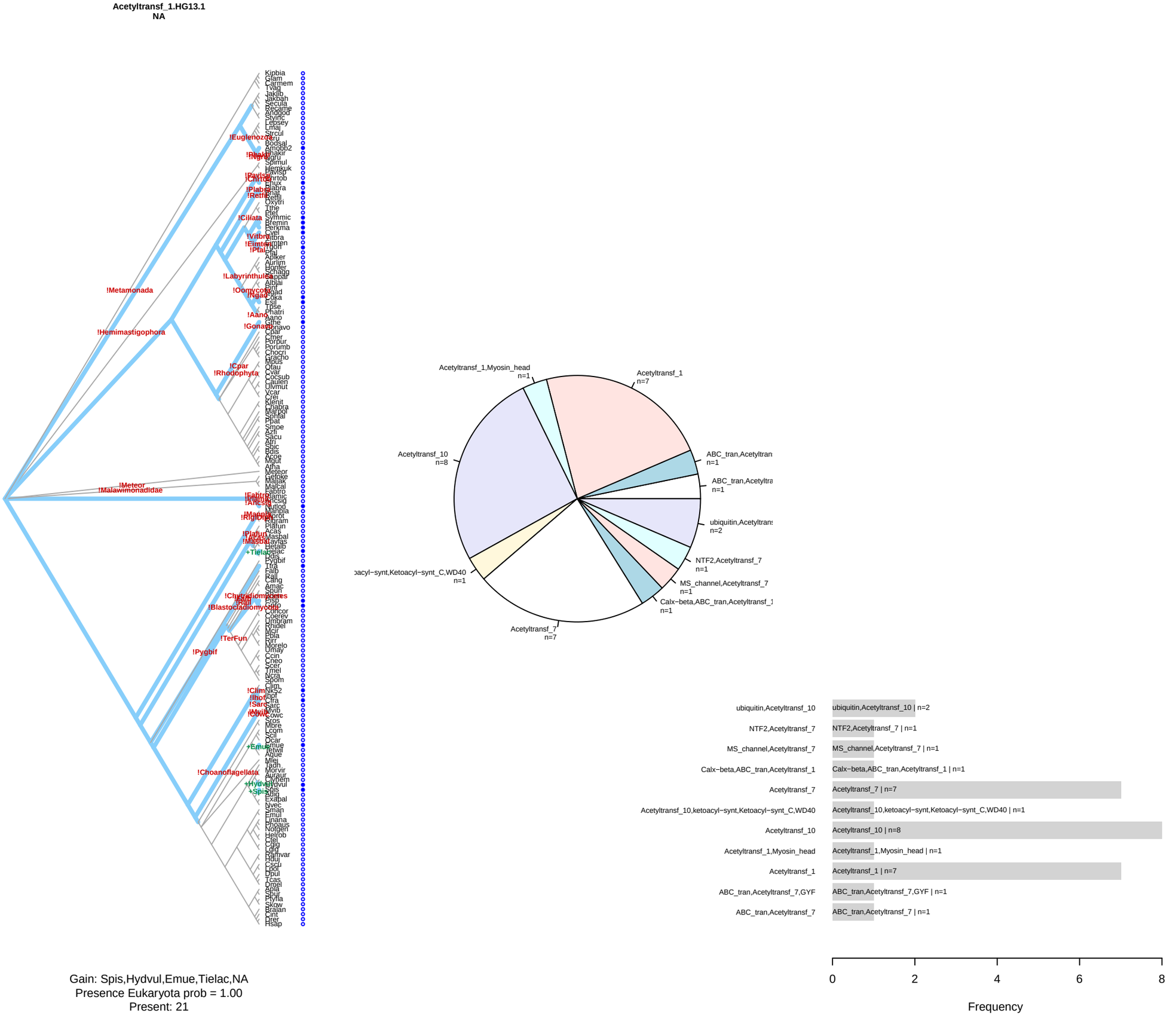




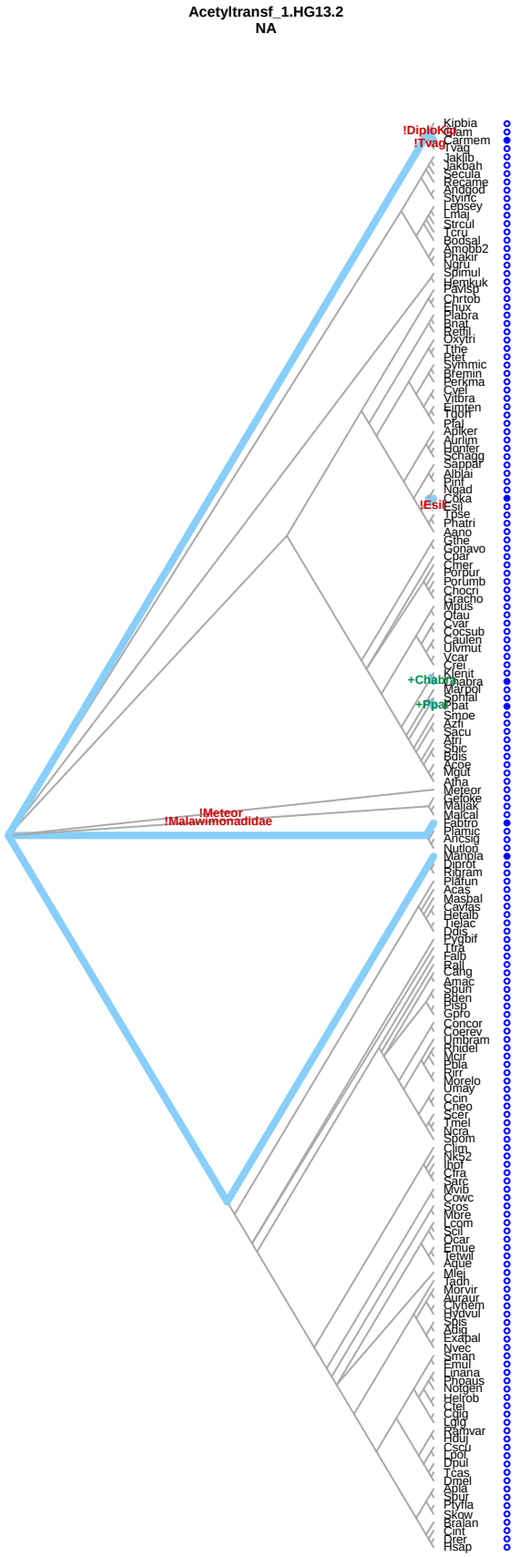




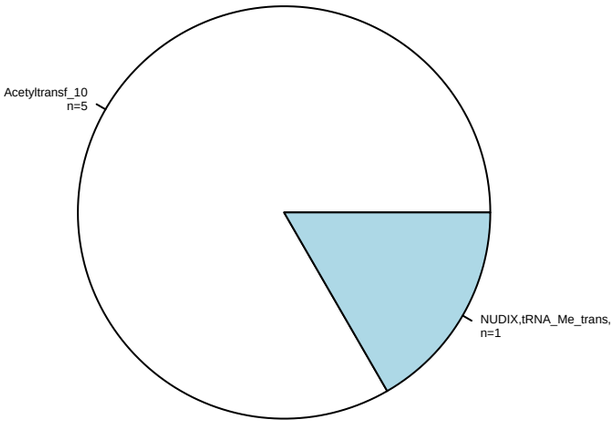
Gain: Cneo,NA
Presence Eukaryota prob = 1.00
Present: 24
Losses: NA

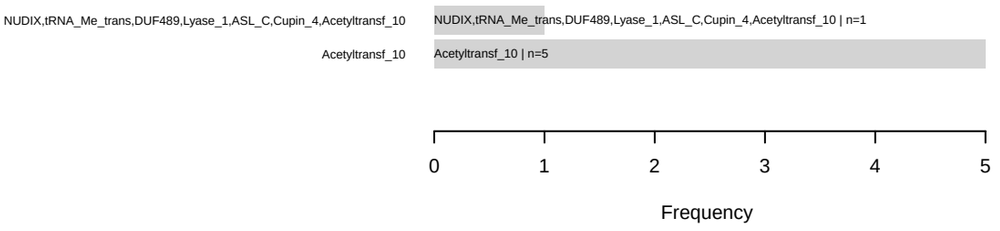


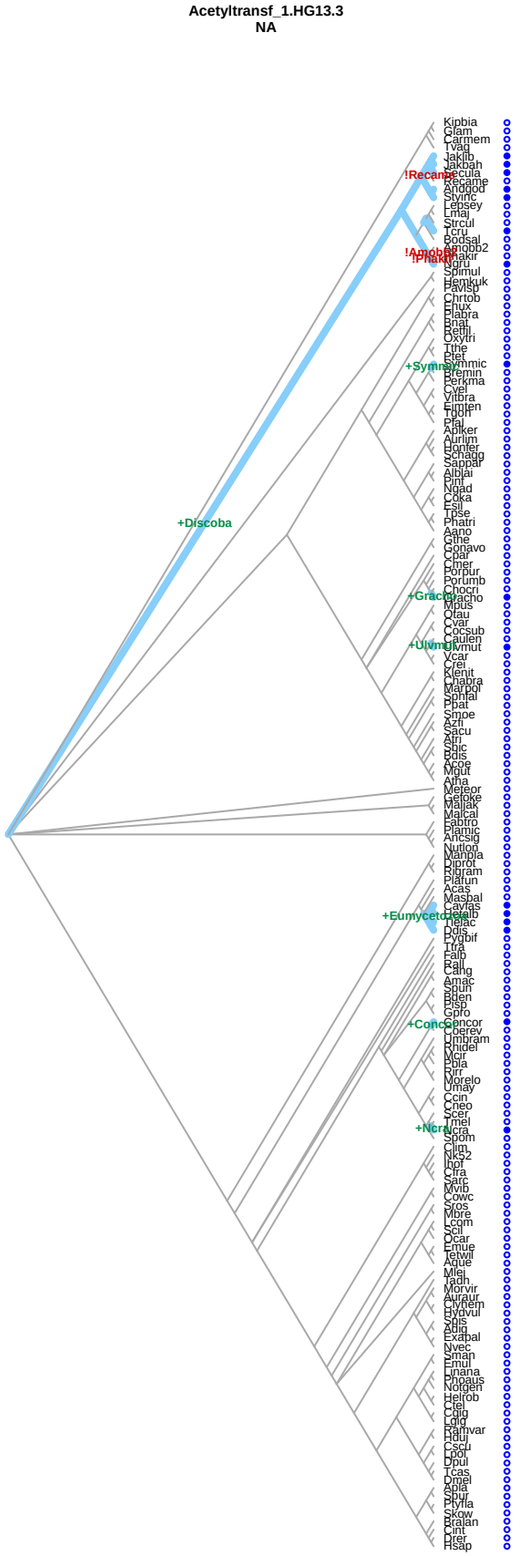
Gain: Spis,Hydvul,Emue,Tielac,NA
Presence Eukaryota prob = 1.00
Present: 21
Losses: NA

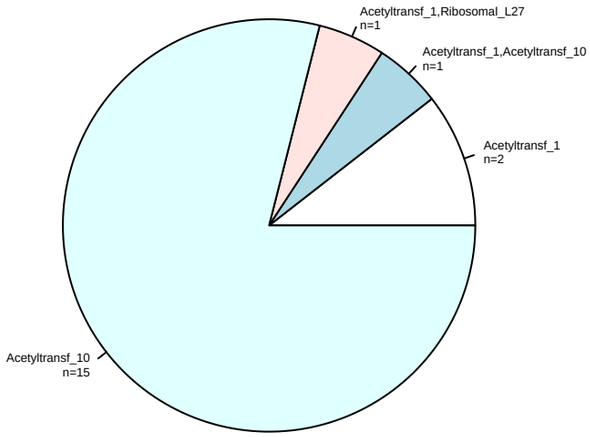


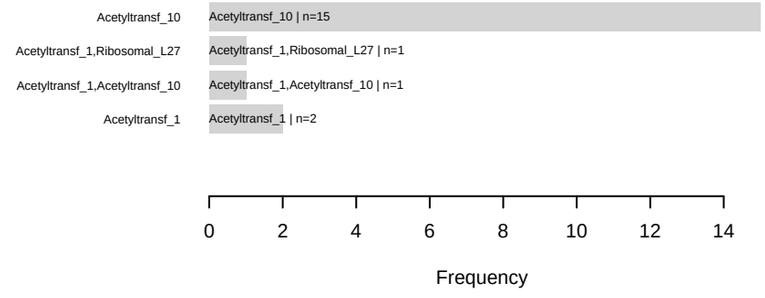
Gain: Ppat,Chabra,NA
Presence Eukaryota prob = 0.65
Present: 6
Losses: NA



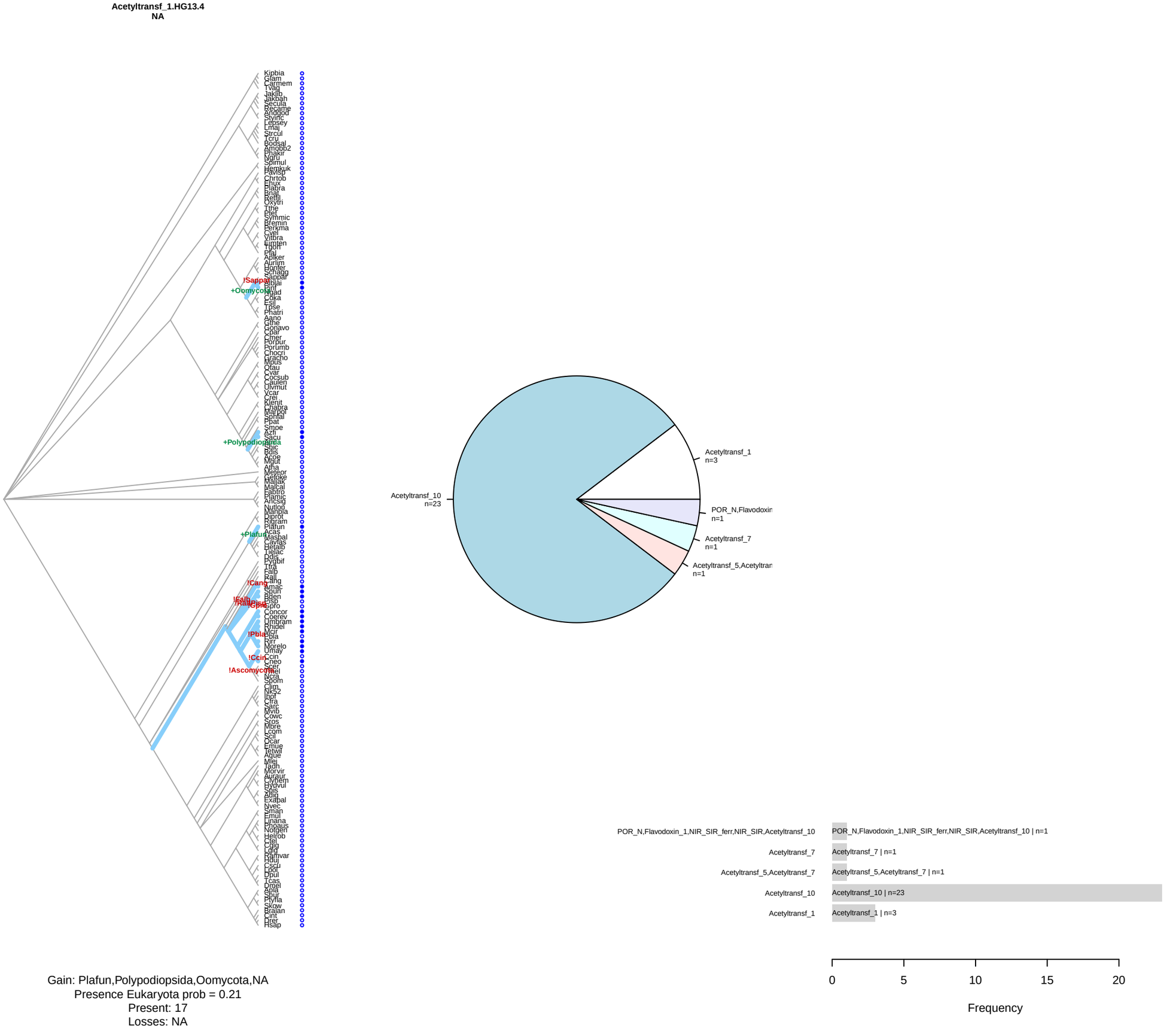




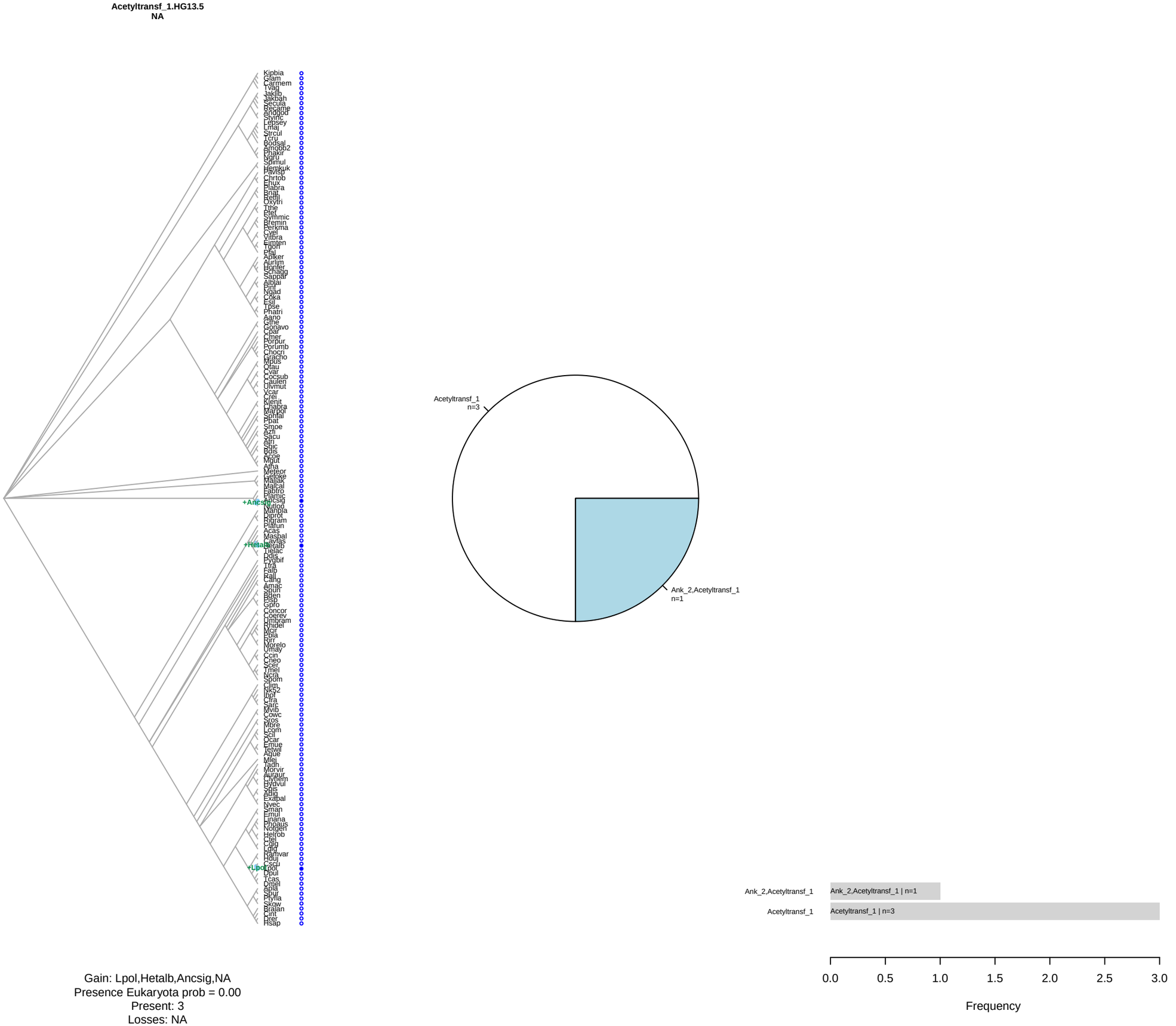




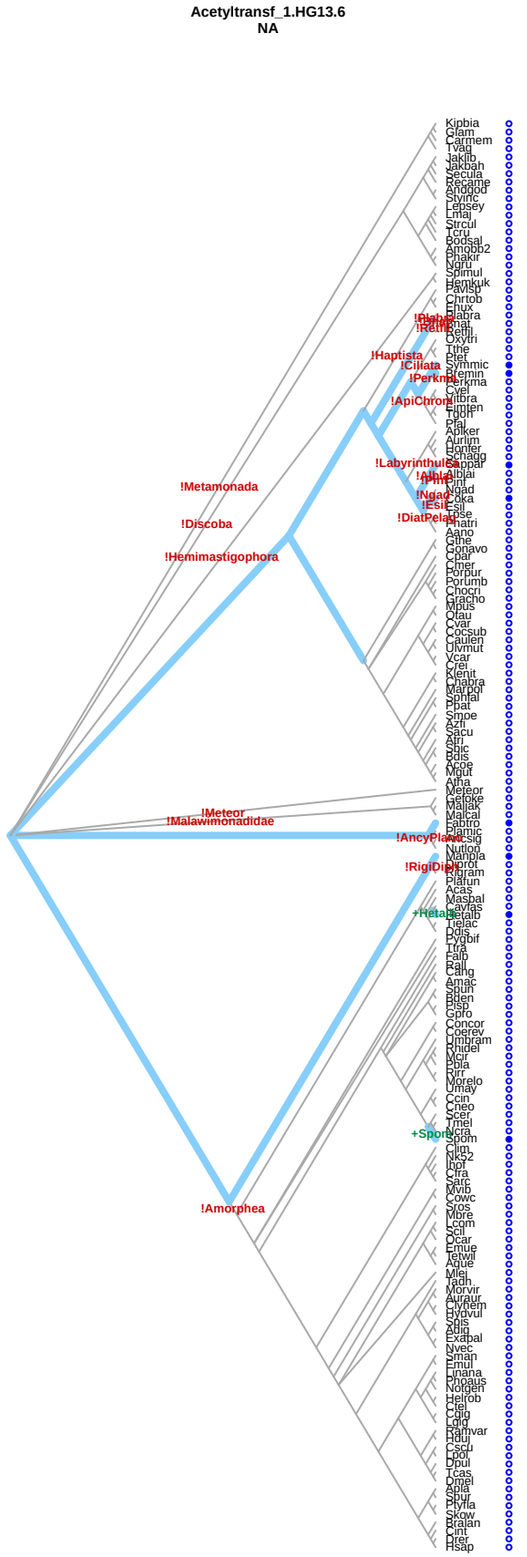
Gain: Ncra,Concor,Eumycetozoa,Ulvmut,Gracho,Symmic,Discoba,NA
Presence Eukaryota prob = 0.12
Present: 16
Losses: NA

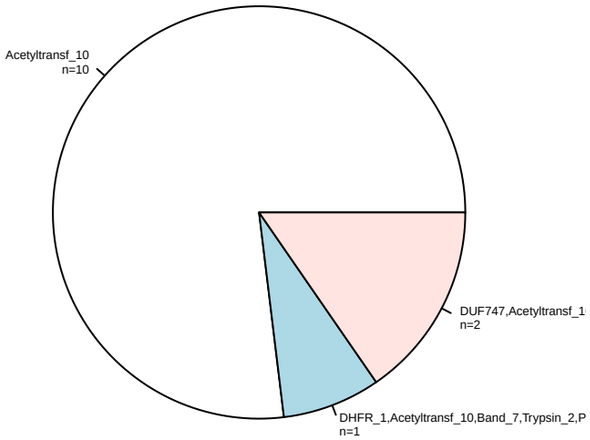


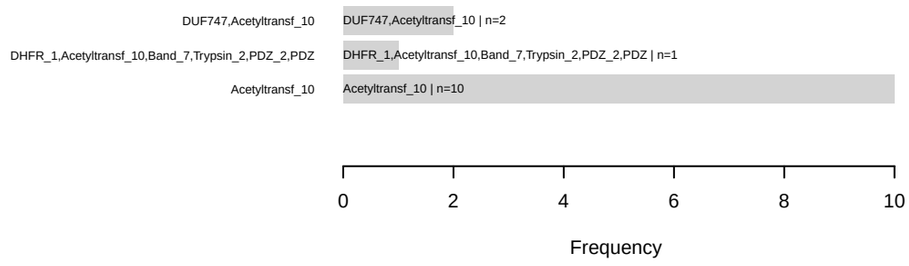
Gain: Plafun,Polypodiopsida,Oomycota,NA
Presence Eukaryota prob = 0.21
Present: 17
Losses: NA



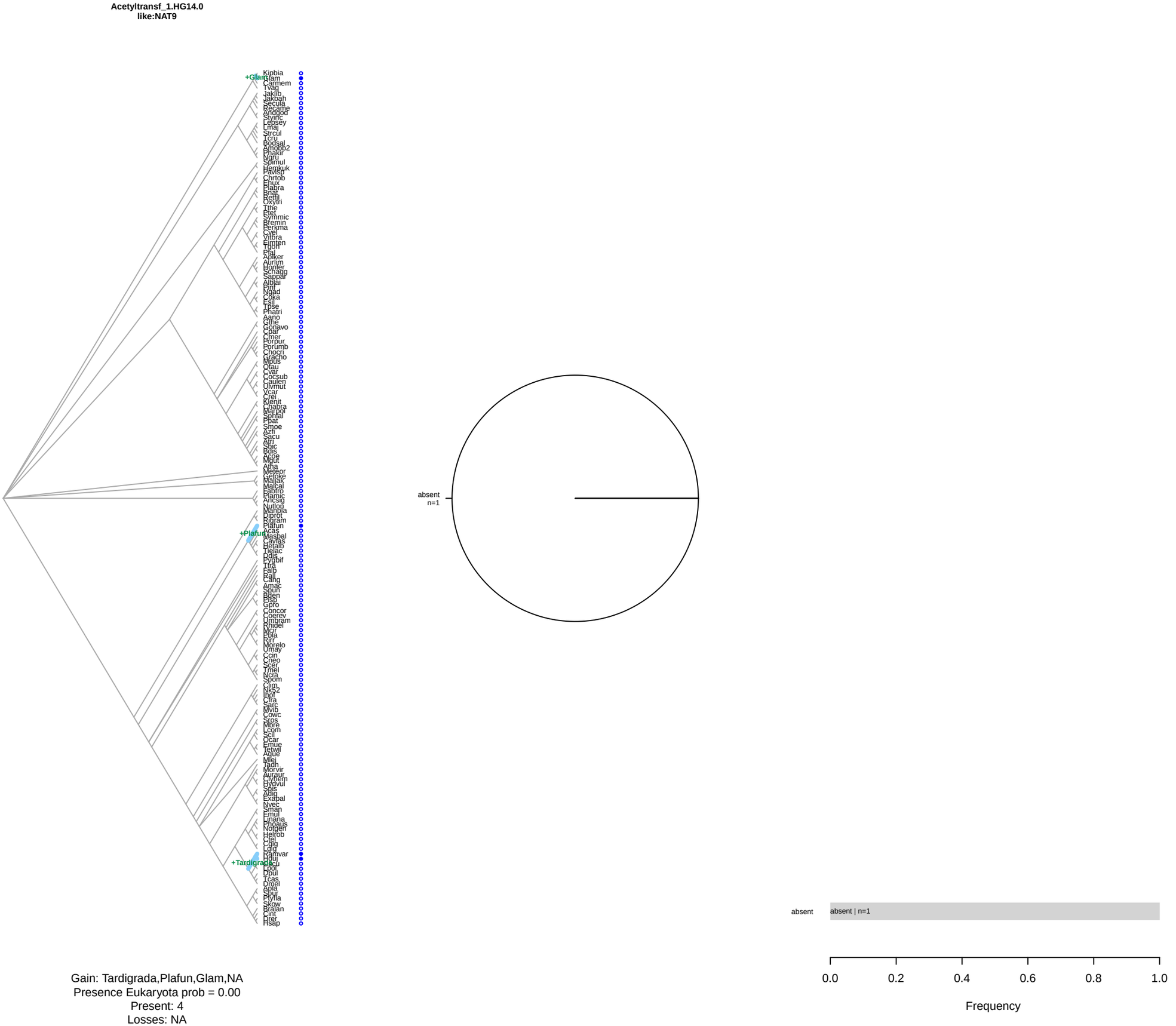
Gain: Lpol,Hetalb,Ancsig,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA



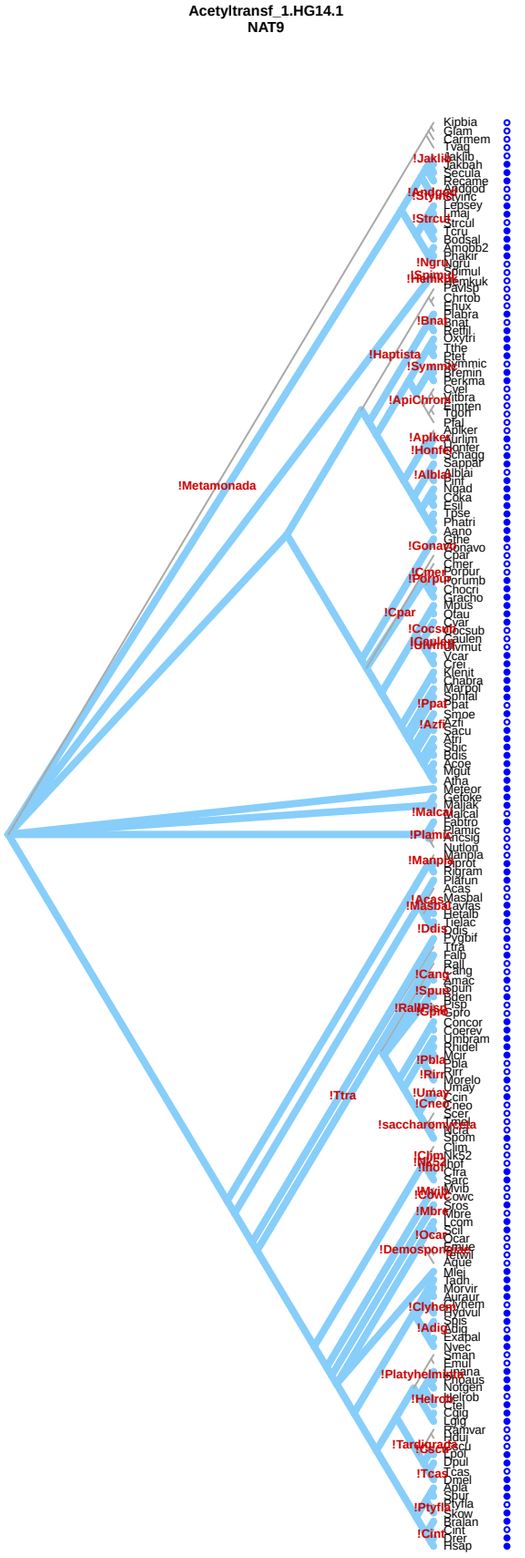


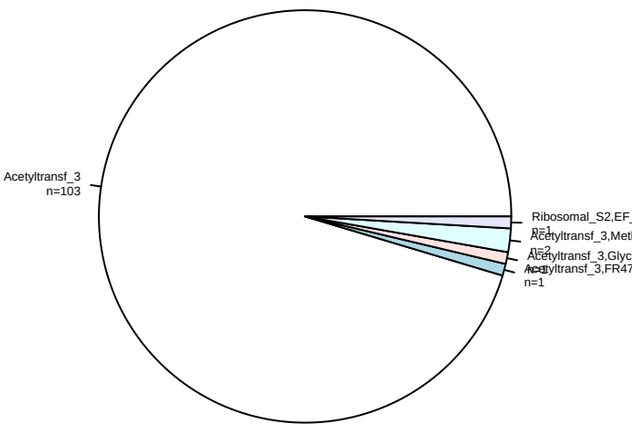


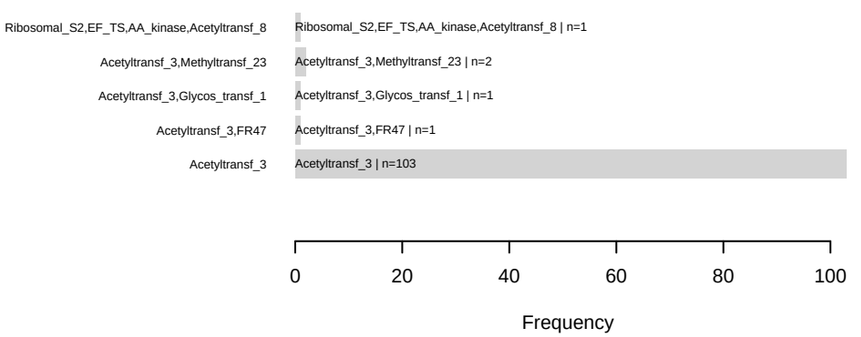
Gain: Spom,Hetalb,NA
Presence Eukaryota prob = 0.99
Present: 8
Losses: NA



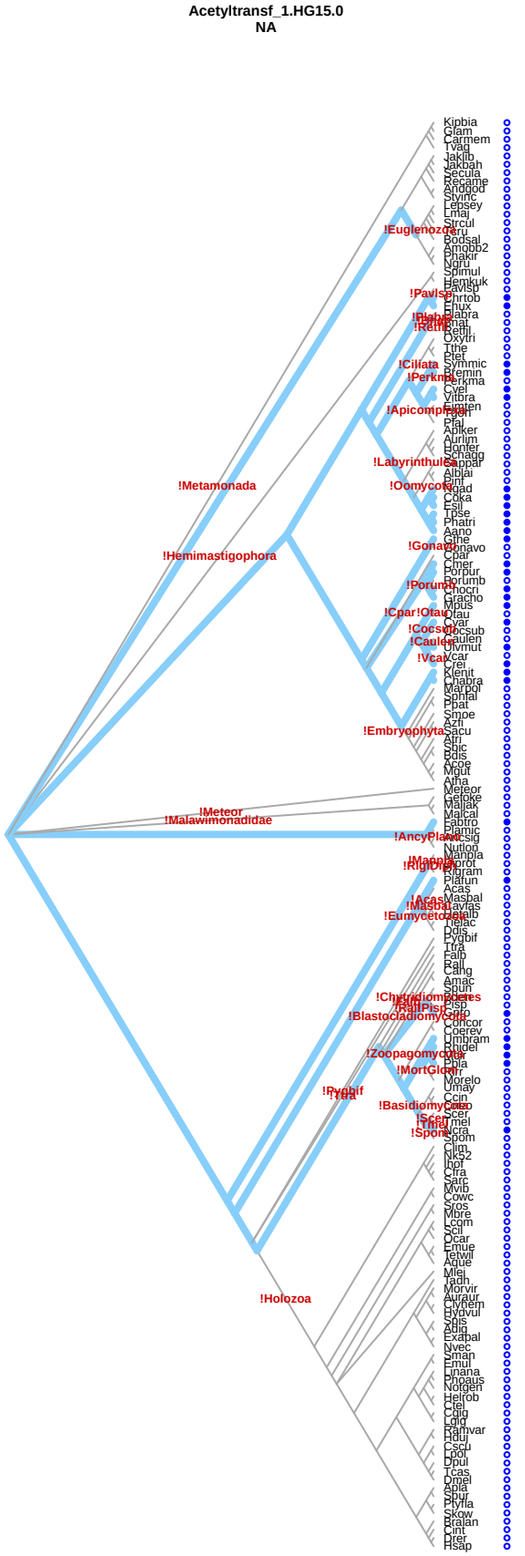
Gain: Tardigrada,Plafun,Glam,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



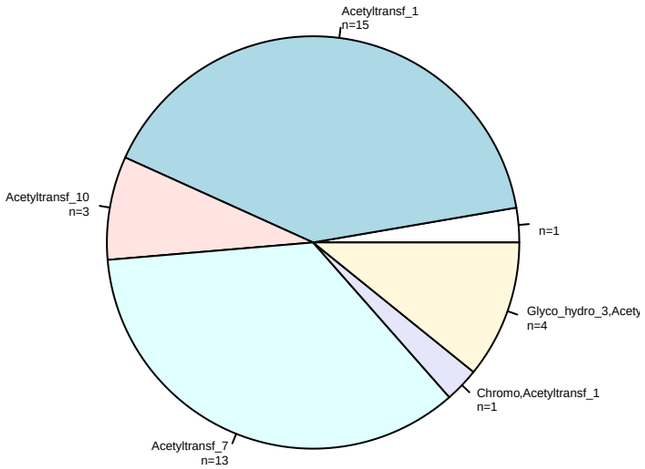


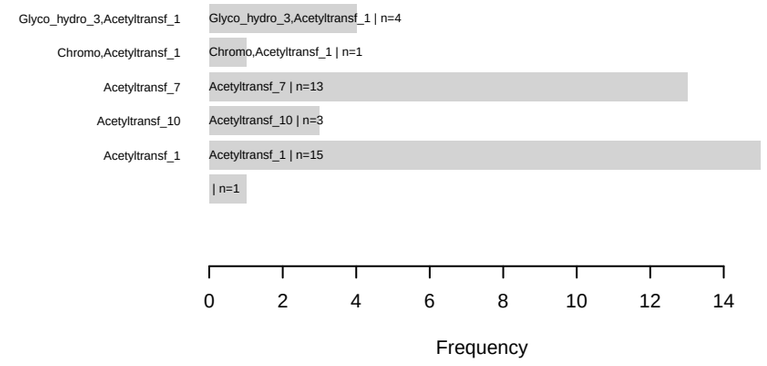


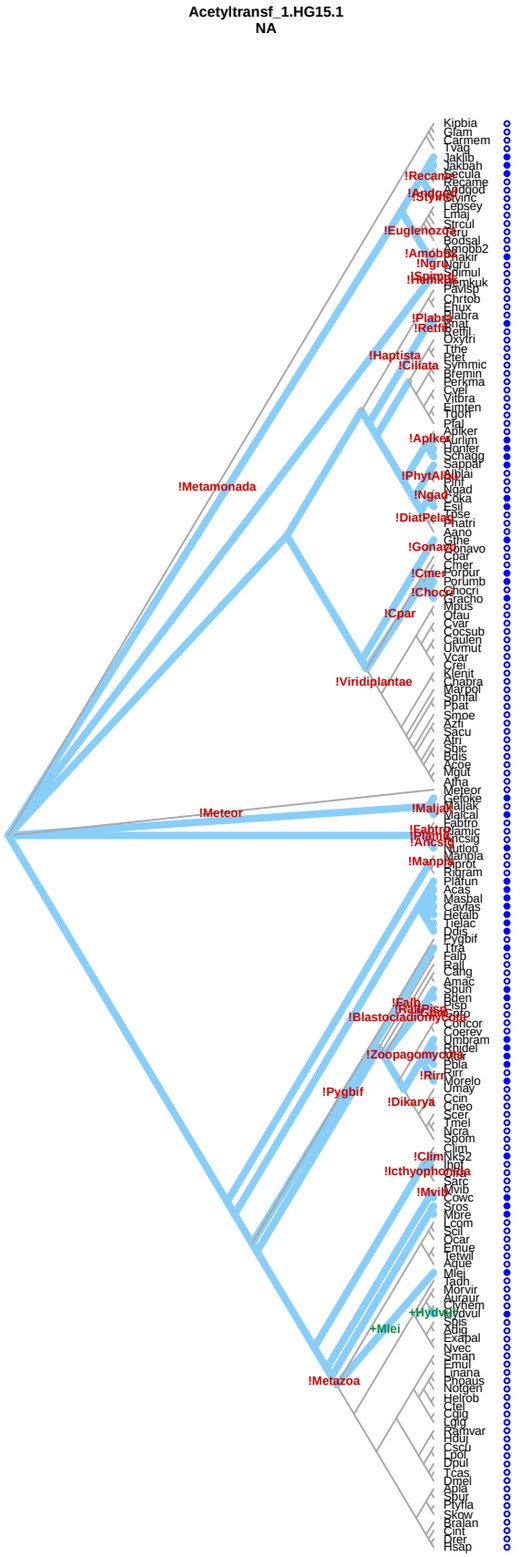
Gain: NA
Presence Eukaryota prob = 1.00
Present: 97
Losses: NA

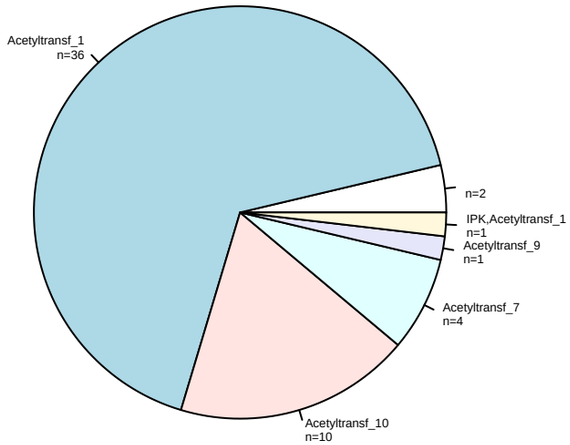


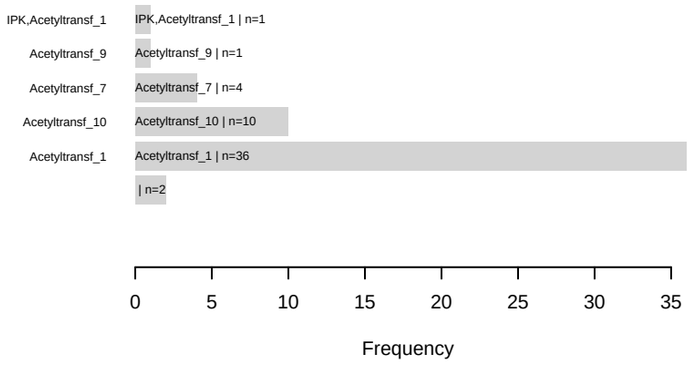
Gain: NA
Presence Eukaryota prob = 1.00
Present: 31
Losses: NA



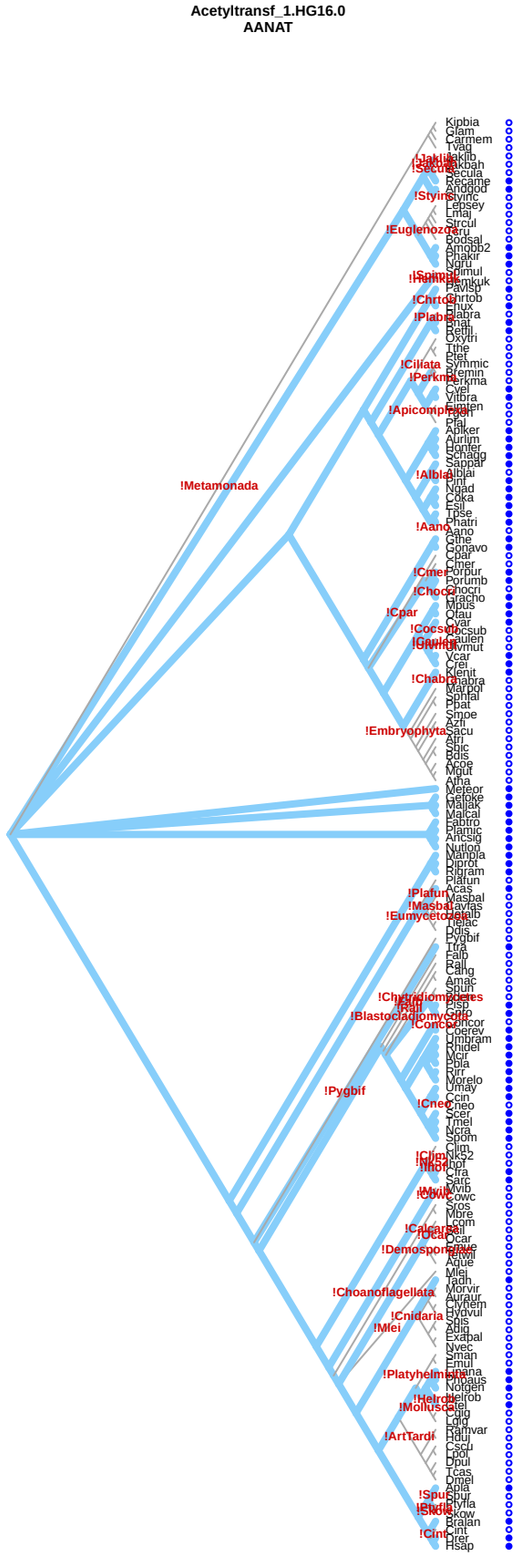


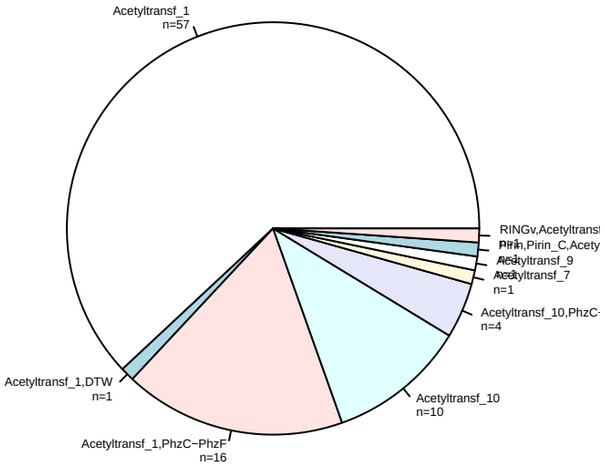


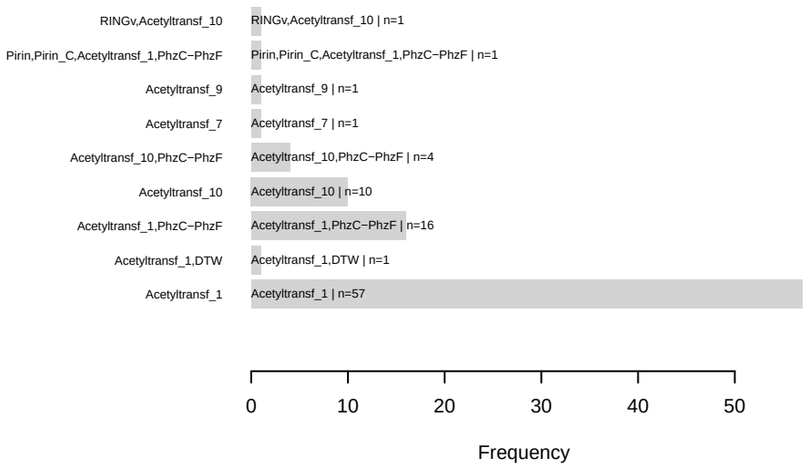




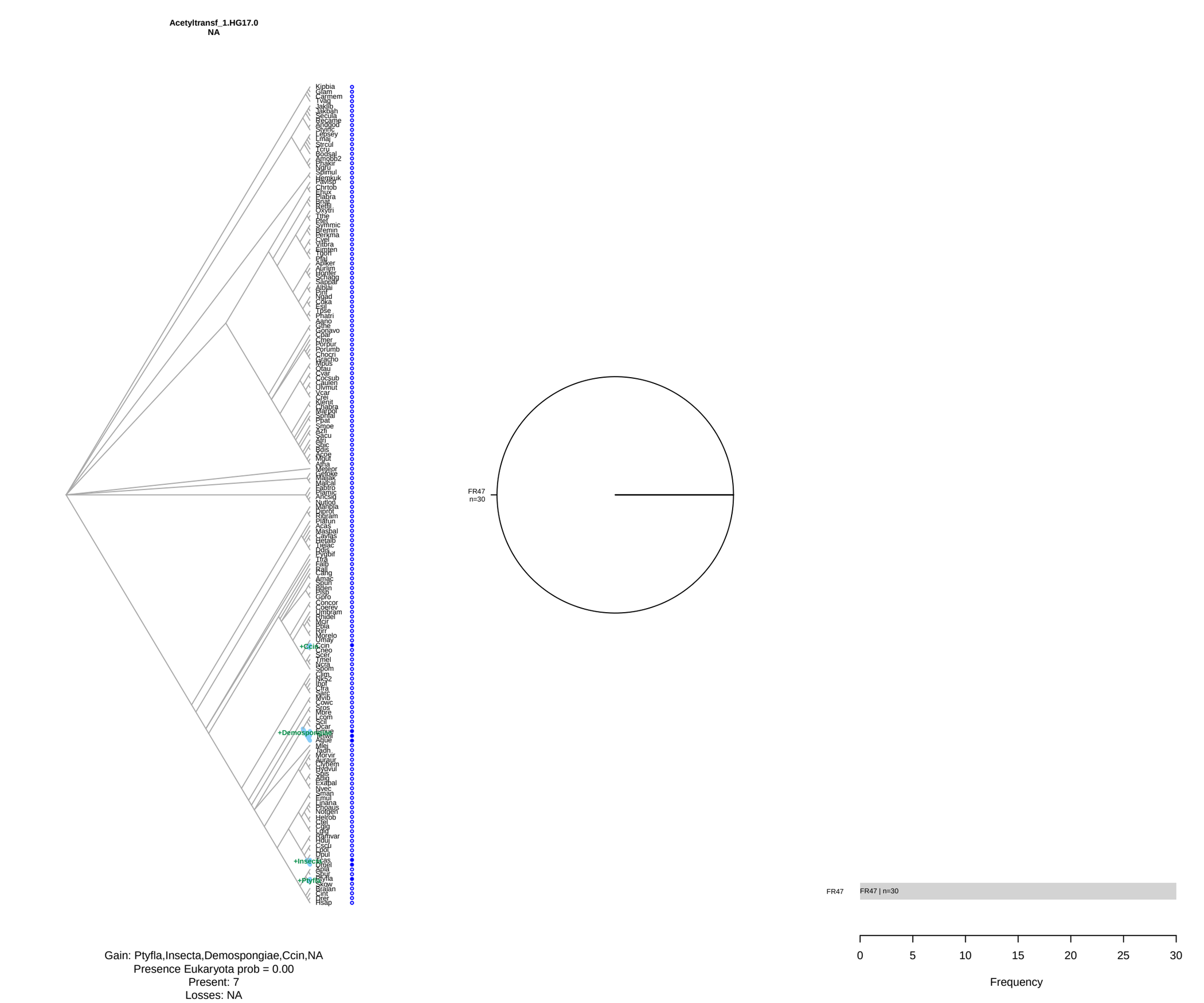
Gain: Hydvul,Mlei,NA
Presence Eukaryota prob = 1.00
Present: 39
Losses: NA

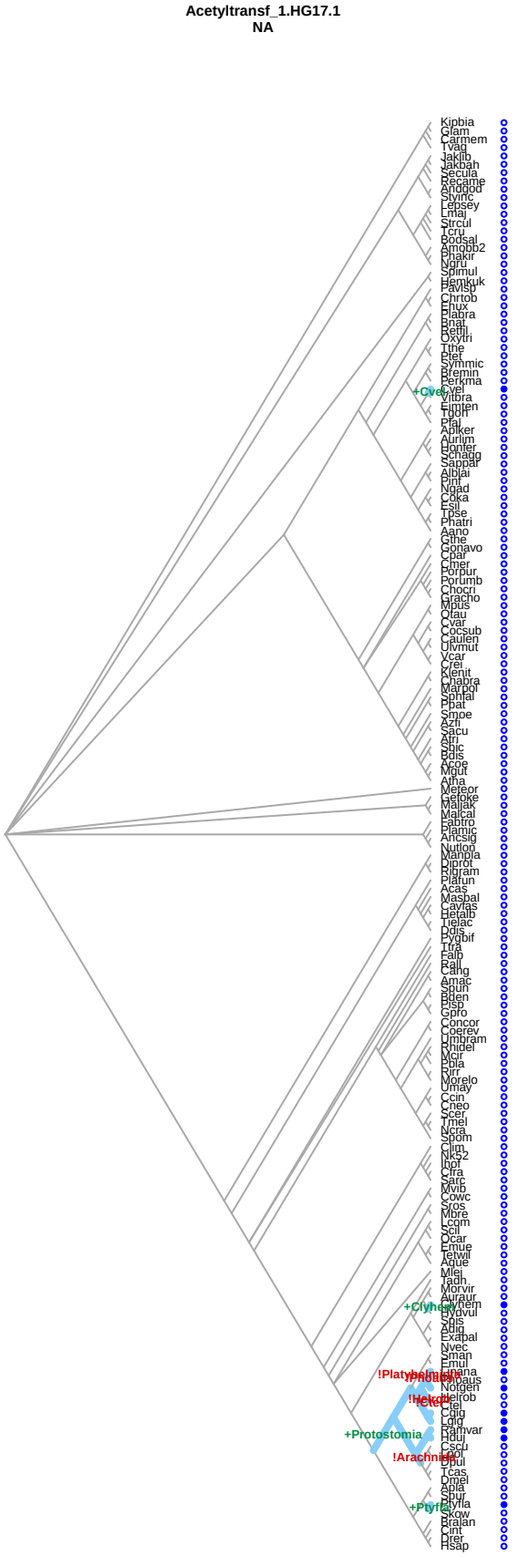


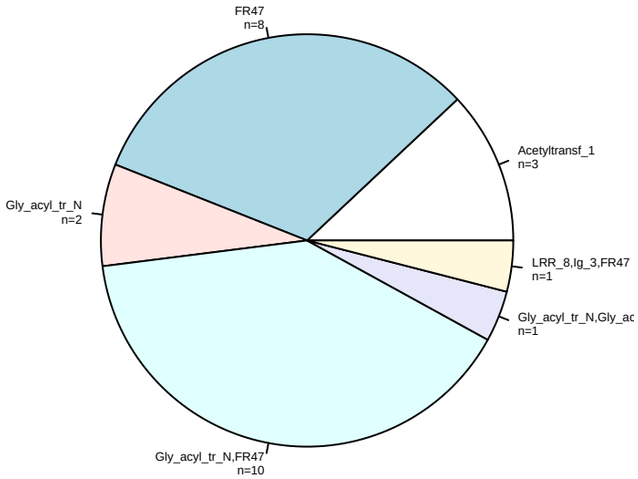


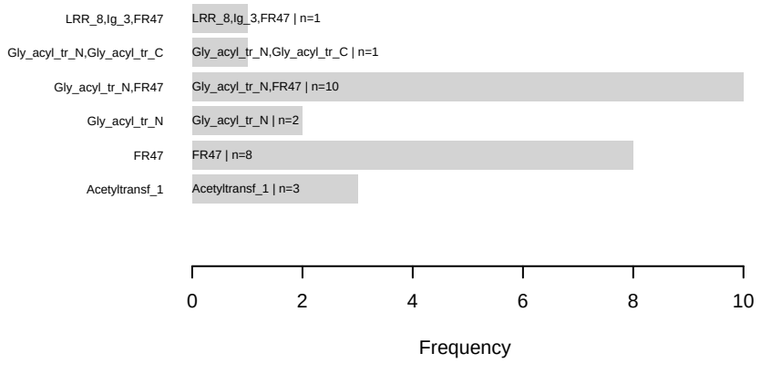


Gain: NA
Presence Eukaryota prob = 1.00
Present: 72
Losses: NA

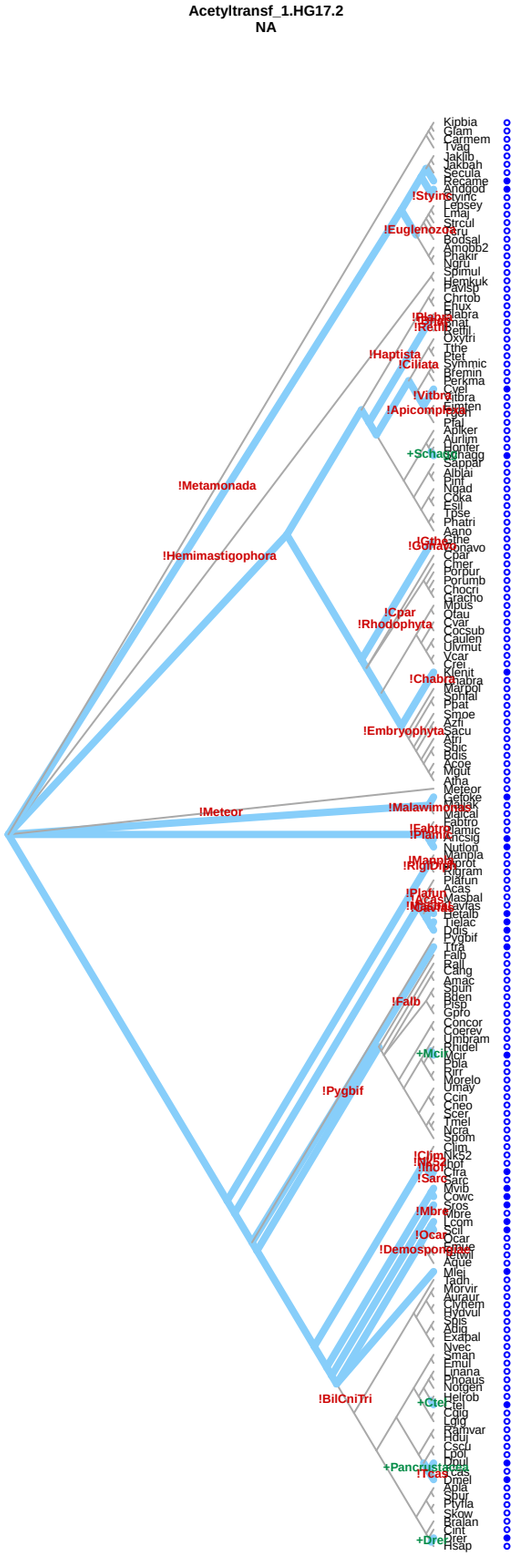

AcetyltransF_1.HG17.0
NA
Kipbia
Glam
Carmem
Tvag
Jaklib
Jakbah
Secula
Aecame
Enctjod
Styinc
Lepsey
Lmaj
Strcul
Acru
Bodsal
Amobb2
Phakir
Ngru
Spimul
Hsmkuk
Pavisp
Chrtob
Ehux
Plabra
Bnat
Rettli
Oxytri
Tthe
Ptet
Symmic
Btremin
Perkma
Cvel
Vitbra
Emiten
Tgon
Pfal
Adiker
Aurlim
Hontet
Schagg
Sappar
Atbjai
Pinf
Ngad
Coka
Esil
Tbse
Phatri
Aano
Gthe
Gonavo
Cbar
Cmer
Porbur
Porumb
Chocri
Gracho
Mpus
Otau
Cvar
Cocsub
Cauten
Ulvmut
Vcar
Crei
Klenit
Cpabra
Marpol
Sphfal
Pbat
Smoe
Azfi
Sacu
Afri
Sbic
Bdis
Acoe
Mgut
Atha
Meteor
Aetake
Maltak
Malcal
Fabiro
Plamic
Aircsig
Nutlon
Manpla
Diprot
Rtgram
Platun
Acas
Masbal
Cavtas
Hetalb
Telac
Dpis
Pygbif
Tfra
Falb
Ball
Cahg
Amac
Sbun
Biden
Psp
Gpro
Concor
Coerev
Umbram
Rhidel
Vcir
Pbla
Rirr
Morelo
Umay
+Ccin
Cneo
Scer
Tmel
Ncra
Spom
Clin
Kl52
Ihof
Cfra
Sarc
Mvib
Cowc
Sros
Mbre
Lcom
Scil
Ocar
Cowl
Adue
Mlei
Tadh
Morvir
Aurpur
Ctyrhem
Hydvul
Spis
Xdig
Exabal
Nvec
Sman
Emul
Tnana
Phoaus
Notgen
Helrob
Ctel
Calb
Cdia
Rahvar
Hdiu
Cscu
Lpol
Dpul
+Insecta
Tcas
Dmel
Apla
Sbur
+Ptyfla
Ptyfla
Skow
Bralan
Cint
Drer
Hsap
+Demospongiae
FR47
n=30
FR47
FR47 | n=30
0
5
10
15
20
25
30
Frequency
Gain: Ptyfla,Insecta,Demospongiae,Ccin,NA
Presence Eukaryota prob = 0.00
Present: 7
Losses: NA

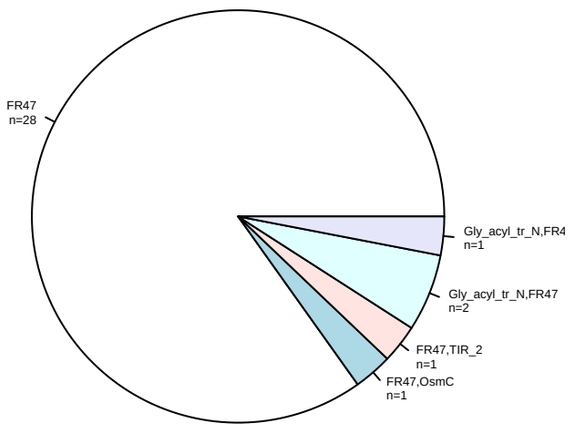


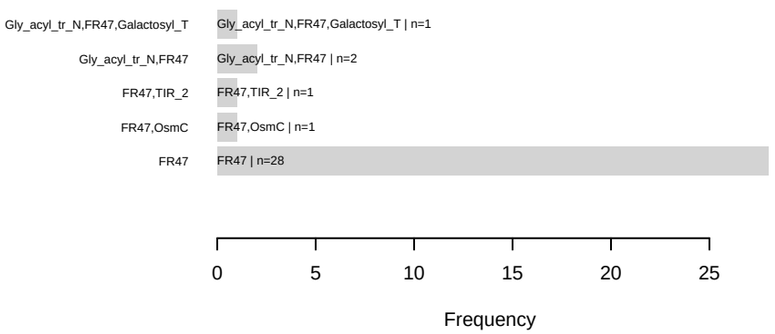




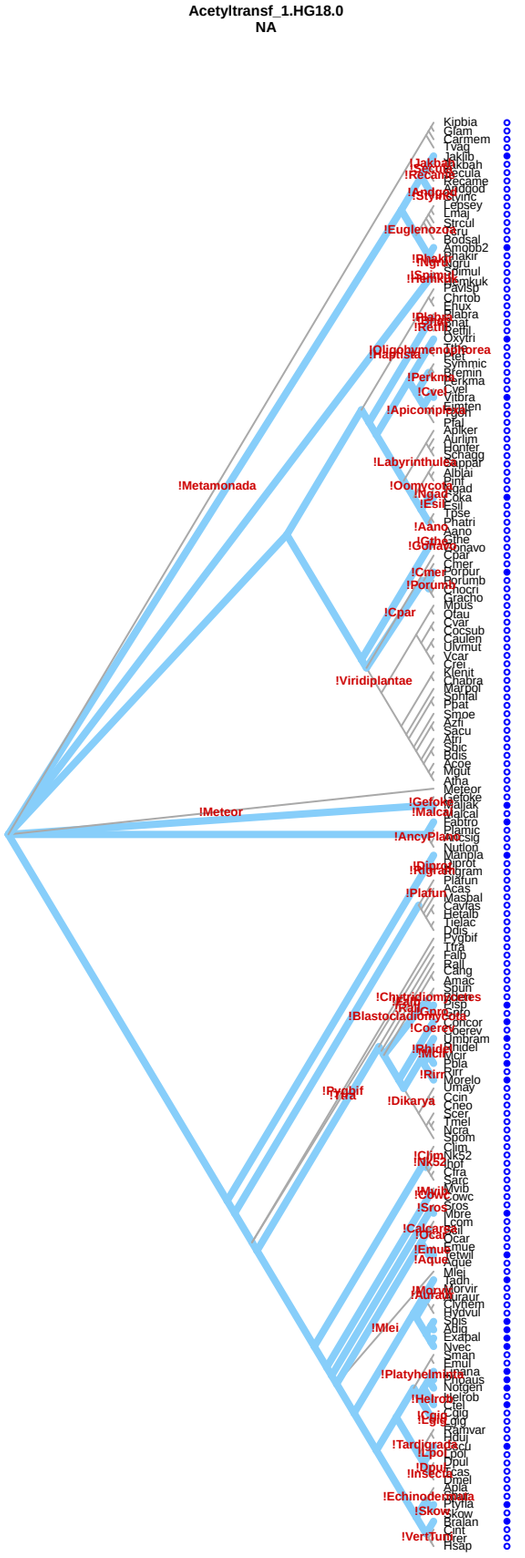
Gain: Ptyfla,Protostomia,Clyhem,Cvel,NA
Presence Eukaryota prob = 0.00
Present: 9
Losses: NA

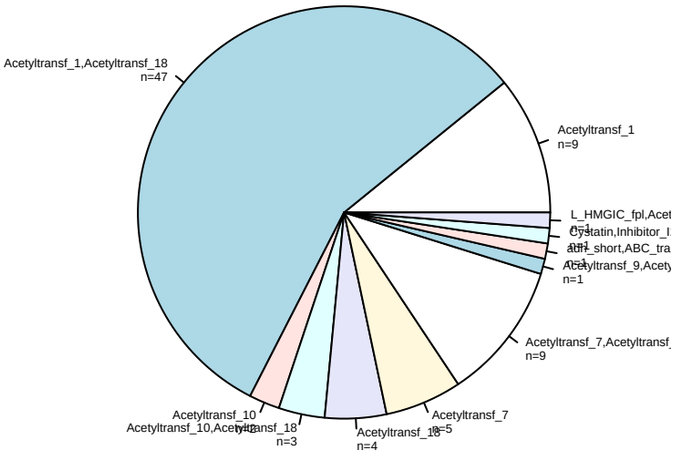


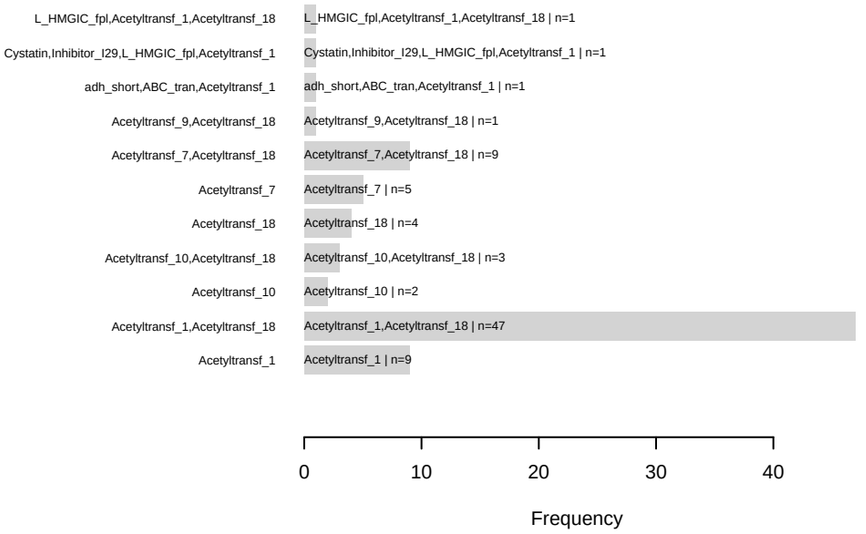




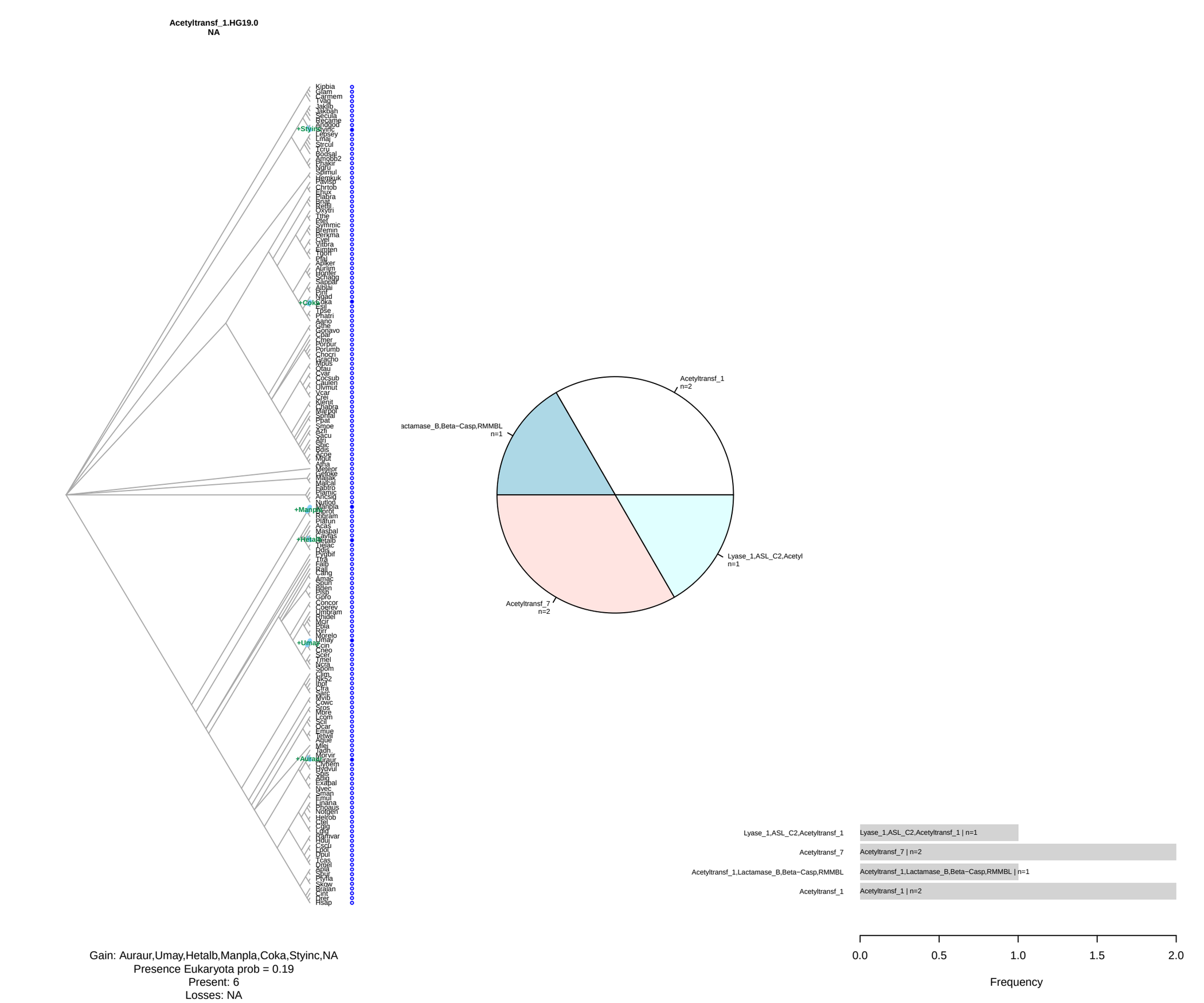
Gain: Drer,Pancrustacea,Ctel,Mcir,Schagg,NA
Presence Eukaryota prob = 1.00
Present: 24
Losses: NA



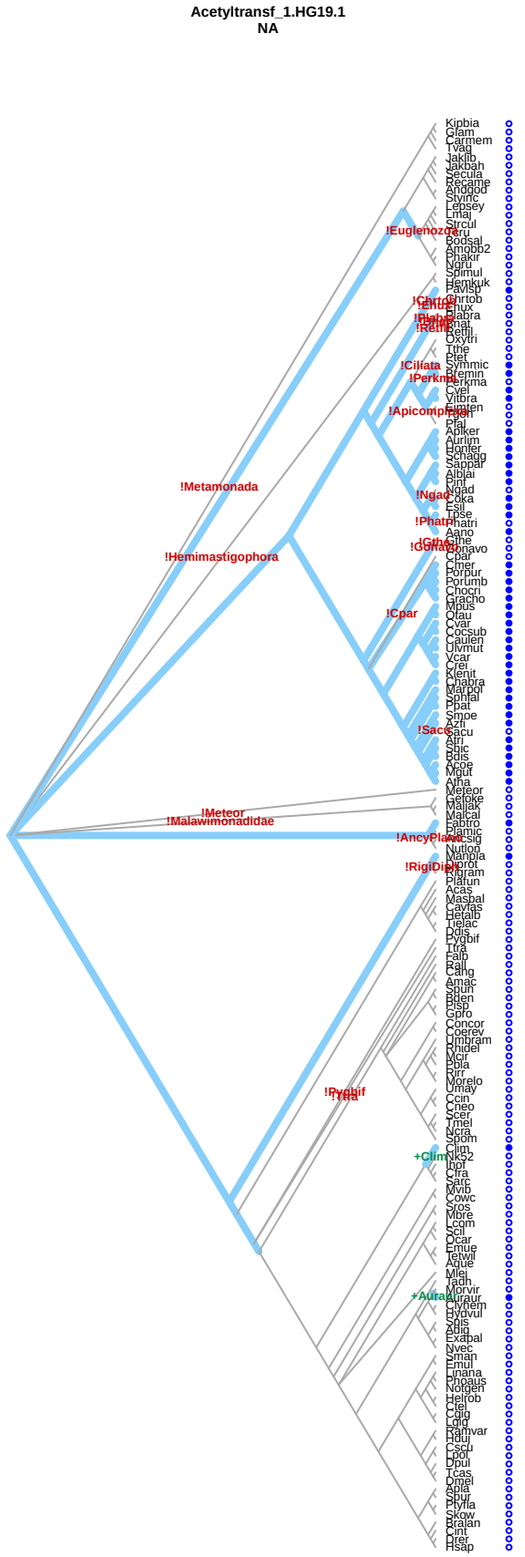


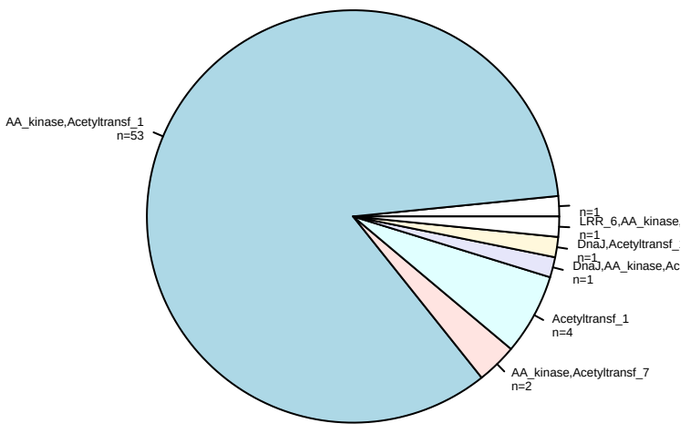


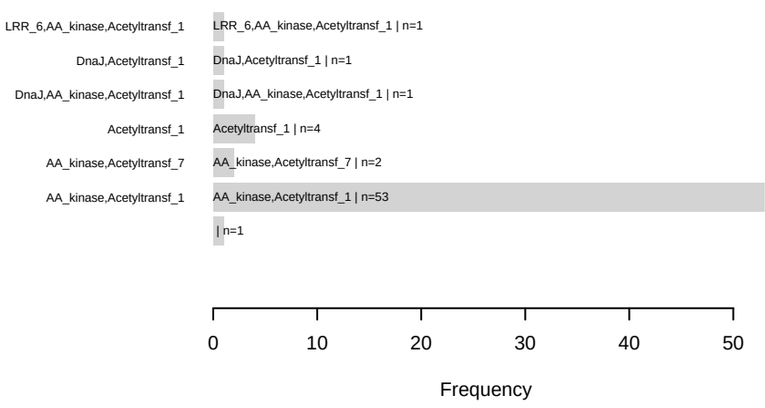
Gain: NA
Presence Eukaryota prob = 1.00
Present: 28
Losses: NA



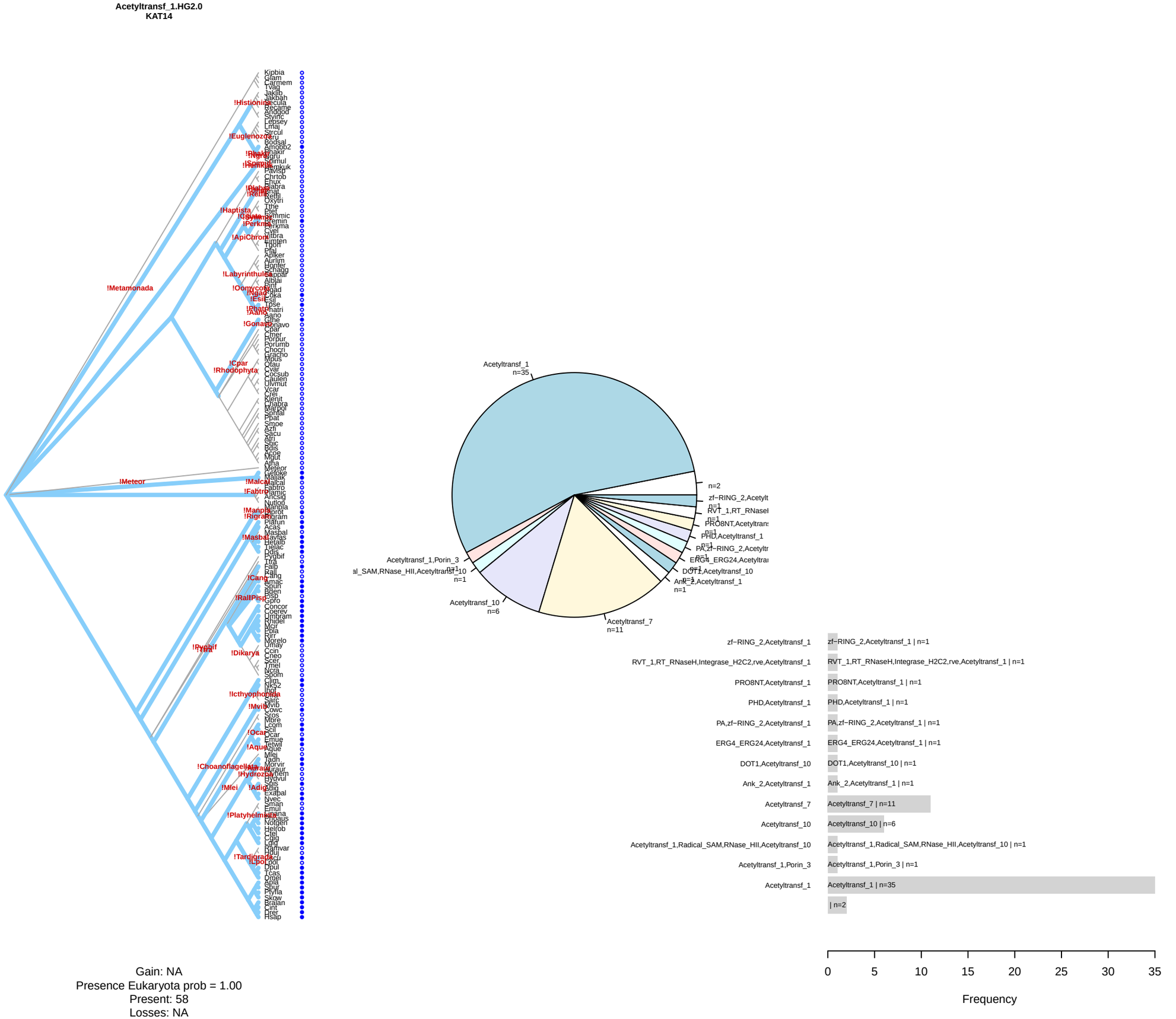
Gain: Auraur,Umay,Hetalb,Manpla,Coka,Styinc,NA
Presence Eukaryota prob = 0.19
Present: 6
Losses: NA

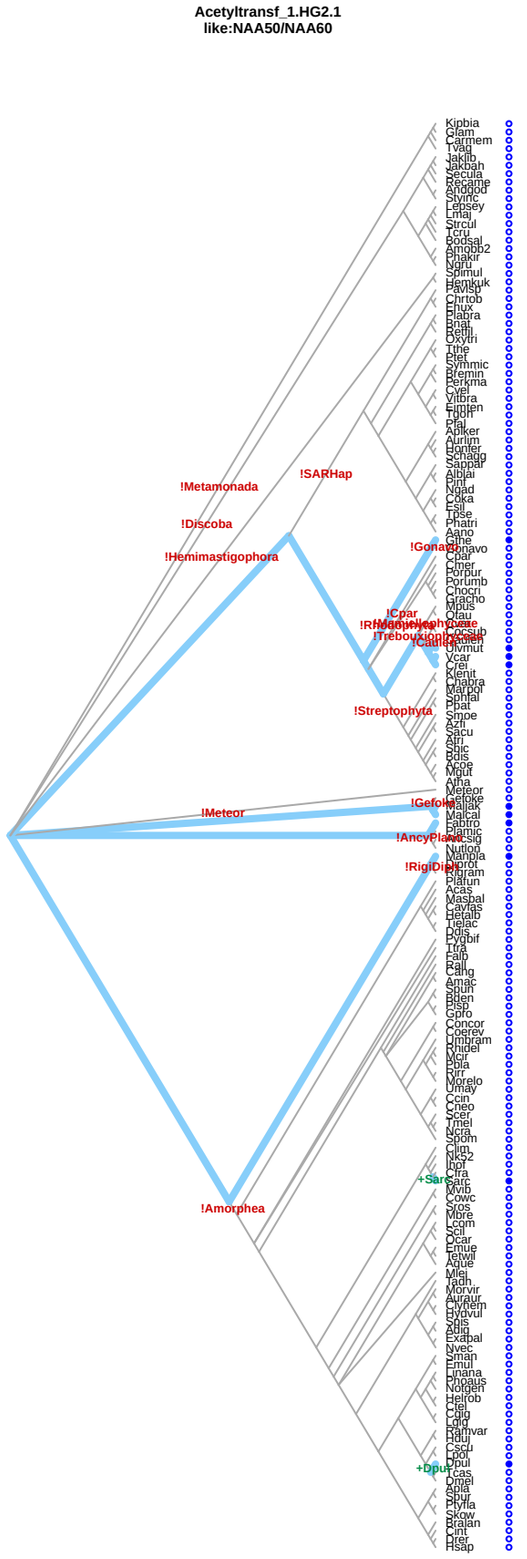


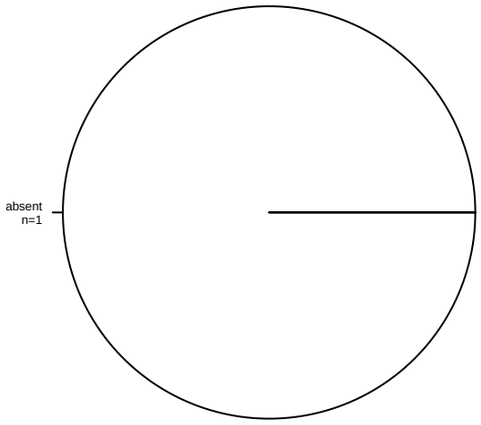


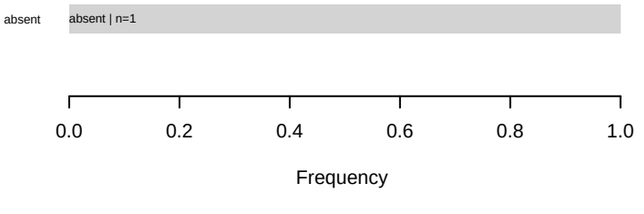


Gain: Auraur,Clim,NA
Presence Eukaryota prob = 0.99
Present: 46
Losses: NA

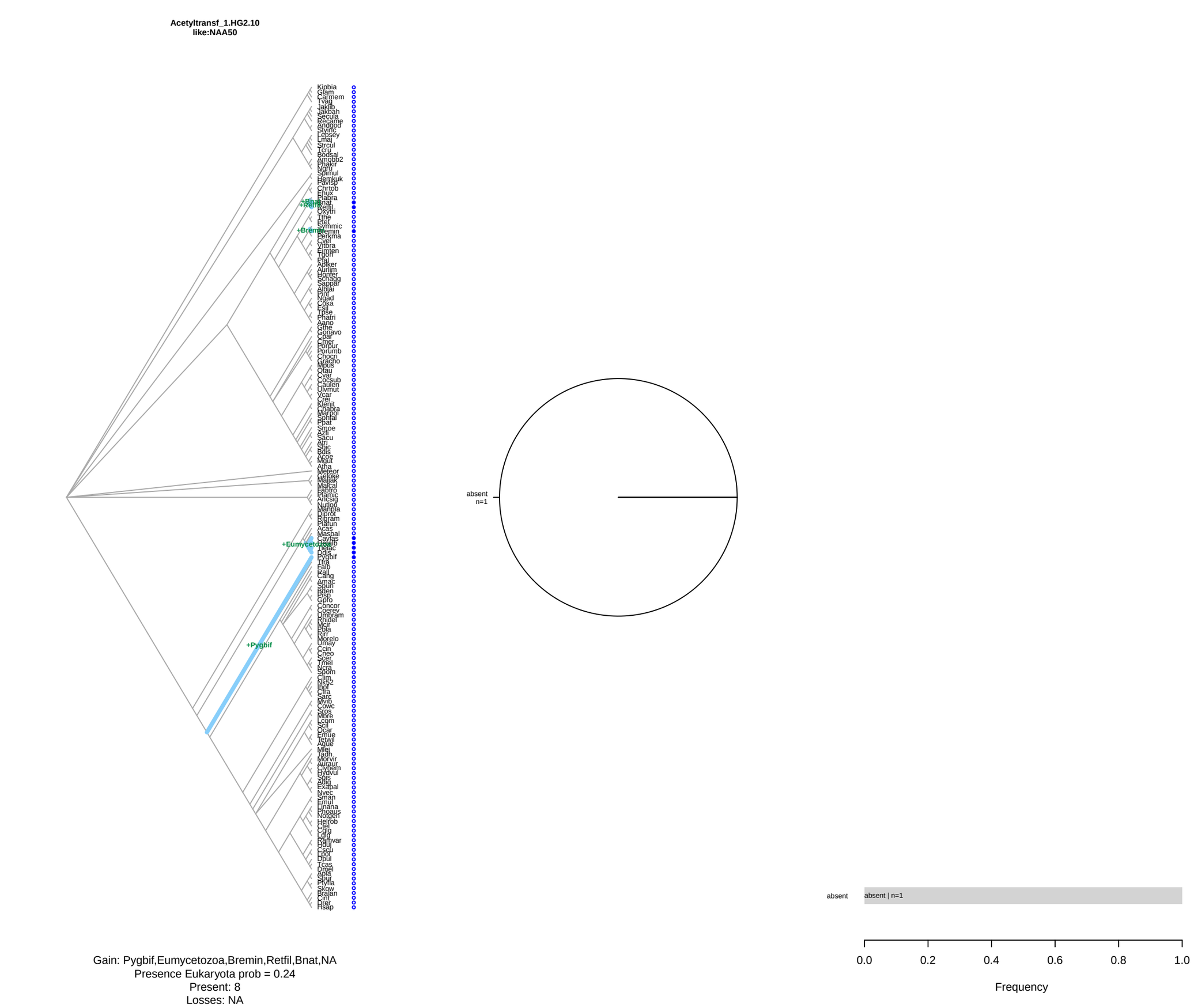

Acetyltransf_1.HG2.0
KAT14
!Histionina
!Euglenozoa
!Haptista
!Perkins
!ApiChrom
!Labyrinthula
!Metamonada
!Oomycota
!Cpar
!Rhodophyta
!Gonyau
!Meteor
!Malca
!Fabtro
!Manpla
!Rigram
!Masbal
!Canc
!RalPisc
!Dikarya
!Icthyophonida
!Mvil
!Ocar
!Aque
!Choanoflagellata
!Hydrozoa
!Mlei
!Adig
!Platyhelminth
!Tardigrada
Acetyltransf_1
n=35
n=2
zf−RING_2,Acetylt
n=1
RVT_1,RT_RNaseH
n=1
PRO8NT,Acetyltrans
n=1
PHD,Acetyltransf_1
n=1
PA,zf−RING_2,Acetyltr
n=1
ERG4_ERG24,Acetyltra
n=1
DOT1,Acetyltransf_10
n=1
Ank_2,Acetyltransf_1
n=1
Acetyltransf_7
n=11
Acetyltransf_10
n=6
al_SAM,RNase_HII,Acetyltransf_10
n=1
Acetyltransf_1,Porin_3
n=1
zf−RING_2,Acetyltransf_1
zf−RING_2,Acetyltransf_1 | n=1
RVT_1,RT_RNaseH,Integrase_H2C2,rve,Acetyltransf_1
RVT_1,RT_RNaseH,Integrase_H2C2,rve,Acetyltransf_1 | n=1
PRO8NT,Acetyltransf_1
PRO8NT,Acetyltransf_1 | n=1
PHD,Acetyltransf_1
PHD,Acetyltransf_1 | n=1
PA,zf−RING_2,Acetyltransf_1
PA,zf−RING_2,Acetyltransf_1 | n=1
ERG4_ERG24,Acetyltransf_1
ERG4_ERG24,Acetyltransf_1 | n=1
DOT1,Acetyltransf_10
DOT1,Acetyltransf_10 | n=1
Ank_2,Acetyltransf_1
Ank_2,Acetyltransf_1 | n=1
Acetyltransf_7
Acetyltransf_7 | n=11
Acetyltransf_10
Acetyltransf_10 | n=6
Acetyltransf_1,Radical_SAM,RNase_HII,Acetyltransf_10
Acetyltransf_1,Radical_SAM,RNase_HII,Acetyltransf_10 | n=1
Acetyltransf_1,Porin_3
Acetyltransf_1,Porin_3 | n=1
Acetyltransf_1
Acetyltransf_1 | n=35
| n=2
0
5
10
15
20
25
30
35
Frequency
Gain: NA
Presence Eukaryota prob = 1.00
Present: 58
Losses: NA



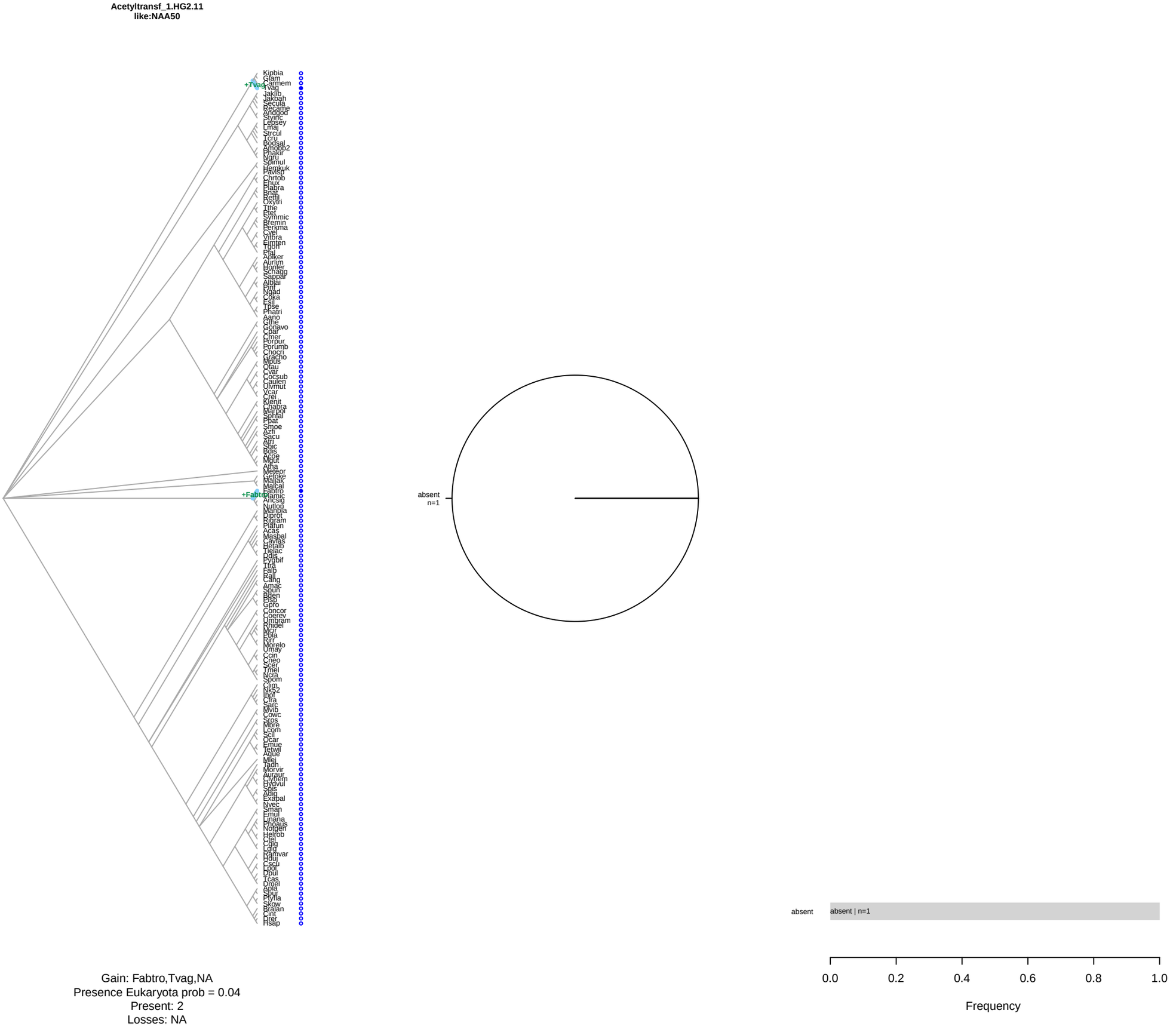




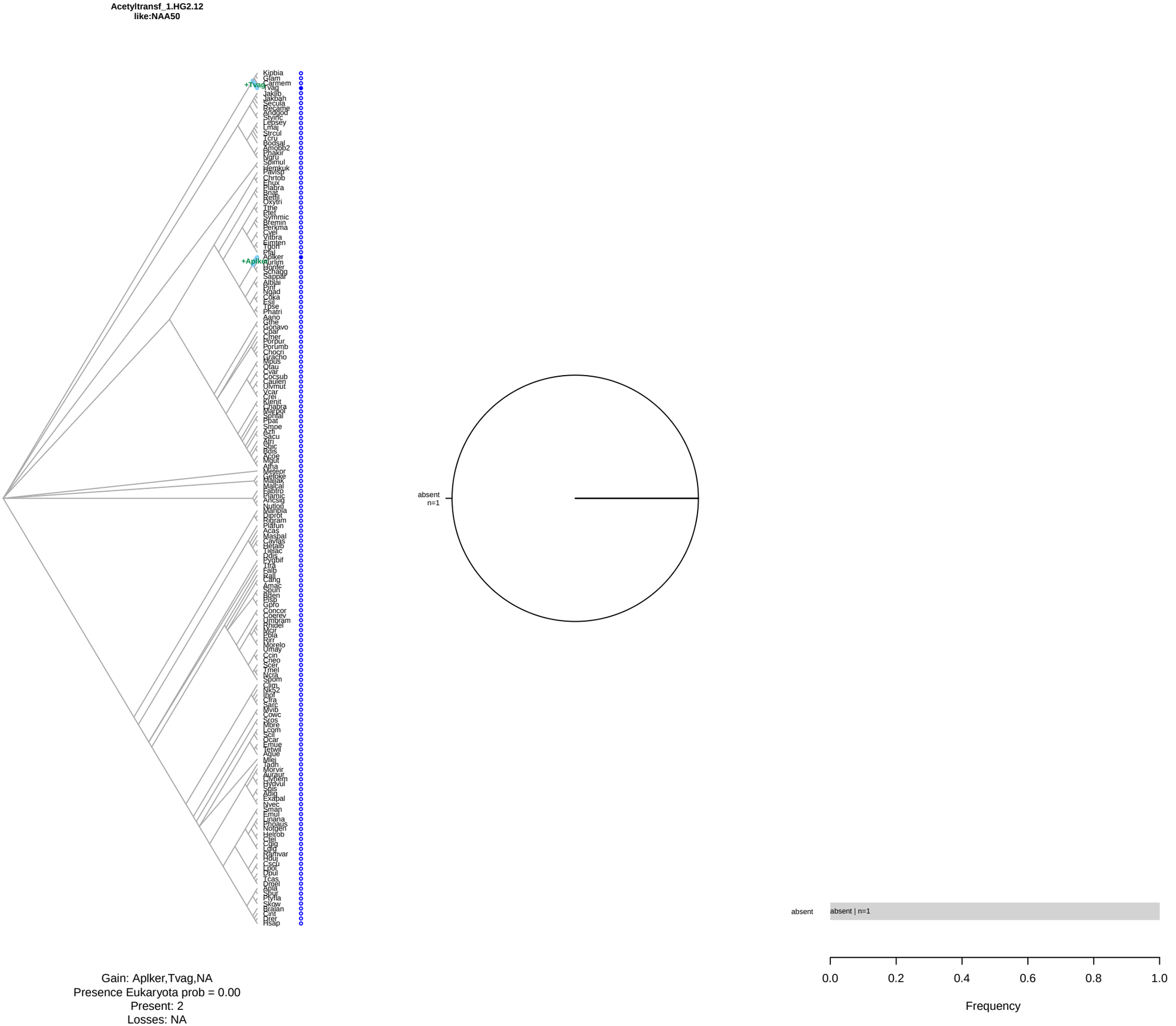
Gain: Dpul,Sarc,NA
Presence Eukaryota prob = 0.99
Present: 10
Losses: NA



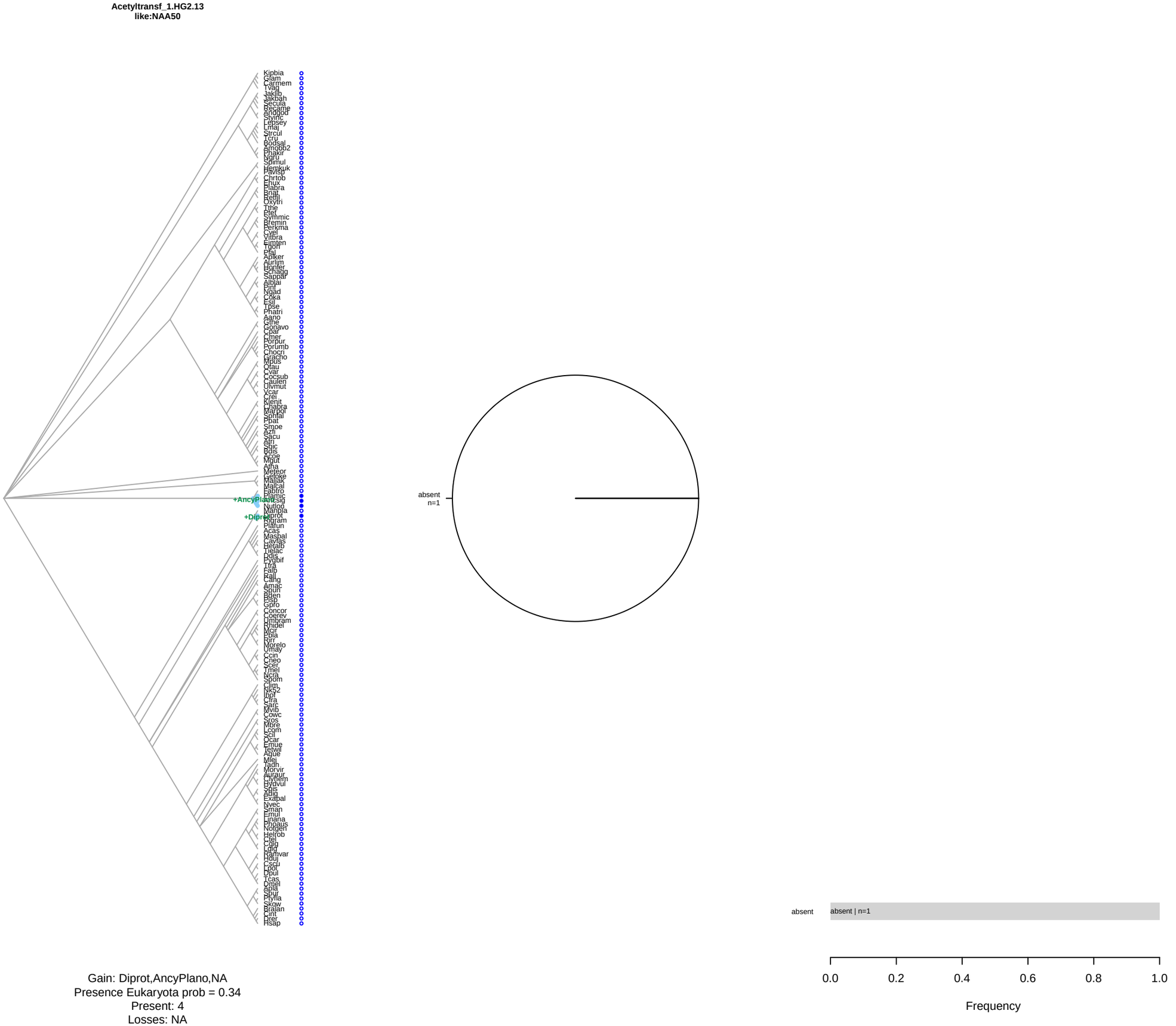
Gain: Pygbif,Eumycetozoa,Bremin,Retfil,Bnat,NA
Presence Eukaryota prob = 0.24
Present: 8
Losses: NA



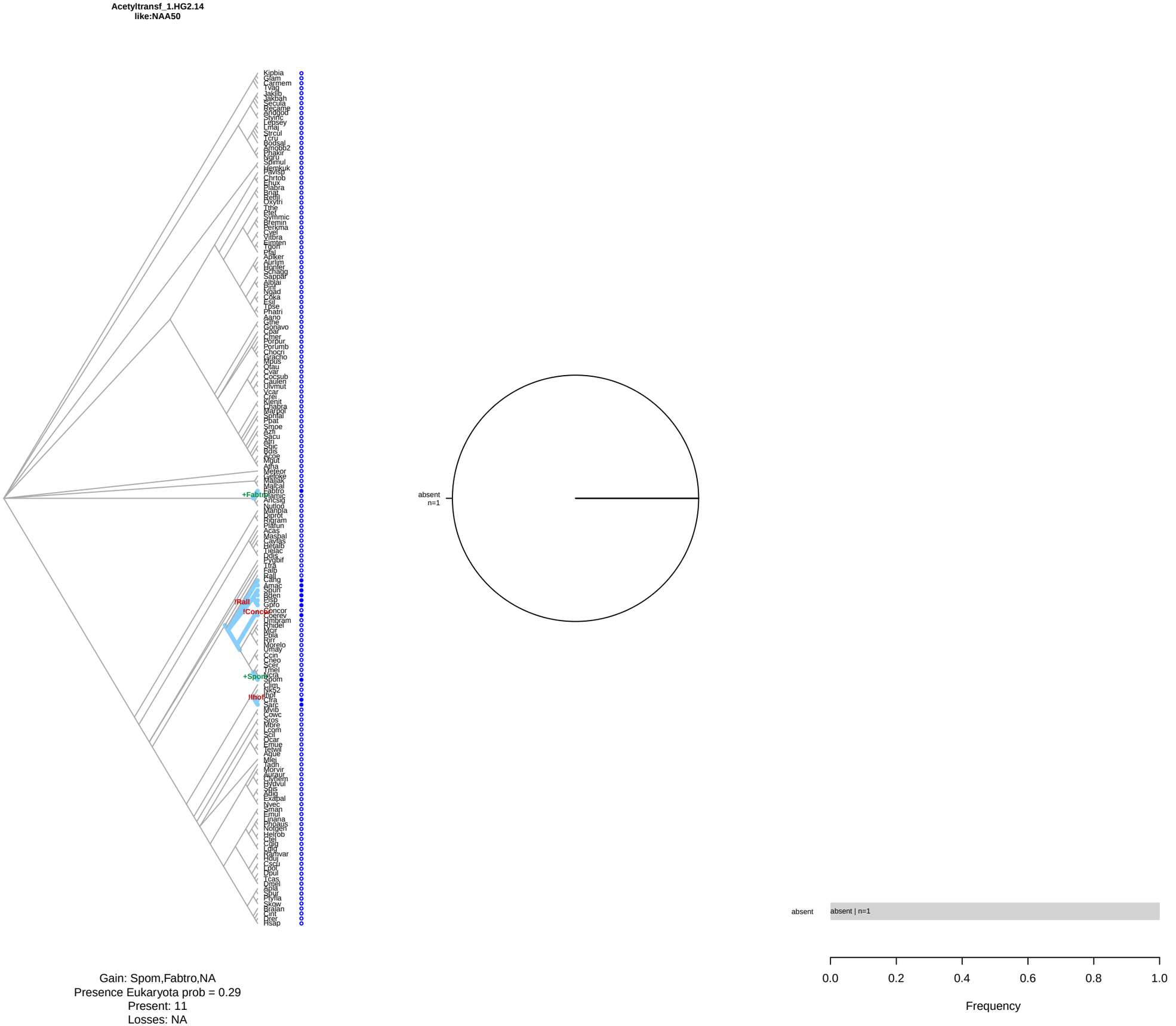
Gain: Fabtro,Tvag,NA
Presence Eukaryota prob = 0.04
Present: 2
Losses: NA



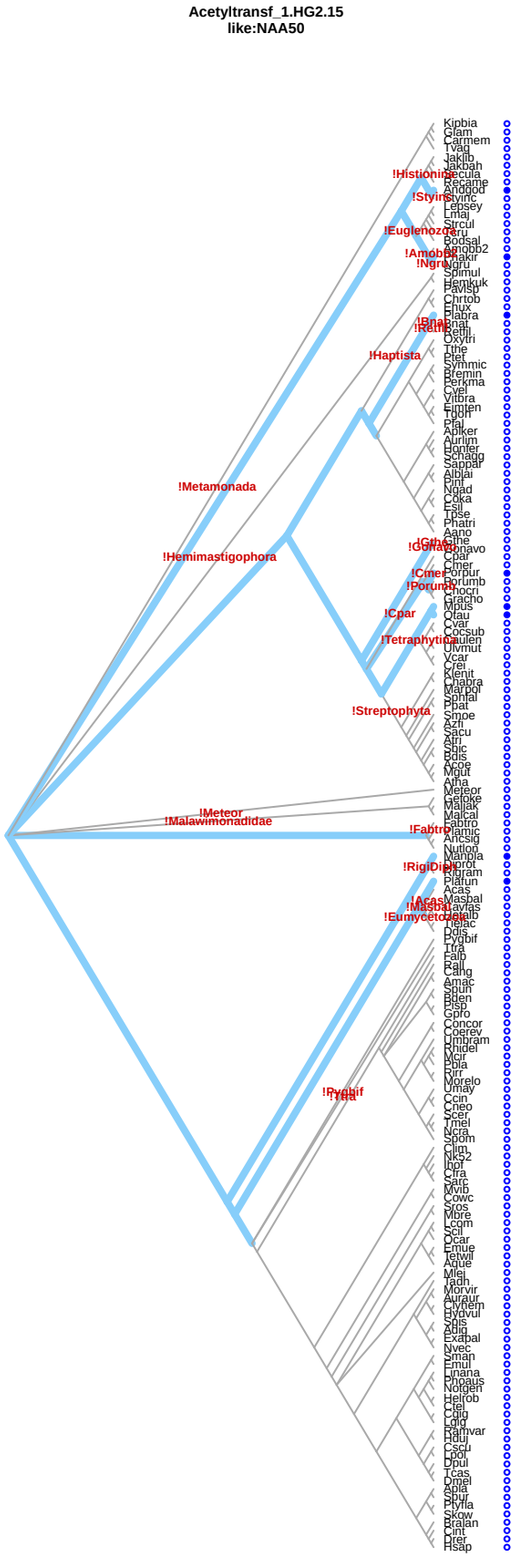
Gain: Aplker,Tvag,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

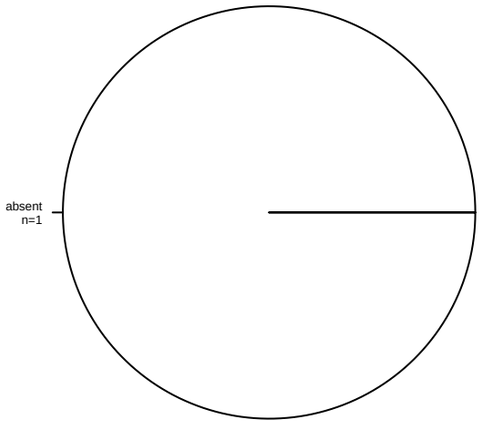


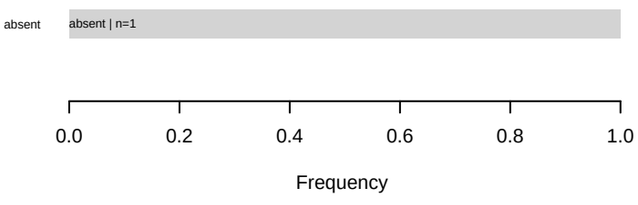
Gain: Diprot,AncyPlano,NA
Presence Eukaryota prob = 0.34
Present: 4
Losses: NA



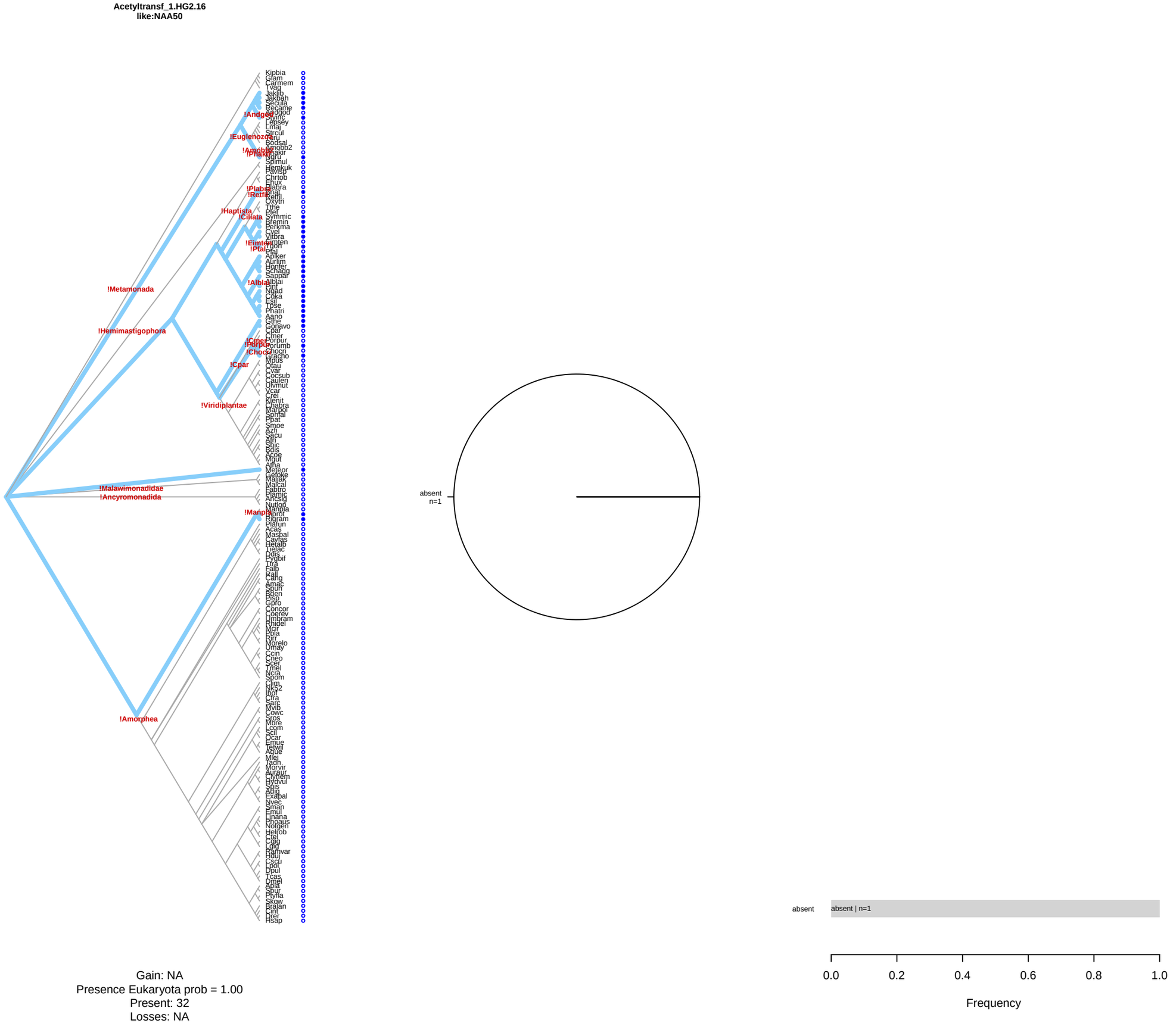
Gain: Spom,Fabtro,NA
Presence Eukaryota prob = 0.29
Present: 11
Losses: NA



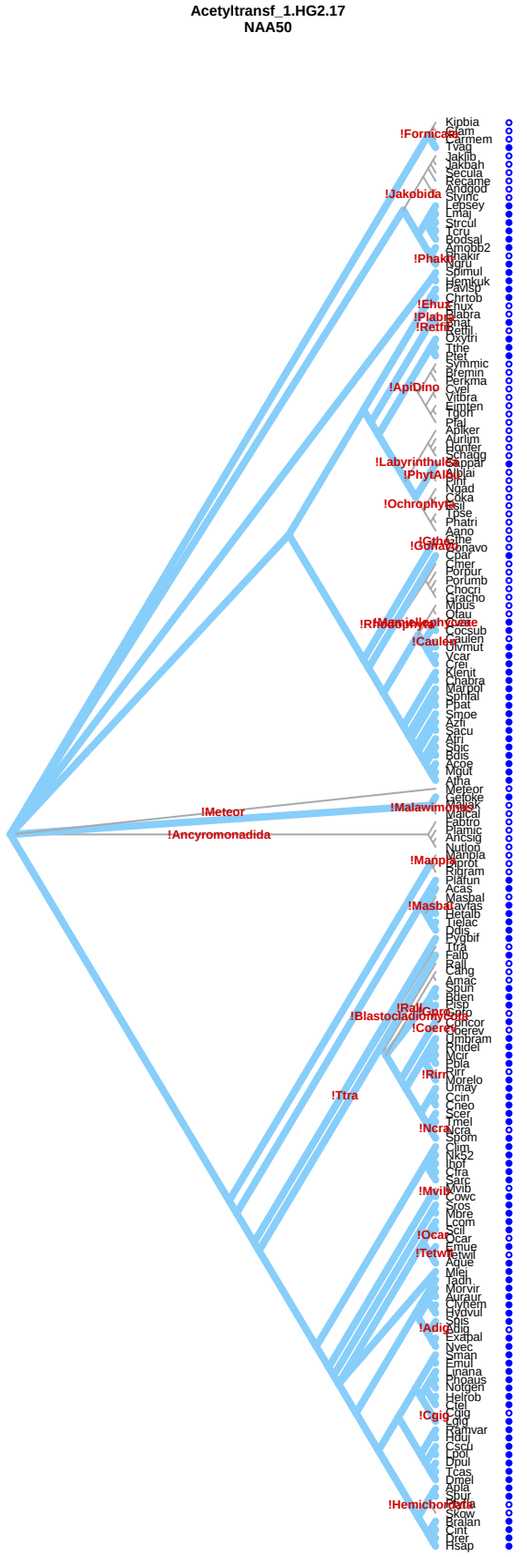


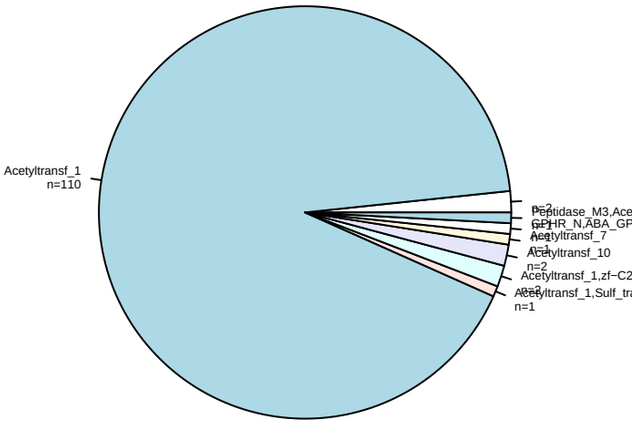


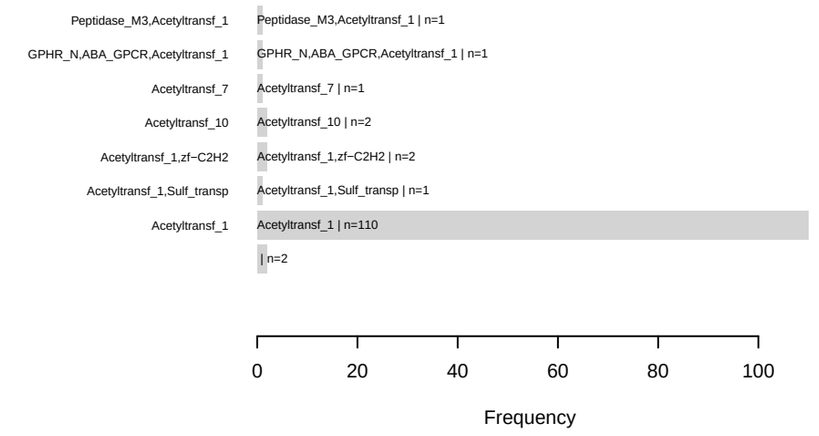
Gain: NA
Presence Eukaryota prob = 0.98
Present: 8
Losses: NA



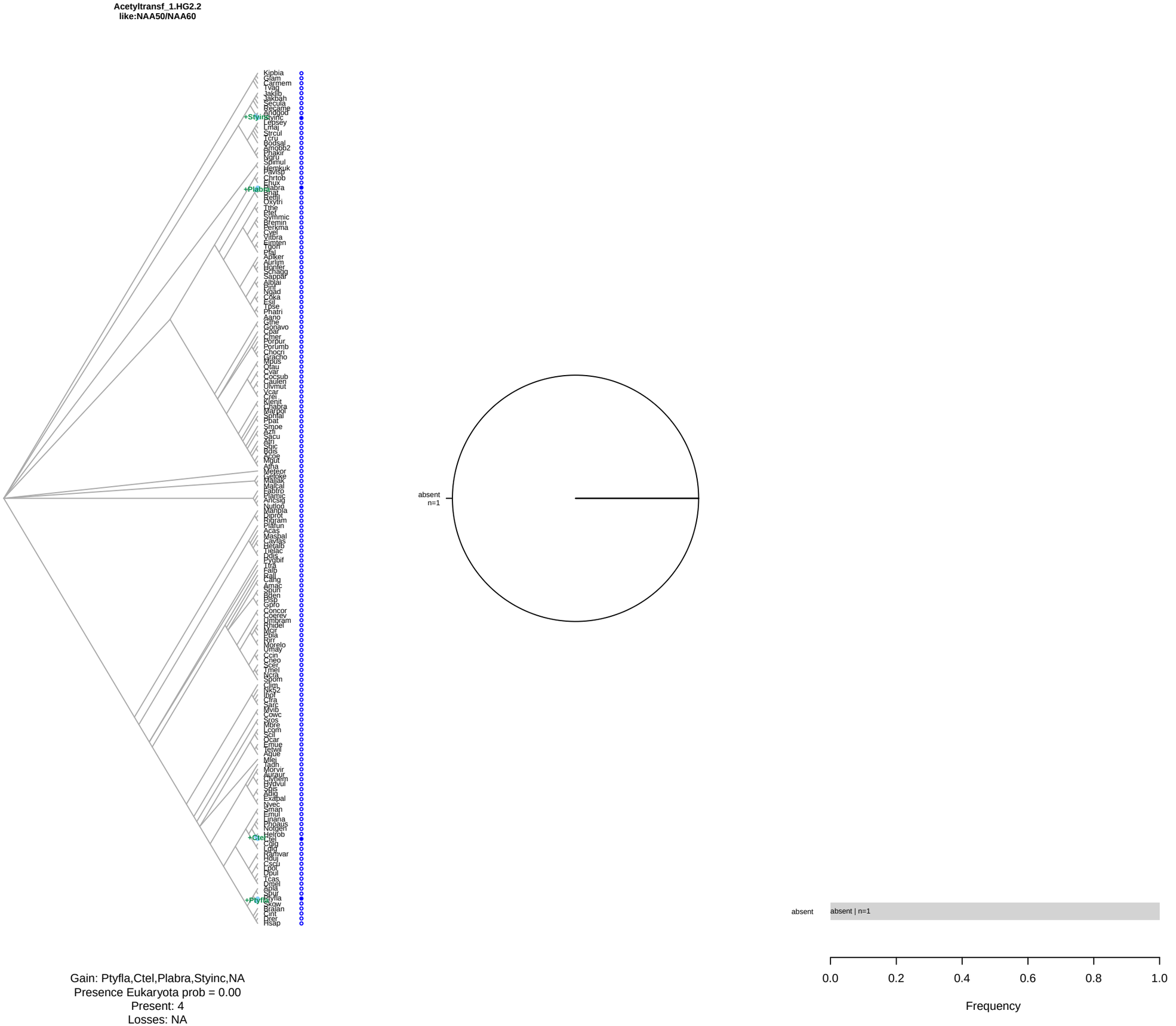
Gain: NA
Presence Eukaryota prob = 1.00
Present: 32
Losses: NA



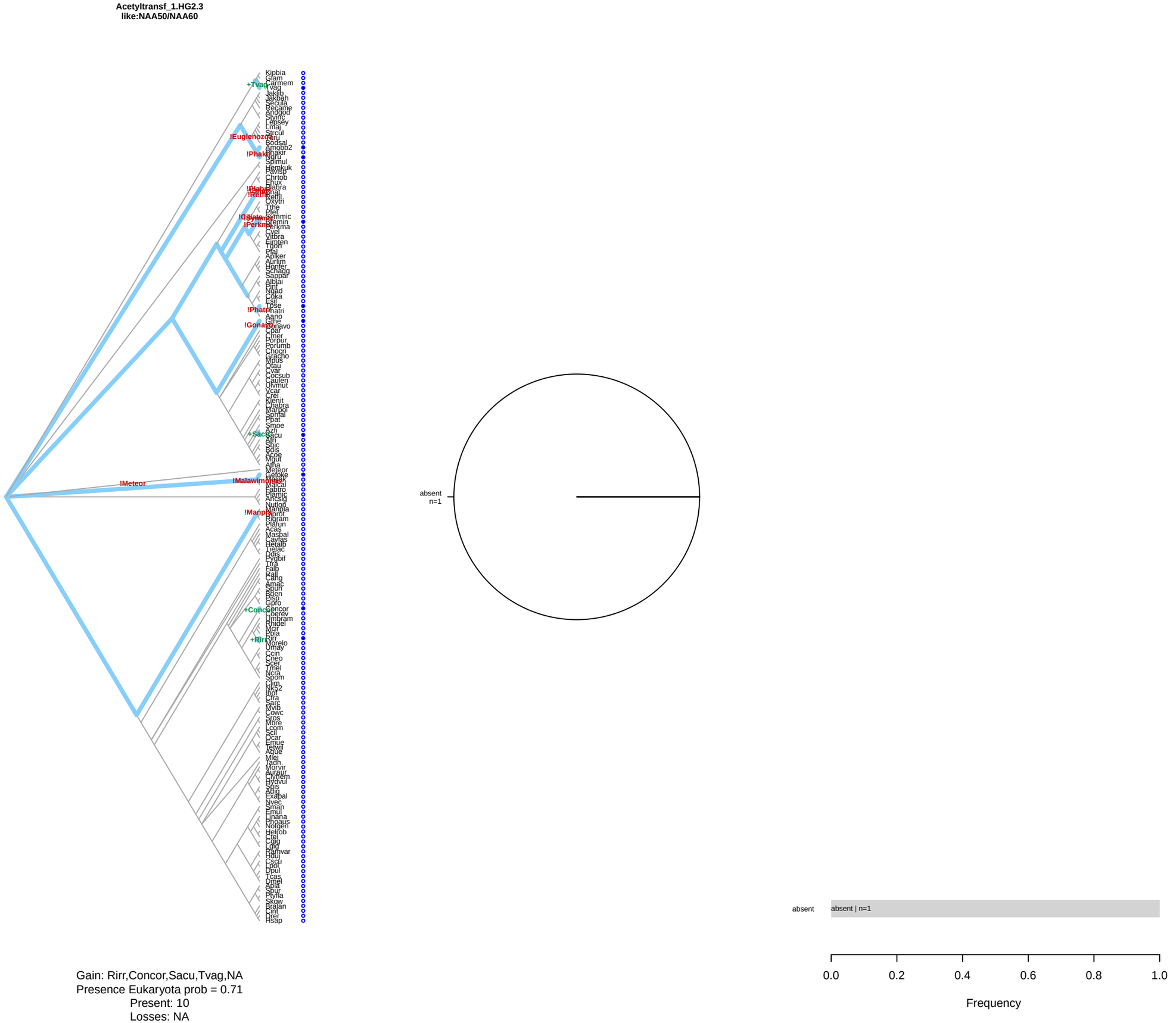




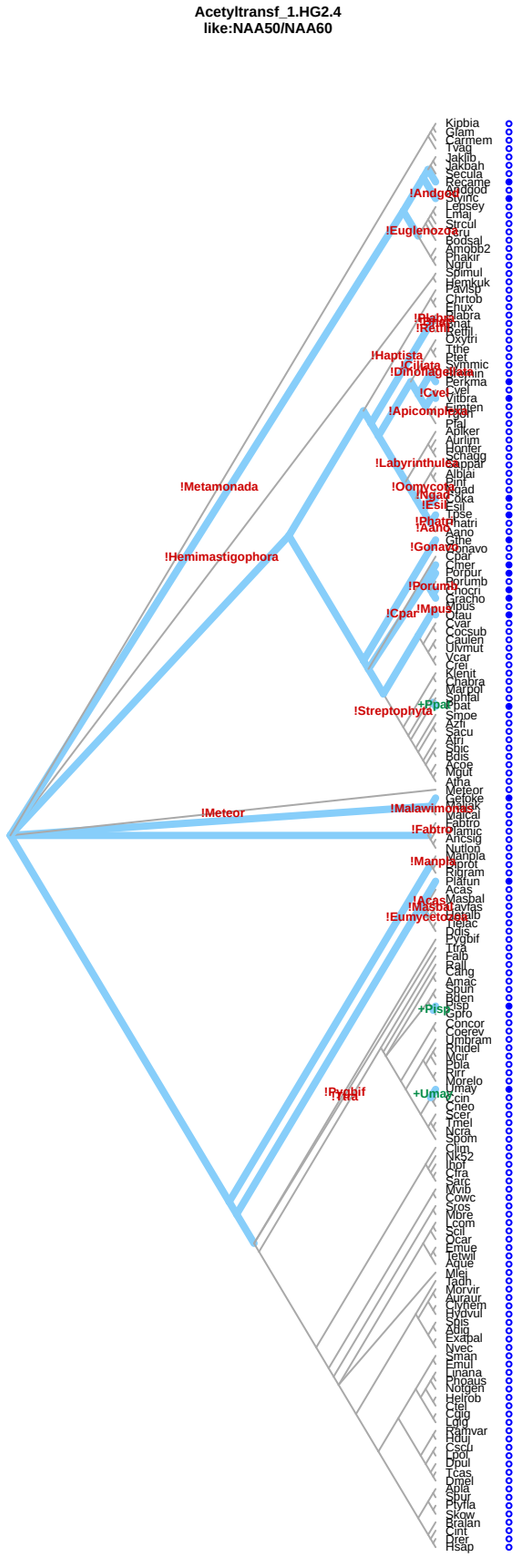
Gain: NA
Presence Eukaryota prob = 1.00
Present: 103
Losses: NA

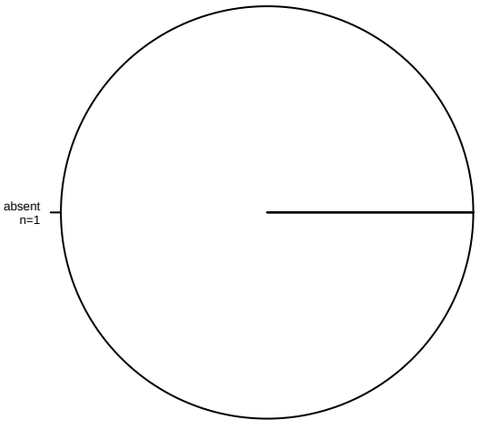


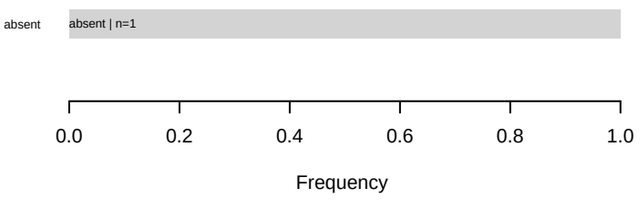
Gain: Ptyfla,Ctel,Plabra,Styinc,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA



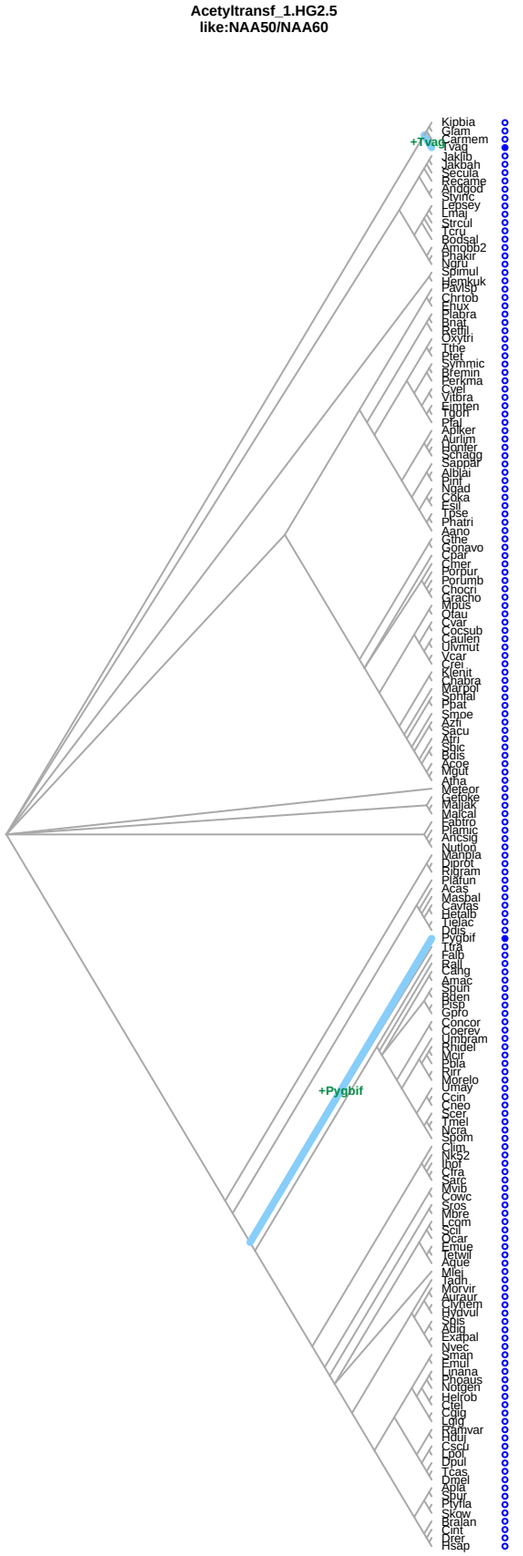
Gain: Rirr,Concor,Sacu,Tvag,NA
Presence Eukaryota prob = 0.71
Present: 10
Losses: NA

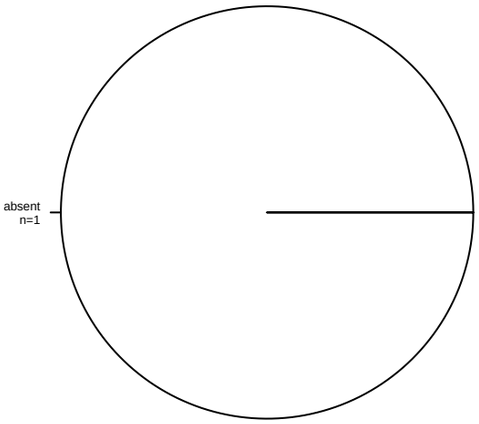


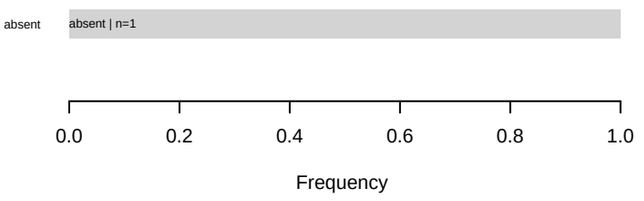




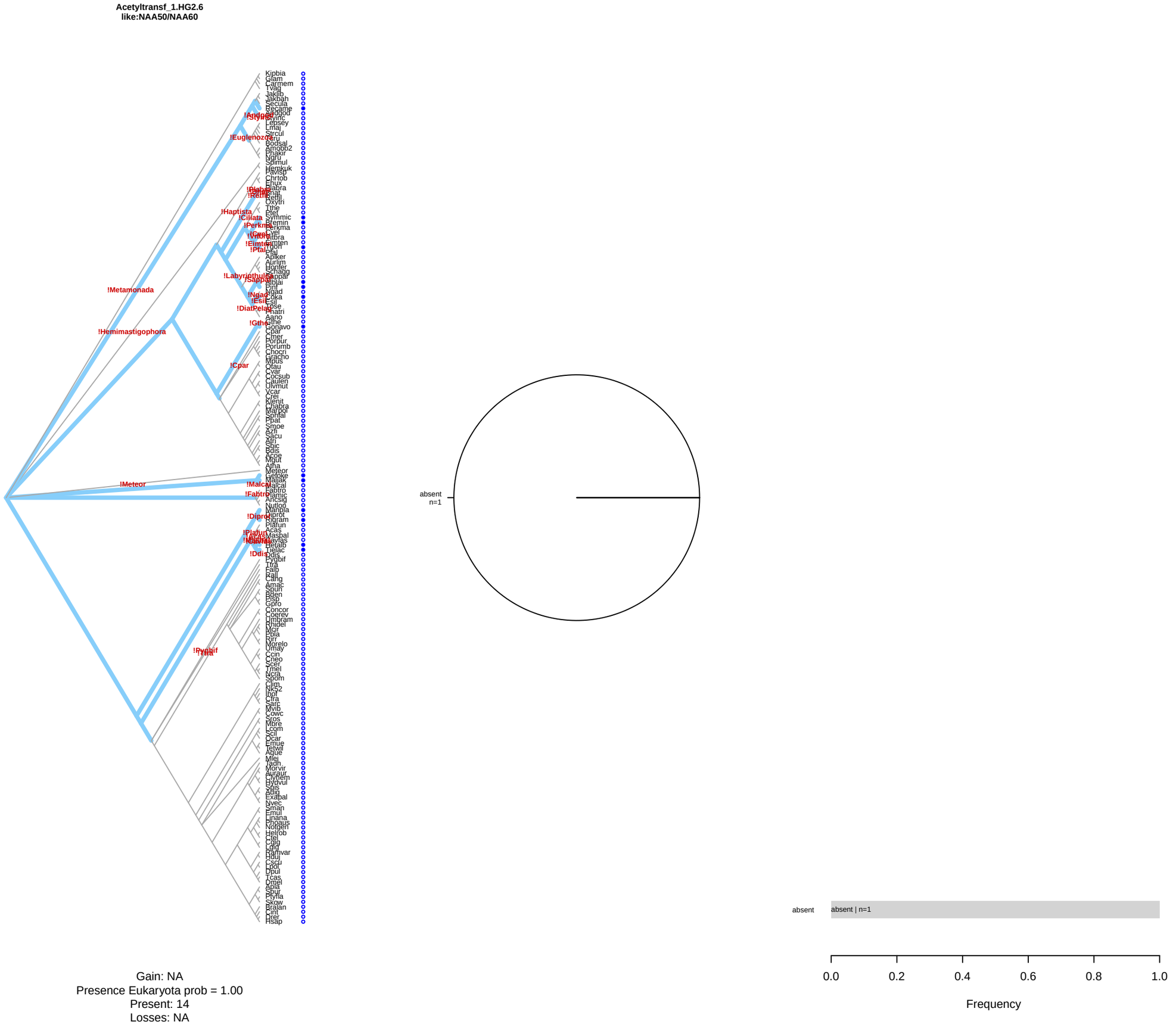
Gain: Umay,Pisp,Ppat,NA
Presence Eukaryota prob = 0.92
Present: 17
Losses: NA



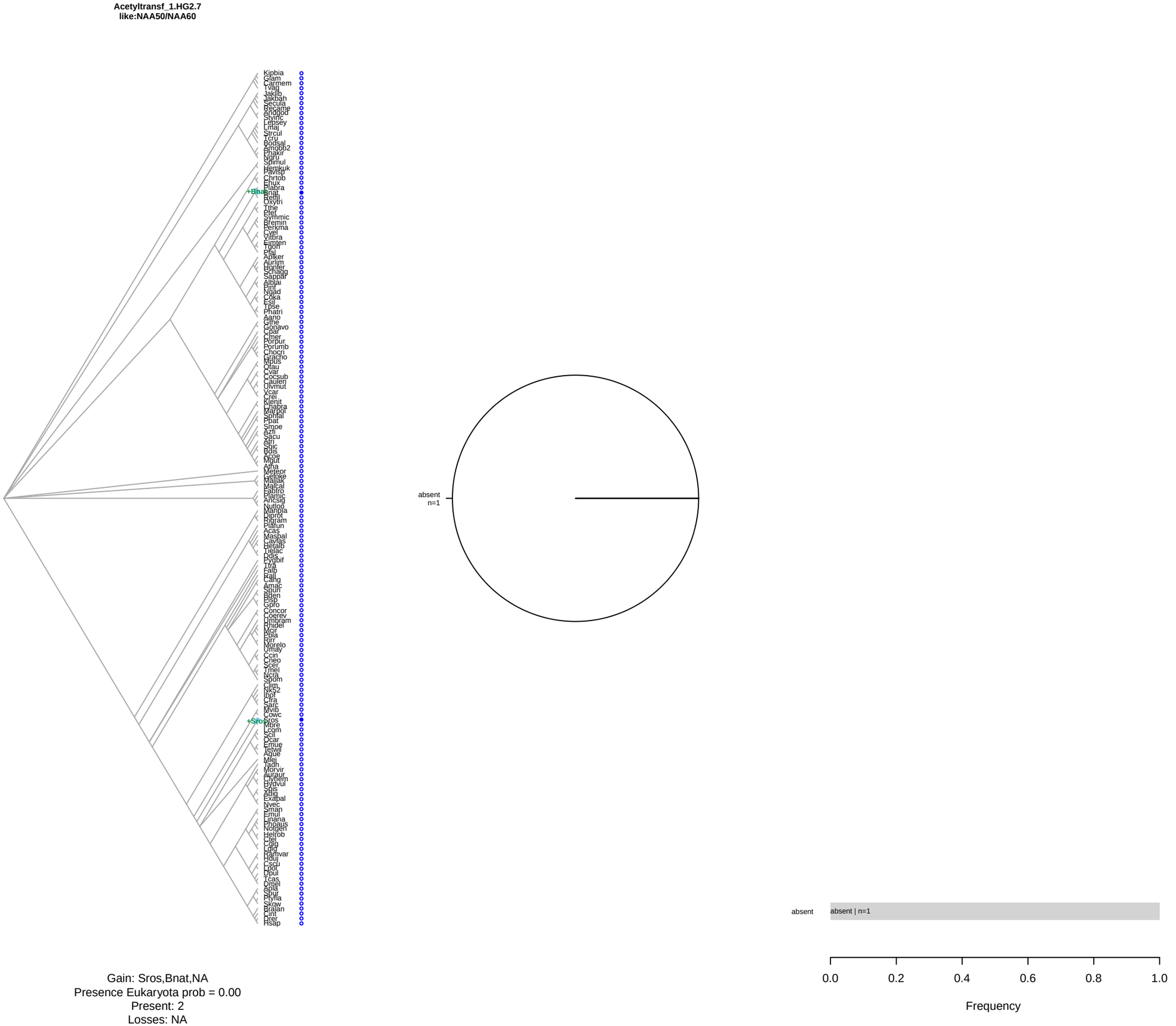




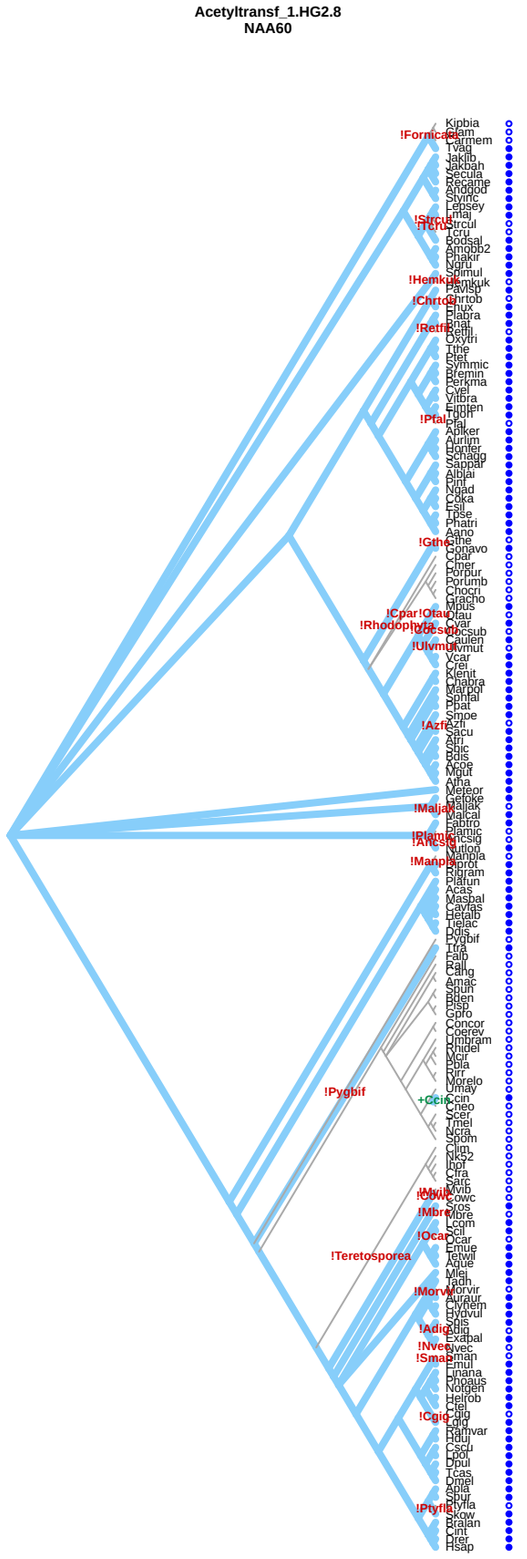
Gain: Pygbif,Tvag,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

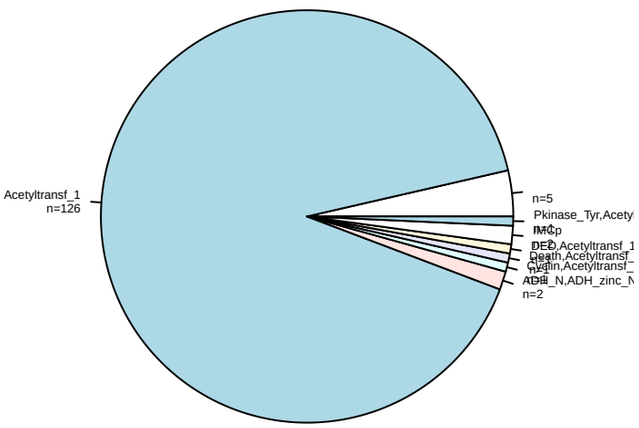


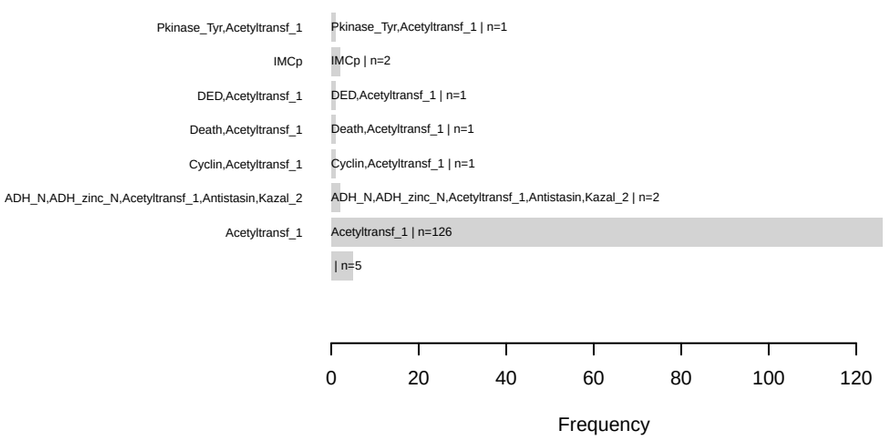
Gain: NA
Presence Eukaryota prob = 1.00
Present: 14
Losses: NA



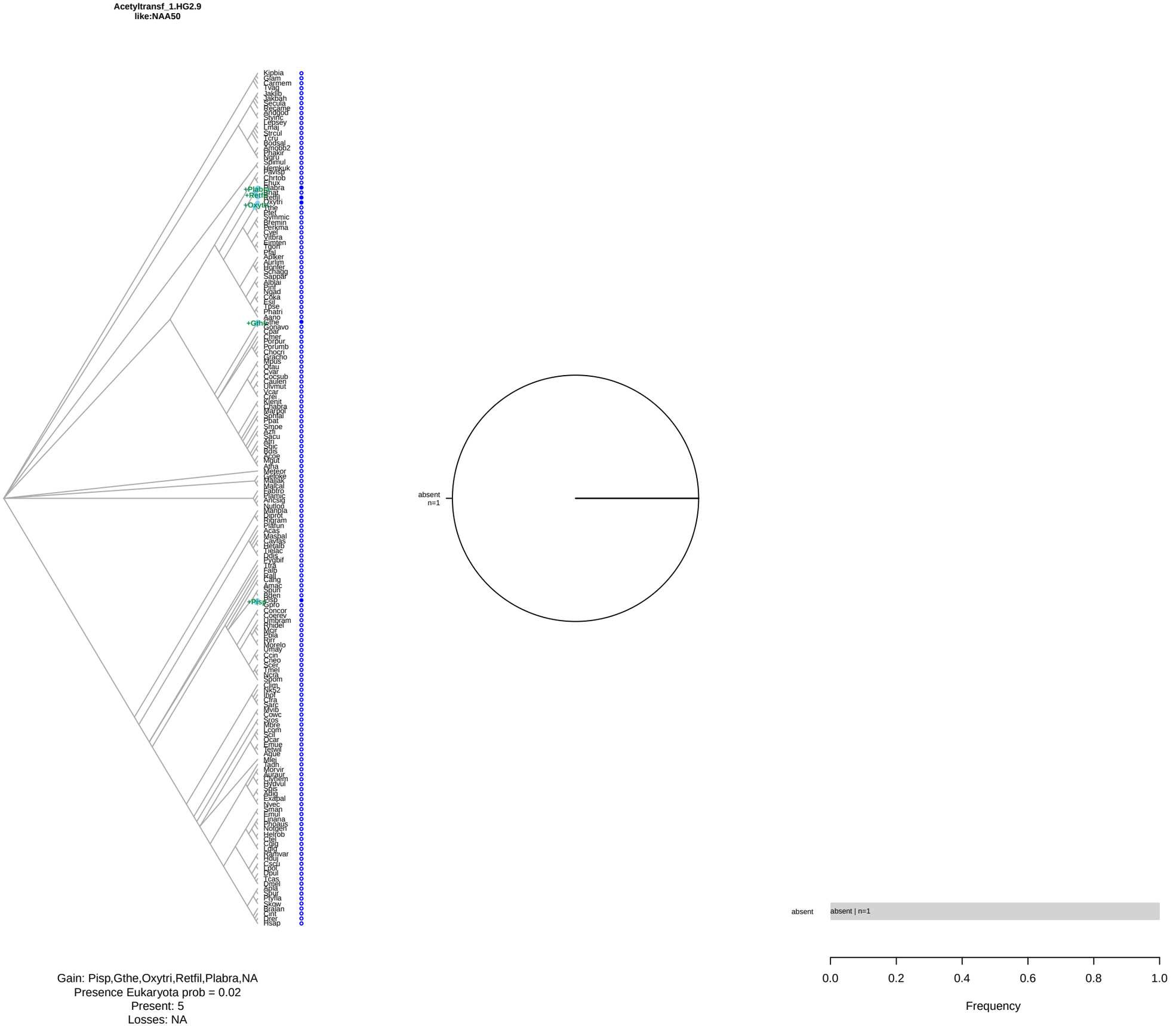
Gain: Sros,Bnat,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



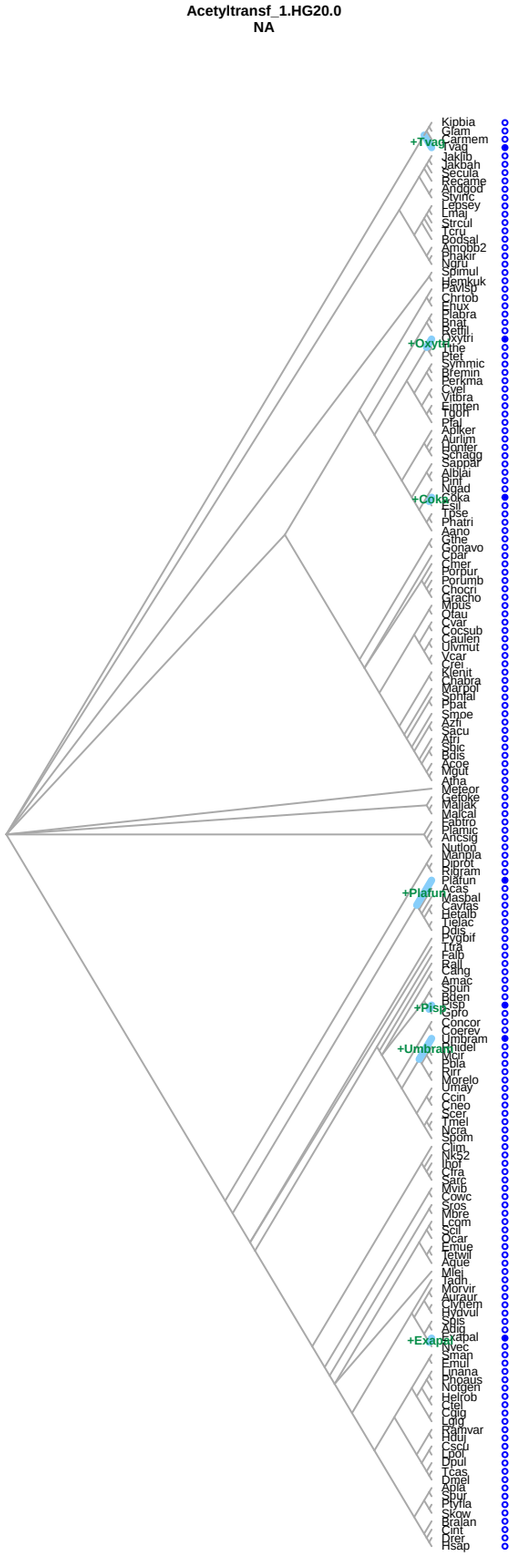


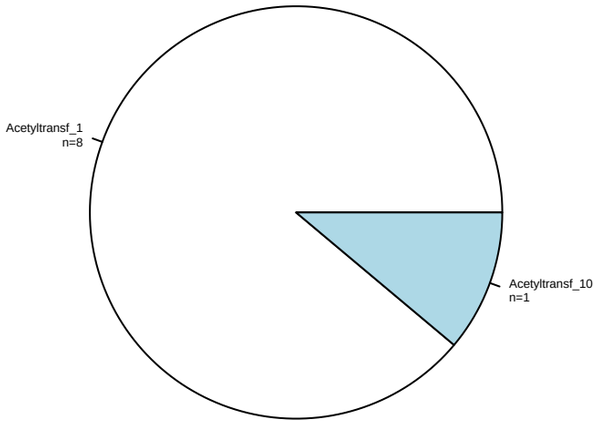


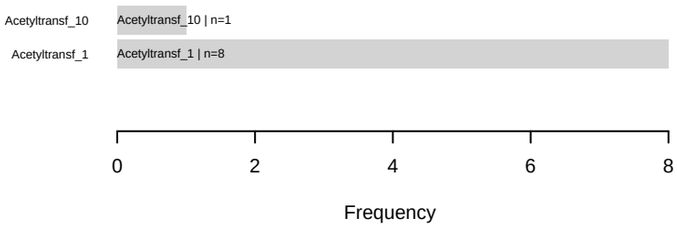
Gain: Ccin,NA
Presence Eukaryota prob = 1.00
Present: 110
Losses: NA



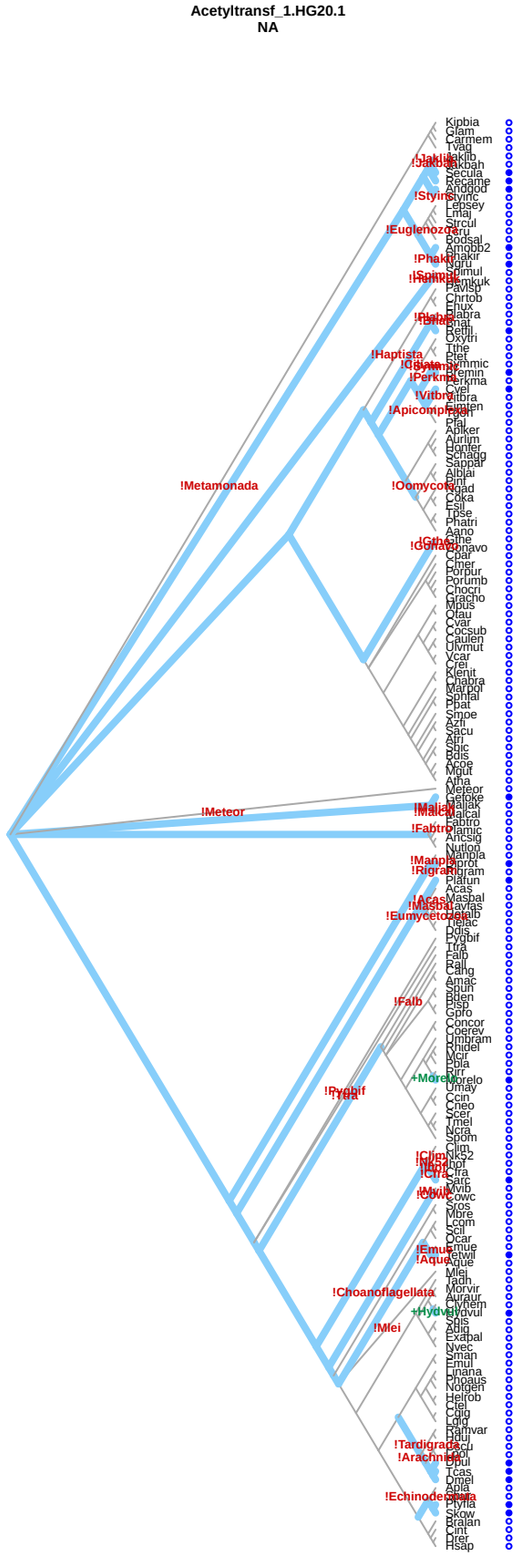
Gain: Pisp,Gthe,Oxytri,Retfil,Plabra,NA
Presence Eukaryota prob = 0.02
Present: 5
Losses: NA

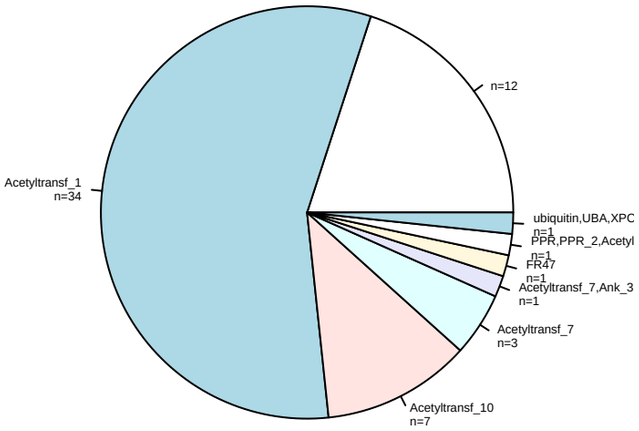


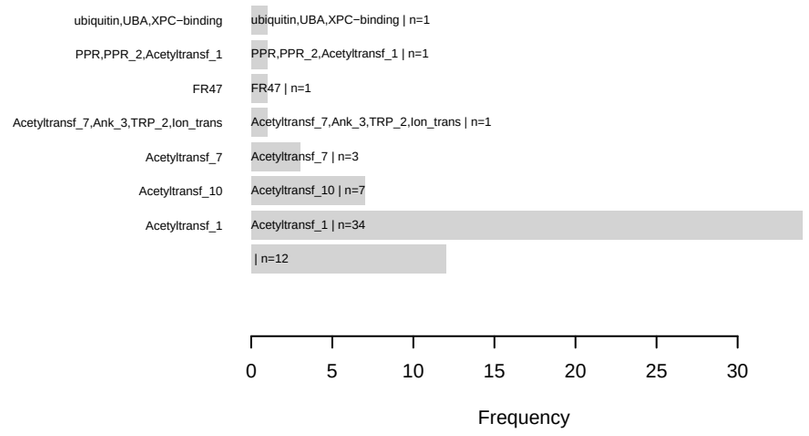




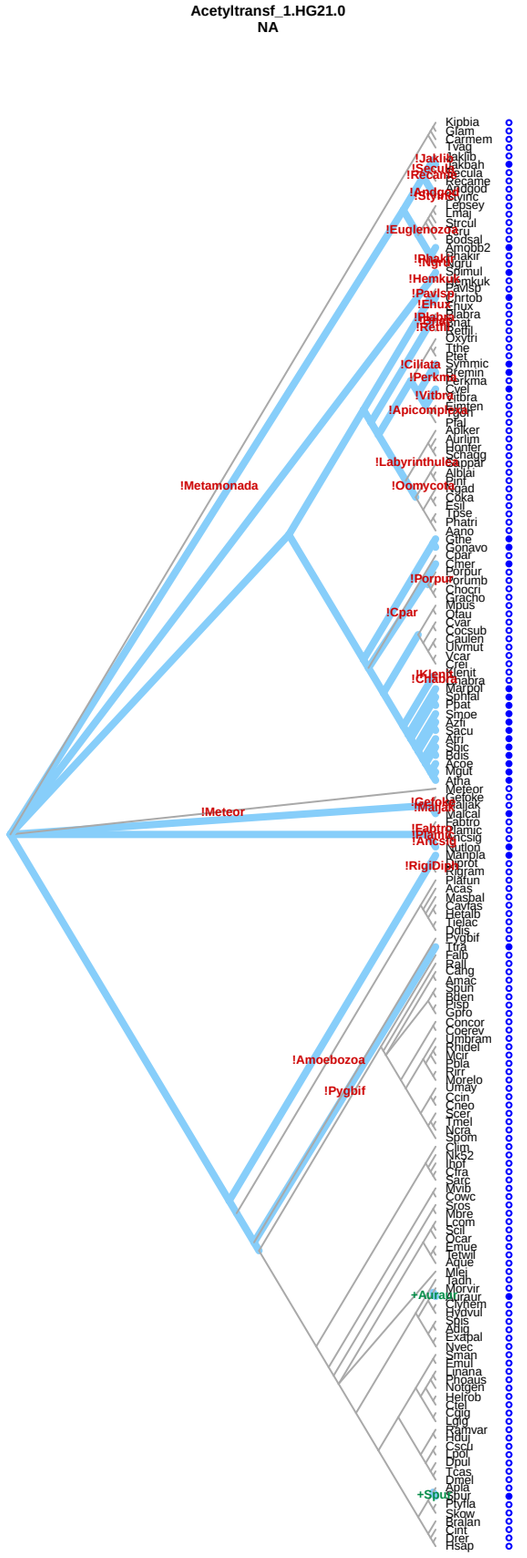
Gain: Exapal,Umbram,Pisp,Plafun,Coka,Oxytri,Tvag,NA
Presence Eukaryota prob = 0.01
Present: 7
Losses: NA



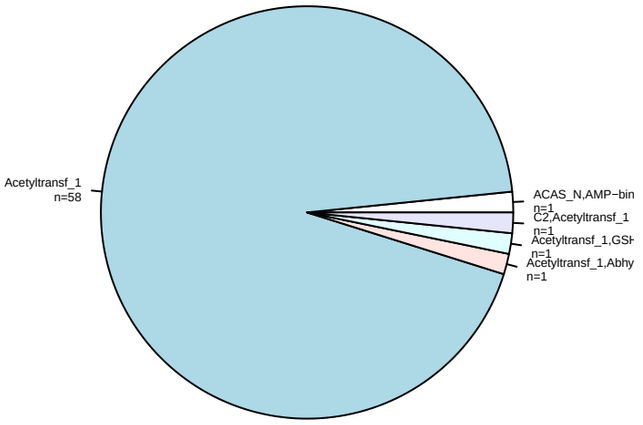


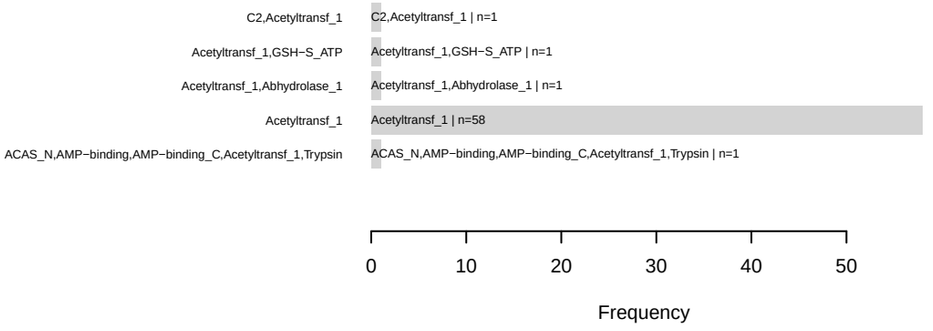


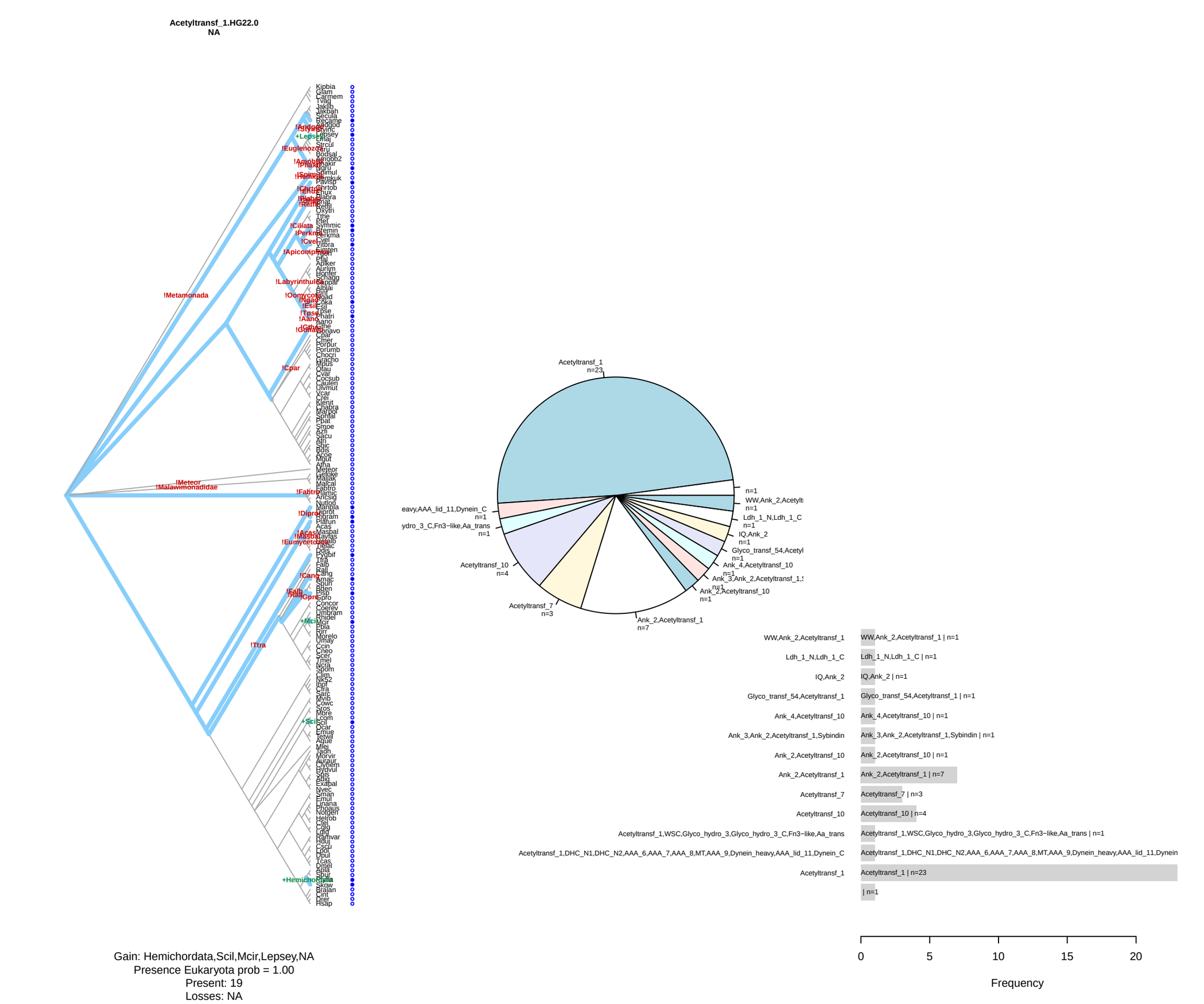
Gain: Hydvul,Morelo,NA
Presence Eukaryota prob = 1.00
Present: 20
Losses: NA



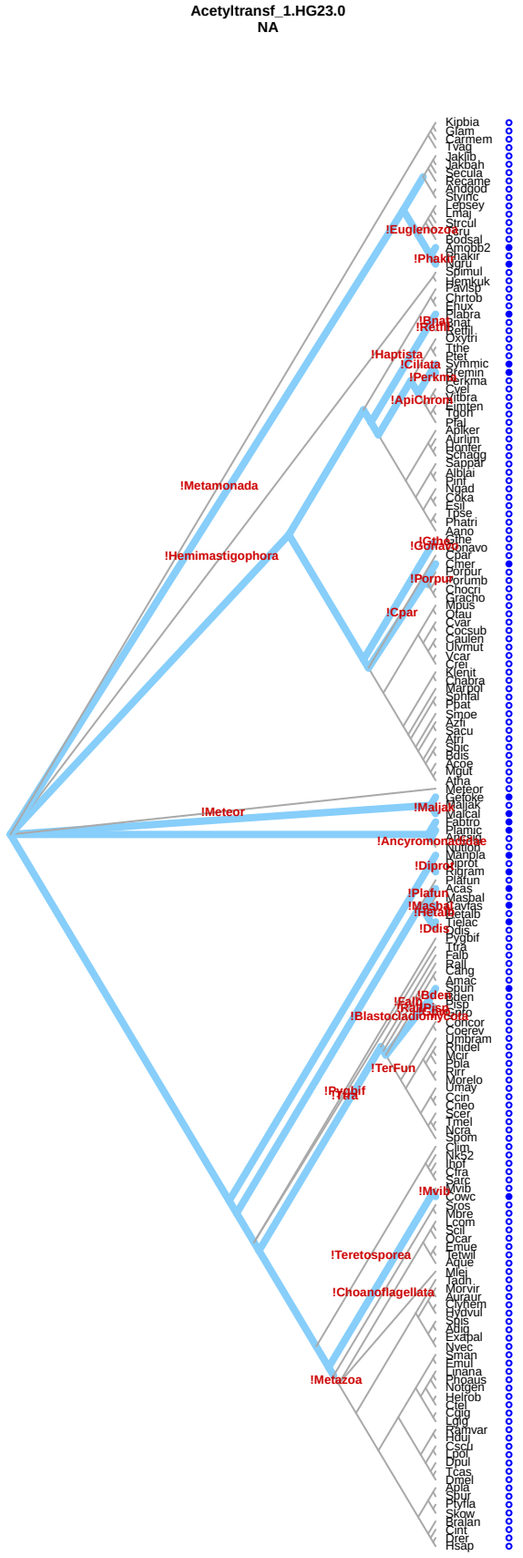
Gain: Spur,Auraur,NA
Presence Eukaryota prob = 1.00
Present: 28
Losses: NA

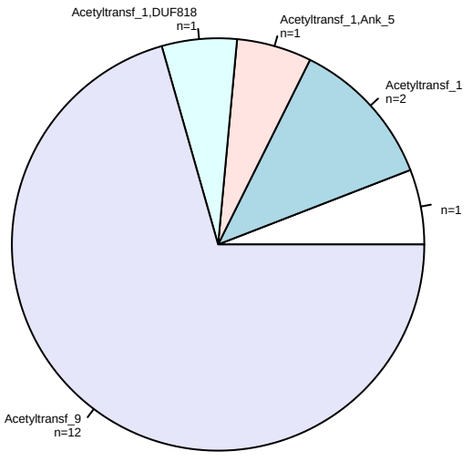


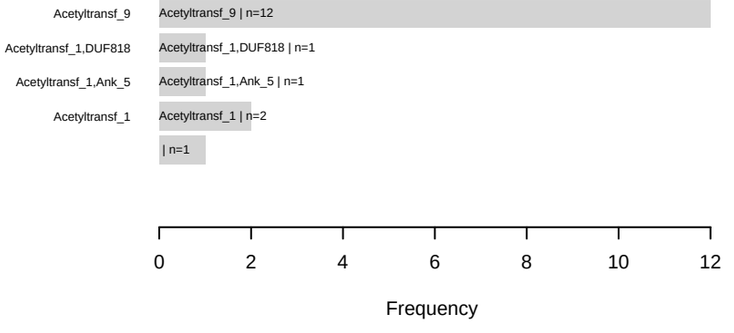




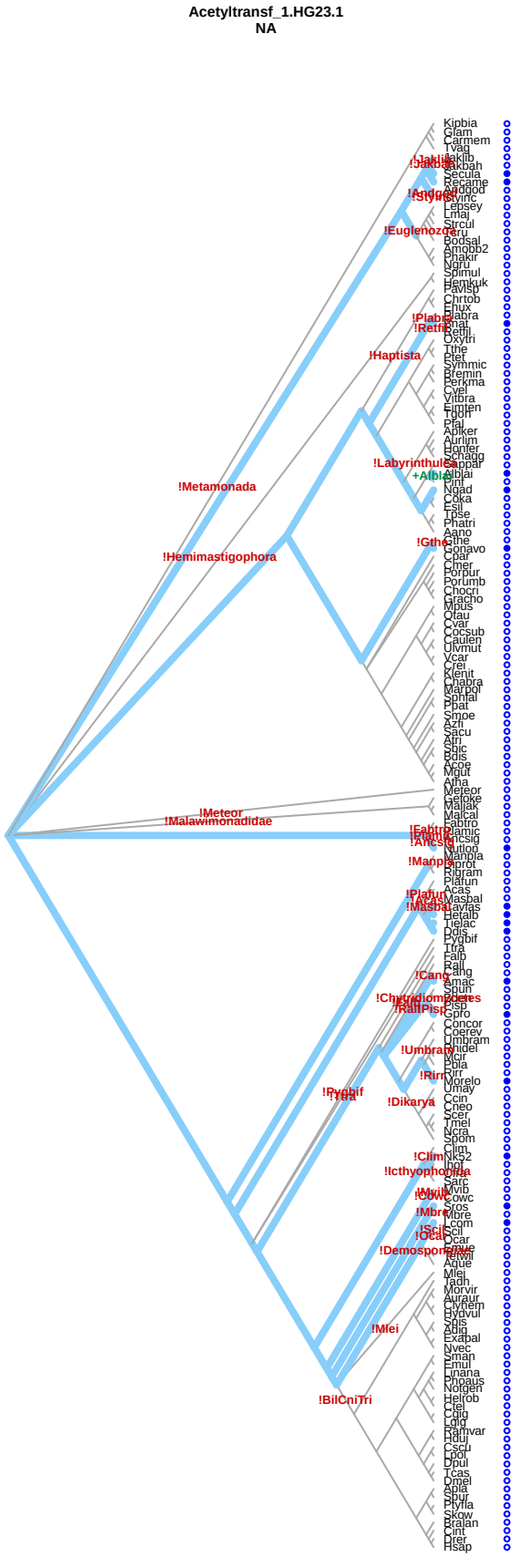
Gain: Hemichordata,Scil,Mcir,Lepsey,NA
Presence Eukaryota prob = 1.00
Present: 19
Losses: NA

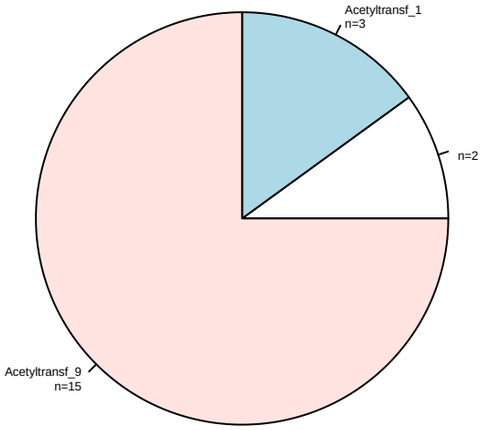


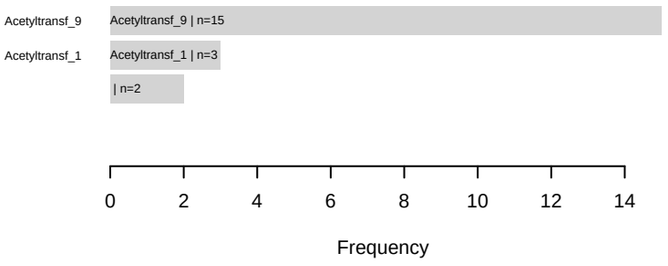




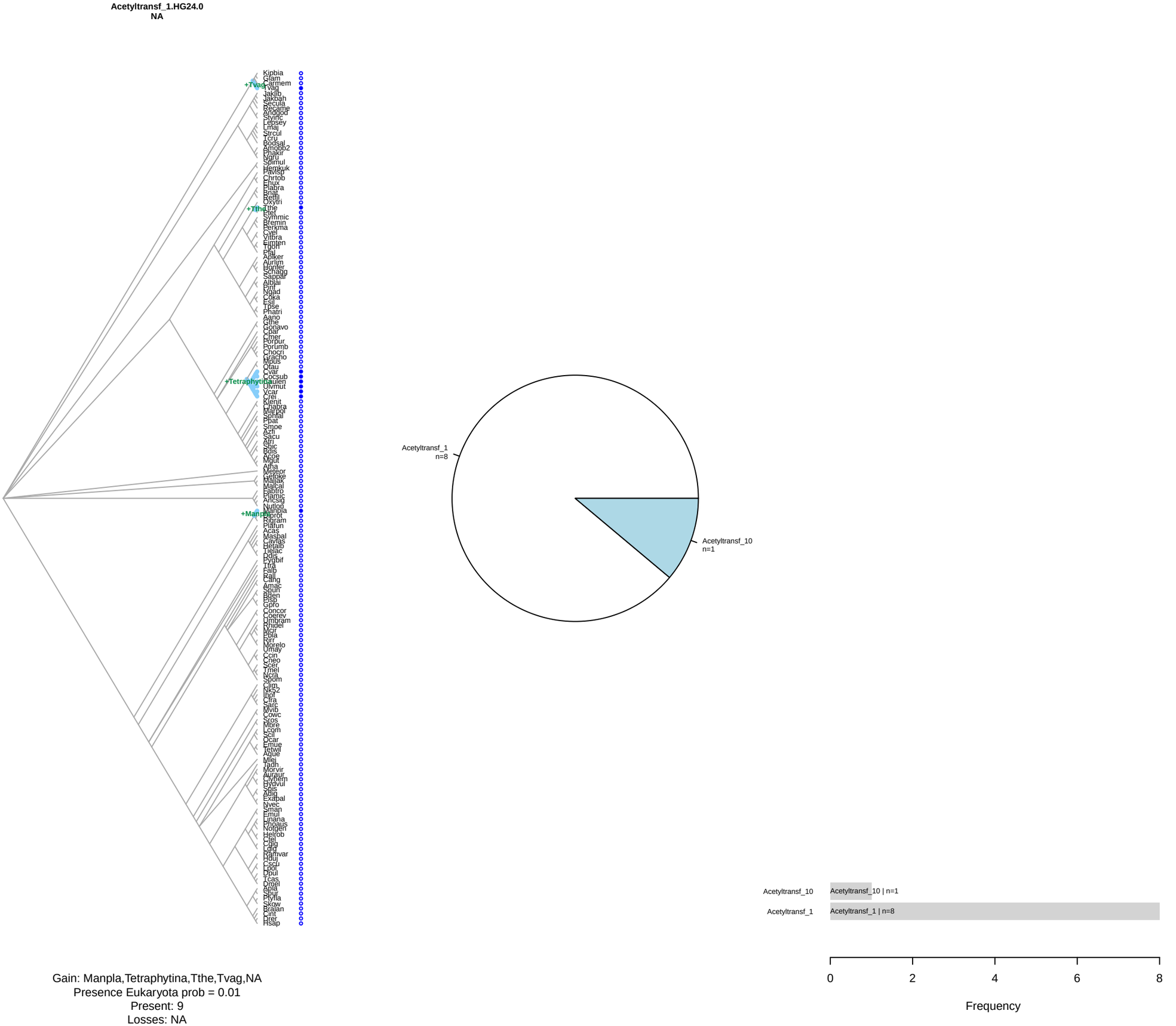
Gain: NA
Presence Eukaryota prob = 1.00
Present: 17
Losses: NA



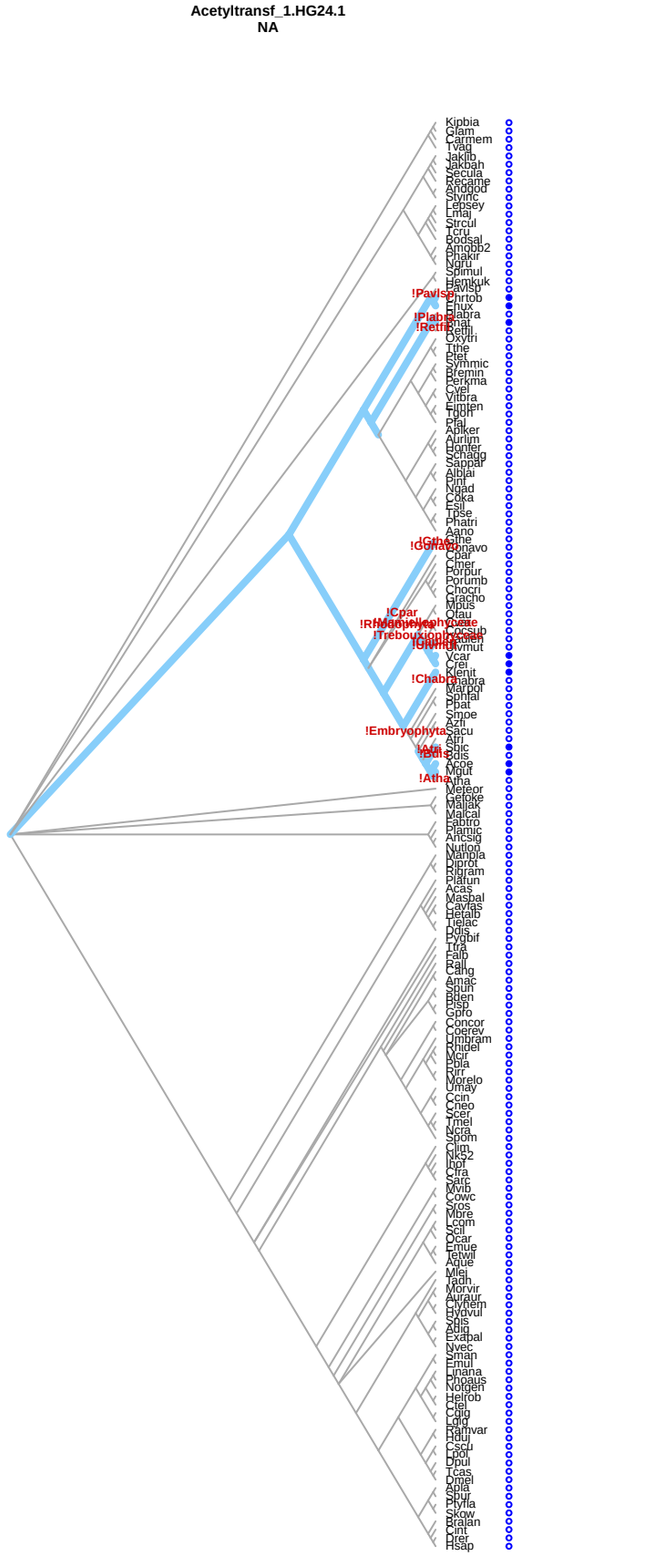




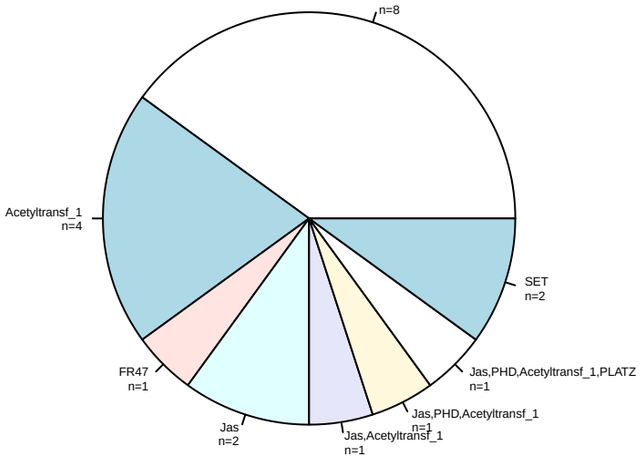
Gain: Alblai,NA
Presence Eukaryota prob = 1.00
Present: 17
Losses: NA

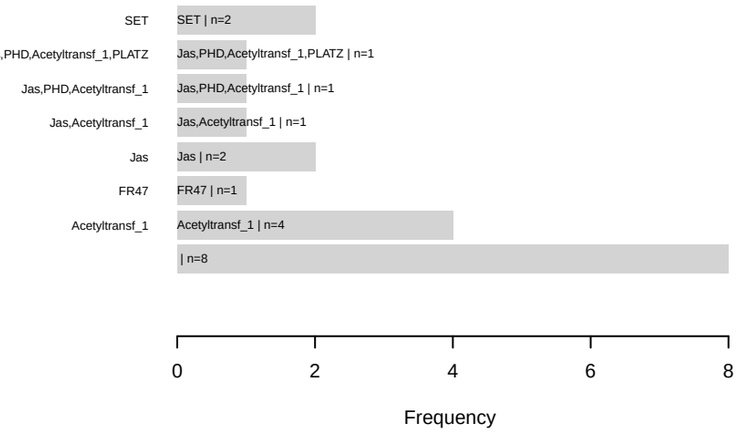


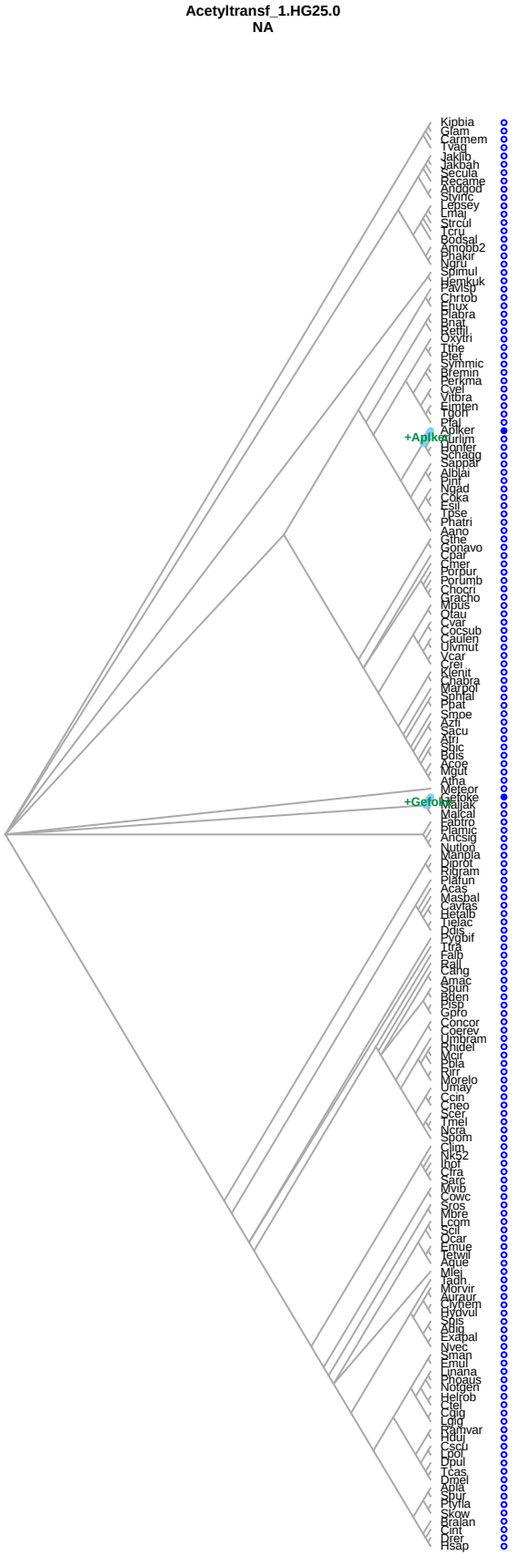
Gain: Manpla,Tetraphytina,Tthe,Tvag,NA
Presence Eukaryota prob = 0.01
Present: 9
Losses: NA

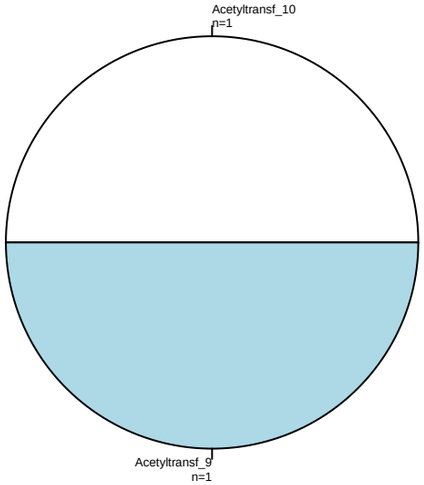


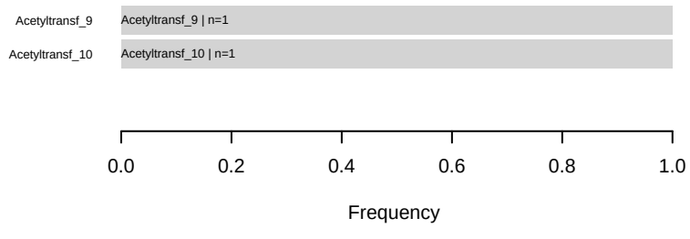
Gain: NA
Presence Eukaryota prob = 0.47
Present: 9
Losses: NA



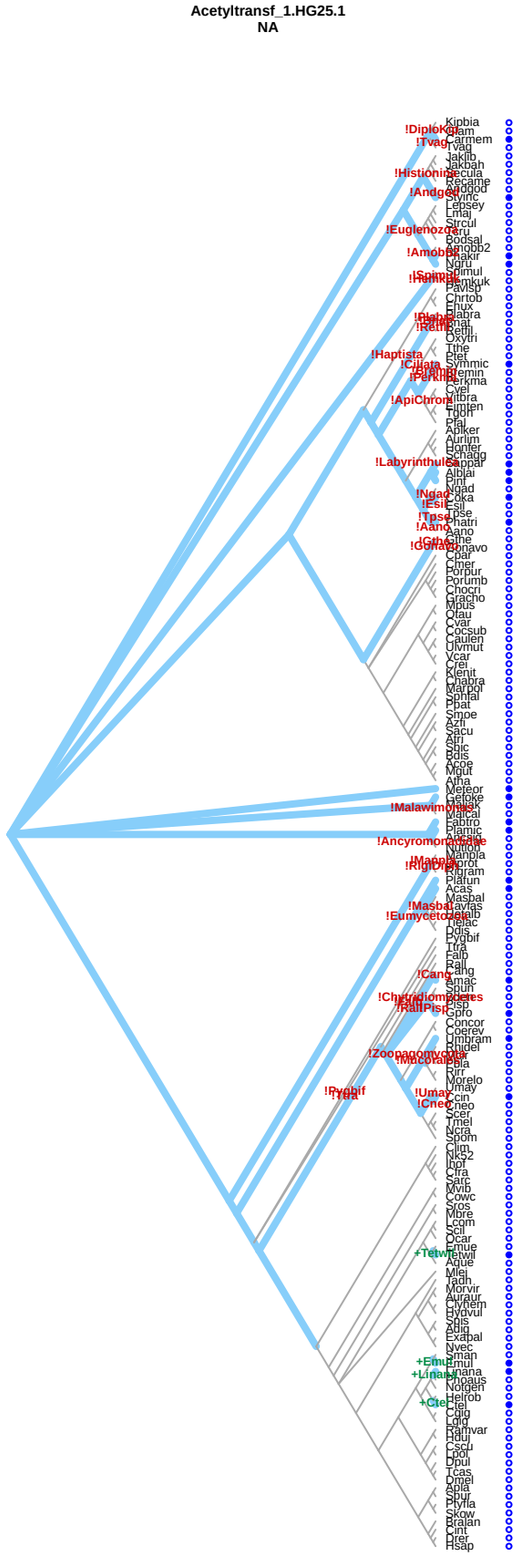


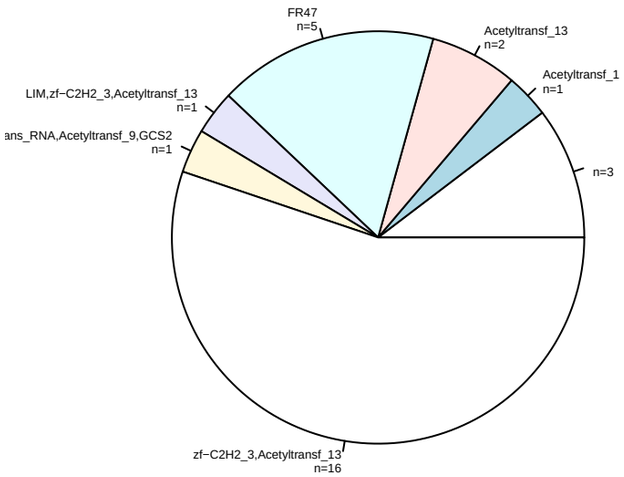


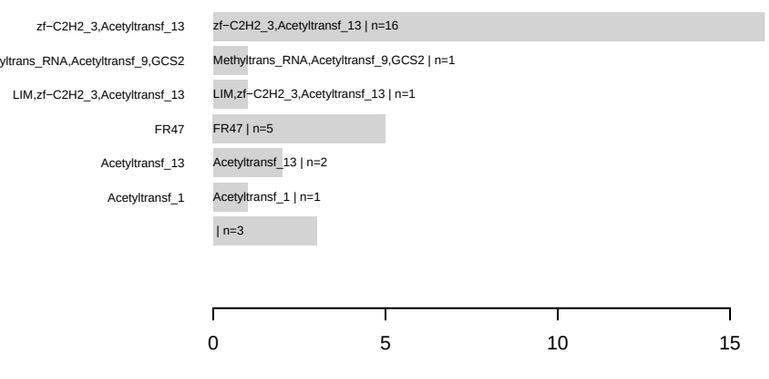




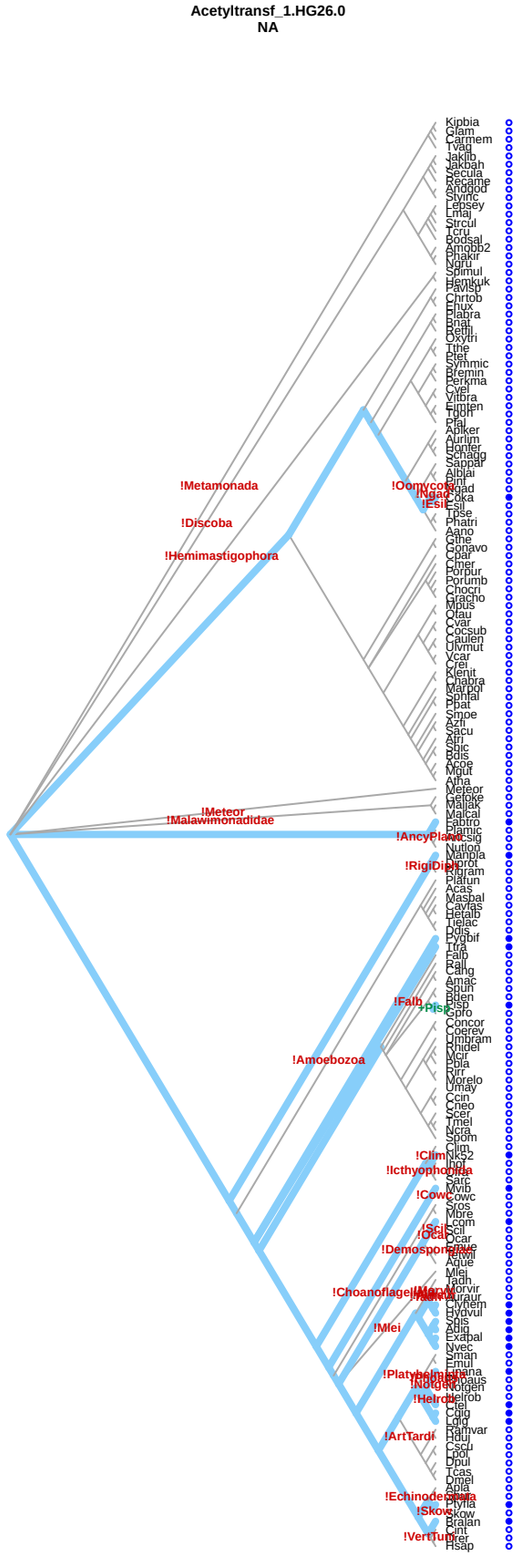
Gain: Gefoke,Aplker,NA
Presence Eukaryota prob = 0.02
Present: 2
Losses: NA

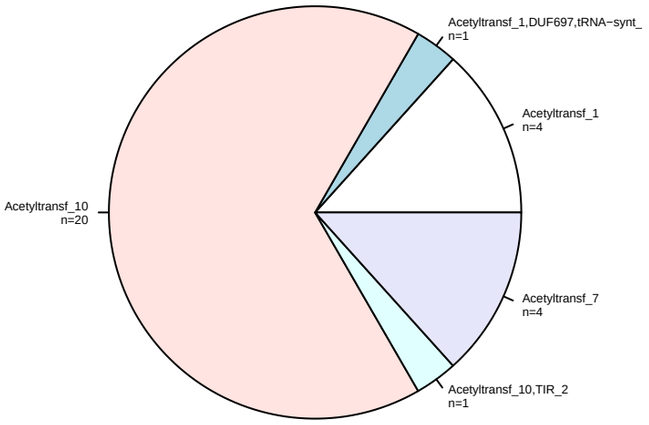


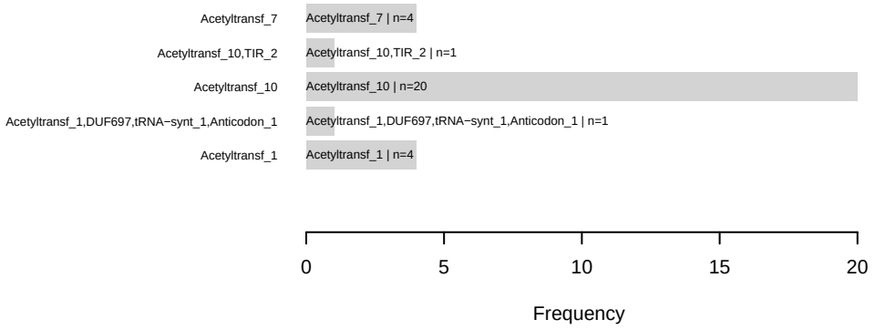




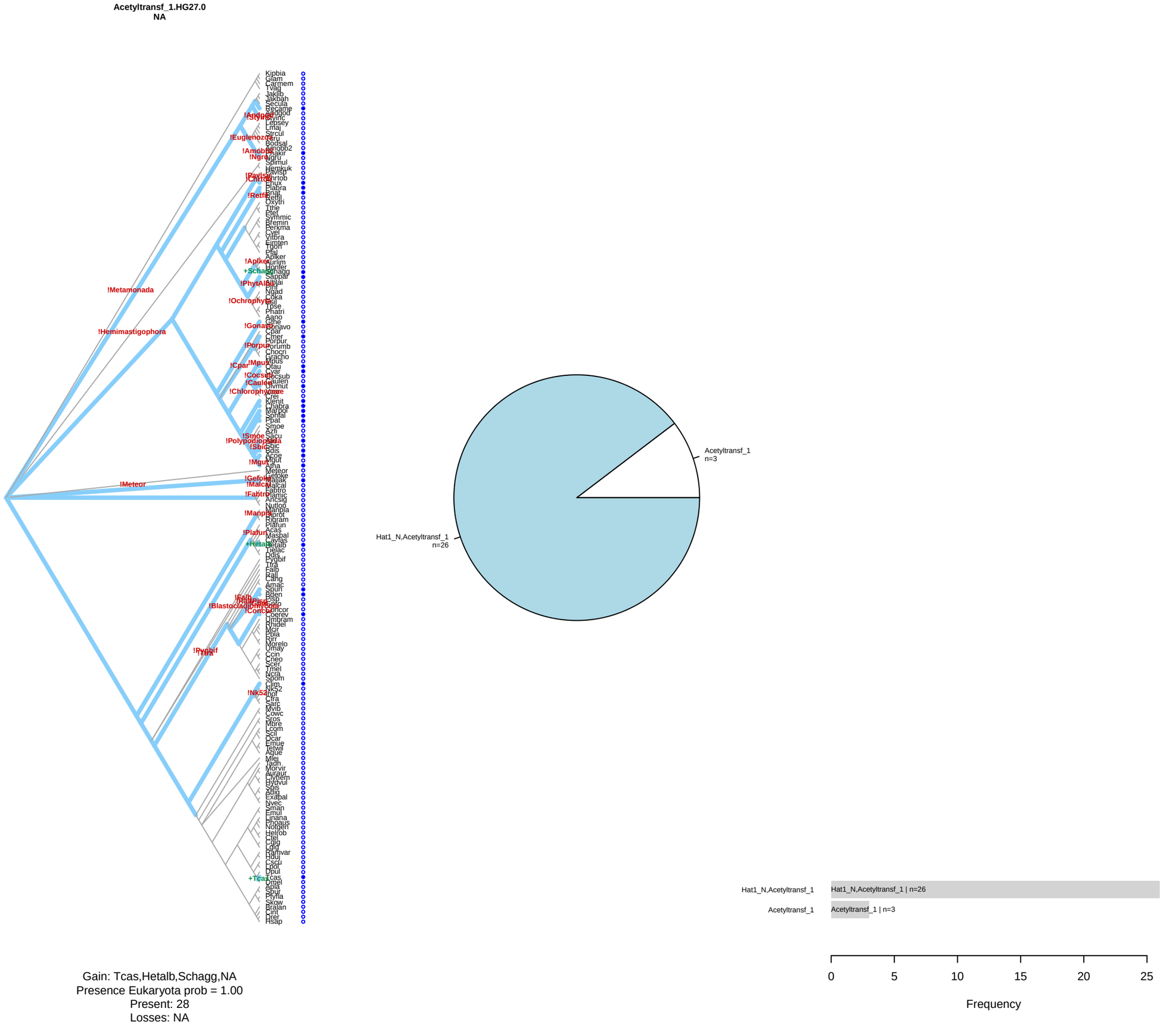
Gain: Ctel,Linana,Emul,Tetwil,NA
Presence Eukaryota prob = 1.00
Present: 24
Losses: NA



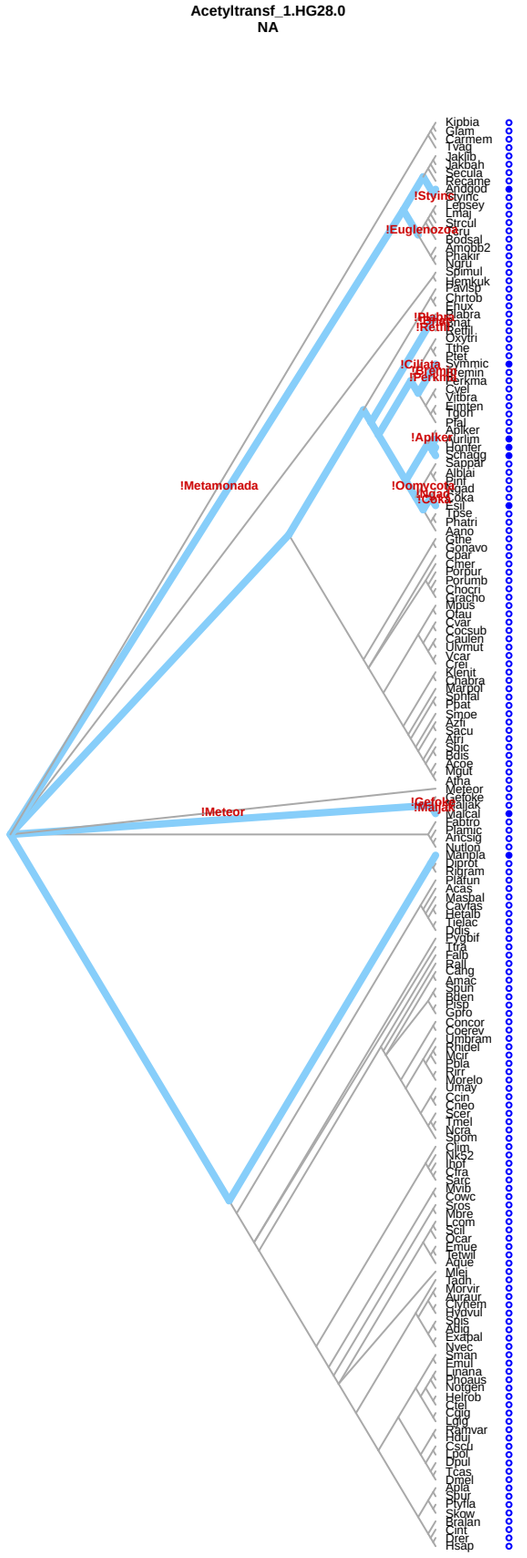


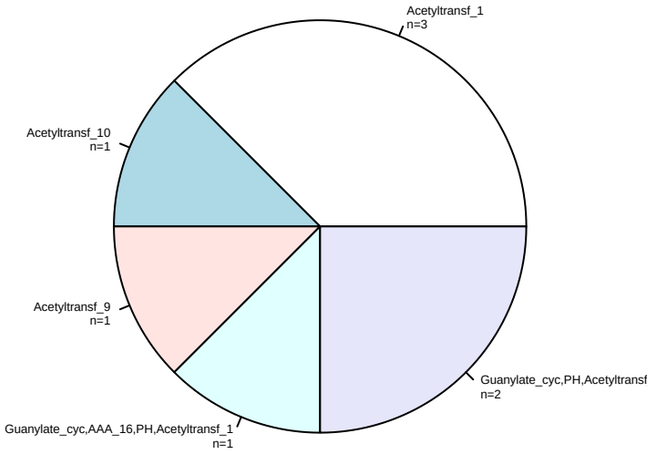


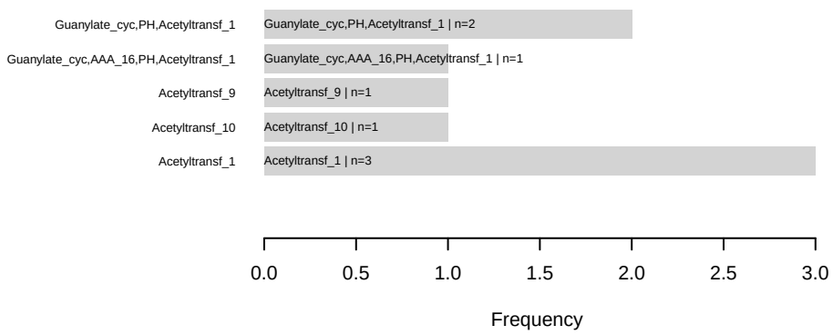
Gain: Pisp,NA
Presence Eukaryota prob = 1.00
Present: 21
Losses: NA



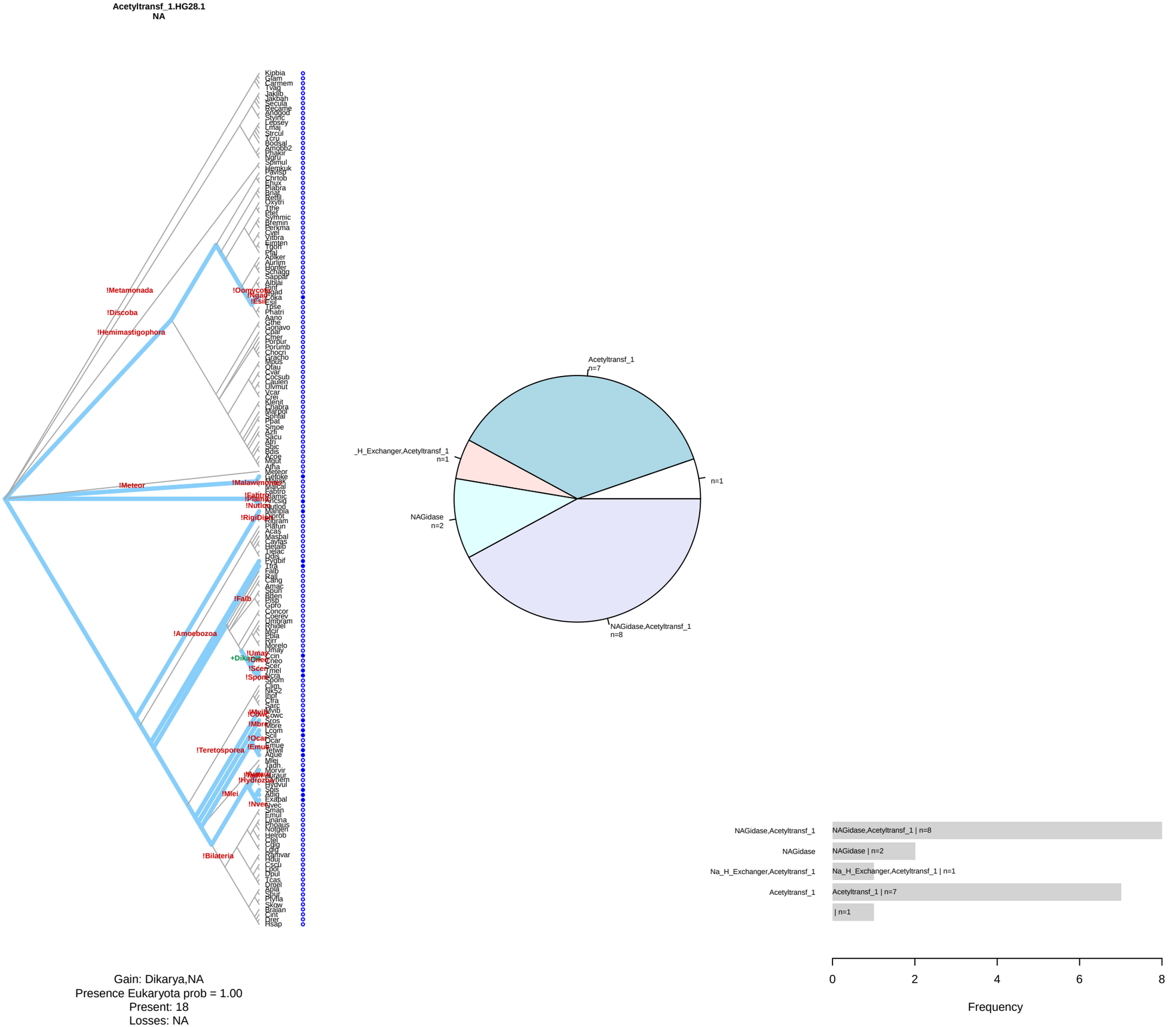
Gain: Tcas,Hetalb,Schagg,NA
Presence Eukaryota prob = 1.00
Present: 28
Losses: NA



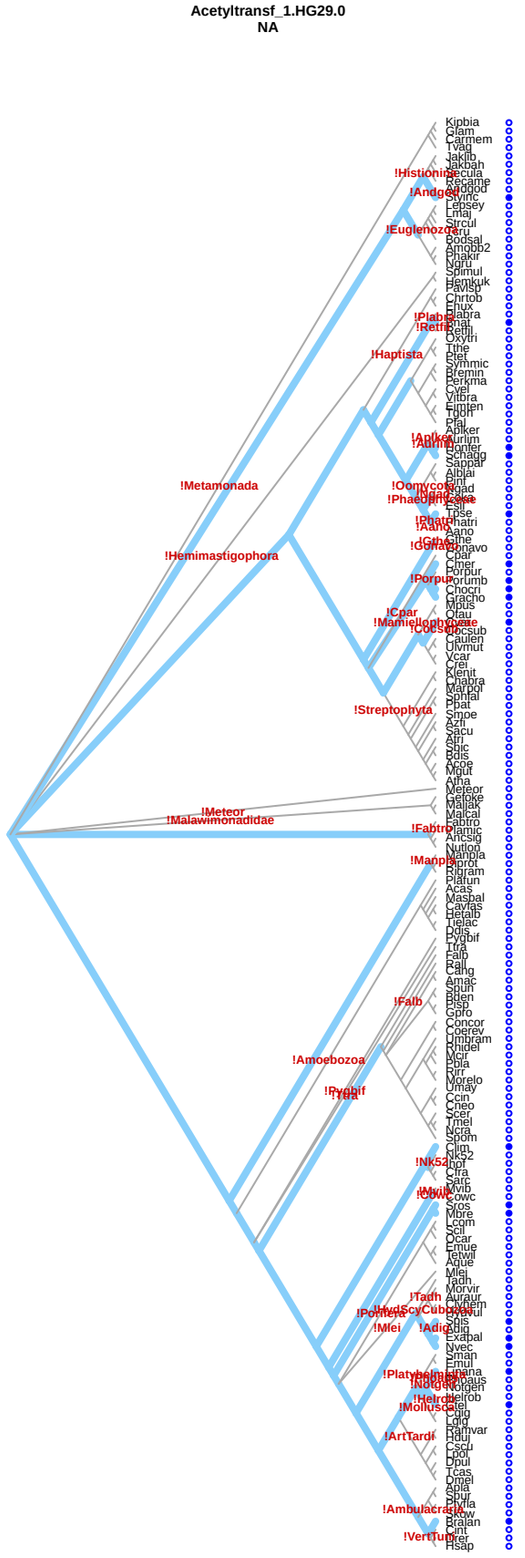


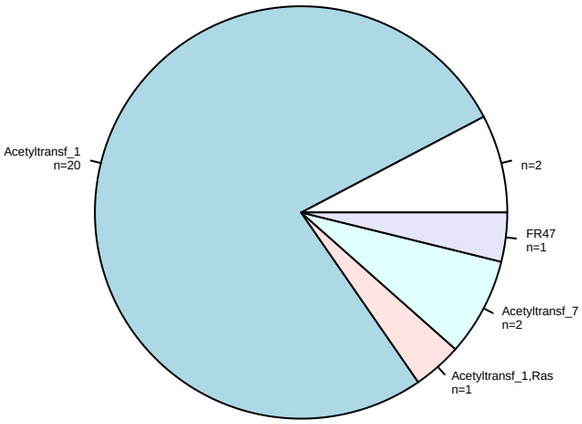


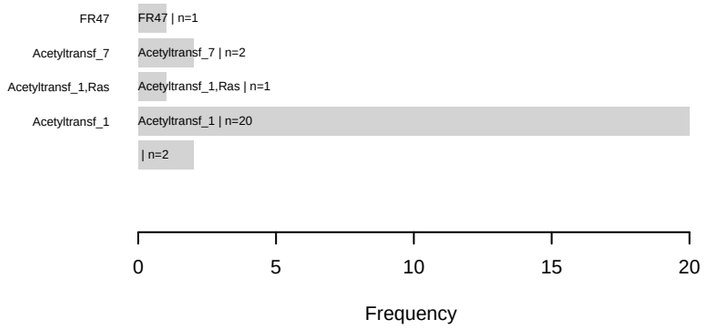
Gain: NA
Presence Eukaryota prob = 0.64
Present: 8
Losses: NA



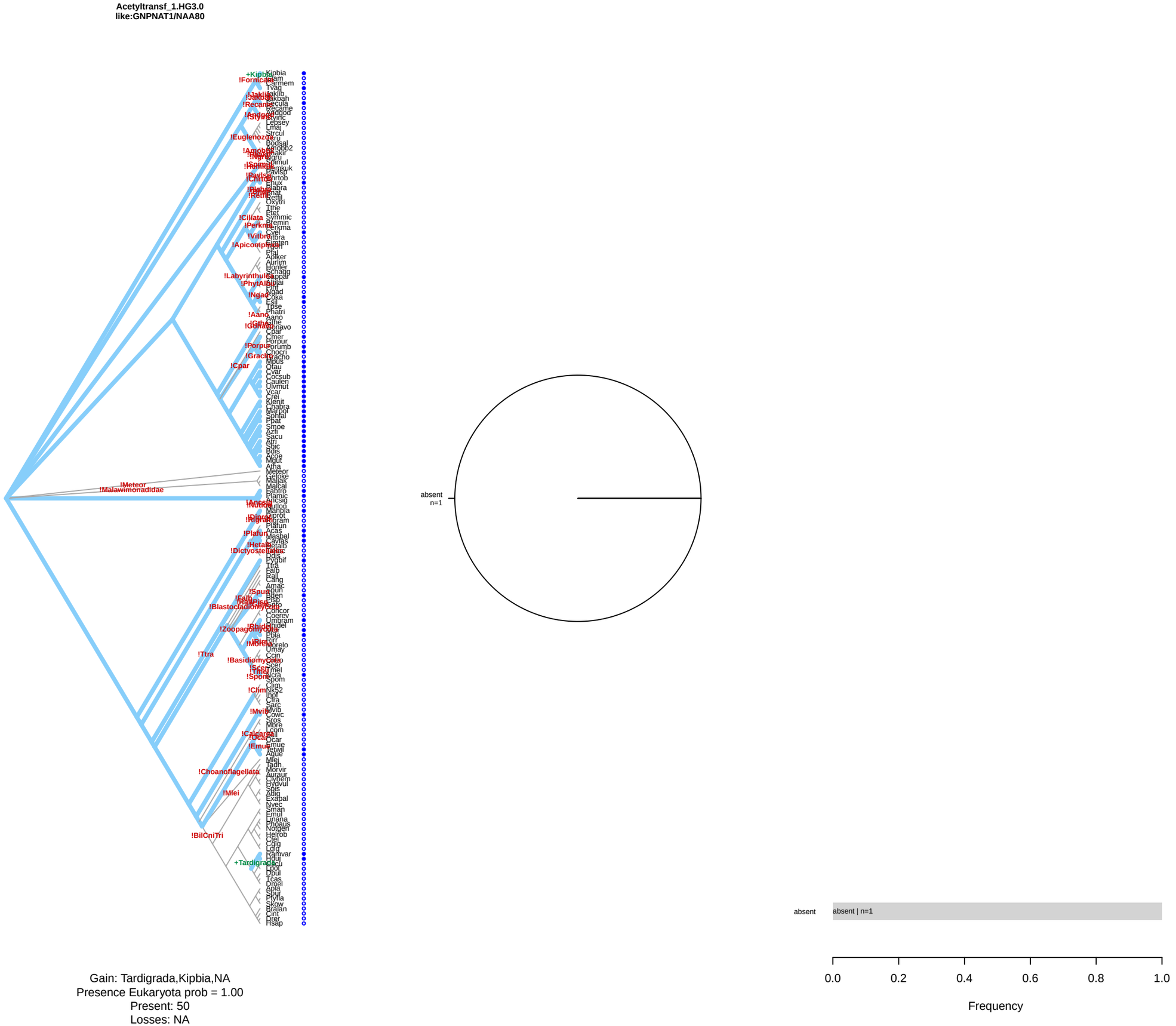
Gain: Dikarya,NA
Presence Eukaryota prob = 1.00
Present: 18
Losses: NA



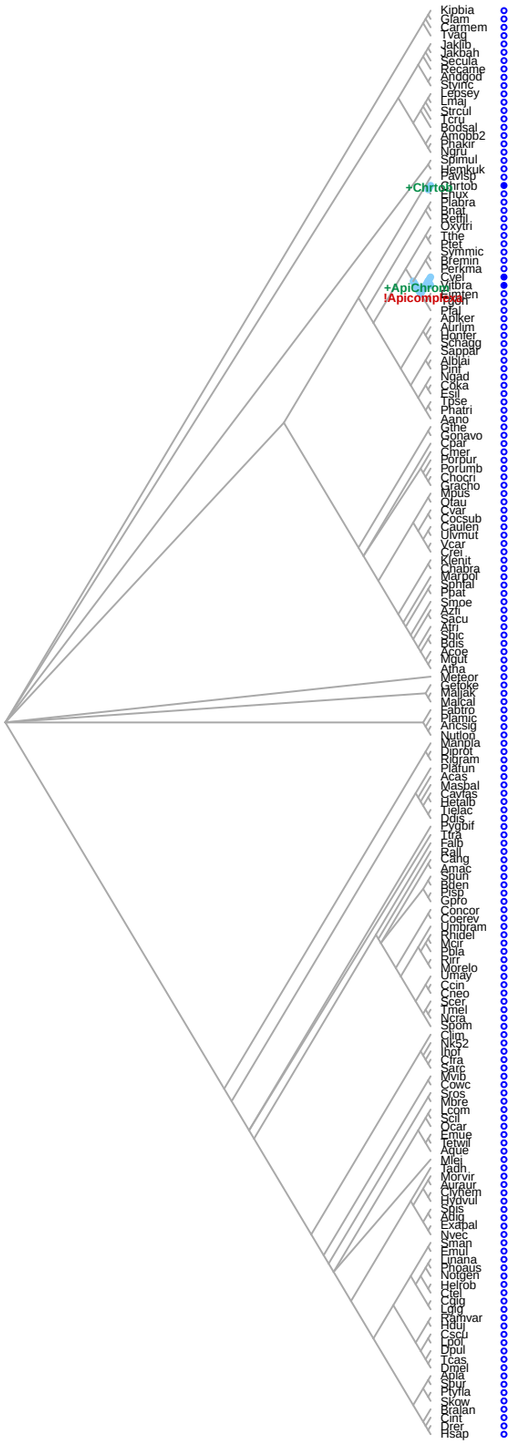


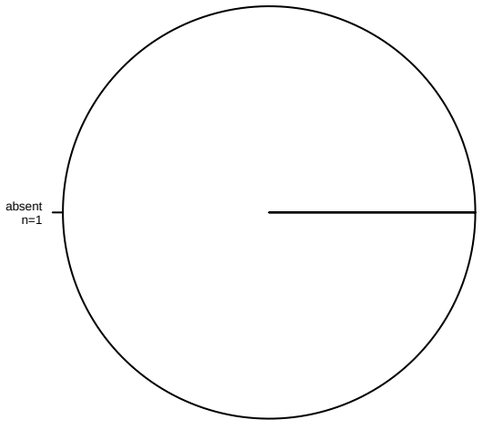


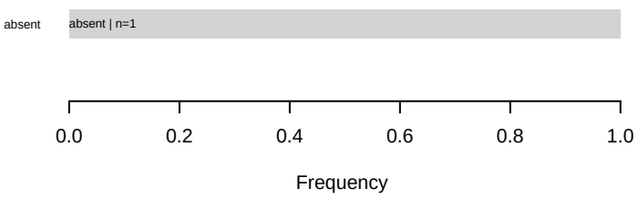
Gain: NA
Presence Eukaryota prob = 0.99
Present: 19
Losses: NA



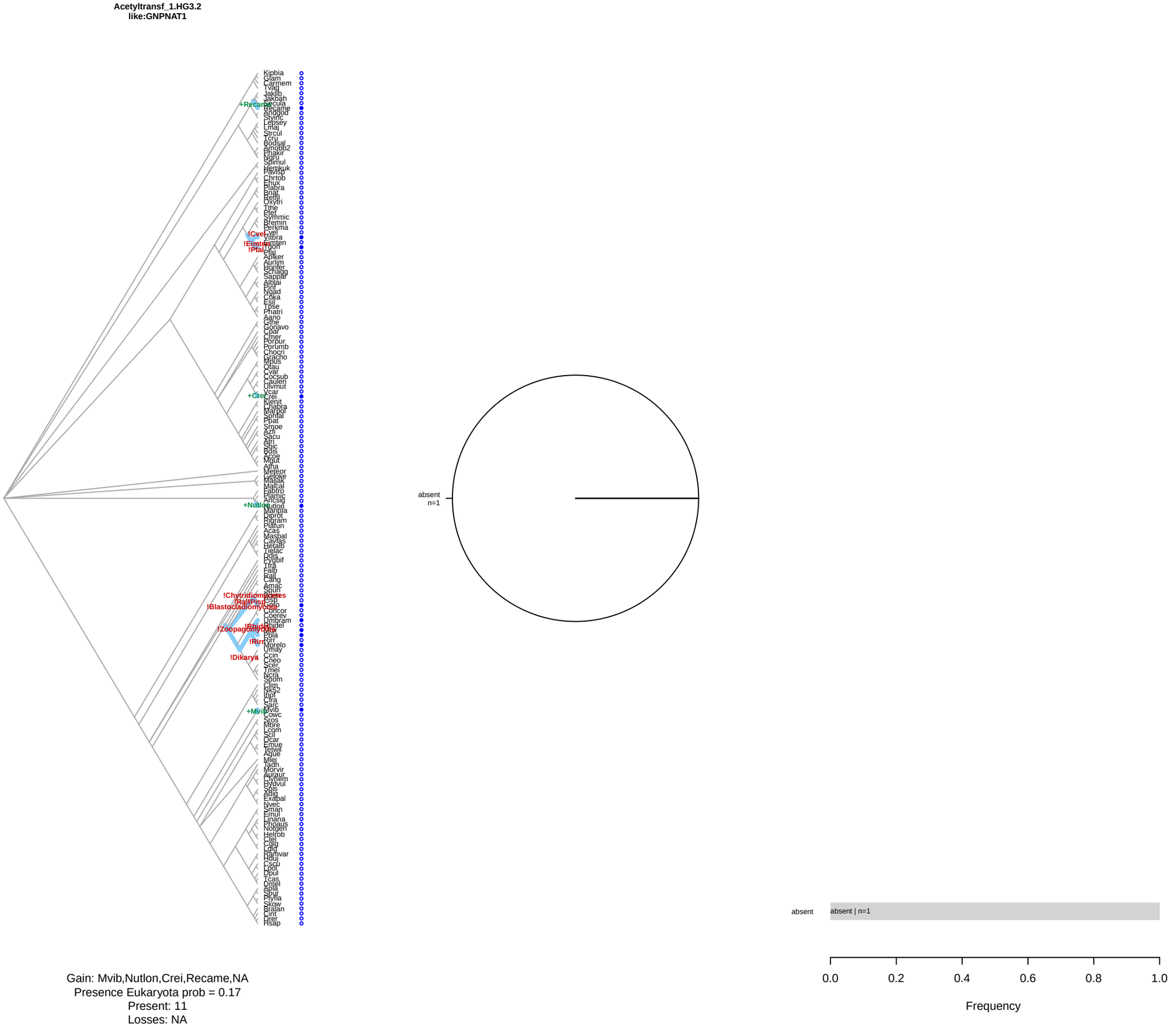
Gain: Tardigrada,Kipbia,NA
Presence Eukaryota prob = 1.00
Present: 50
Losses: NA



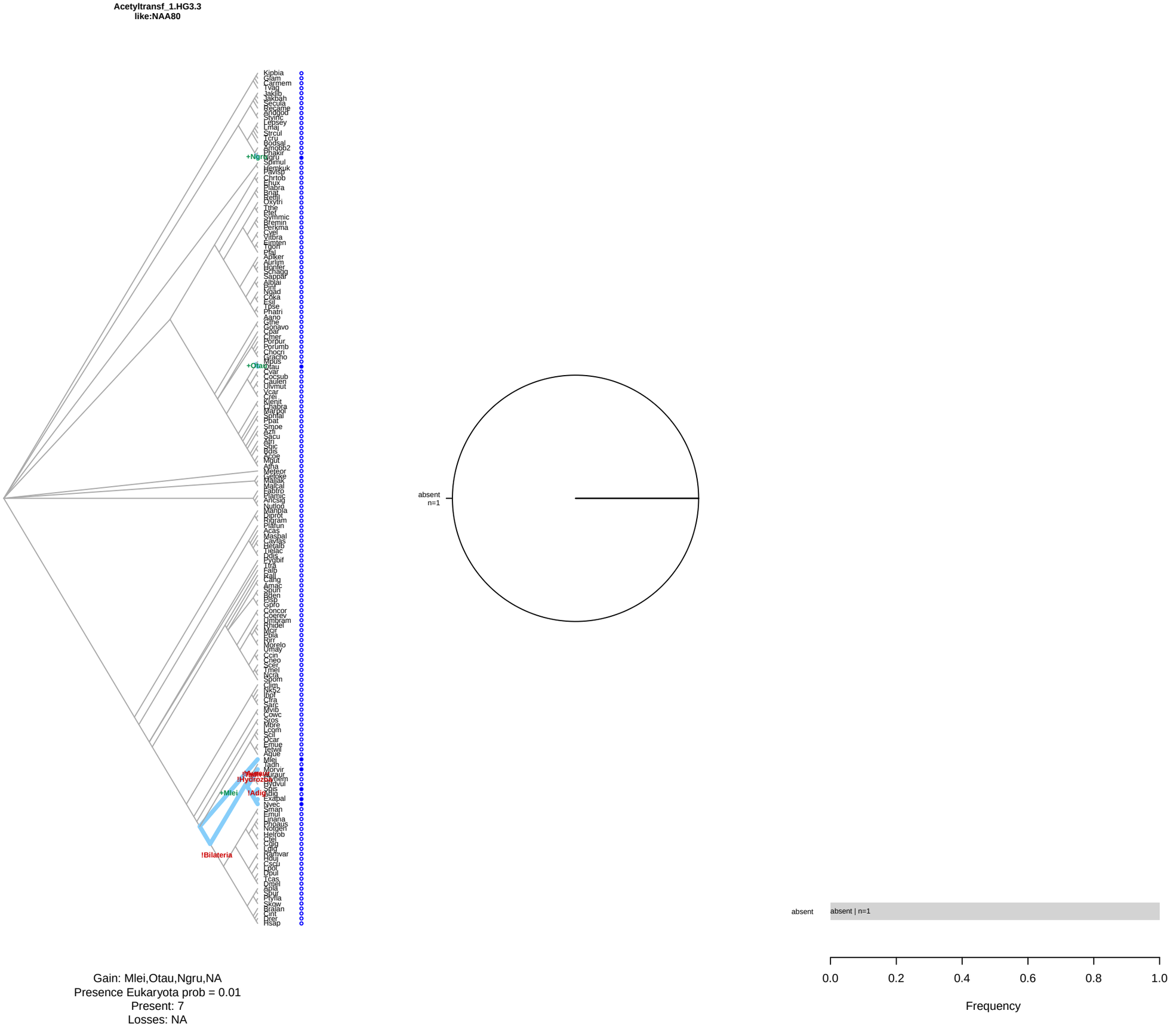




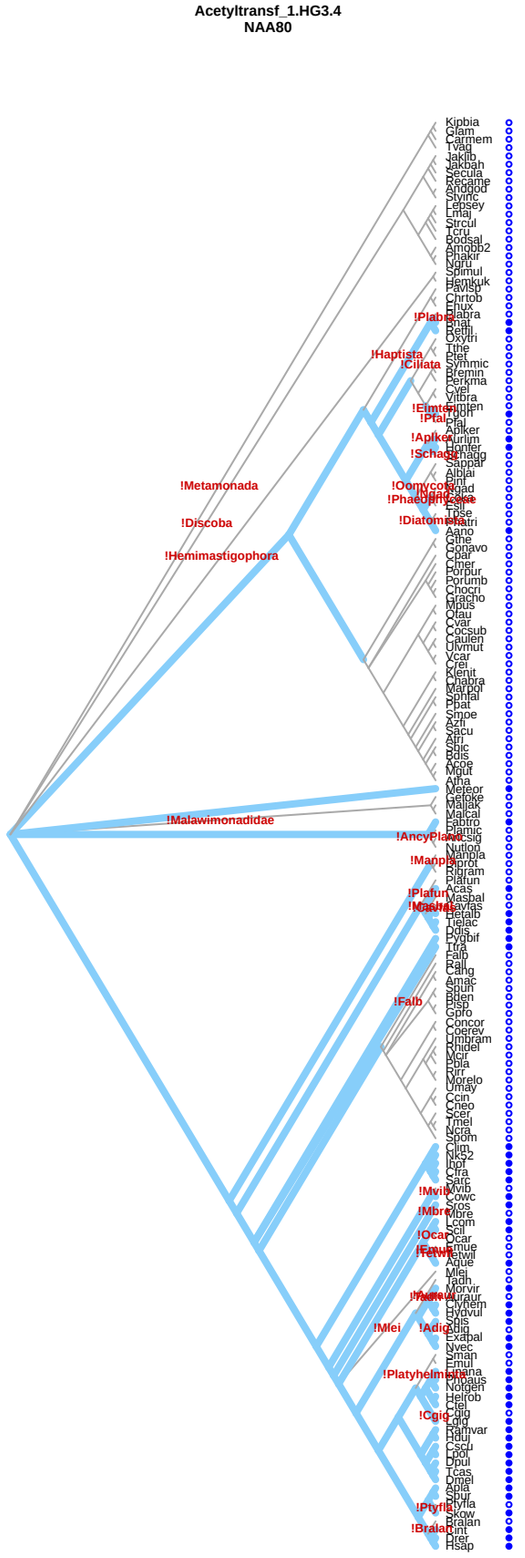
Gain: ApiChrom,Chrtob,NA
Presence Eukaryota prob = 0.03
Present: 3
Losses: NA

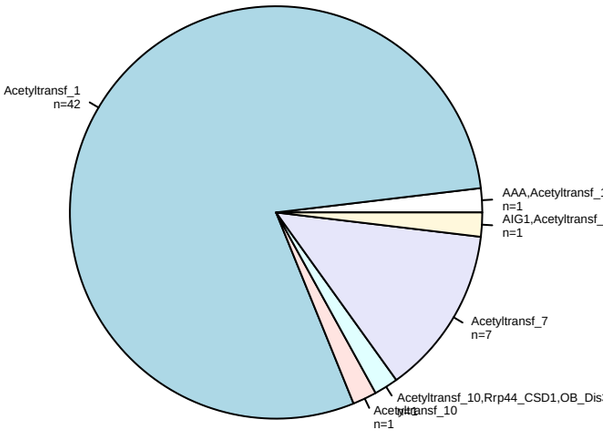


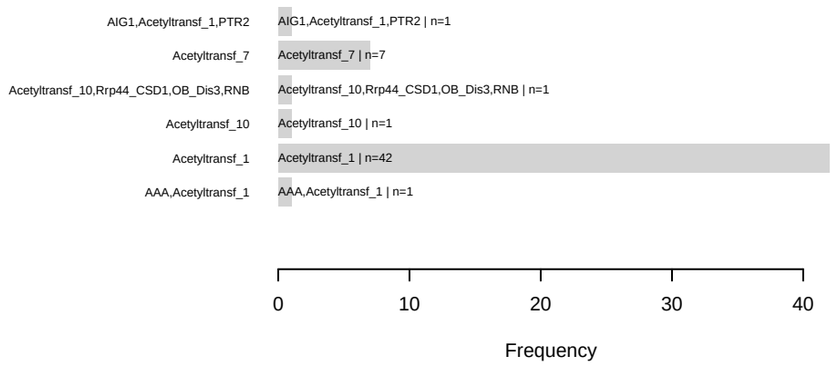
Gain: Mvib,Nutlon,Crei,Recame,NA
Presence Eukaryota prob = 0.17
Present: 11
Losses: NA



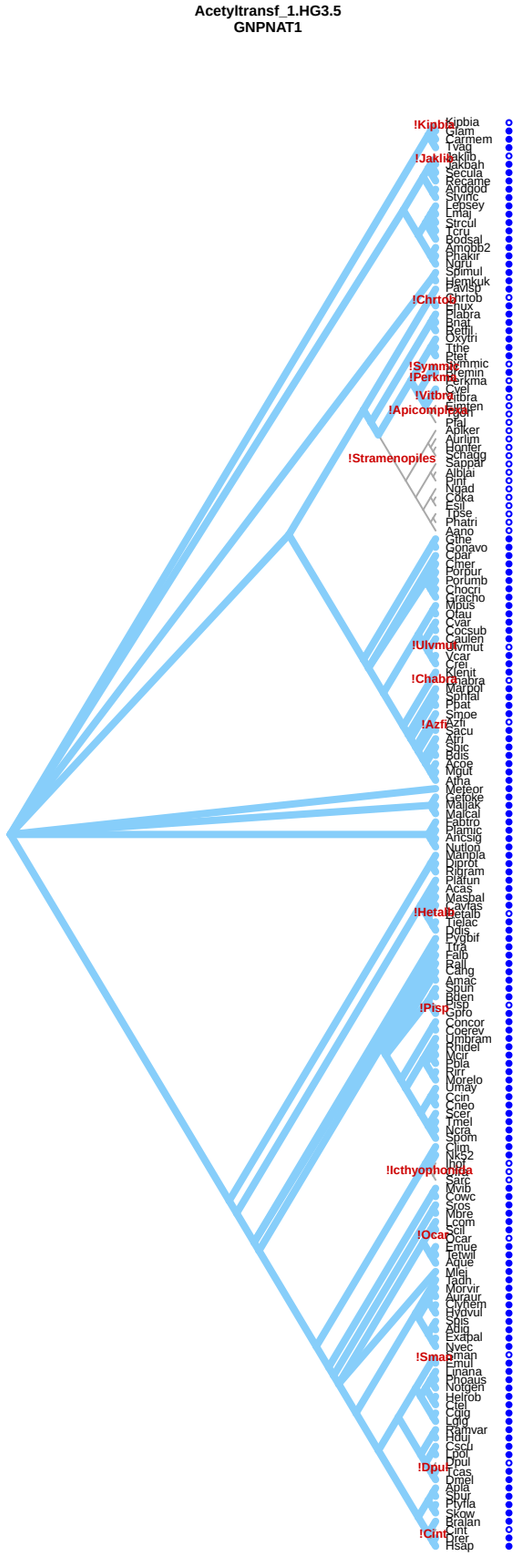
Gain: Mlei,Otau,Ngru,NA
Presence Eukaryota prob = 0.01
Present: 7
Losses: NA



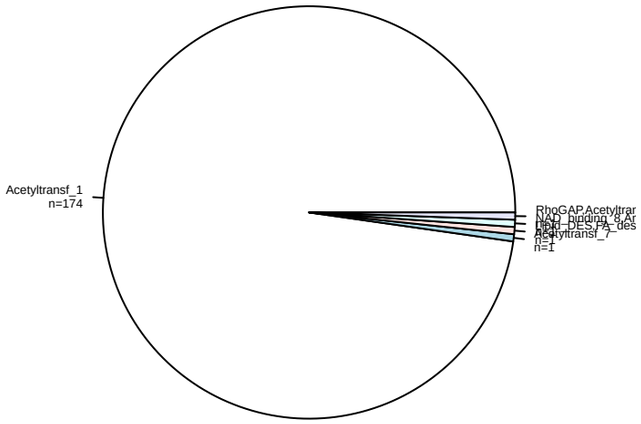


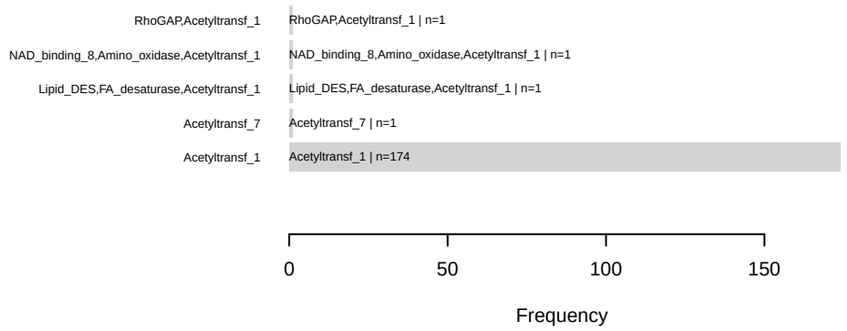


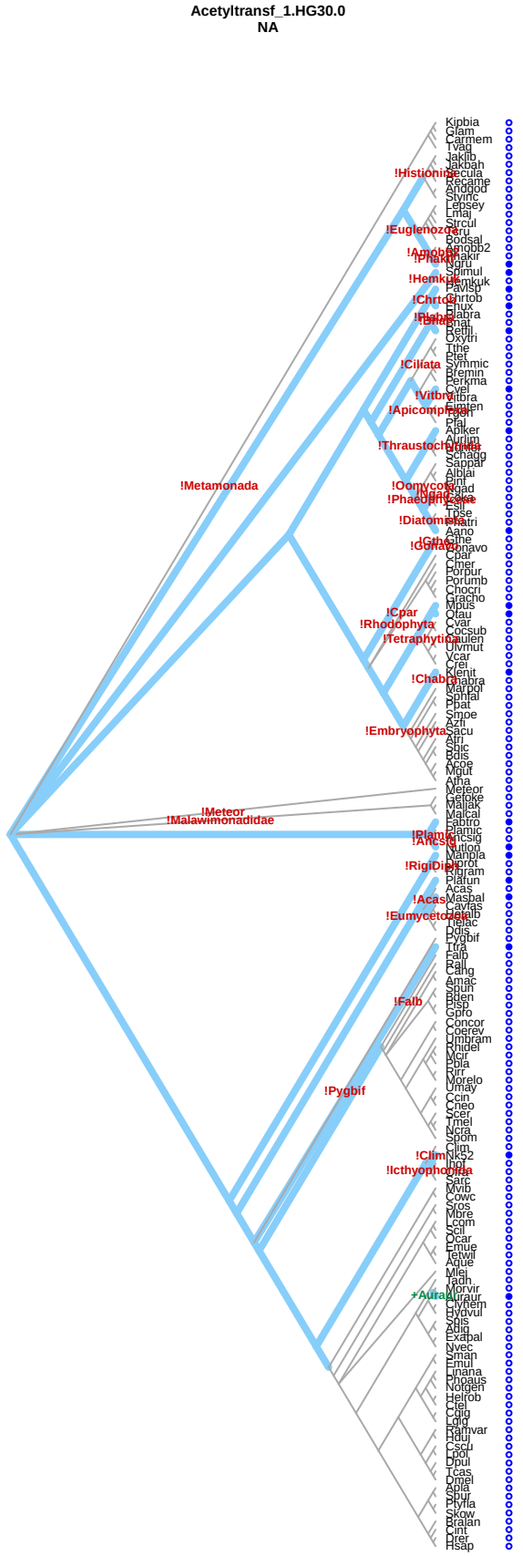
Gain: NA
Presence Eukaryota prob = 1.00
Present: 49
Losses: NA

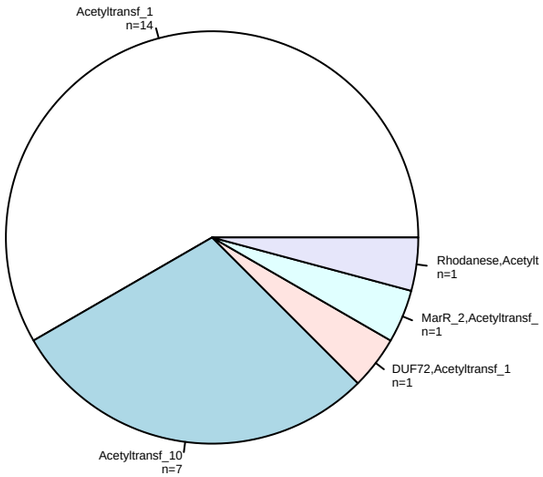


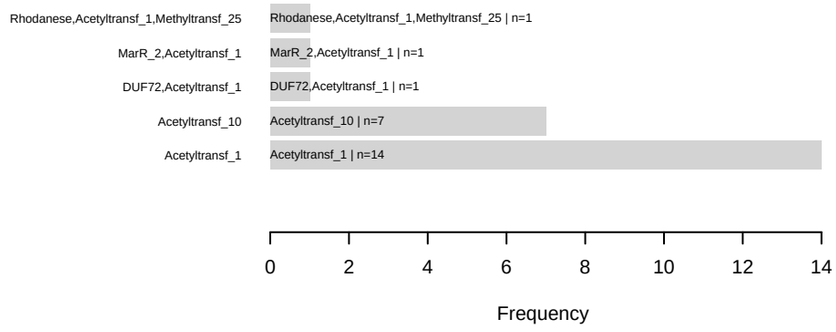
Gain: NA
Presence Eukaryota prob = 1.00
Present: 138
Losses: NA



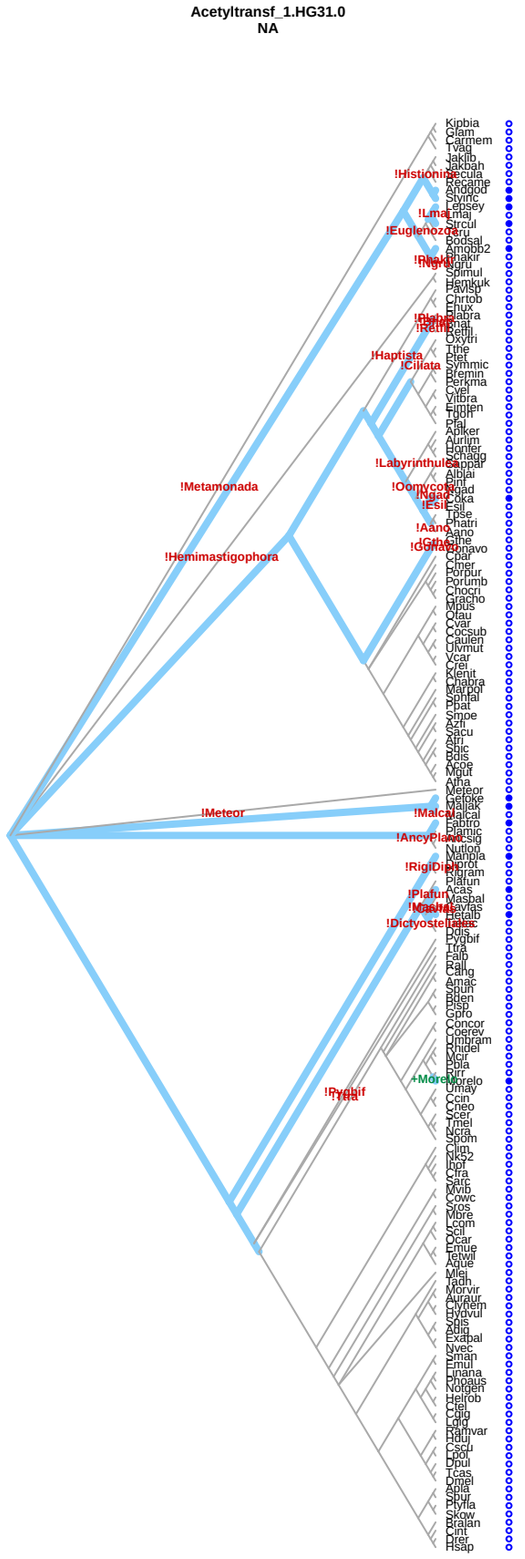


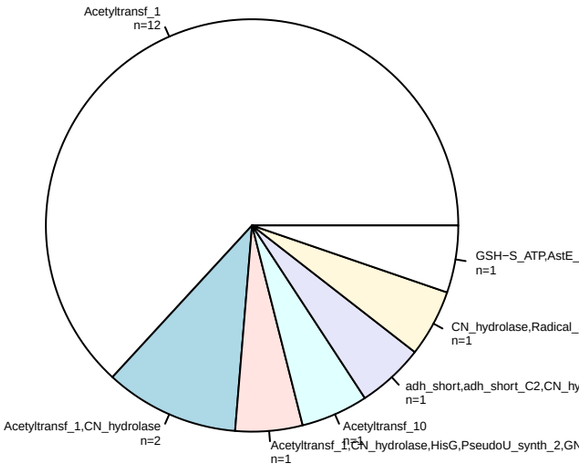


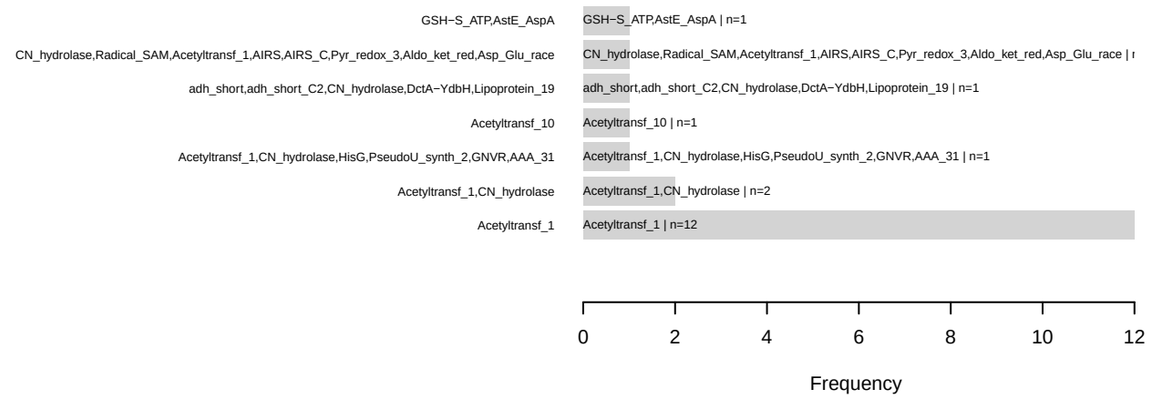




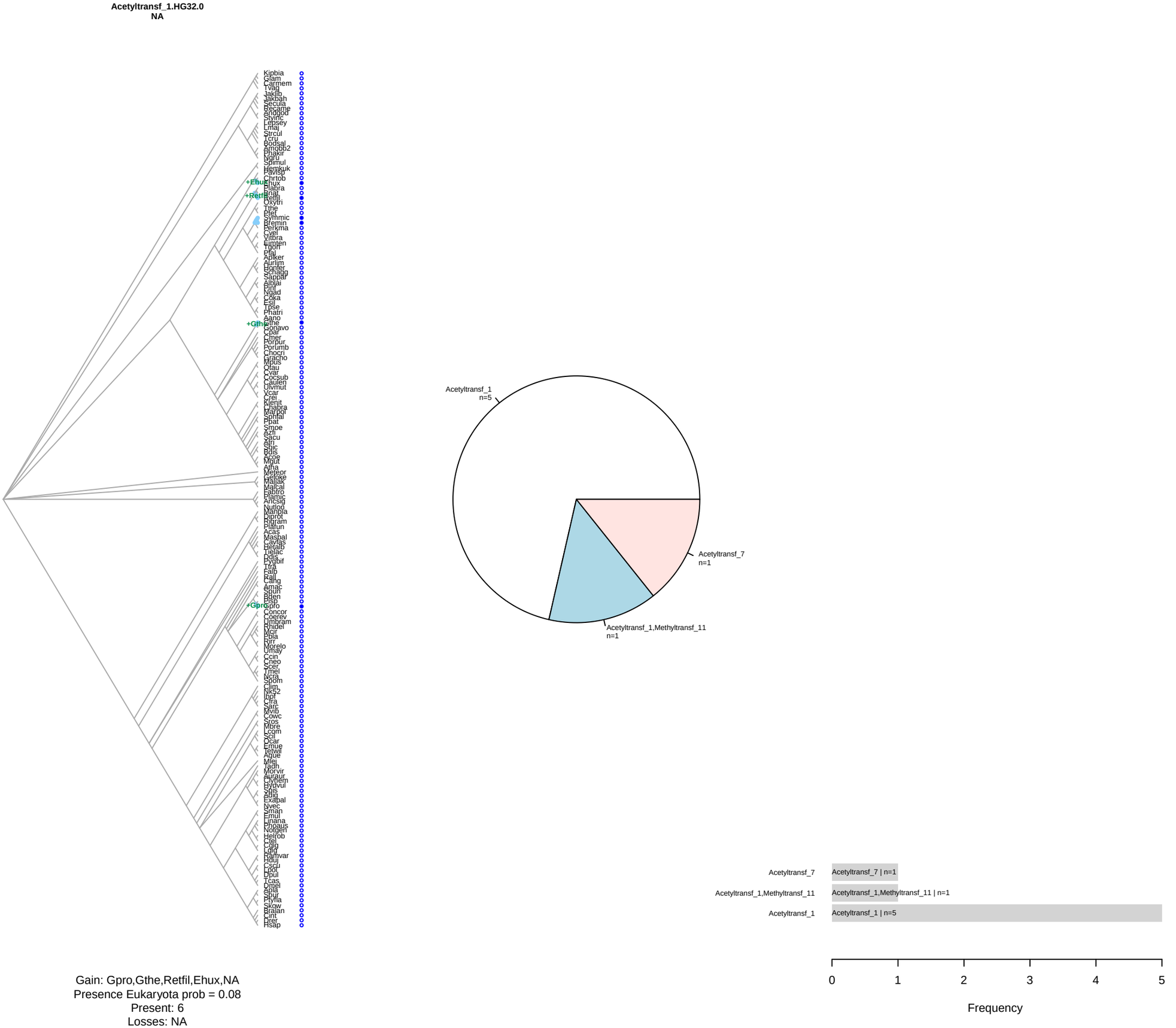
Gain: Auraur,NA
Presence Eukaryota prob = 1.00
Present: 19
Losses: NA



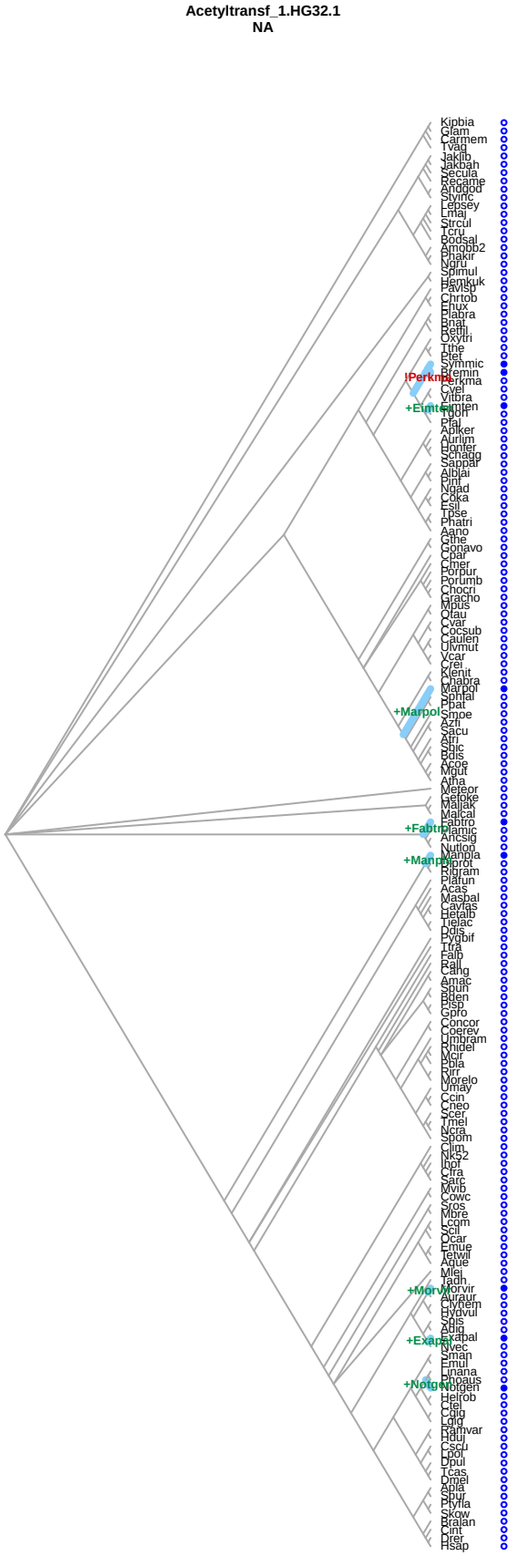


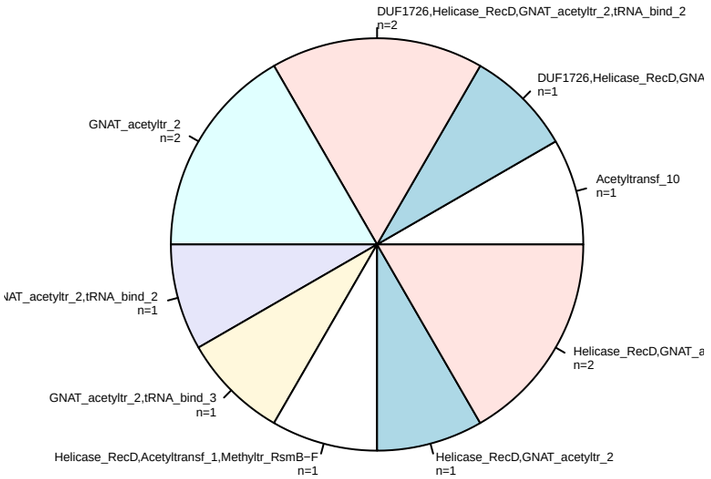


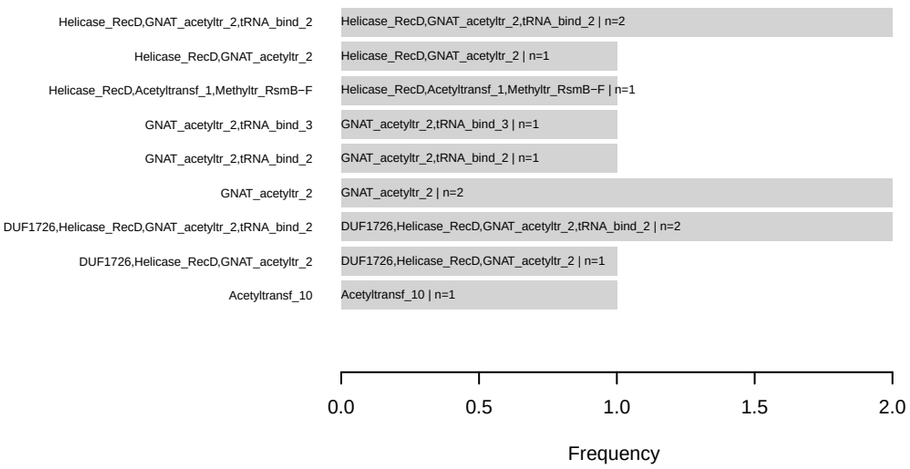
Gain: Morelo,NA
Presence Eukaryota prob = 1.00
Present: 13
Losses: NA



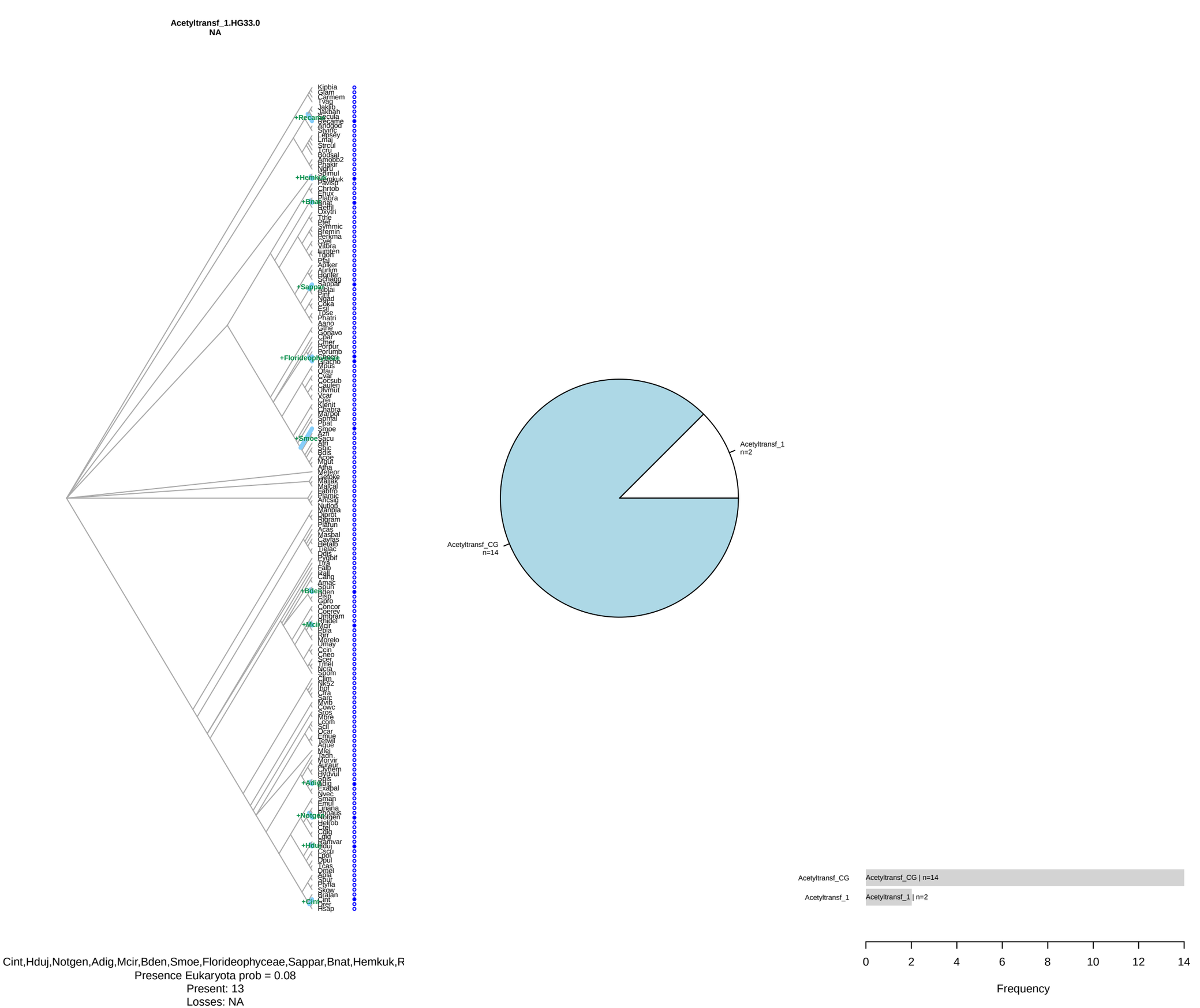
Gain: Gpro,Gthe,Retfil,Ehux,NA
Presence Eukaryota prob = 0.08
Present: 6
Losses: NA



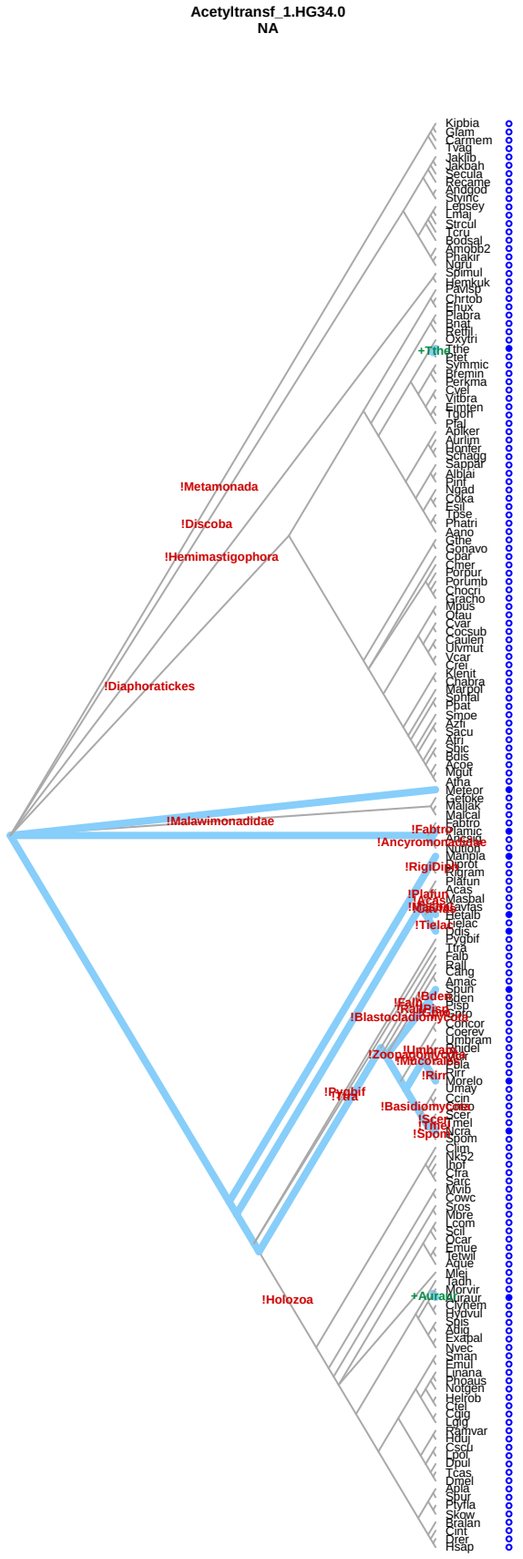


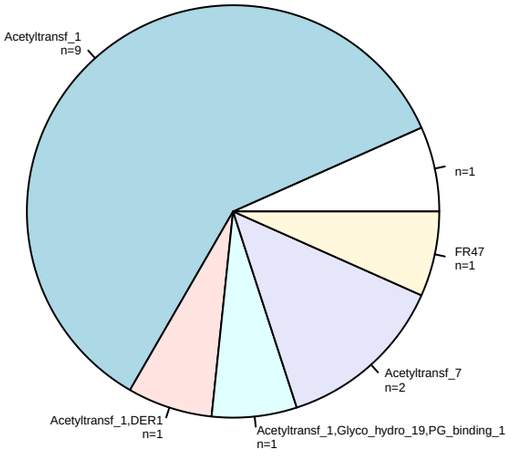


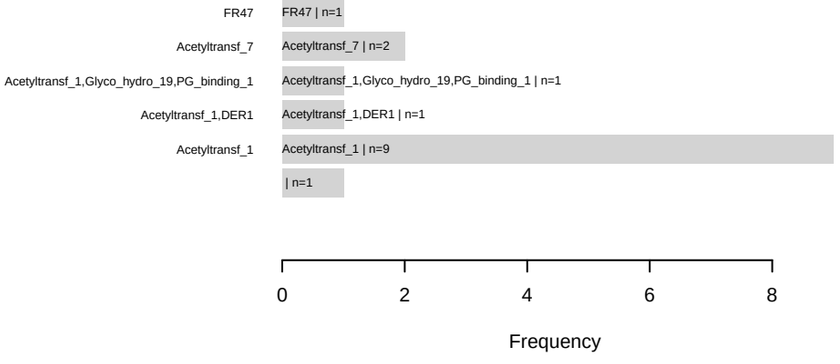
Gain: Notgen,Exapal,Morvir,Manpla,Fabtro,Marpol,Eimten,NA
Presence Eukaryota prob = 0.37
Present: 9
Losses: NA



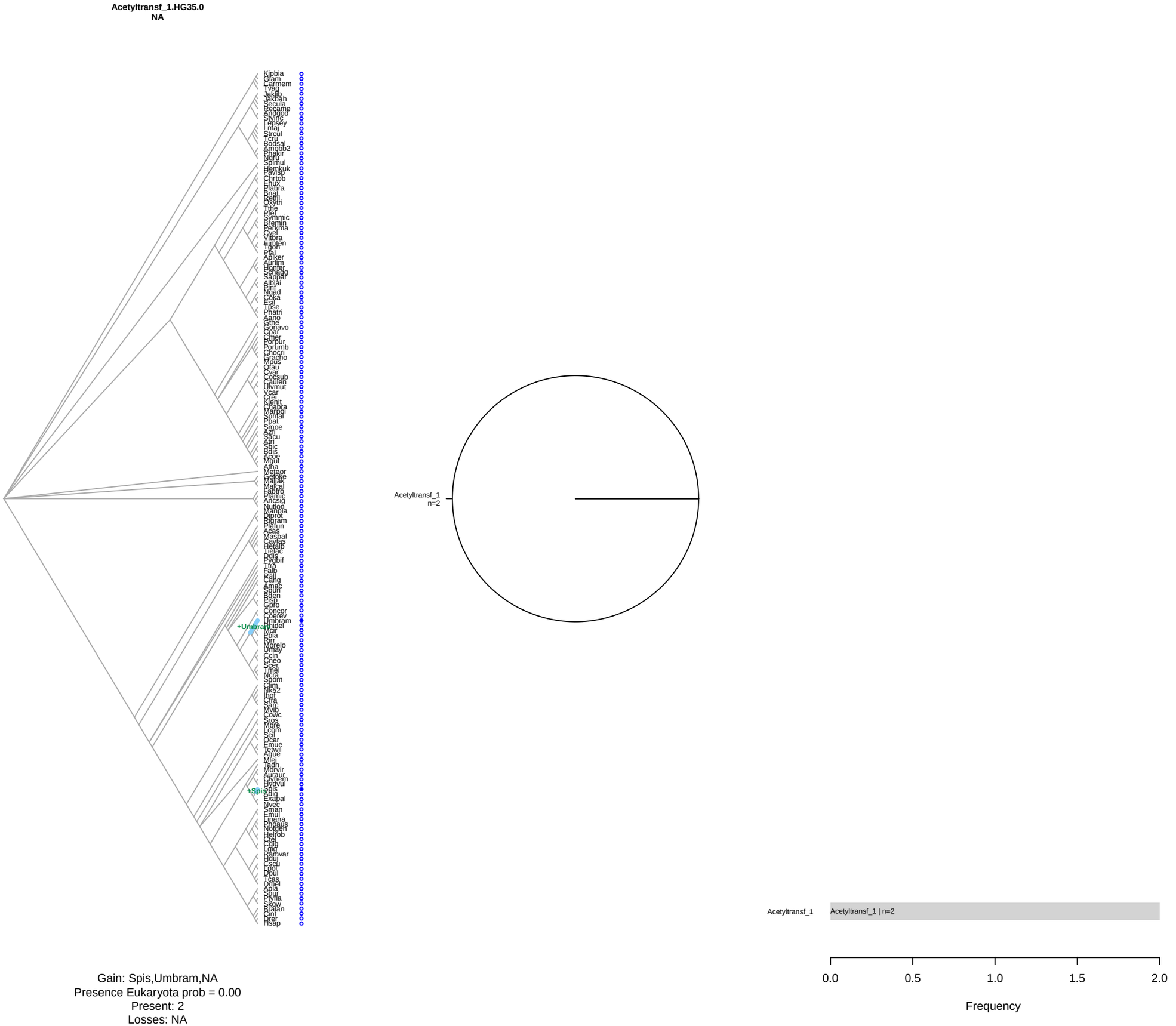
Cint,Hduj,Notgen,Adig,Mcir,Bden,Smoe,Florideophyceae,Sappar,Bnat,Hemkuk,R
Presence Eukaryota prob = 0.08
Present: 13
Losses: NA

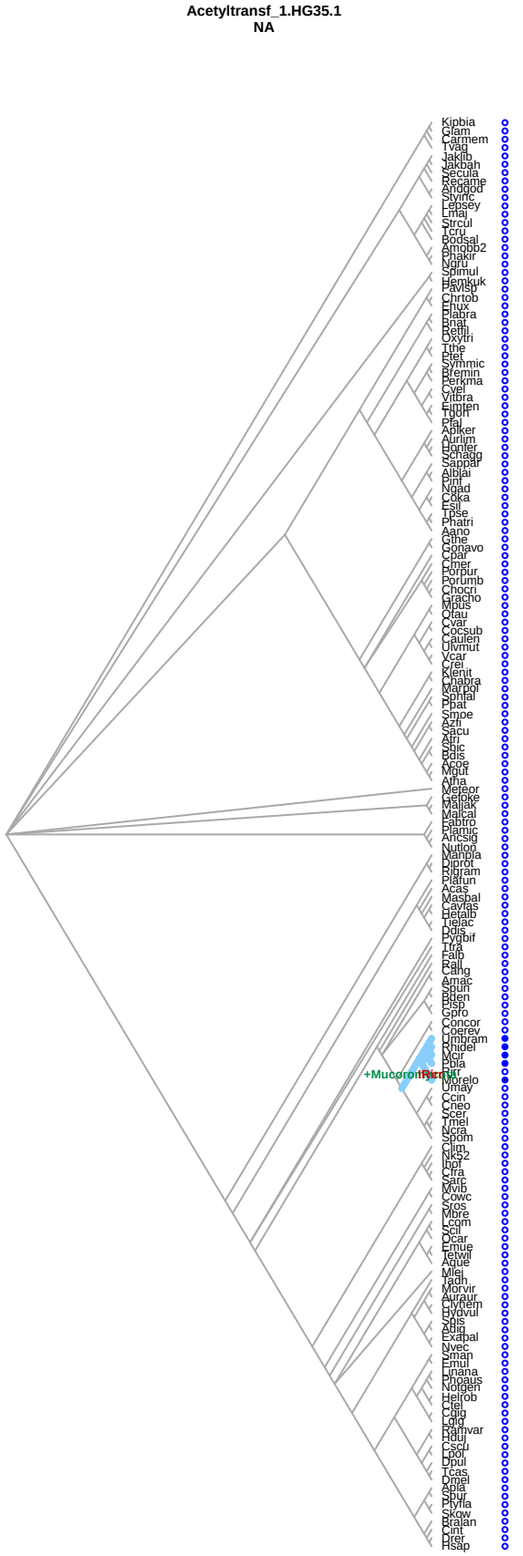


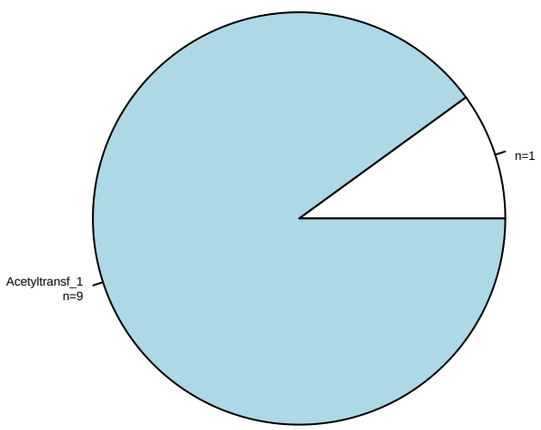


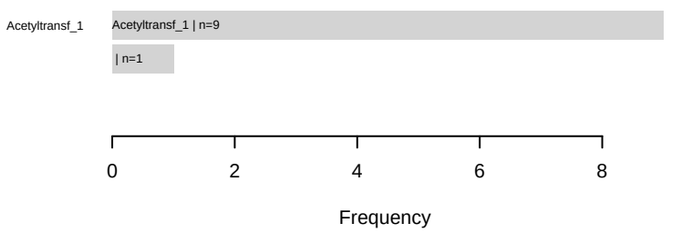


Gain: Auraur,Tthe,NA
Presence Eukaryota prob = 1.00
Present: 10
Losses: NA

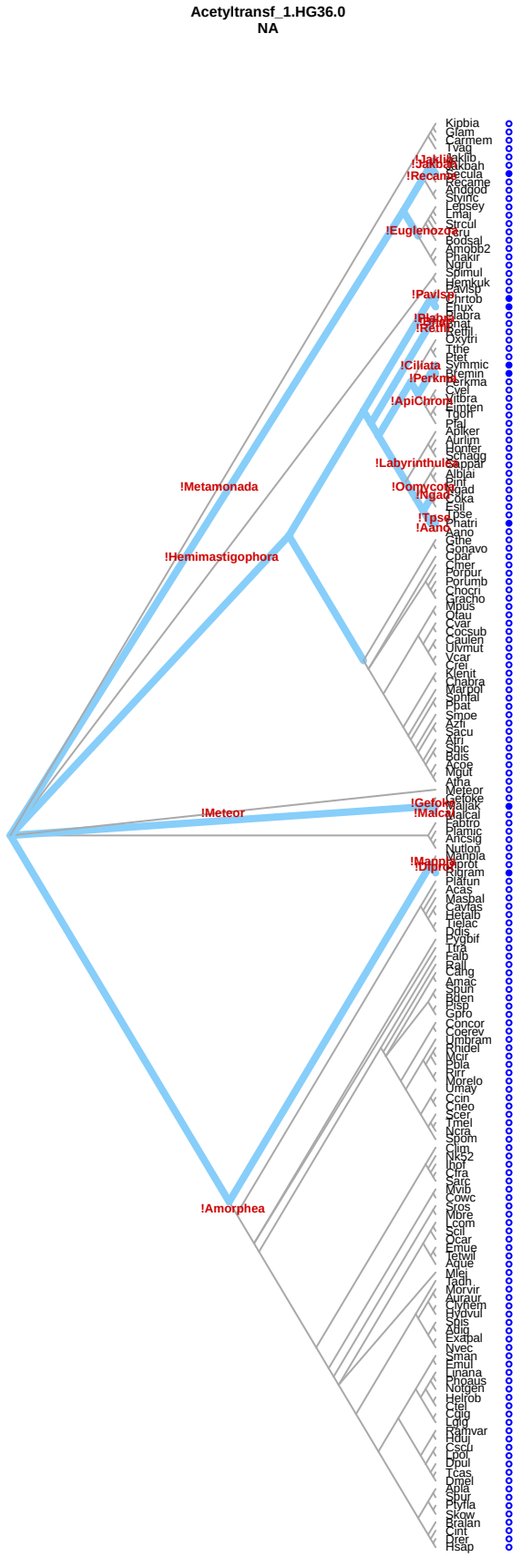

Acetyltransf_1.HG35.0
NA
Kipbia
Glam
Carmem
Tvag
Jaklib
Jakbah
Secula
Aacame
Smajor
Styinc
Lepsey
Lmaj
Strcul
Acru
Bodsal
Amobb2
Phakir
Ngru
Spimul
Hsmkuk
Pavisp
Chrtob
Ehux
Plabra
Bnat
Rettli
Oxytri
Tthe
Ptet
Symmic
Btremin
Perkma
Cvel
Vitbra
Eimlen
Tgon
Pfal
Adiker
Aurlim
Hontet
Schagg
Sappar
Atbjai
Pinf
Ngad
Coka
Esil
Tbse
Phatri
Aano
Gthe
Gonavo
Cbar
Cmer
Porbur
Porumb
Chocri
Gracho
Mpus
Otau
Cvar
Cocsub
Cauten
Ulvmut
Vcar
Crei
Klenit
Cmabra
Marpol
Sphfal
Pbat
Smoe
Azfi
Sacu
Afri
Sbic
Bdis
Acoe
Mgut
Atha
Meteor
Aetake
Maiak
Maical
Fabiro
Planic
Aincsig
Nutlon
Manpla
Diprot
Rtgram
Platun
Acas
Masbal
Cavas
Hetalb
Telac
Dotis
Pygbif
Tpra
Falb
Ball
Calhg
Amac
Sjun
Biden
Psep
Gpro
Concor
Coerev
Umbram
Phidel
Mcir
Pbla
Rirr
Morelo
Umay
Ccin
Cneo
Scer
Tmel
Ncra
Spom
Clim
Klla2
Ihof
Ctra
Sarc
Mvib
Cowc
Sros
Mbre
Lcom
Scil
Ocar
Emue
Tetwil
Adue
Mlei
Tadh
Morvir
Auraur
Ctyrhem
Hydvul
Spis
Pdig
Exabal
Nvec
Sman
Emul
Tnana
Phoaus
Notgen
Helrob
Ctel
Calb
Calg
Ramvar
Hdiu
Cscu
Lpol
Dpul
Tcas
Dmel
Apla
Sbur
Ptyfla
Skow
Bralan
Cint
Drer
Hsap
+Umbram
+Spis
Acetyltransf_1
n=2
Acetyltransf_1
Acetyltransf_1 | n=2
0.0
0.5
1.0
1.5
2.0
Frequency
Gain: Spis,Umbram,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

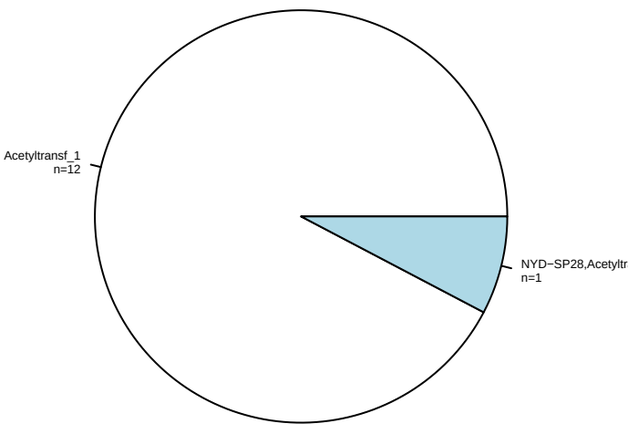


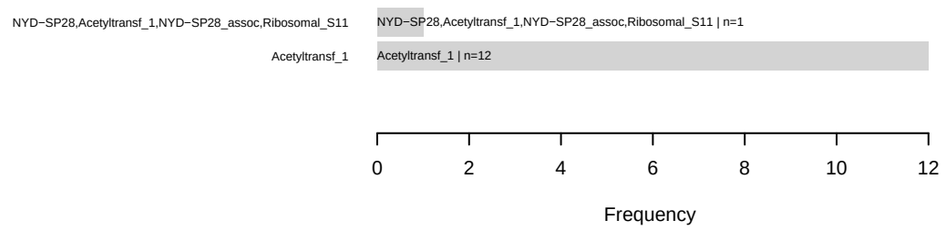




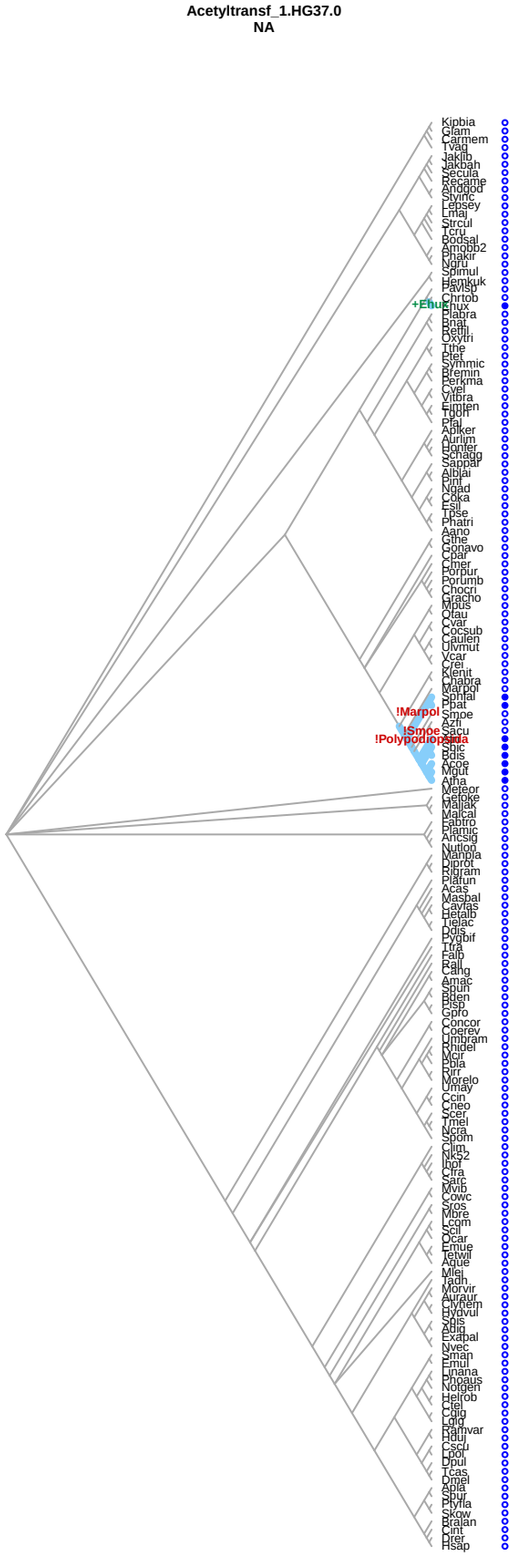
Gain: Mucoromycota,NA
Presence Eukaryota prob = 0.00
Present: 5
Losses: NA

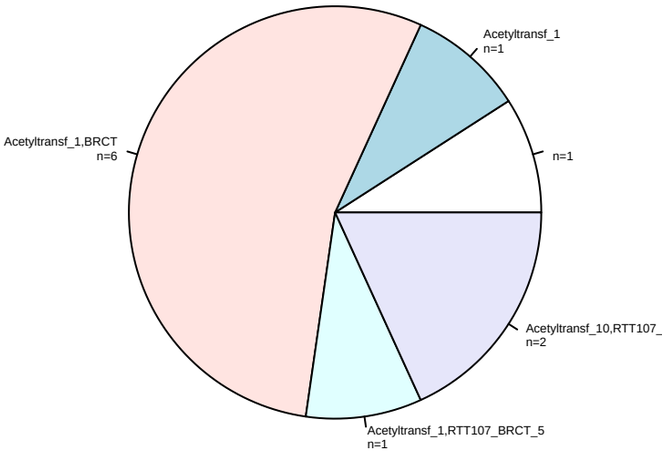


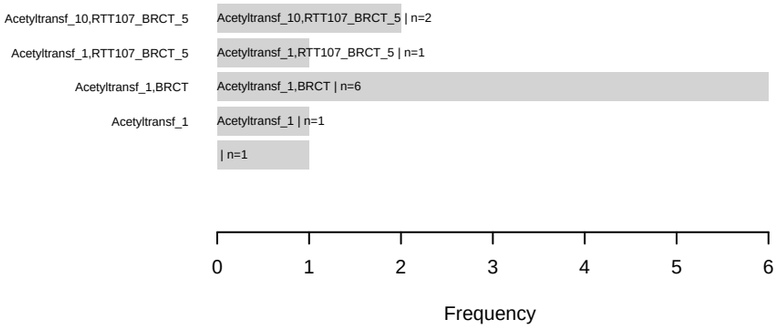




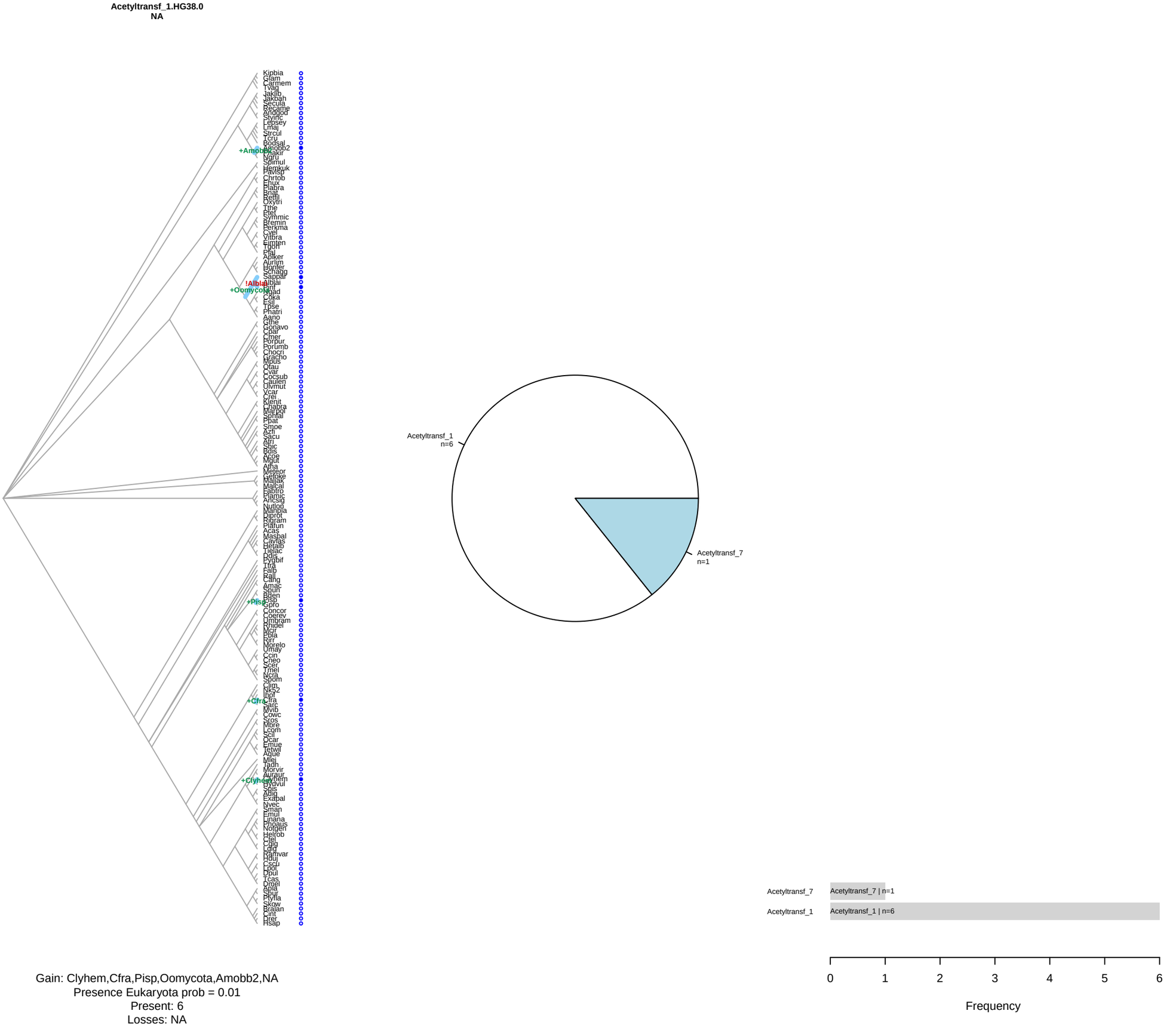
Gain: NA
Presence Eukaryota prob = 0.84
Present: 8
Losses: NA



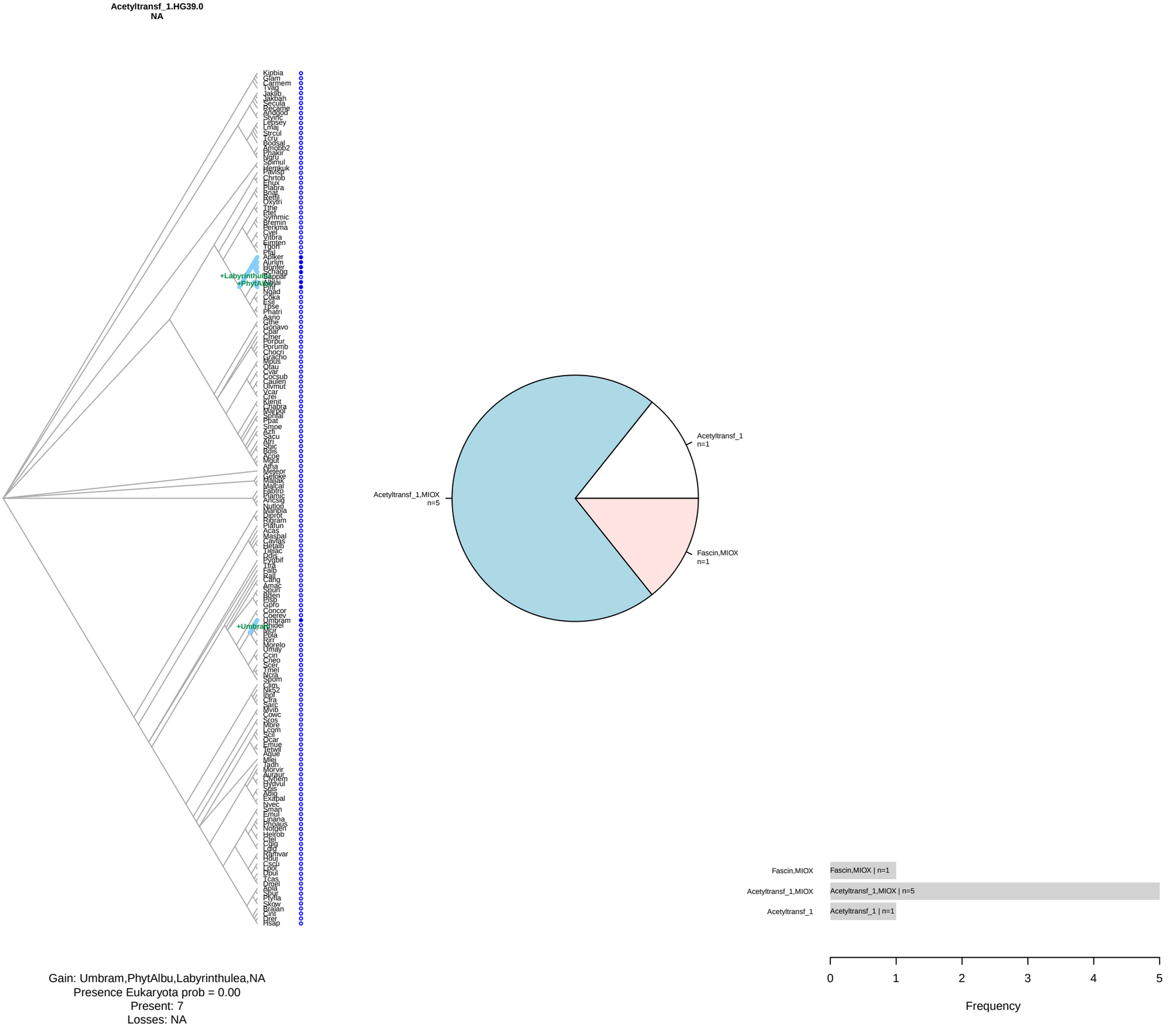




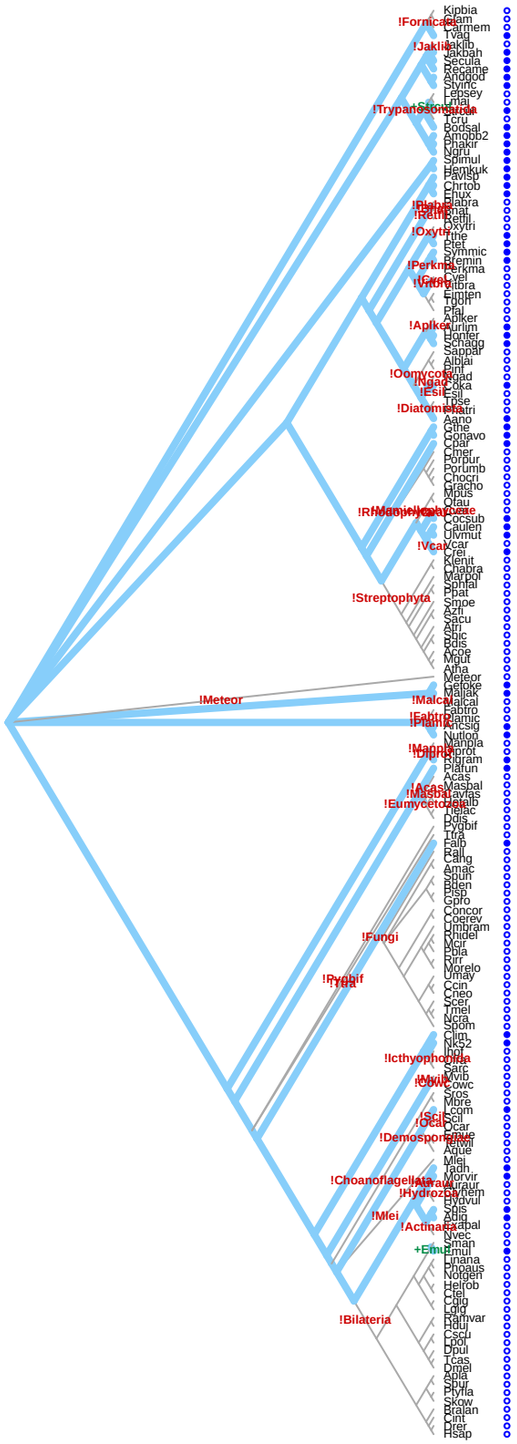
Gain: Ehux,NA
Presence Eukaryota prob = 0.00
Present: 9
Losses: NA

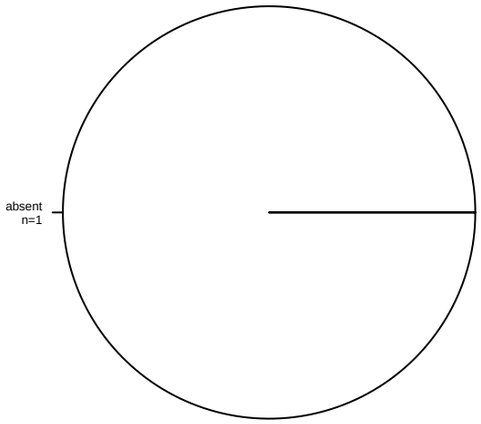


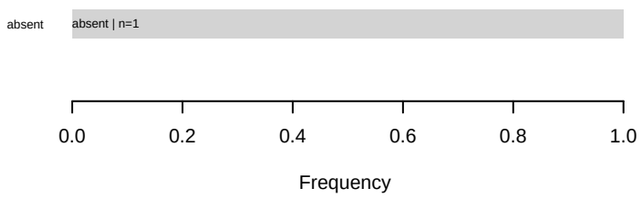
Gain: Clyhem,Cfra,Pisp,Oomycota,Amobb2,NA
Presence Eukaryota prob = 0.01
Present: 6
Losses: NA


AcetyltransF_1.HG39.0
NA
+Labyrinthulea
+PhytAlbu
+Umbram
Acetyltransf_1
n=1
Acetyltransf_1,MIOX
n=5
Fascin,MIOX
n=1
Fascin,MIOX
Fascin,MIOX | n=1
Acetyltransf_1,MIOX
Acetyltransf_1,MIOX | n=5
Acetyltransf_1
Acetyltransf_1 | n=1
0
1
2
3
4
5
Frequency
Gain: Umbram,PhytAlbu,Labyrinthulea,NA
Presence Eukaryota prob = 0.00
Present: 7
Losses: NA

Acetyltransf_1.HG4.0
like:SAT1/SAT2/SATL1

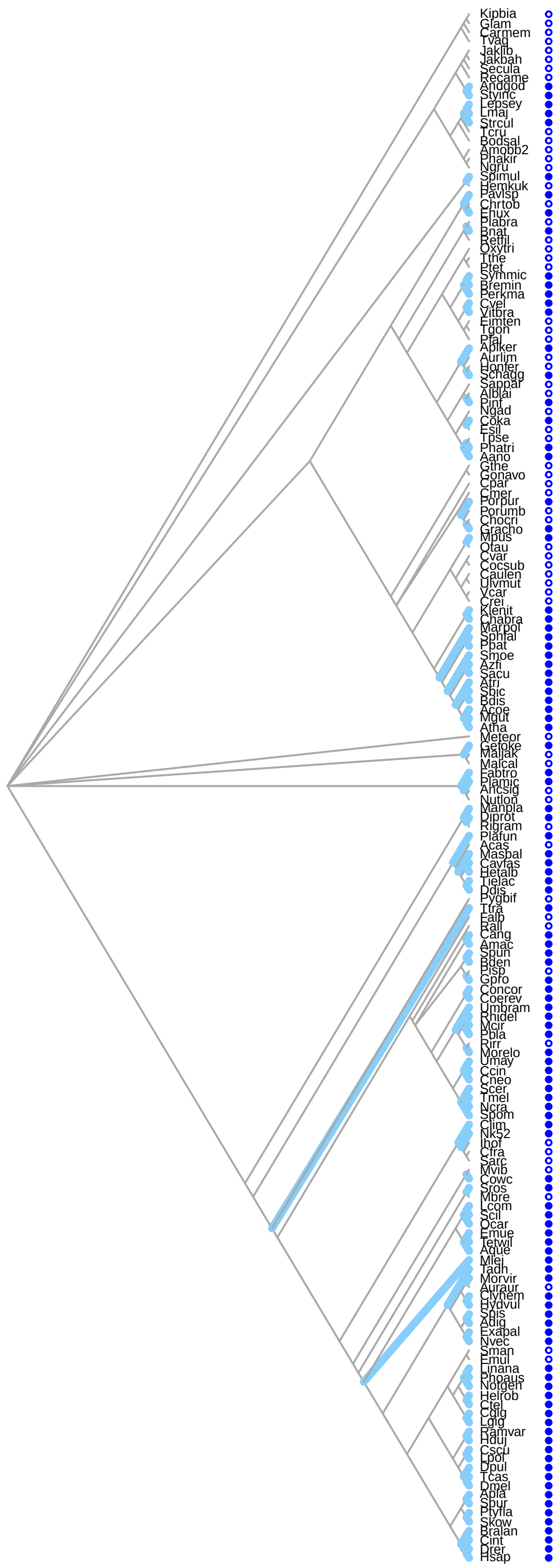






Gain: Emul,Strcul,NA
Presence Eukaryota prob = 1.00
Present: 47
Losses: NA

Acetyltransf_1.HG4.1
SAT1/SAT2/SATL1

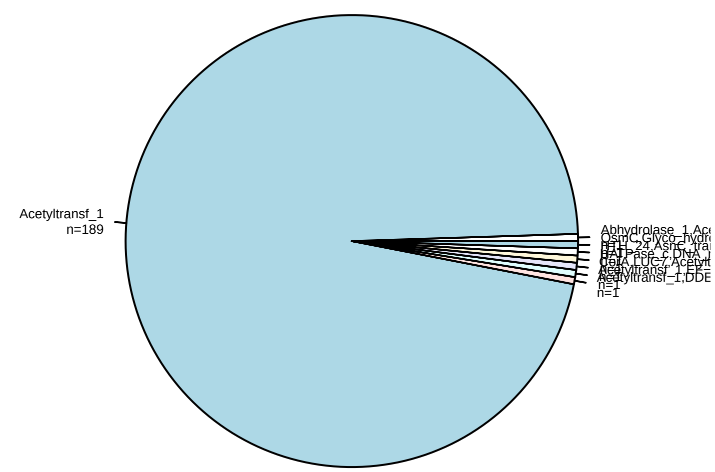


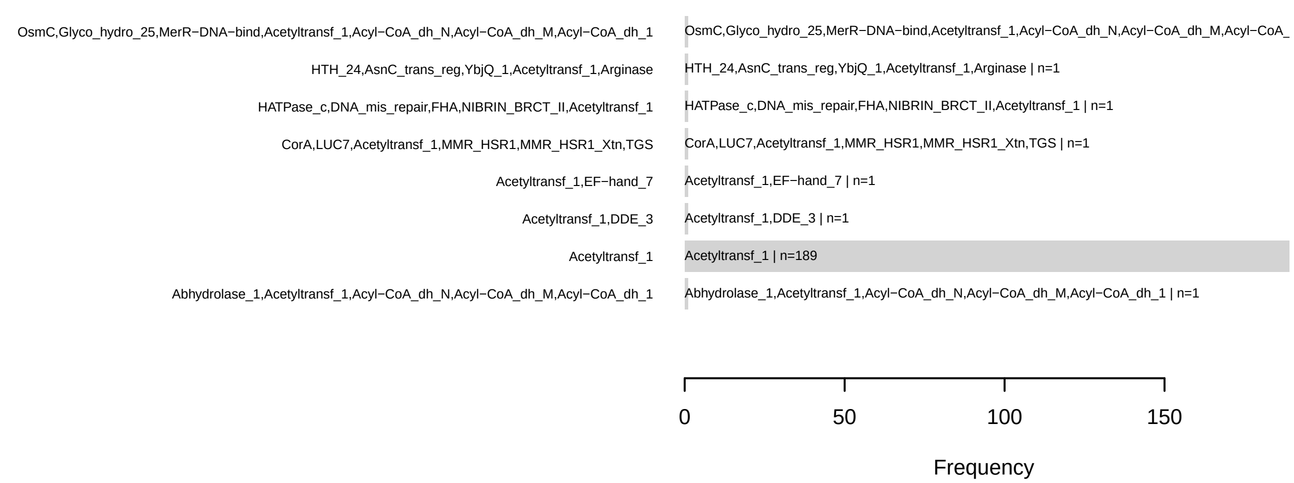
NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA

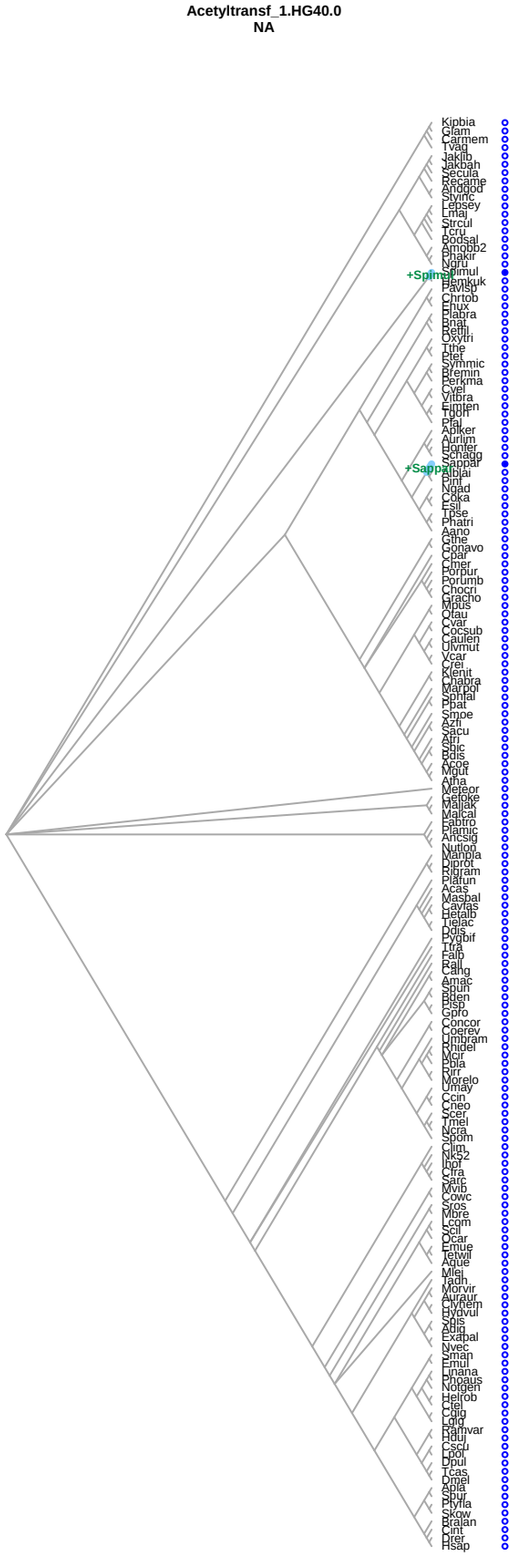
Presence Eukaryota prob = NaN

Present: 109

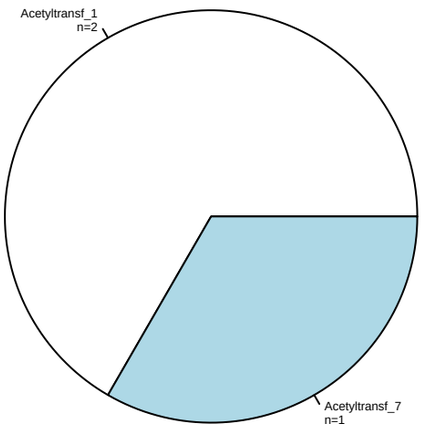
Losses: NA

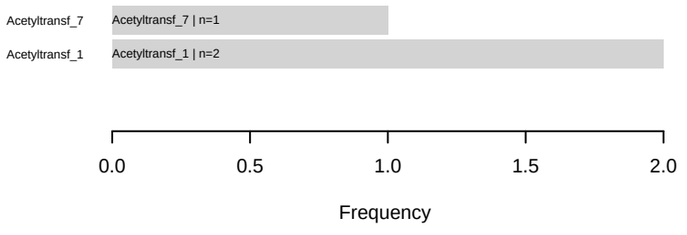


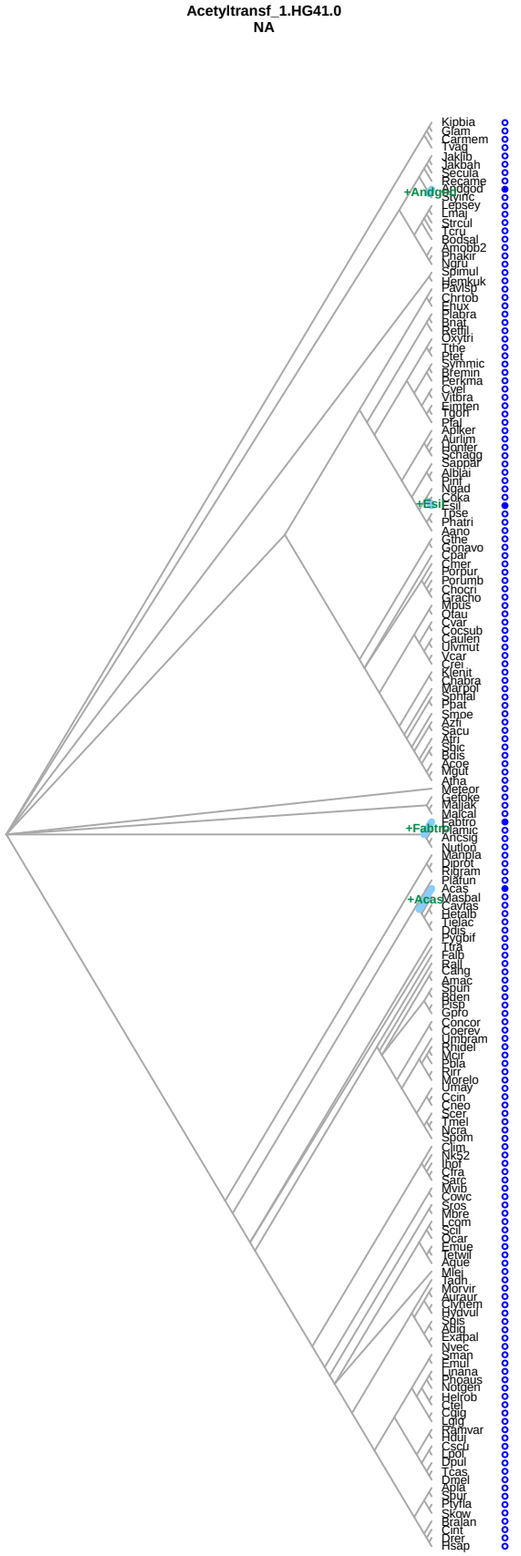


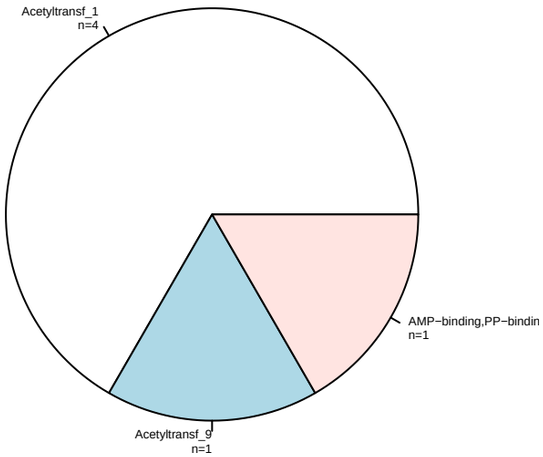


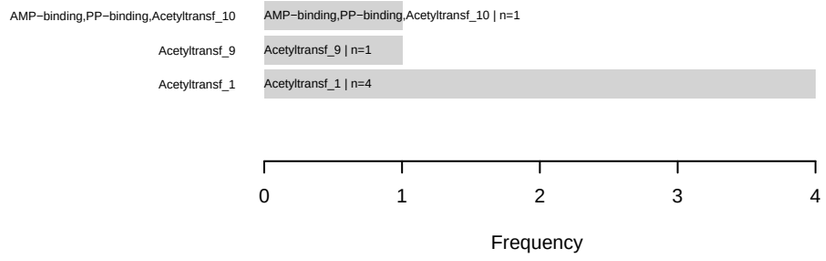
Gain: Sappar,Spimul,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



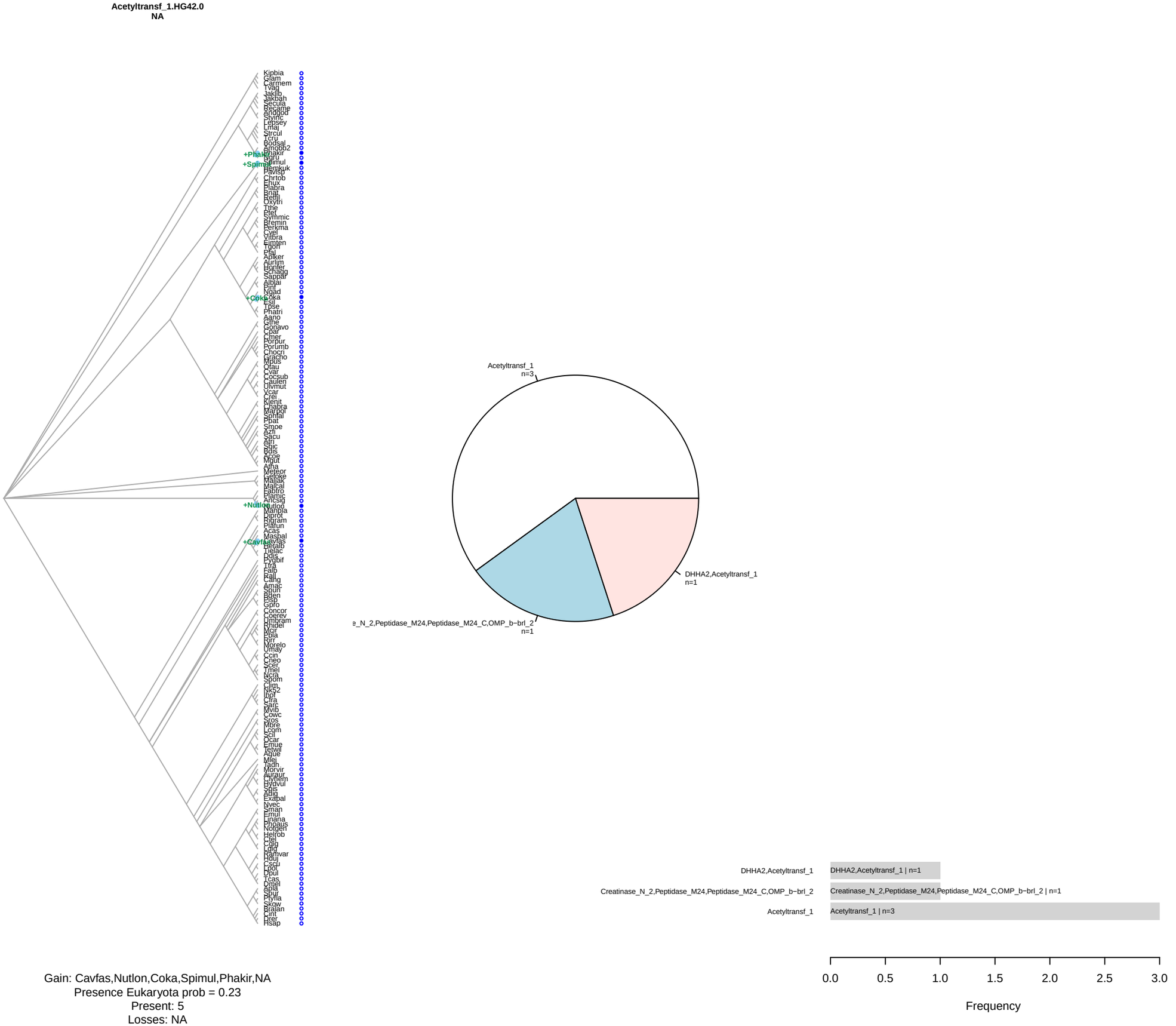




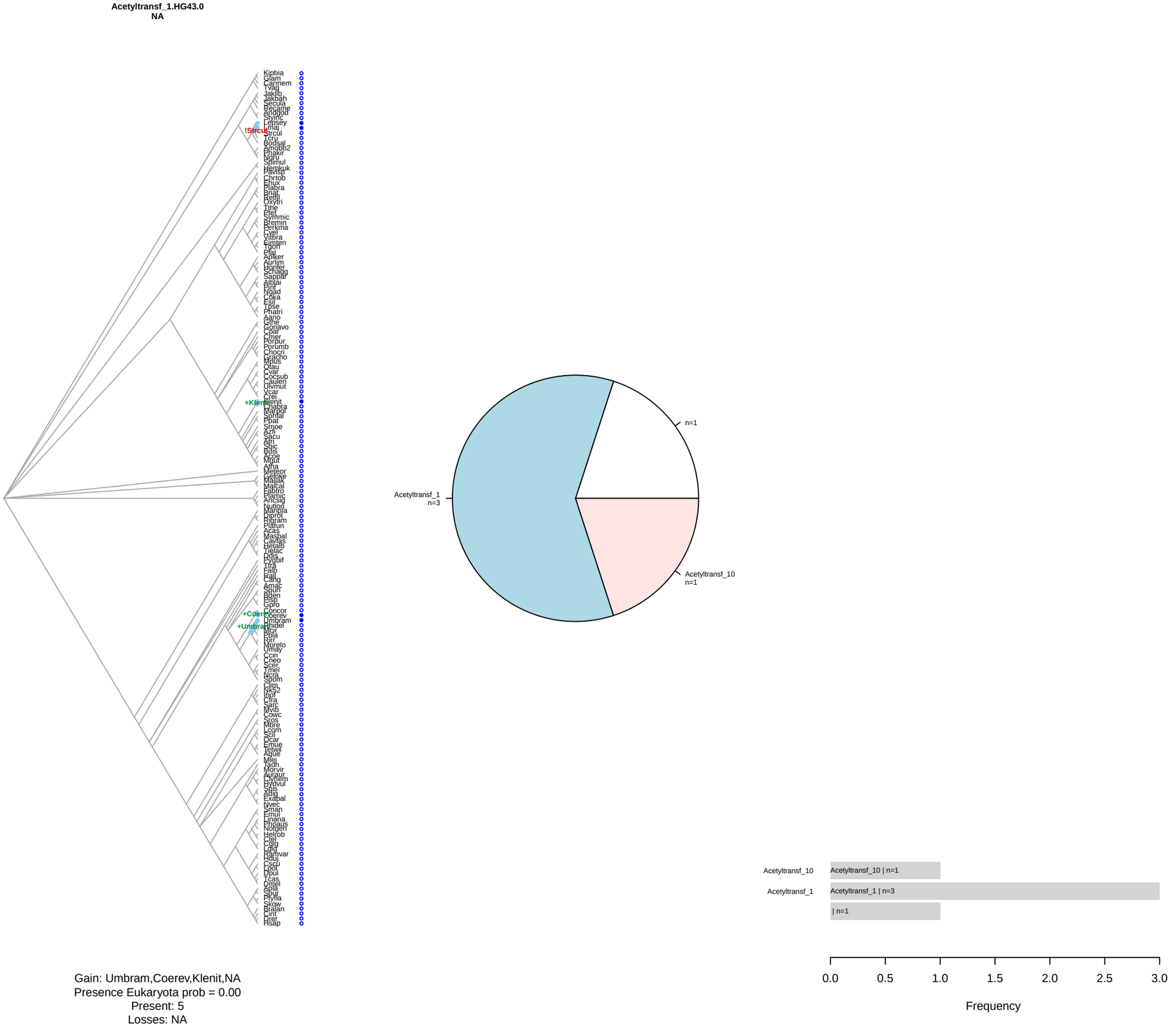




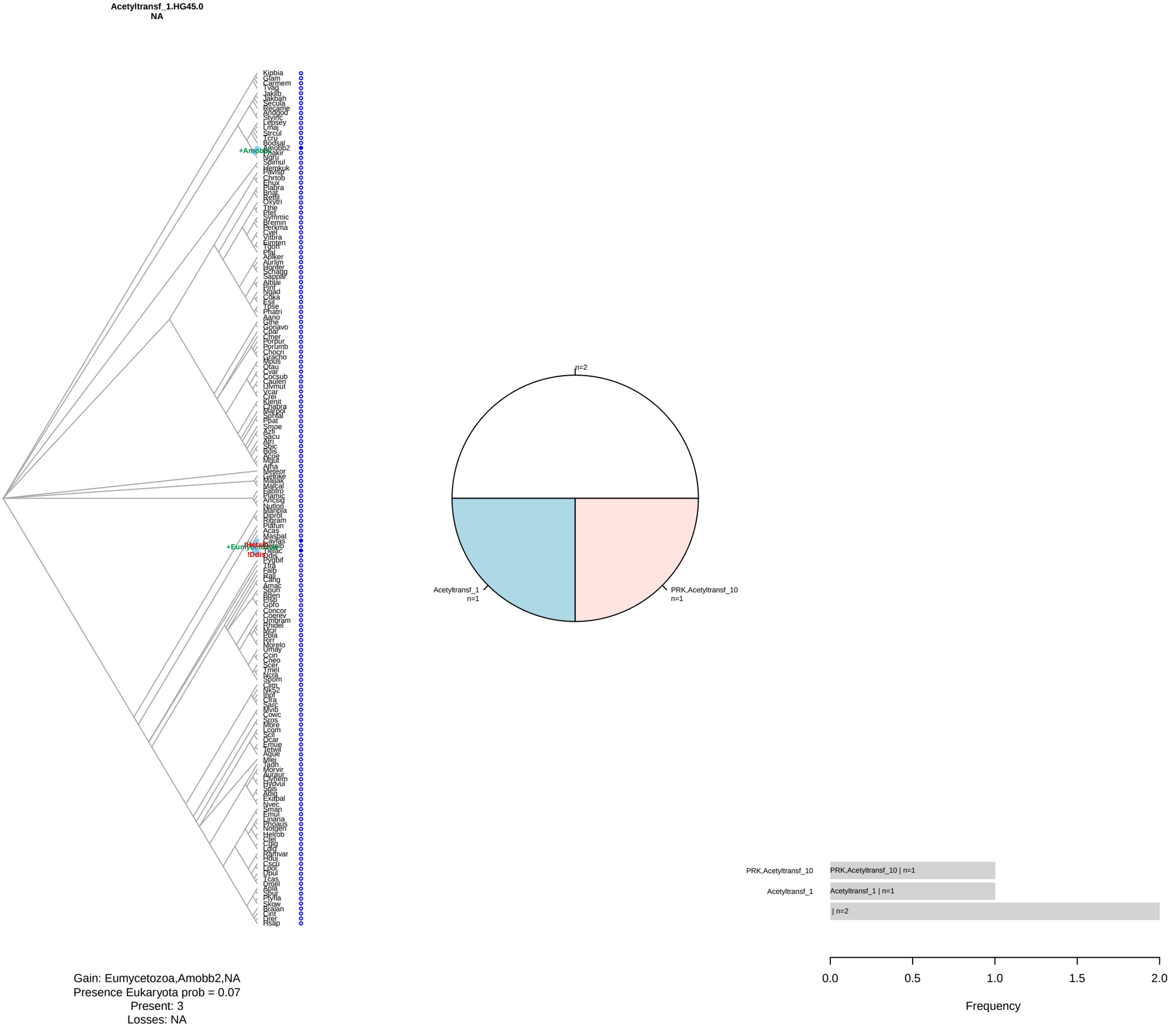
Gain: Acas,Fabtro,Esil,Andgod,NA
Presence Eukaryota prob = 0.26
Present: 4
Losses: NA



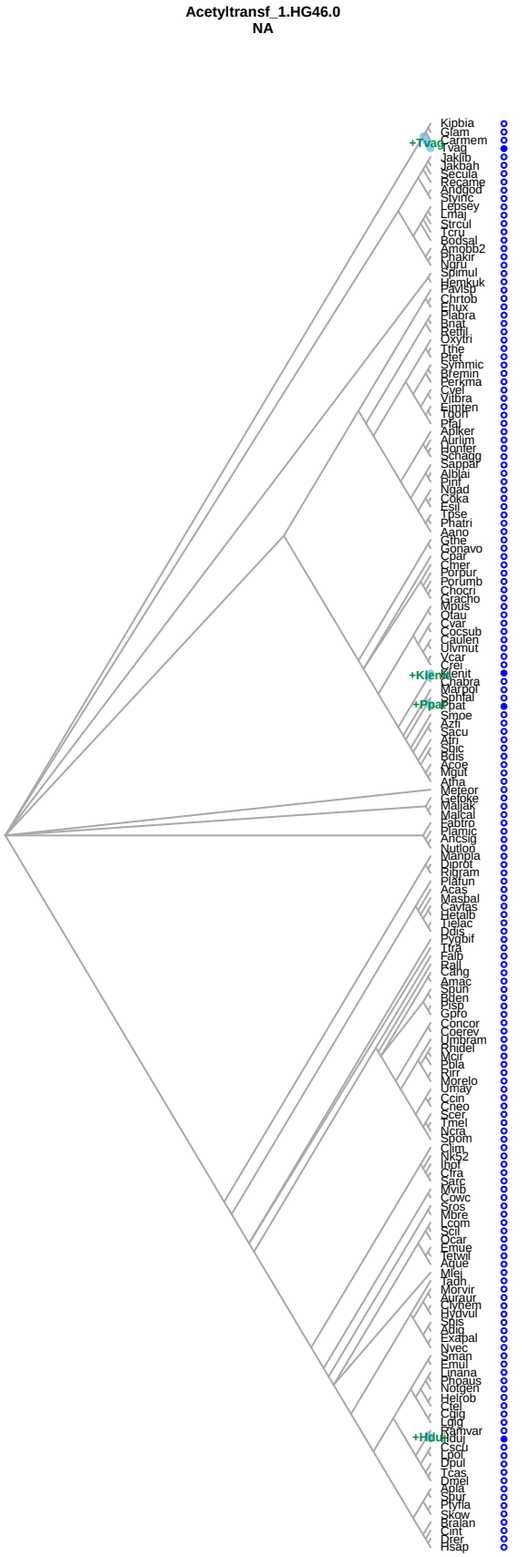
Gain: Cavfas,Nutlon,Coka,Spimul,Phakir,NA
Presence Eukaryota prob = 0.23
Present: 5
Losses: NA

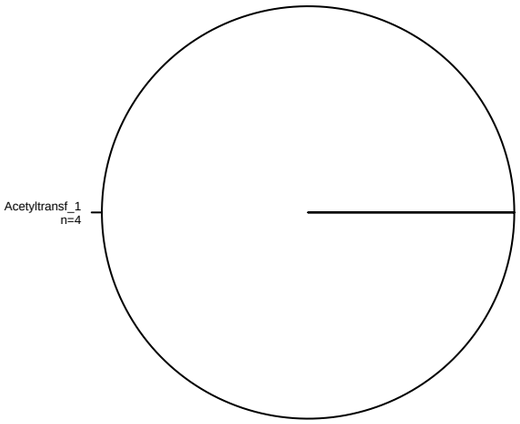


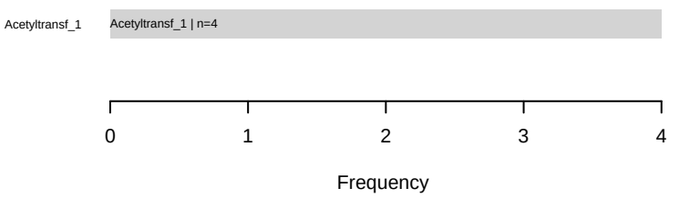
Gain: Umbram,Coerev,Klenit,NA
Presence Eukaryota prob = 0.00
Present: 5
Losses: NA



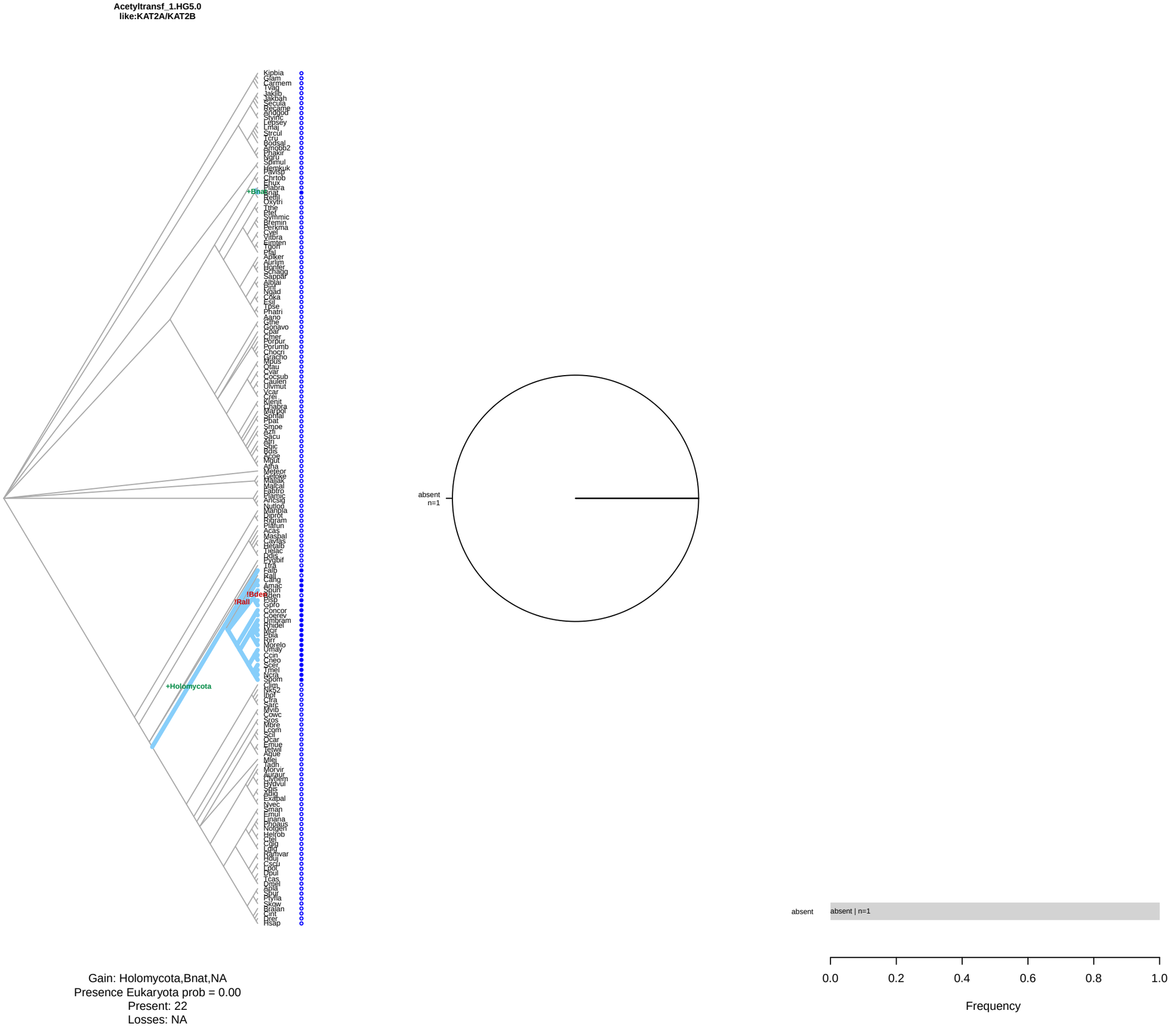
Gain: Eumycetozoa,Amobb2,NA
Presence Eukaryota prob = 0.07
Present: 3
Losses: NA



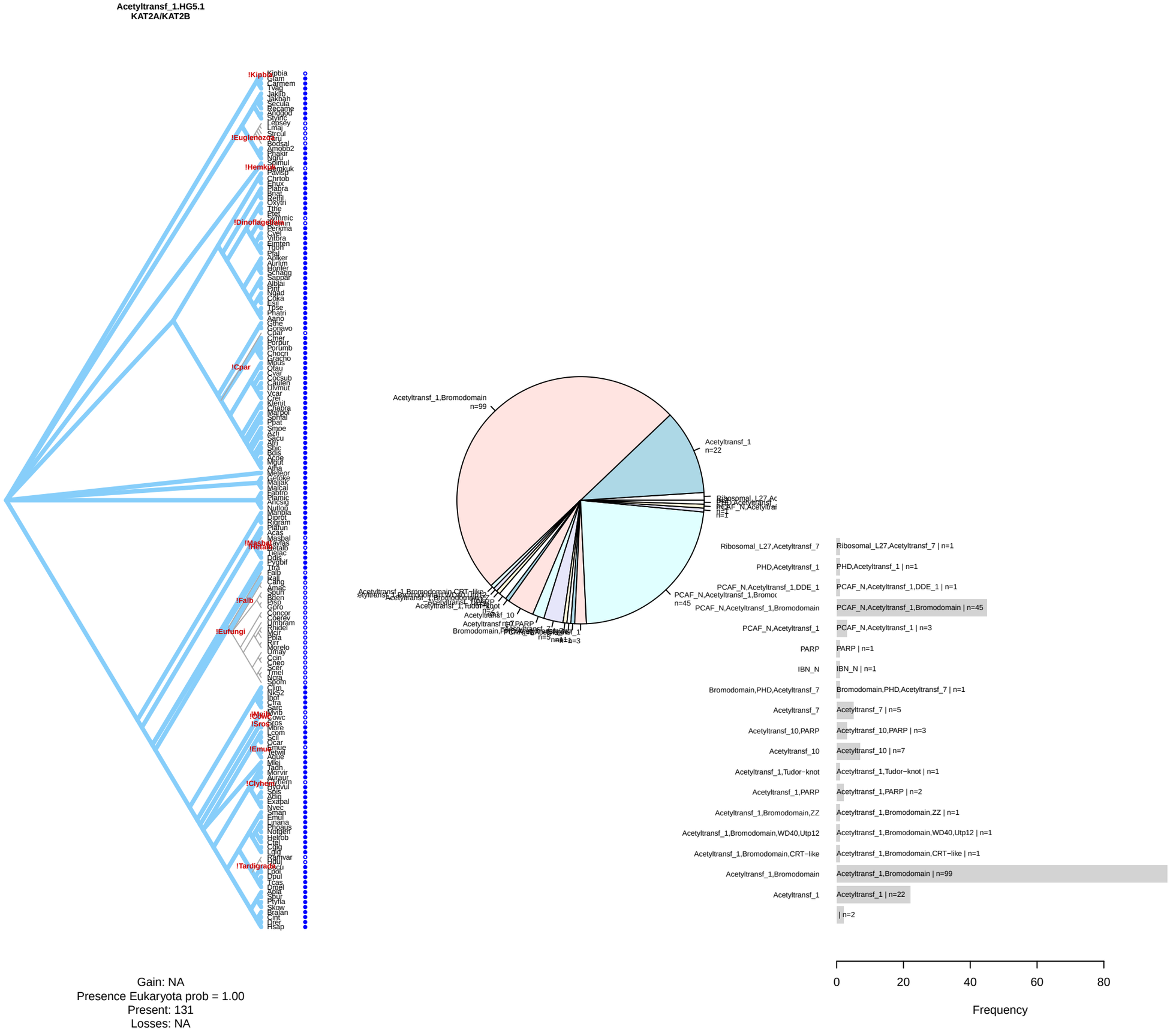


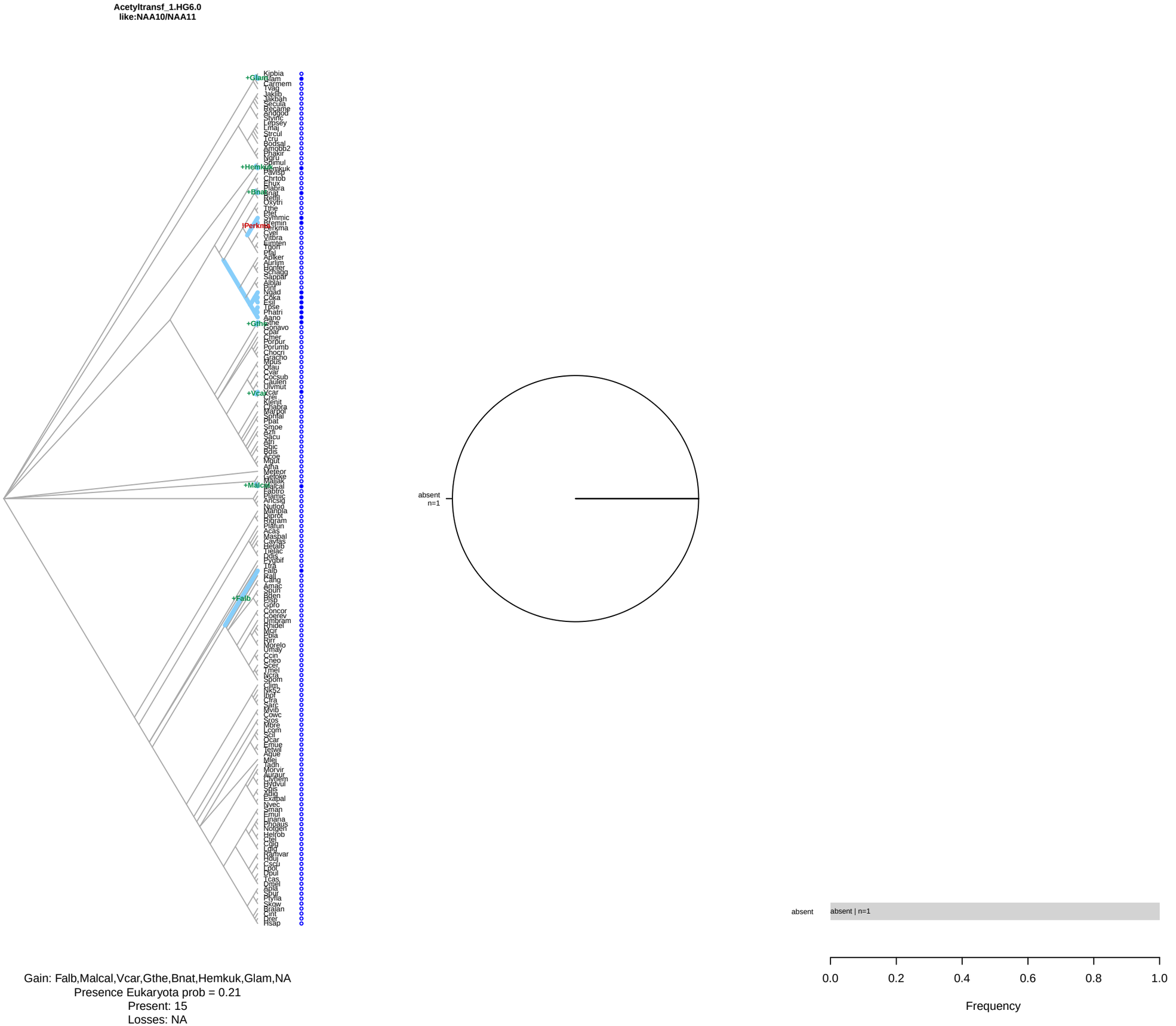


Gain: Hduj,Ppat,Klenit,Tvag,NA
Presence Eukaryota prob = 0.00
Present: 4
Losses: NA

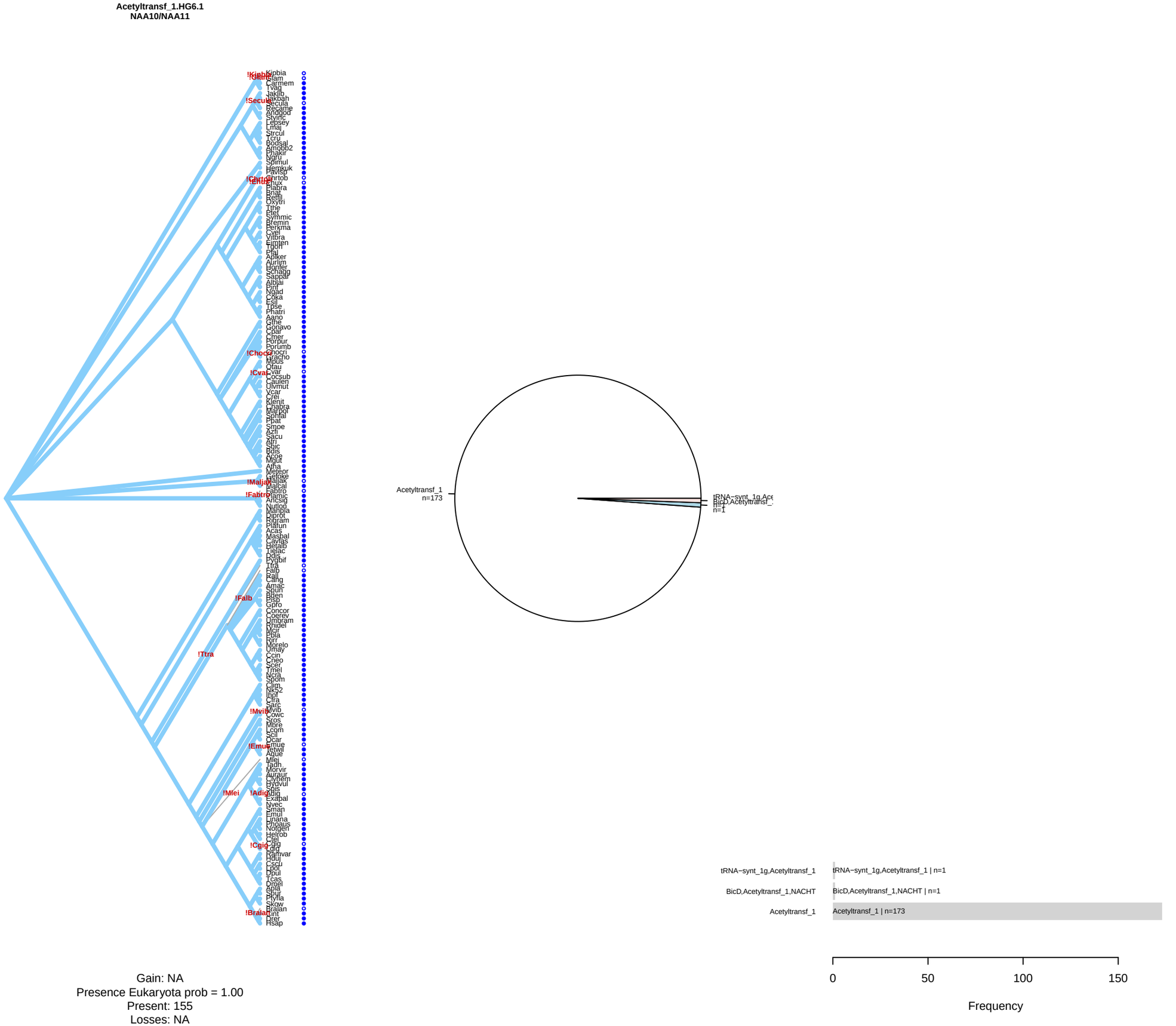


Gain: Holomycota,Bnat,NA
Presence Eukaryota prob = 0.00
Present: 22
Losses: NA

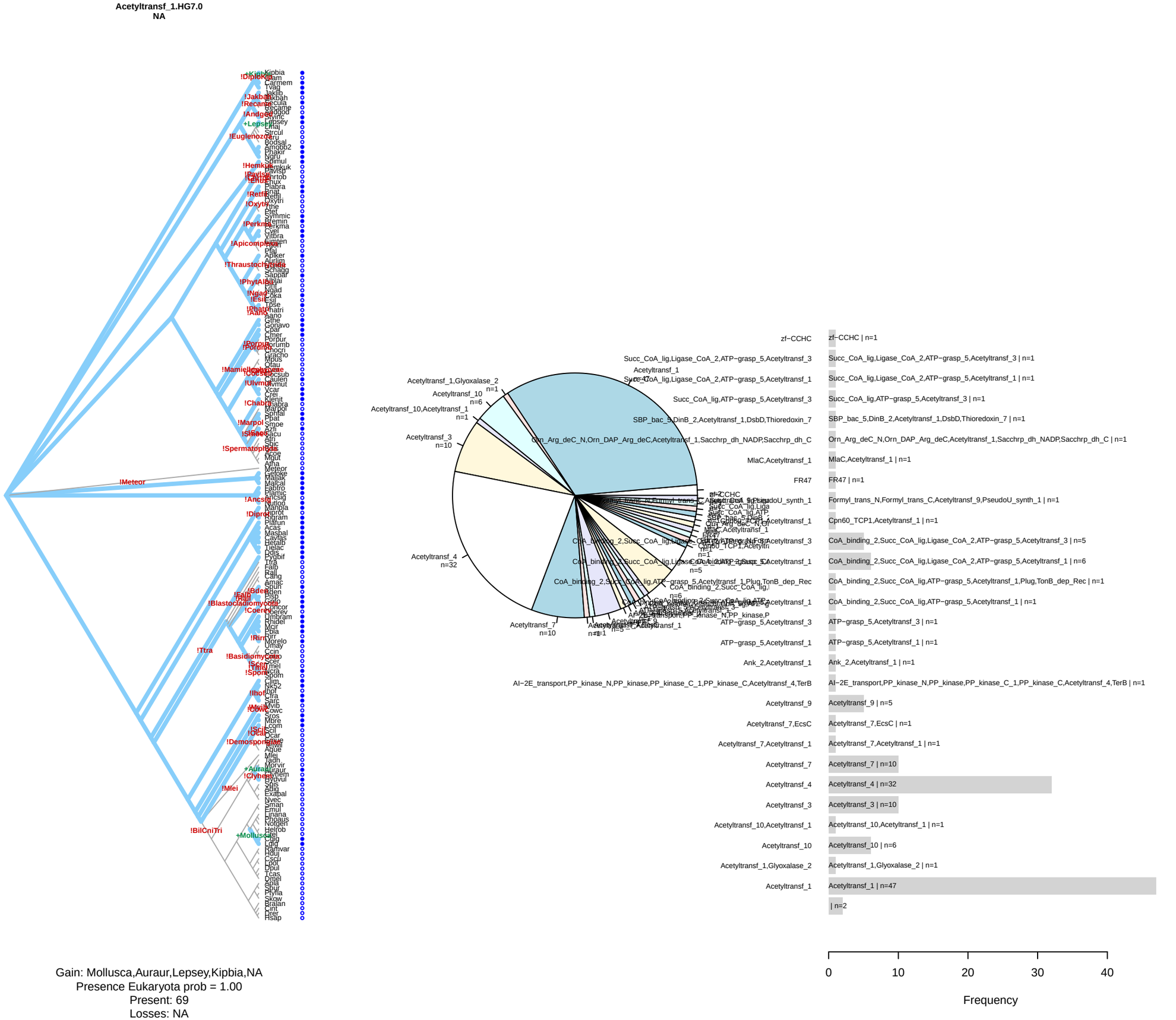

Acetyltransf_1.HG5.1
KAT2A/KAT2B
!Kipbia
!Euglenozoa
!Hemkuk
!Dinoflagellata
!Cpar
!Mashal
!Hetalb
!Falb
!Eufungi
!Plavir
!Sros
!Emus
!Clyhegy
!Tardigrada
Acetyltransf_1,Bromodomain
n=99
Acetyltransf_1
n=22
PCAF_N,Acetyltransf_1,Bromodomain
n=45
Ribosomal_L27,Acetyltransf_7 | n=1
PHD,Acetyltransf_1 | n=1
PCAF_N,Acetyltransf_1,DDE_1 | n=1
PCAF_N,Acetyltransf_1,Bromodomain | n=45
PCAF_N,Acetyltransf_1 | n=3
PARP | n=1
IBN_N | n=1
Bromodomain,PHD,Acetyltransf_7 | n=1
Acetyltransf_7 | n=5
Acetyltransf_10,PARP | n=3
Acetyltransf_10 | n=7
Acetyltransf_1,Tudor−knot | n=1
Acetyltransf_1,PARP | n=2
Acetyltransf_1,Bromodomain,ZZ | n=1
Acetyltransf_1,Bromodomain,WD40,Utp12 | n=1
Acetyltransf_1,Bromodomain,CRT−like | n=1
Acetyltransf_1,Bromodomain | n=99
Acetyltransf_1 | n=22
| n=2
0
20
40
60
80
Frequency
Gain: NA
Presence Eukaryota prob = 1.00
Present: 131
Losses: NA

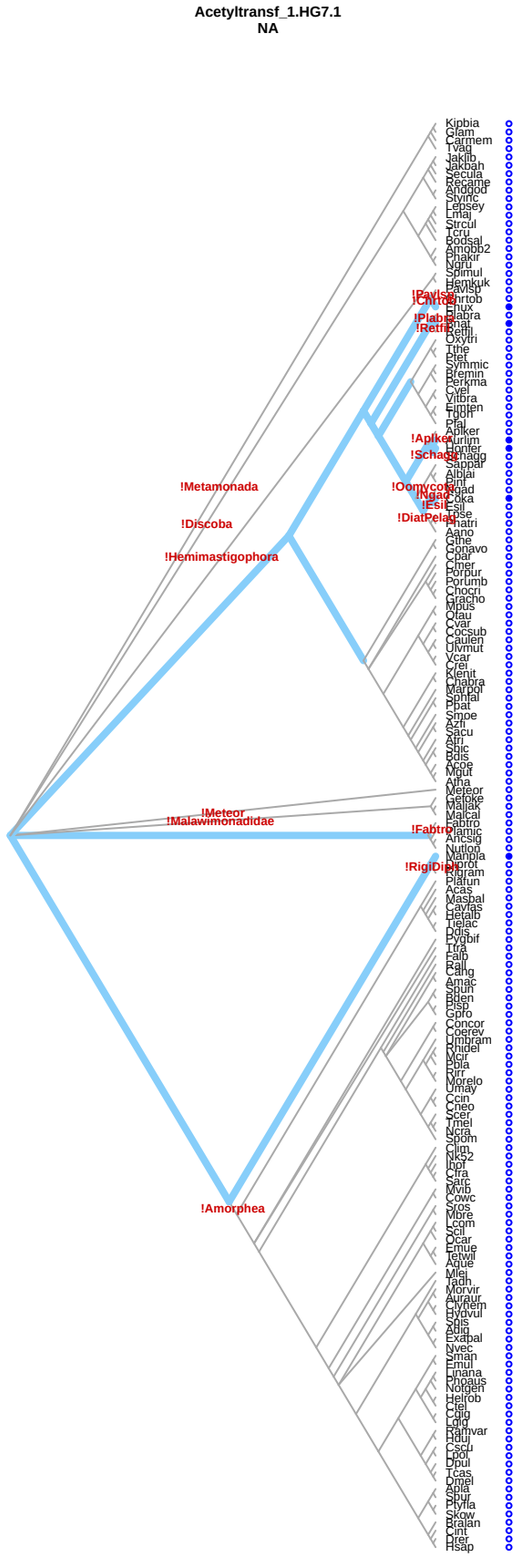


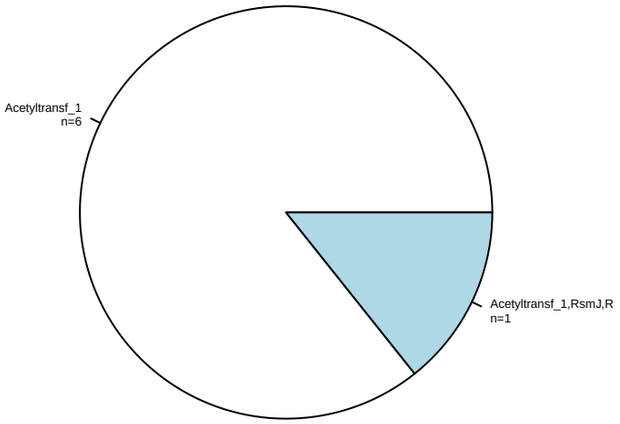
Gain: Falb,Malcal,Vcar,Gthe,Bnat,Hemkuk,Glam,NA
Presence Eukaryota prob = 0.21
Present: 15
Losses: NA

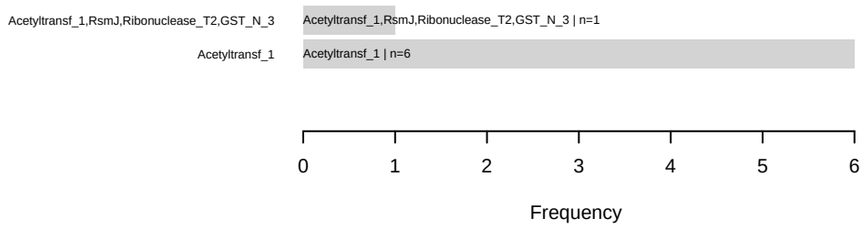


Gain: NA
Presence Eukaryota prob = 1.00
Present: 155
Losses: NA

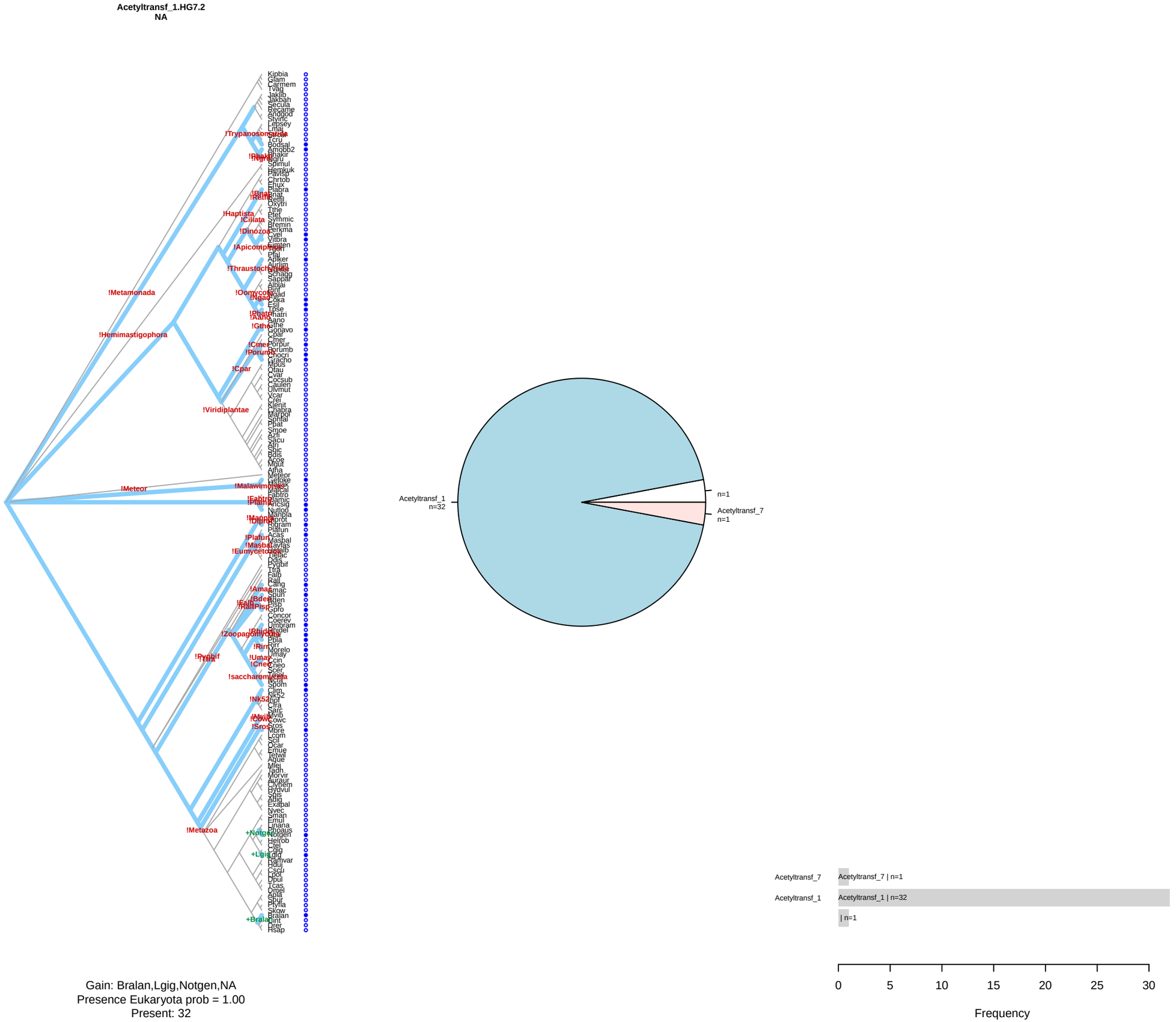

Acetyltransf_1.HG7.0
NA
Gain: Mollusca,Auraur,Lepsey,Kipbia,NA
Presence Eukaryota prob = 1.00
Present: 69
Losses: NA
Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_3
Acetyltransf_1
Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_1
Succ_CoA_lig,ATP−grasp_5,Acetyltransf_3
SBP_bac_5,DinB_2,Acetyltransf_1,DsbD,Thioredoxin_7
Orn_Arg_deC_N,Orn_DAP_Arg_deC,Acetyltransf_1,Sacchrp_dh_NADP,Sacchrp_dh_C
MlaC,Acetyltransf_1
FR47
Formyl_trans_N,Formyl_trans_C,Acetyltransf_9,PseudoU_synth_1
Cpn60_TCP1,Acetyltransf_1
CoA_binding_2,Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_3
CoA_binding_2,Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_1
CoA_binding_2,Succ_CoA_lig,ATP−grasp_5,Acetyltransf_1,Plug,TonB_dep_Rec
CoA_binding_2,Succ_CoA_lig,ATP−grasp_5,Acetyltransf_1
ATP−grasp_5,Acetyltransf_3
ATP−grasp_5,Acetyltransf_1
Ank_2,Acetyltransf_1
AI−2E_transport,PP_kinase_N,PP_kinase,PP_kinase_C_1,PP_kinase_C,Acetyltransf_4,TerB
Acetyltransf_9
Acetyltransf_7,EcsC
Acetyltransf_7,Acetyltransf_1
Acetyltransf_7
Acetyltransf_4
Acetyltransf_3
Acetyltransf_10,Acetyltransf_1
Acetyltransf_10
Acetyltransf_1,Glyoxalase_2
Acetyltransf_1
Acetyltransf_1,Glyoxalase_2
n=1
Acetyltransf_10
n=6
Acetyltransf_10,Acetyltransf_1
n=1
Acetyltransf_3
n=10
Acetyltransf_4
n=32
Acetyltransf_7
n=10
Acetyltransf_1
n=47
zf−CCHC | n=1
Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_3 | n=1
Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_1 | n=1
Succ_CoA_lig,ATP−grasp_5,Acetyltransf_3 | n=1
SBP_bac_5,DinB_2,Acetyltransf_1,DsbD,Thioredoxin_7 | n=1
Orn_Arg_deC_N,Orn_DAP_Arg_deC,Acetyltransf_1,Sacchrp_dh_NADP,Sacchrp_dh_C | n=1
MlaC,Acetyltransf_1 | n=1
FR47 | n=1
Formyl_trans_N,Formyl_trans_C,Acetyltransf_9,PseudoU_synth_1 | n=1
Cpn60_TCP1,Acetyltransf_1 | n=1
CoA_binding_2,Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_3 | n=5
CoA_binding_2,Succ_CoA_lig,Ligase_CoA_2,ATP−grasp_5,Acetyltransf_1 | n=6
CoA_binding_2,Succ_CoA_lig,ATP−grasp_5,Acetyltransf_1,Plug,TonB_dep_Rec | n=1
CoA_binding_2,Succ_CoA_lig,ATP−grasp_5,Acetyltransf_1 | n=1
ATP−grasp_5,Acetyltransf_3 | n=1
ATP−grasp_5,Acetyltransf_1 | n=1
Ank_2,Acetyltransf_1 | n=1
AI−2E_transport,PP_kinase_N,PP_kinase,PP_kinase_C_1,PP_kinase_C,Acetyltransf_4,TerB | n=1
Acetyltransf_9 | n=5
Acetyltransf_7,EcsC | n=1
Acetyltransf_7,Acetyltransf_1 | n=1
Acetyltransf_7 | n=10
Acetyltransf_4 | n=32
Acetyltransf_3 | n=10
Acetyltransf_10,Acetyltransf_1 | n=1
Acetyltransf_10 | n=6
Acetyltransf_1,Glyoxalase_2 | n=1
Acetyltransf_1 | n=47
| n=2
0
10
20
30
40
Frequency



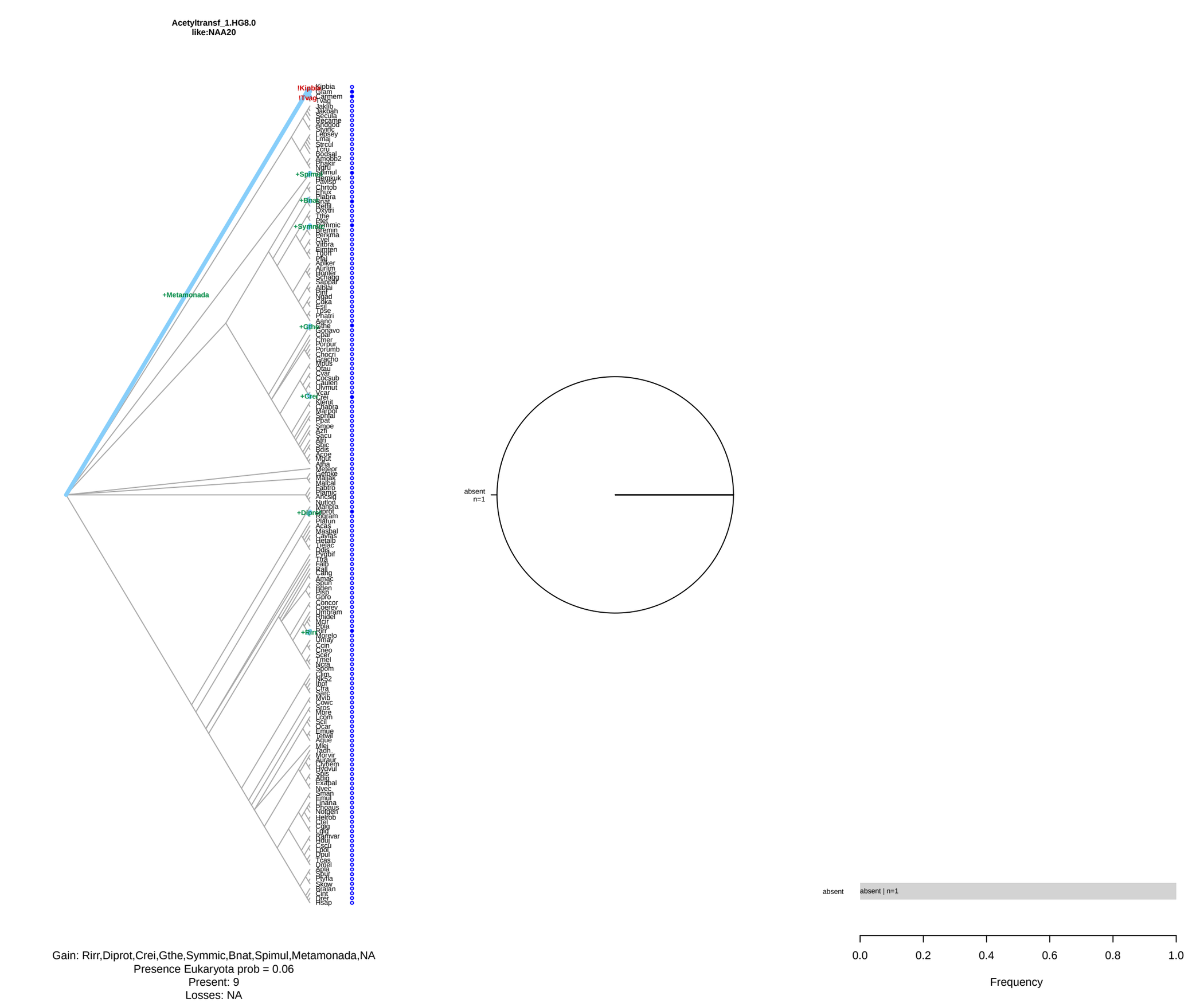




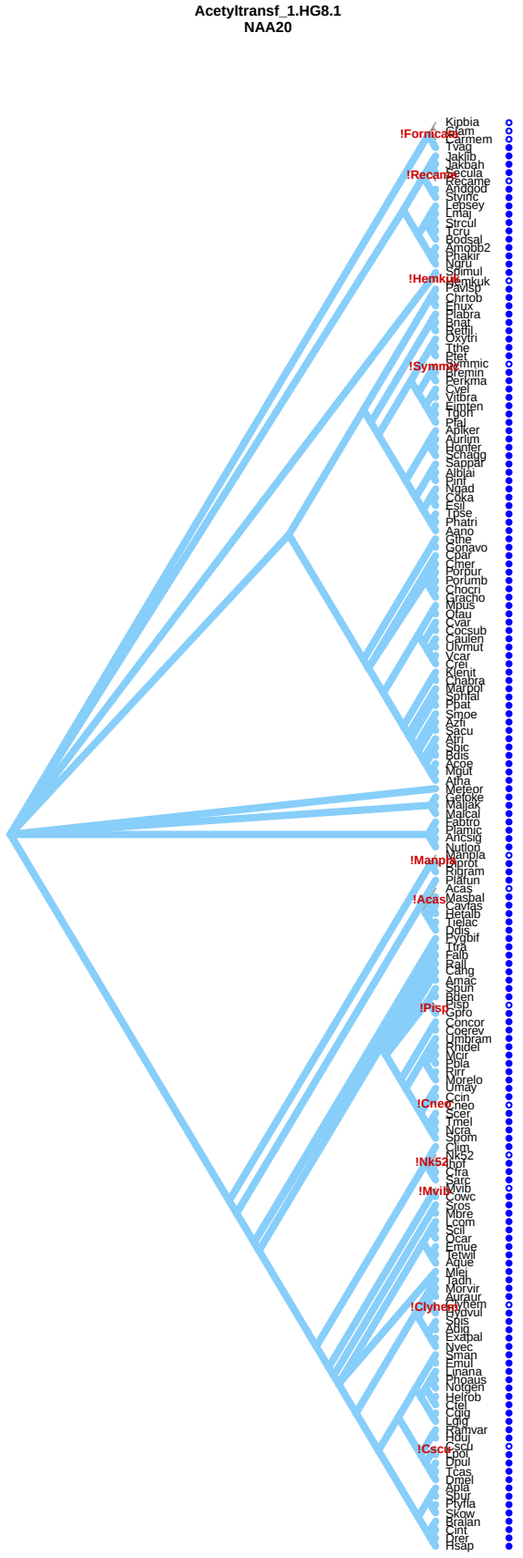
Gain: NA
Presence Eukaryota prob = 0.90
Present: 6
Losses: NA

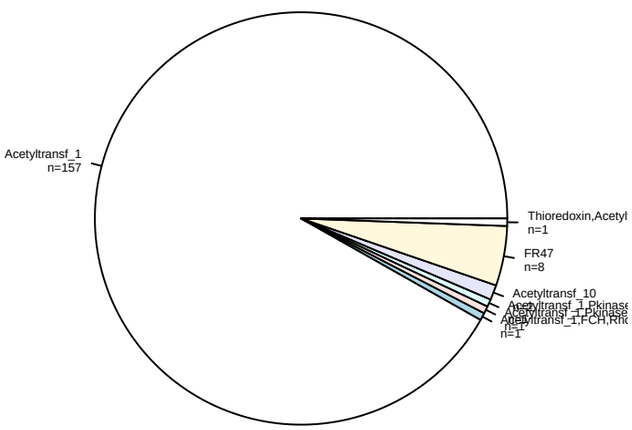


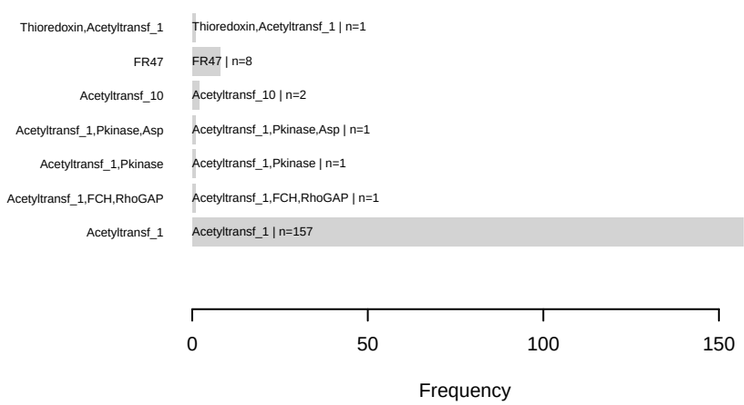
Gain: Bralan,Lgig,Notgen,NA
Presence Eukaryota prob = 1.00
Present: 32
Losses: NA



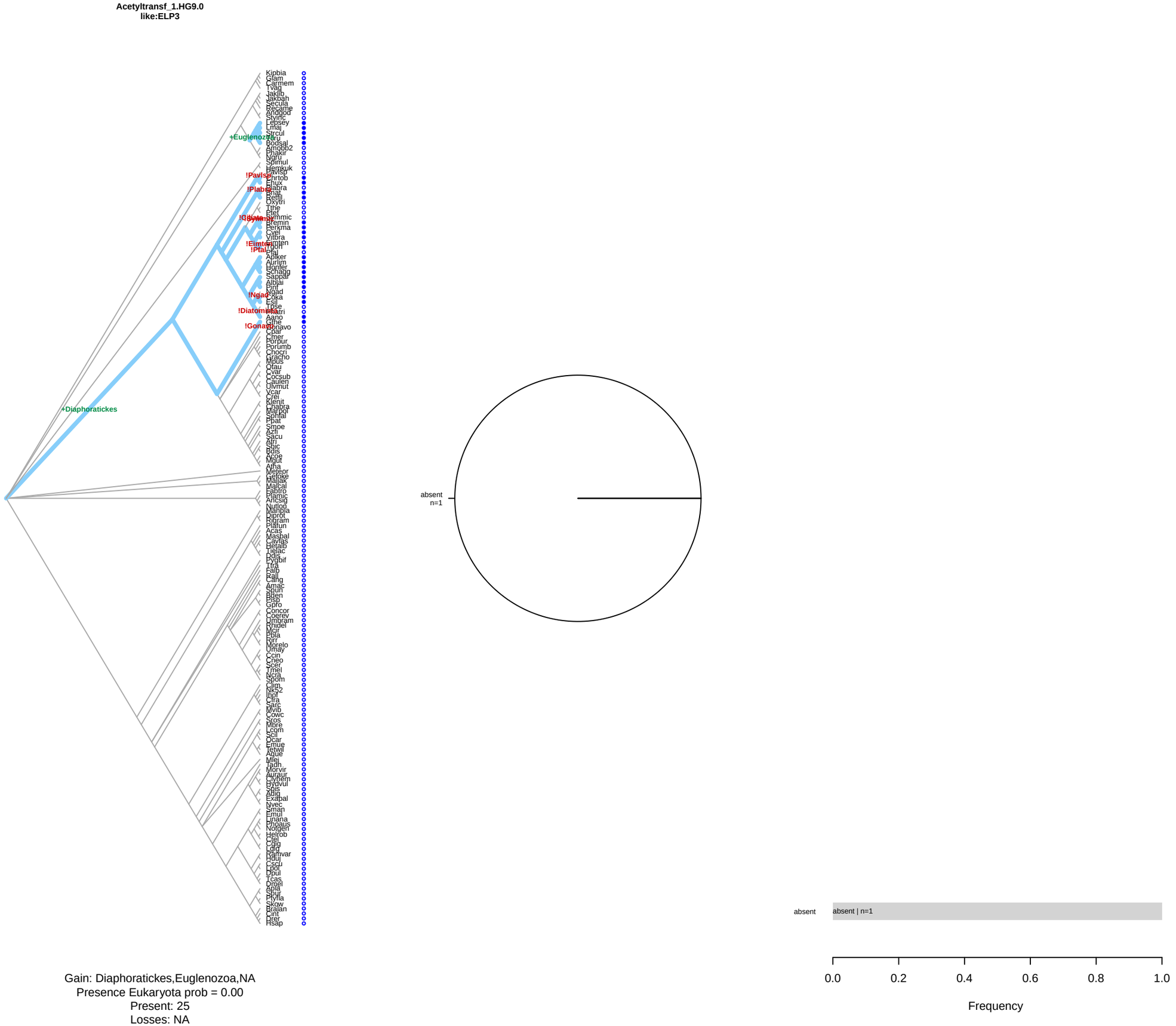
Gain: Rirr,Diprot,Crei,Gthe,Symmic,Bnat,Spimul,Metamonada,NA
Presence Eukaryota prob = 0.06
Present: 9
Losses: NA



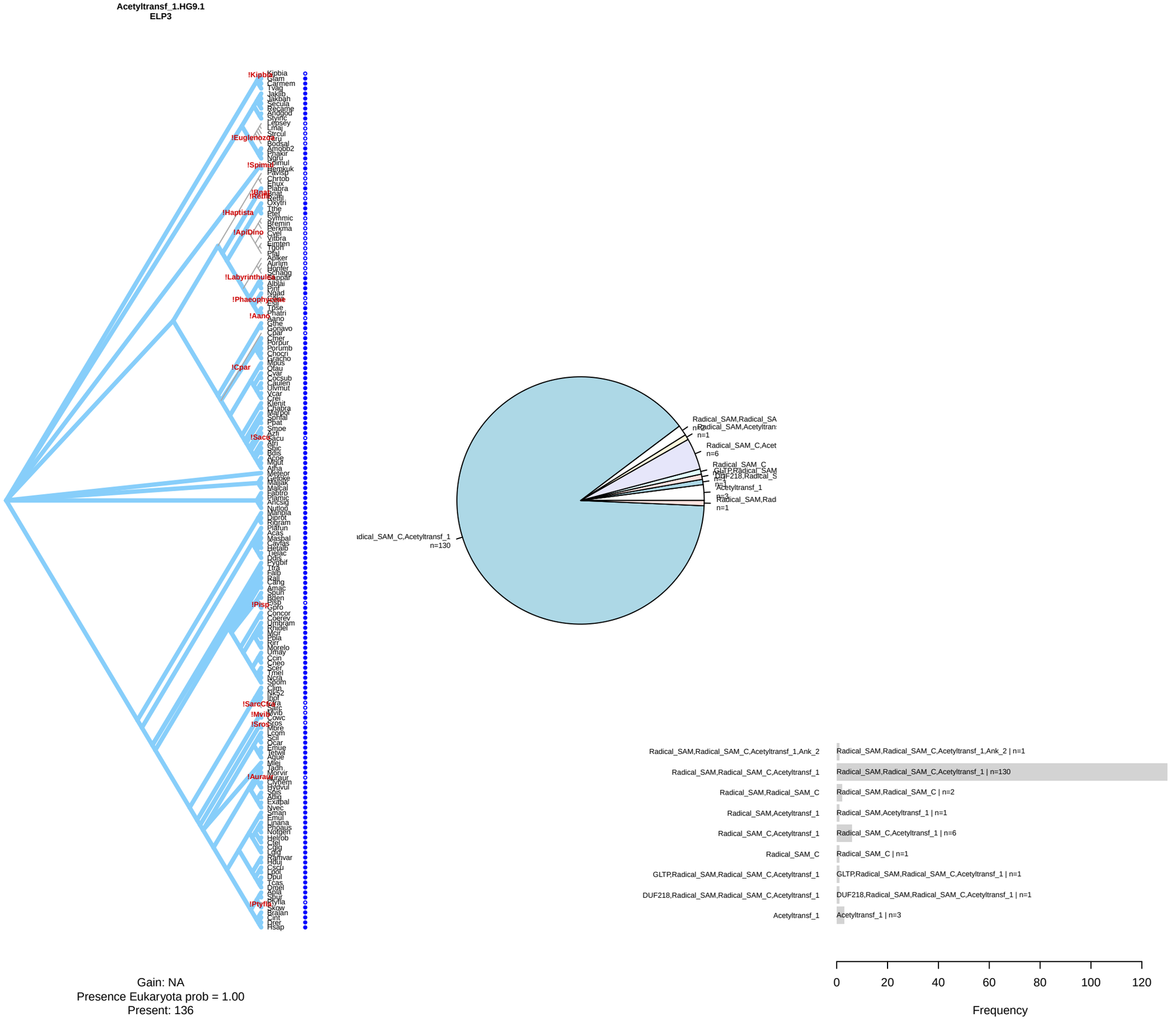




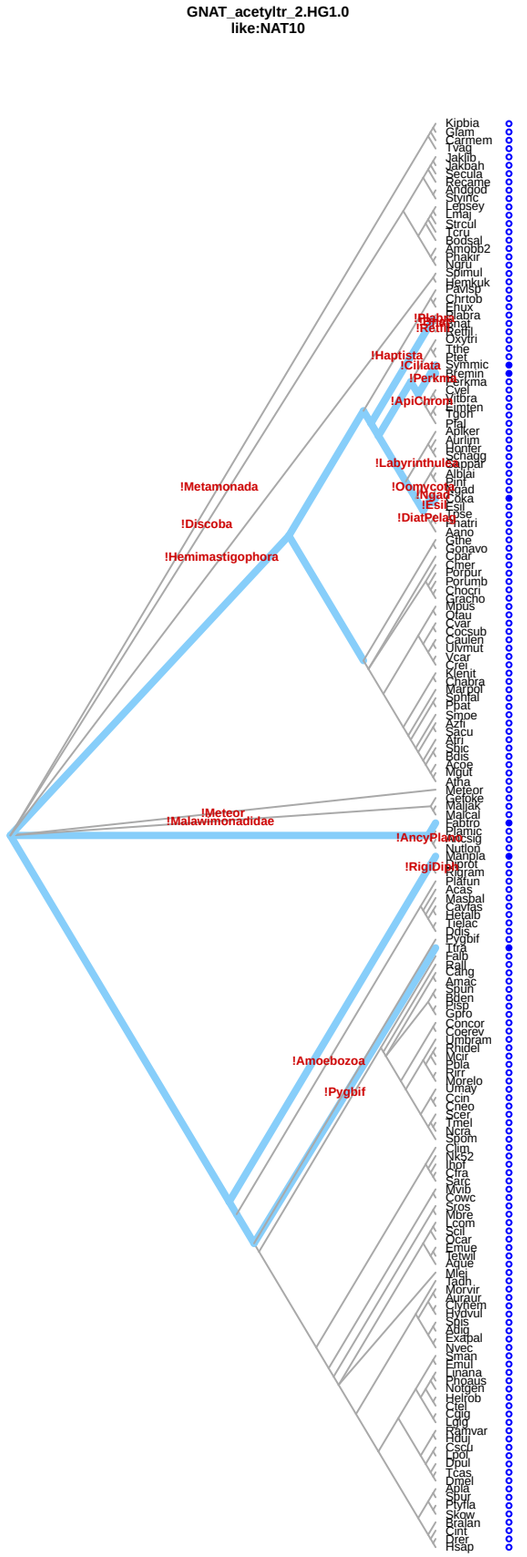
Gain: NA
Presence Eukaryota prob = 1.00
Present: 158
Losses: NA

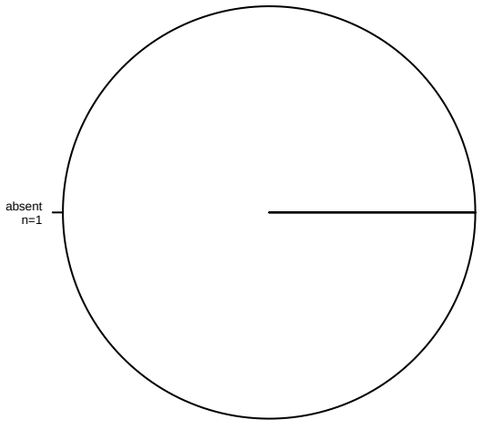


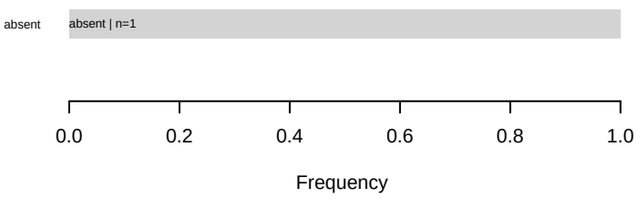
Gain: Diaphoratickes,Euglenozoa,NA
Presence Eukaryota prob = 0.00
Present: 25
Losses: NA



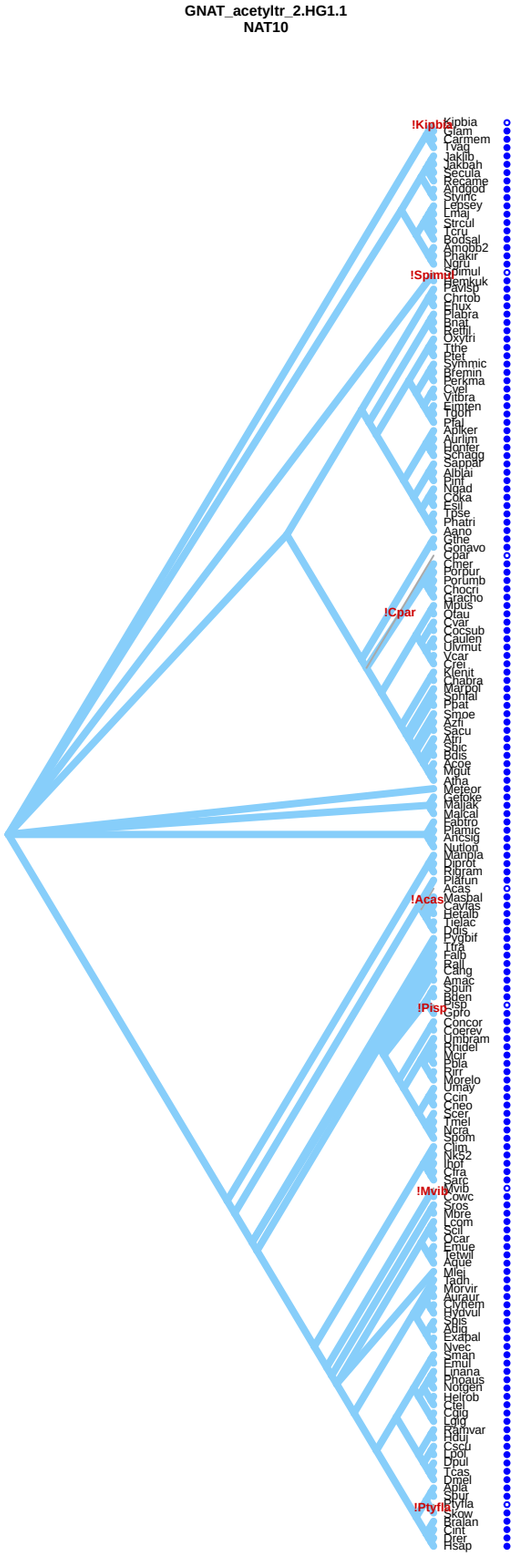
Gain: NA
Presence Eukaryota prob = 1.00
Present: 136
Losses: NA

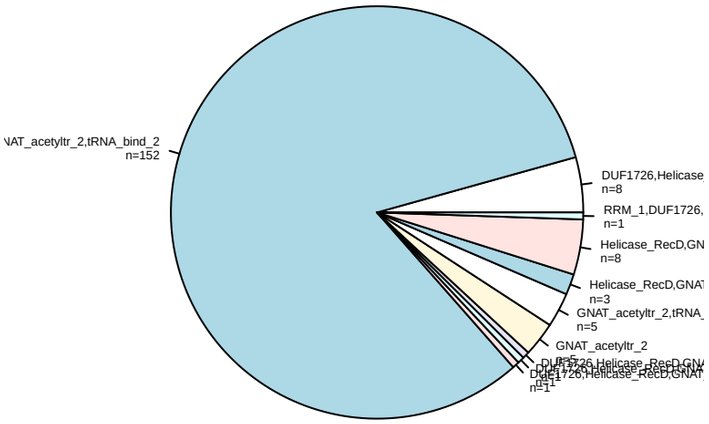


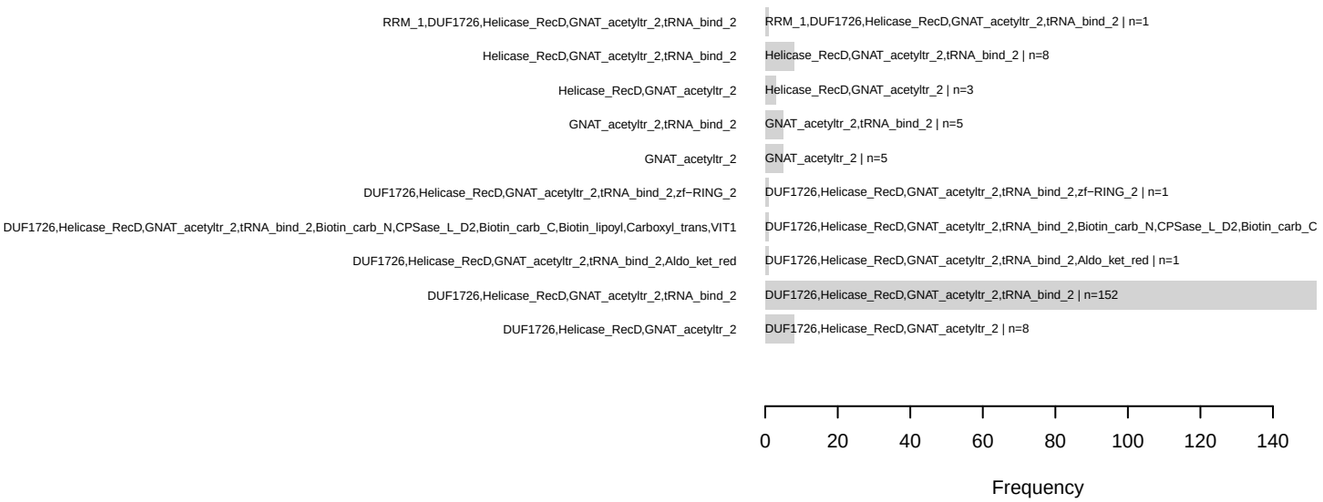




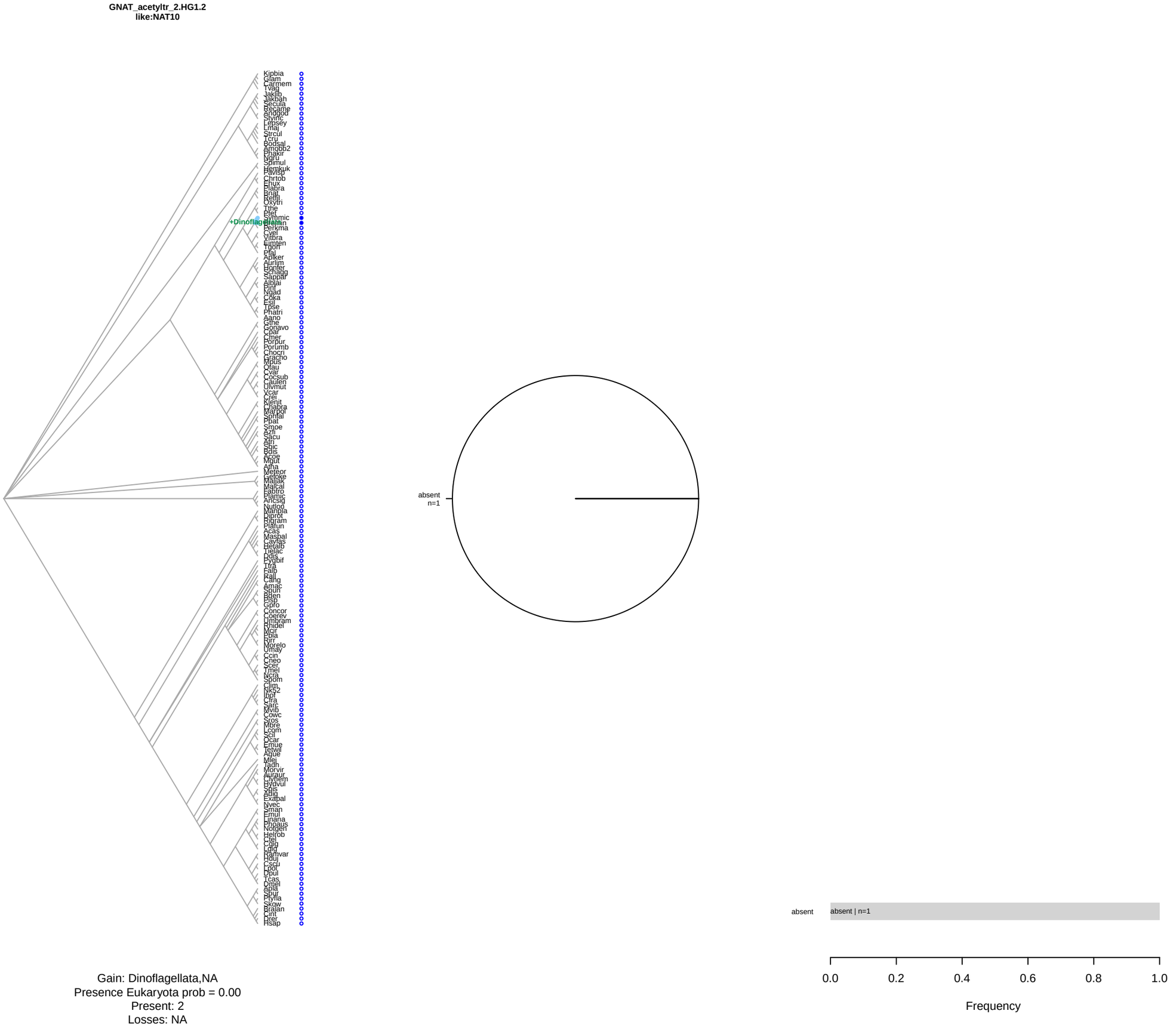
Gain: NA
Presence Eukaryota prob = 0.98
Present: 6
Losses: NA



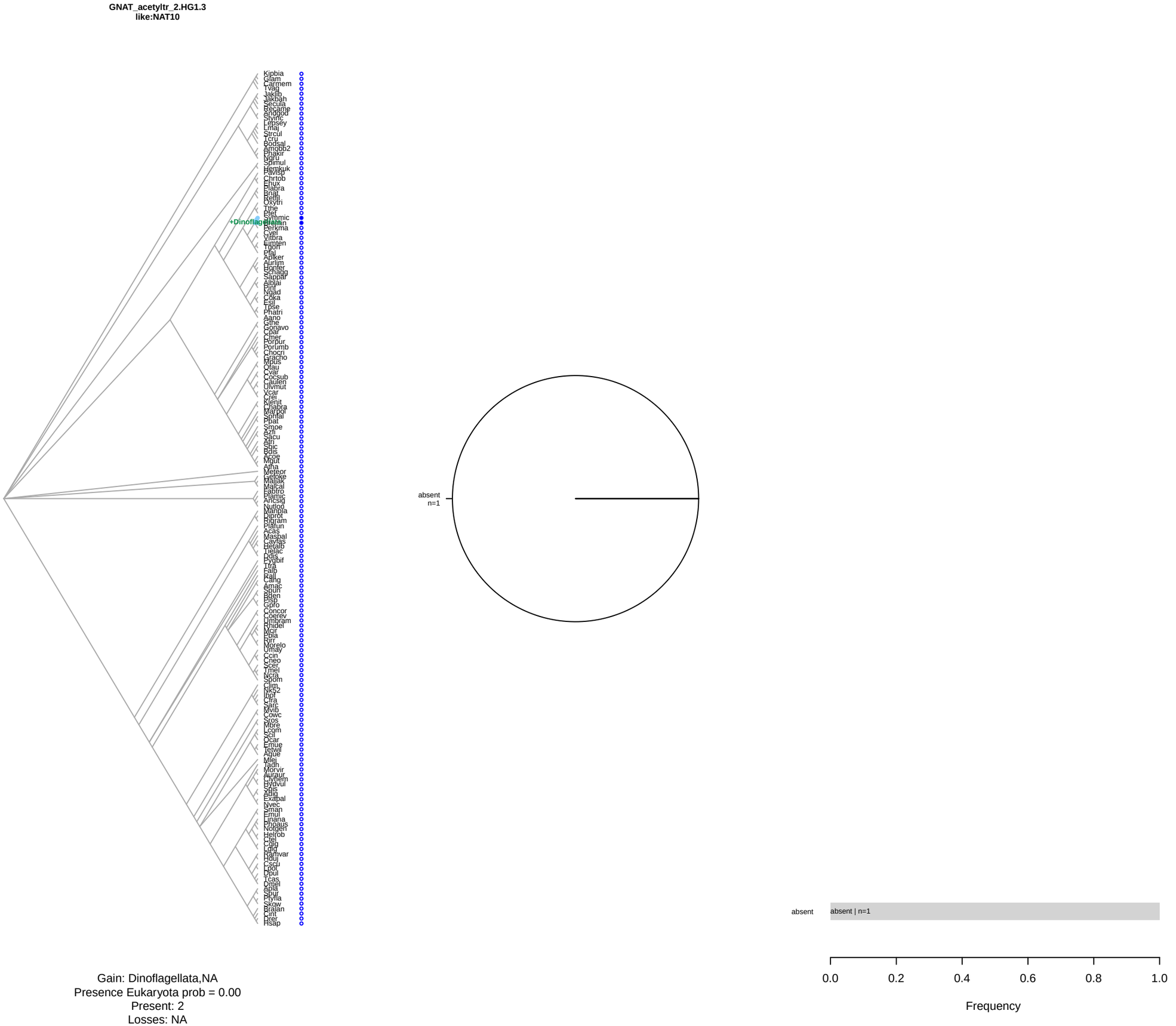




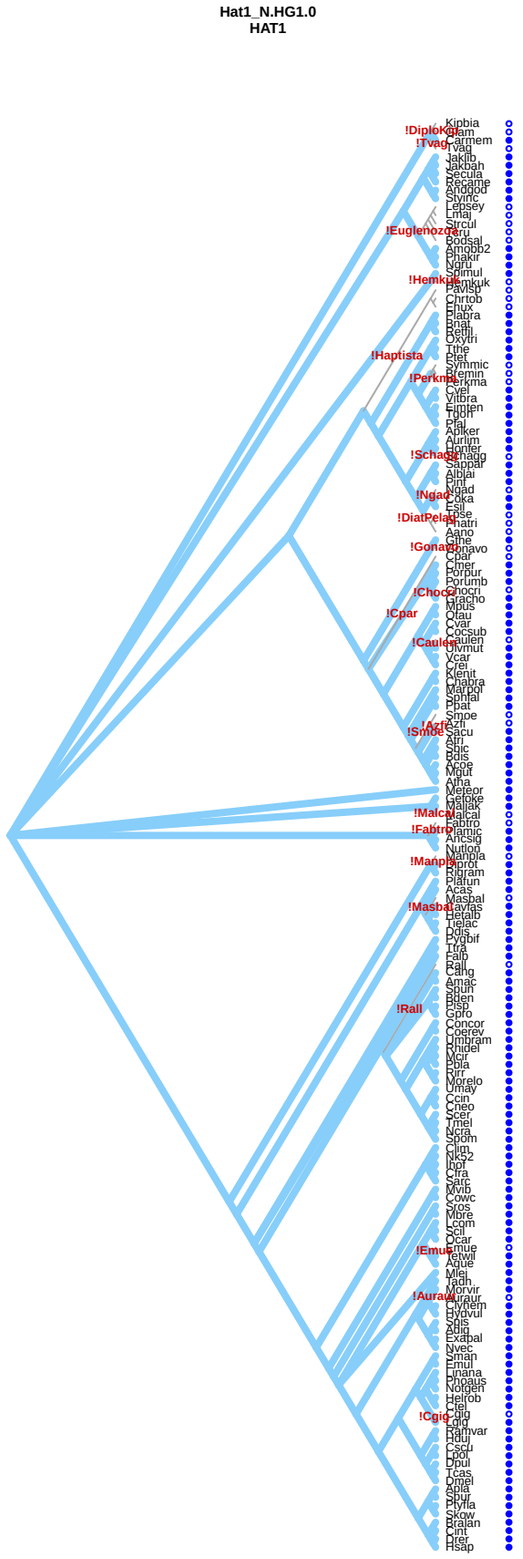
Gain: NA
Presence Eukaryota prob = 1.00
Present: 165
Losses: NA

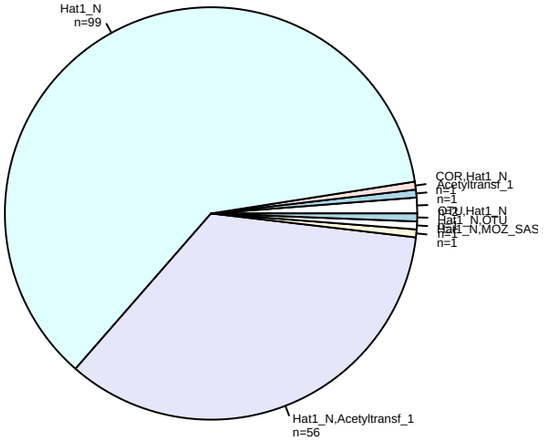


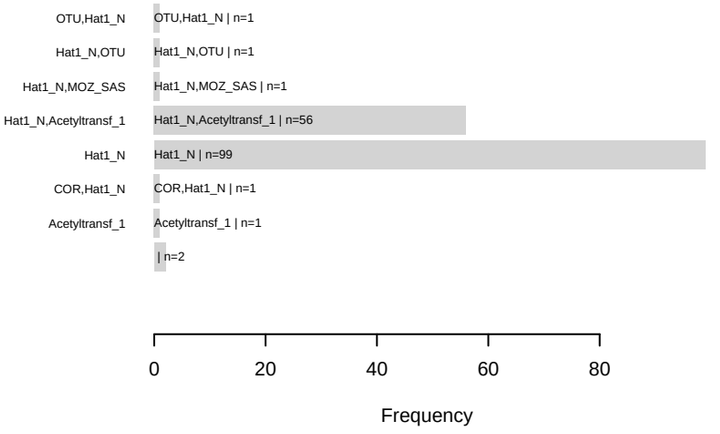
Gain: Dinoflagellata,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



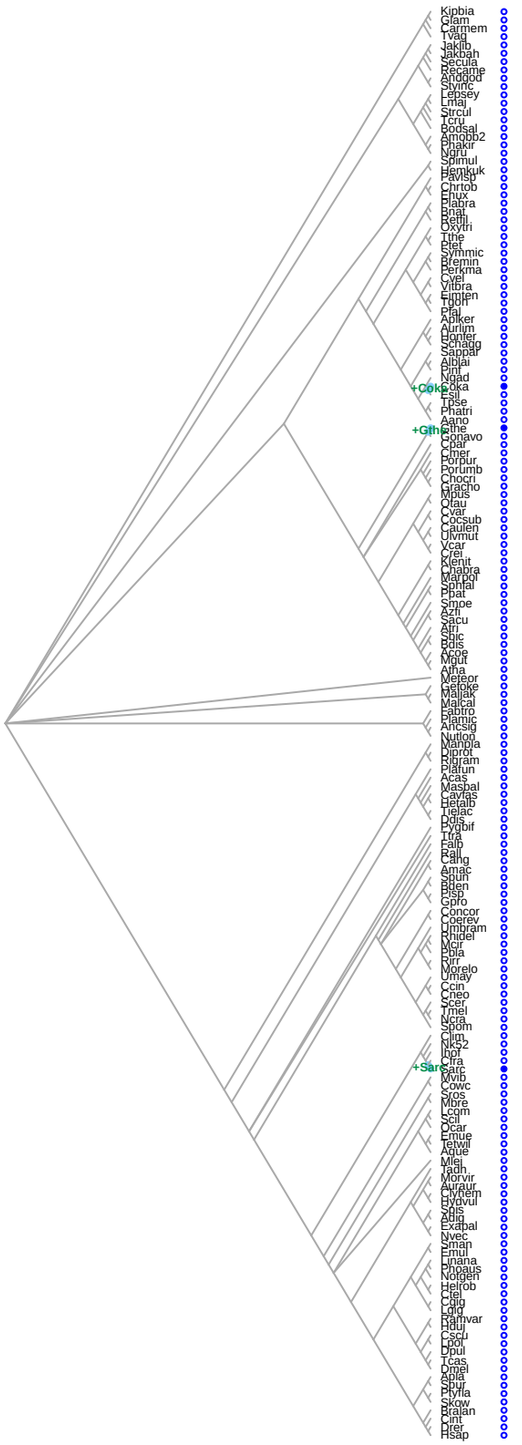
Gain: Dinoflagellata,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA



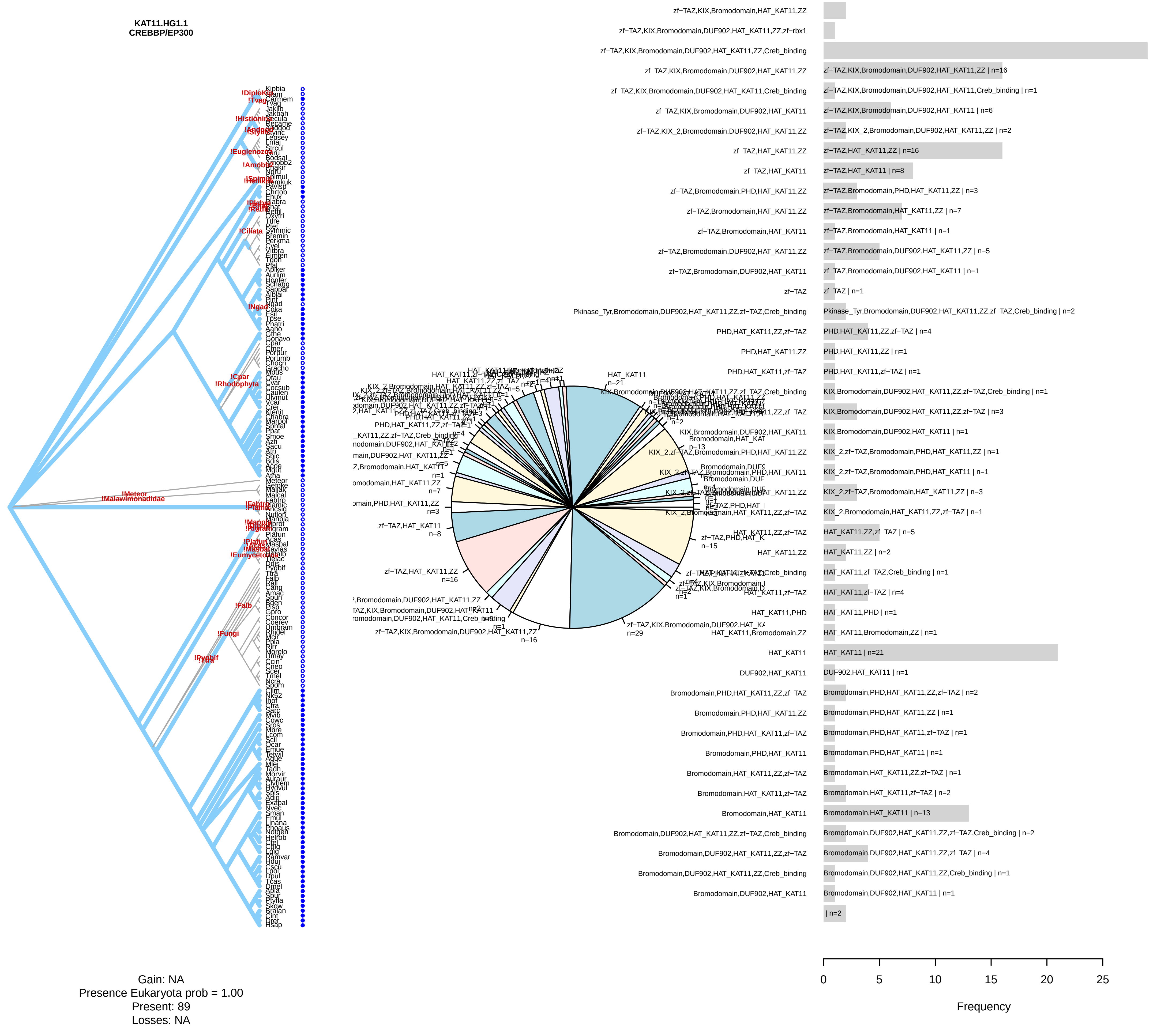




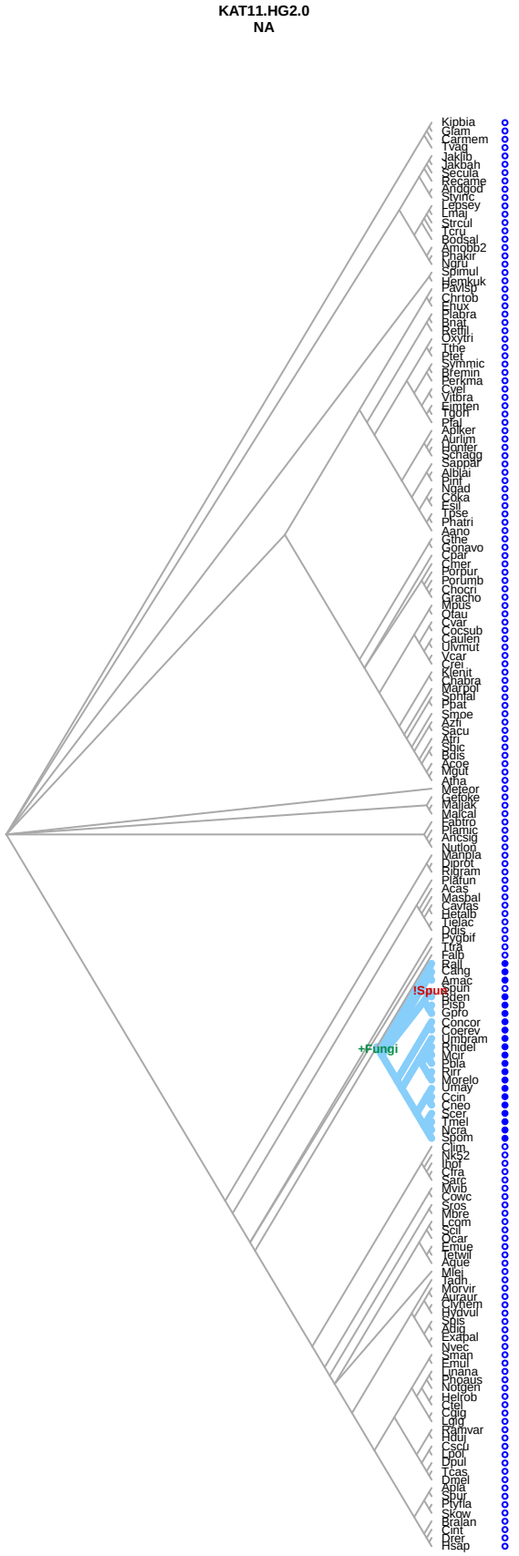
Gain: NA
Presence Eukaryota prob = 1.00
Present: 138
Losses: NA

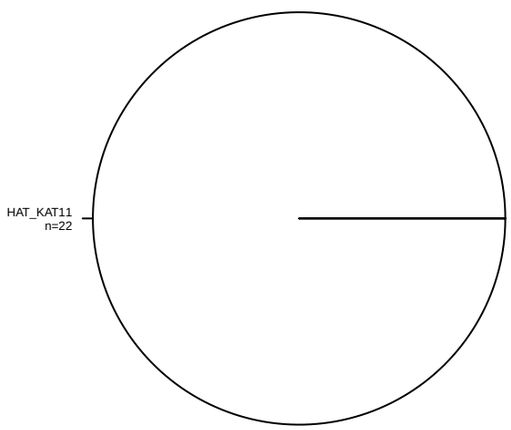


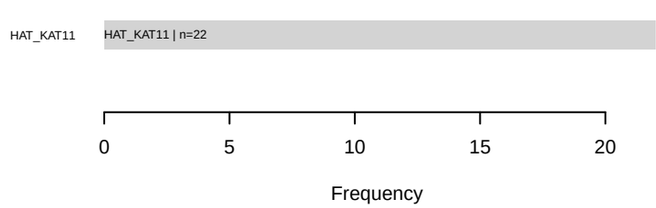
Gain: Sarc,Gthe,Coka,NA
Presence Eukaryota prob = 0.03
Present: 3
Losses: NA



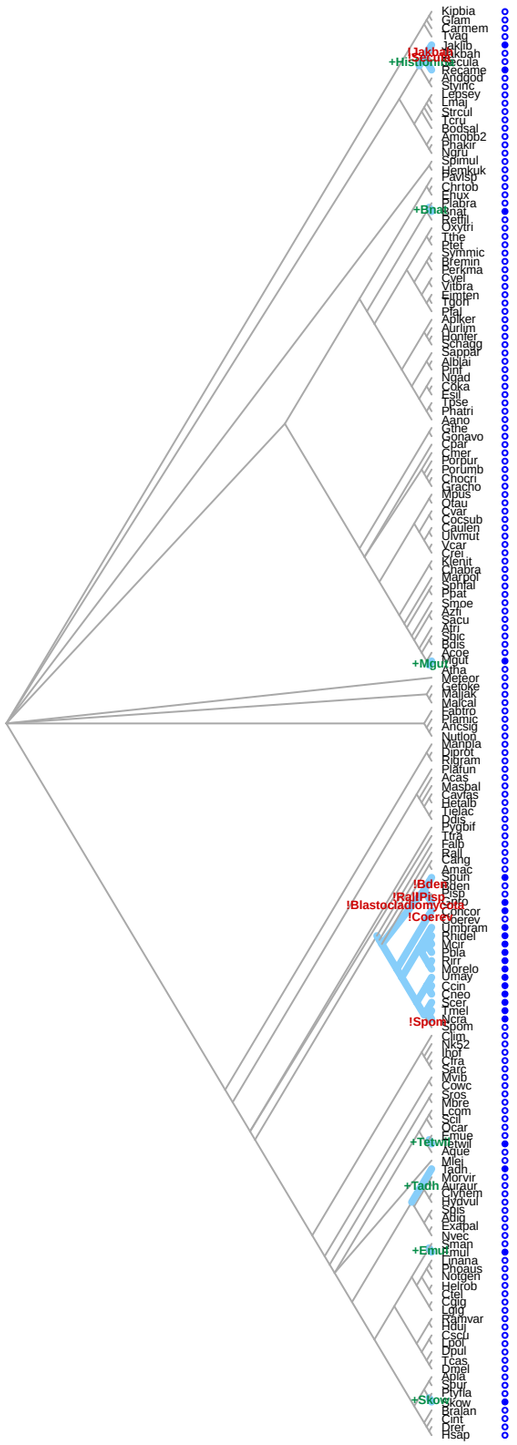
KAT11.HG1.1
CREBBP/EP300
zf−TAZ,KIX,Bromodomain,HAT_KAT11,ZZ
zf−TAZ,KIX,Bromodomain,DUF902,HAT_KAT11,ZZ,zf−rbx1
zf−TAZ,KIX,Bromodomain,DUF902,HAT_KAT11,ZZ,Creb_binding
zf−TAZ,KIX,Bromodomain,DUF902,HAT_KAT11,ZZ | n=16
zf−TAZ,KIX,Bromodomain,DUF902,HAT_KAT11,Creb_binding | n=1
zf−TAZ,KIX,Bromodomain,DUF902,HAT_KAT11 | n=6
zf−TAZ,KIX_2,Bromodomain,DUF902,HAT_KAT11,ZZ | n=2
zf−TAZ,HAT_KAT11,ZZ | n=16
zf−TAZ,HAT_KAT11 | n=8
zf−TAZ,Bromodomain,PHD,HAT_KAT11,ZZ | n=3
zf−TAZ,Bromodomain,HAT_KAT11,ZZ | n=7
zf−TAZ,Bromodomain,HAT_KAT11 | n=1
zf−TAZ,Bromodomain,DUF902,HAT_KAT11,ZZ | n=5
zf−TAZ,Bromodomain,DUF902,HAT_KAT11 | n=1
zf−TAZ | n=1
Pkinase_Tyr,Bromodomain,DUF902,HAT_KAT11,ZZ,zf−TAZ,Creb_binding | n=2
PHD,HAT_KAT11,ZZ,zf−TAZ | n=4
PHD,HAT_KAT11,ZZ | n=1
PHD,HAT_KAT11,zf−TAZ | n=1
KIX,Bromodomain,DUF902,HAT_KAT11,ZZ,zf−TAZ,Creb_binding | n=1
KIX,Bromodomain,DUF902,HAT_KAT11,ZZ,zf−TAZ | n=3
KIX,Bromodomain,DUF902,HAT_KAT11 | n=1
KIX_2,zf−TAZ,Bromodomain,PHD,HAT_KAT11,ZZ | n=1
KIX_2,zf−TAZ,Bromodomain,PHD,HAT_KAT11 | n=1
KIX_2,zf−TAZ,Bromodomain,HAT_KAT11,ZZ | n=3
KIX_2,Bromodomain,HAT_KAT11,ZZ,zf−TAZ | n=1
HAT_KAT11,ZZ,zf−TAZ | n=5
HAT_KAT11,ZZ | n=2
HAT_KAT11,zf−TAZ,Creb_binding | n=1
HAT_KAT11,zf−TAZ | n=4
HAT_KAT11,PHD | n=1
HAT_KAT11,Bromodomain,ZZ | n=1
HAT_KAT11 | n=21
DUF902,HAT_KAT11 | n=1
Bromodomain,PHD,HAT_KAT11,ZZ,zf−TAZ | n=2
Bromodomain,PHD,HAT_KAT11,ZZ | n=1
Bromodomain,PHD,HAT_KAT11,zf−TAZ | n=1
Bromodomain,PHD,HAT_KAT11 | n=1
Bromodomain,HAT_KAT11,ZZ,zf−TAZ | n=1
Bromodomain,HAT_KAT11,zf−TAZ | n=2
Bromodomain,HAT_KAT11 | n=13
Bromodomain,DUF902,HAT_KAT11,ZZ,zf−TAZ,Creb_binding | n=2
Bromodomain,DUF902,HAT_KAT11,ZZ,zf−TAZ | n=4
Bromodomain,DUF902,HAT_KAT11,ZZ,Creb_binding | n=1
Bromodomain,DUF902,HAT_KAT11 | n=1
| n=2
0 5 10 15 20 25
Frequency
Gain: NA
Presence Eukaryota prob = 1.00
Present: 89
Losses: NA

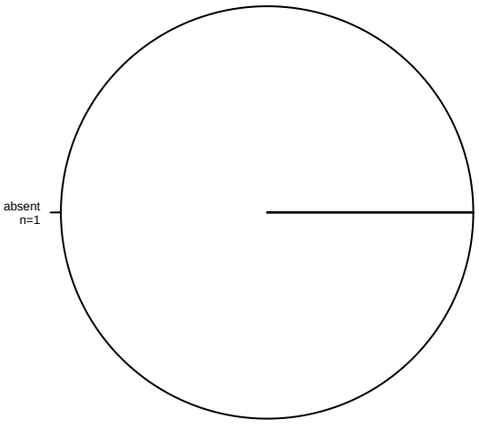


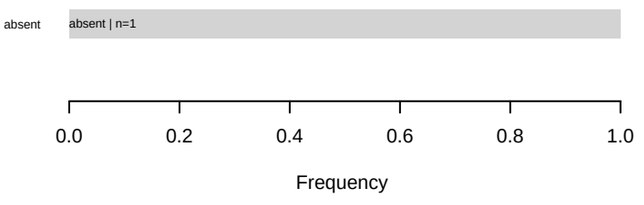




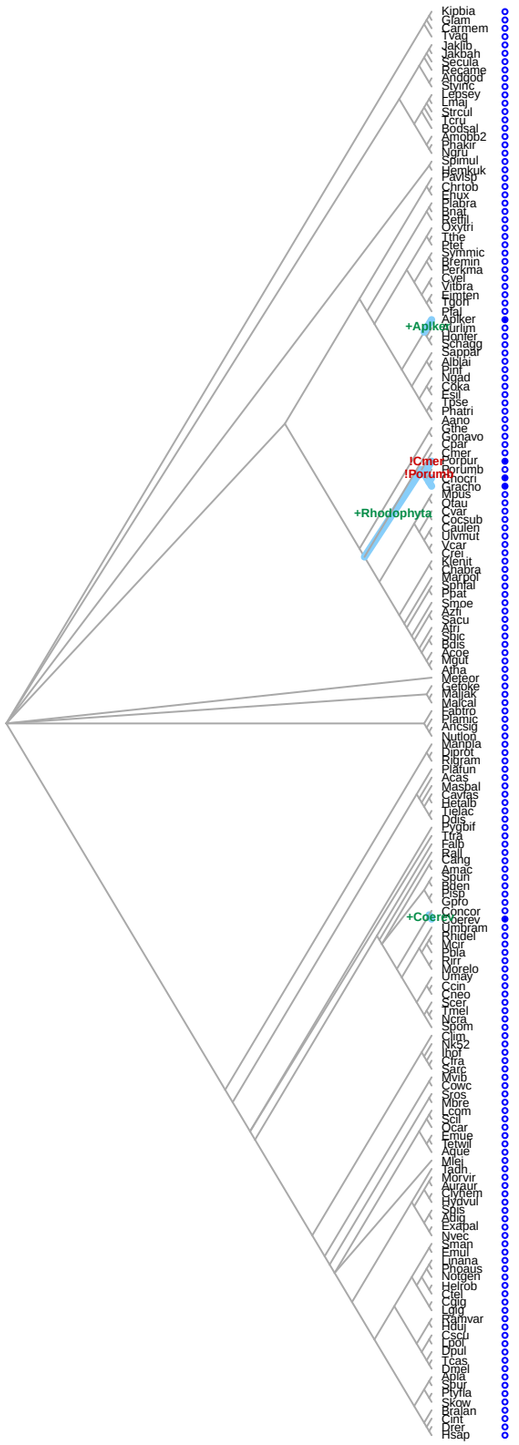
Gain: Fungi,NA
Presence Eukaryota prob = 0.00
Present: 21
Losses: NA

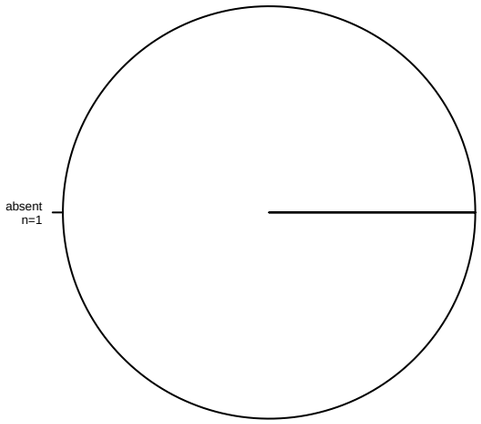


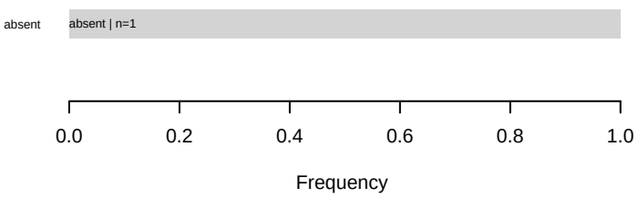




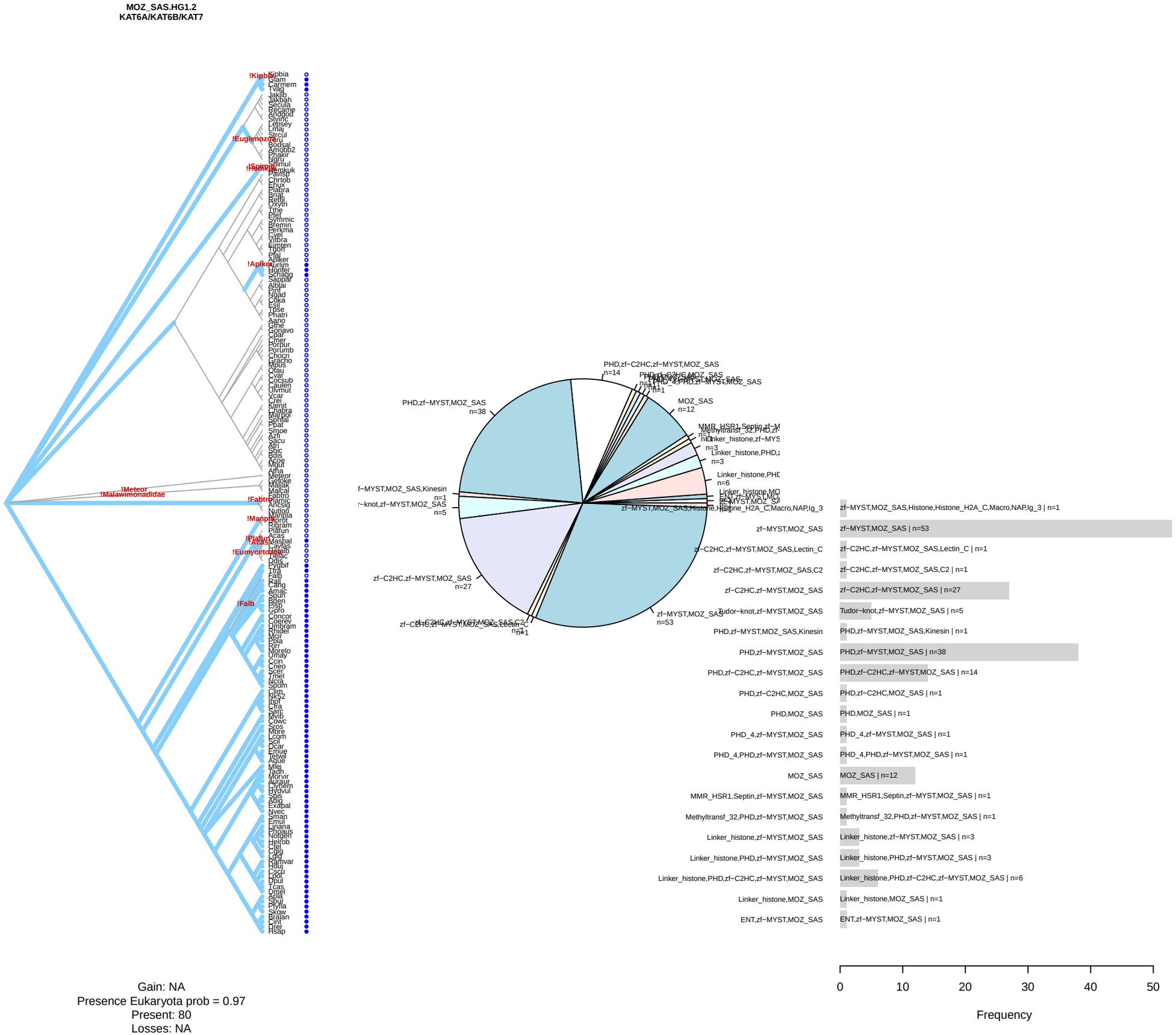
Gain: Skow,Emul,Tadh,Tetwil,Mgut,Bnat,Histionina,NA
Presence Eukaryota prob = 0.05
Present: 23
Losses: NA

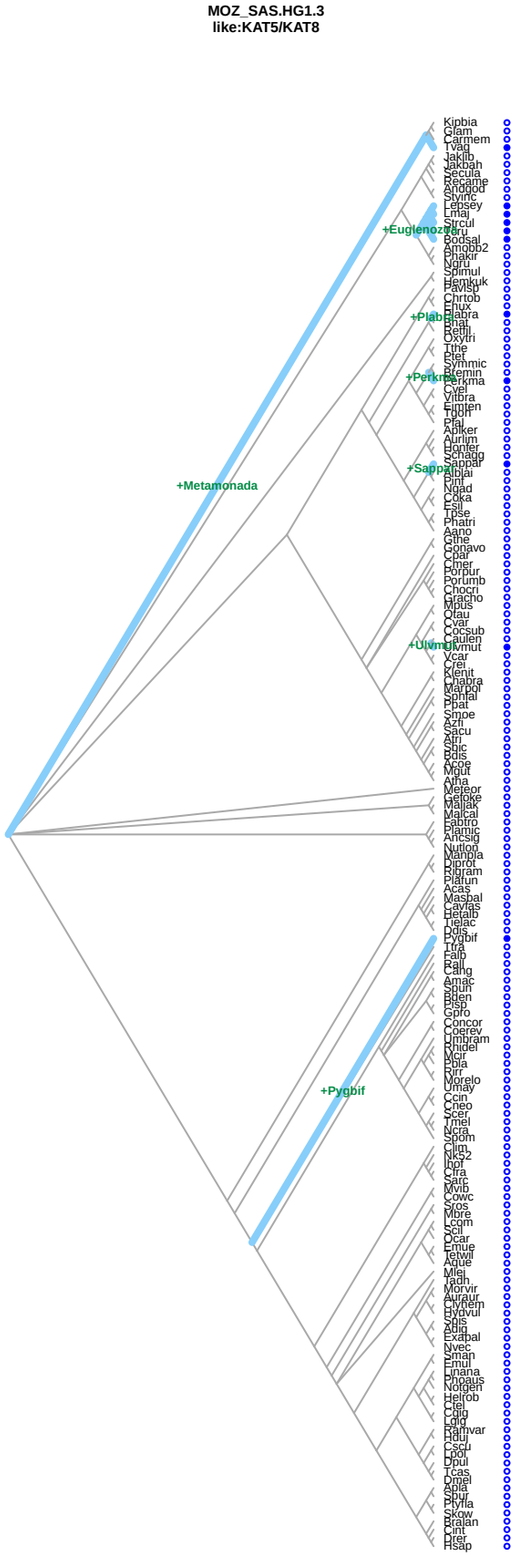


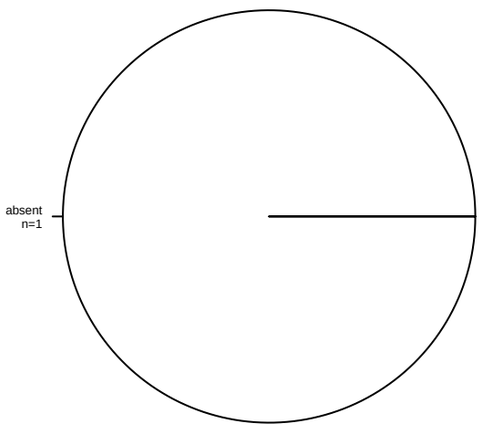


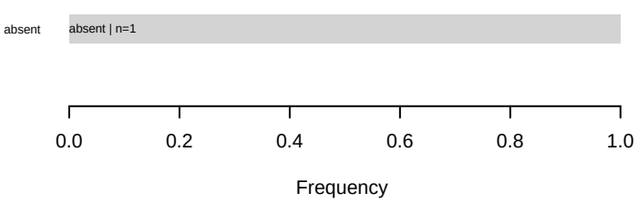


Gain: Coerev,Rhodophyta,Aplker,NA
Presence Eukaryota prob = 0.00
Present: 5
Losses: NA

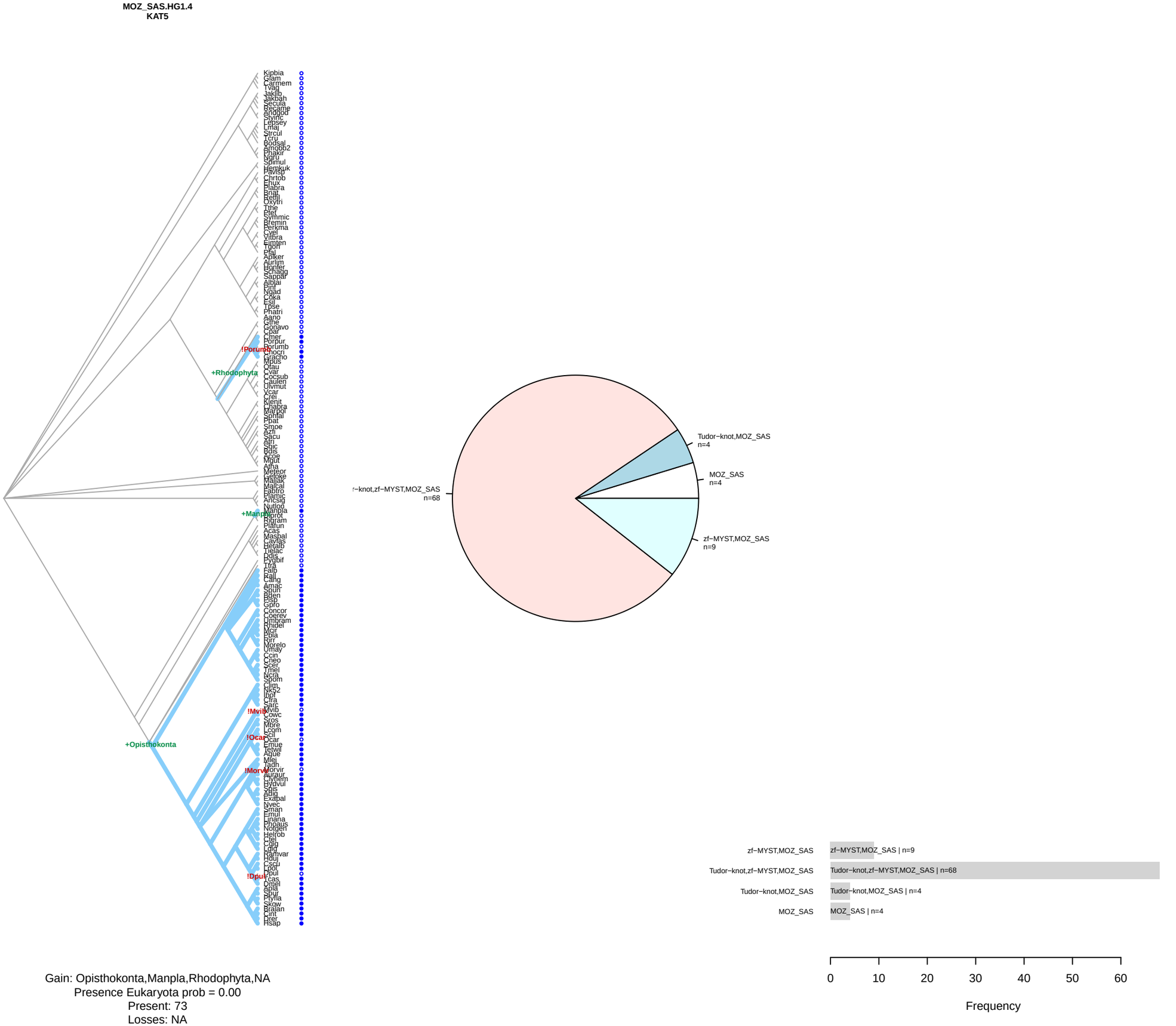

MOZ_SAS.HG1.2
KAT6A/KAT6B/KAT7
!Kipbia
!Euglenozoa
!Spimul
!Hemhal
!Aplkes
!Meteor
!Malawimonadidae
!Fabtro
!Mappla
!Plafun
!Acas
!Eumycetozoa
!Falb
PHD,zf−C2HC,zf−MYST,MOZ_SAS
n=14
PHD,zf−MYST,MOZ_SAS
n=38
MOZ_SAS
n=12
zf−MYST,MOZ_SAS,Kinesin
n=1
Tudor−knot,zf−MYST,MOZ_SAS
n=5
zf−C2HC,zf−MYST,MOZ_SAS
n=27
zf−MYST,MOZ_SAS
n=53
zf−MYST,MOZ_SAS,Histone,Histone_H2A_C,Macro,NAP,Ig_3 | n=1
zf−MYST,MOZ_SAS | n=53
zf−C2HC,zf−MYST,MOZ_SAS,Lectin_C | n=1
zf−C2HC,zf−MYST,MOZ_SAS,C2 | n=1
zf−C2HC,zf−MYST,MOZ_SAS | n=27
Tudor−knot,zf−MYST,MOZ_SAS | n=5
PHD,zf−MYST,MOZ_SAS,Kinesin | n=1
PHD,zf−MYST,MOZ_SAS | n=38
PHD,zf−C2HC,zf−MYST,MOZ_SAS | n=14
PHD,zf−C2HC,MOZ_SAS | n=1
PHD,MOZ_SAS | n=1
PHD_4,zf−MYST,MOZ_SAS | n=1
PHD_4,PHD,zf−MYST,MOZ_SAS | n=1
MOZ_SAS | n=12
MMR_HSR1,Septin,zf−MYST,MOZ_SAS | n=1
Methyltransf_32,PHD,zf−MYST,MOZ_SAS | n=1
Linker_histone,zf−MYST,MOZ_SAS | n=3
Linker_histone,PHD,zf−MYST,MOZ_SAS | n=3
Linker_histone,PHD,zf−C2HC,zf−MYST,MOZ_SAS | n=6
Linker_histone,MOZ_SAS | n=1
ENT,zf−MYST,MOZ_SAS | n=1
0
10
20
30
40
50
Frequency
Gain: NA
Presence Eukaryota prob = 0.97
Present: 80
Losses: NA

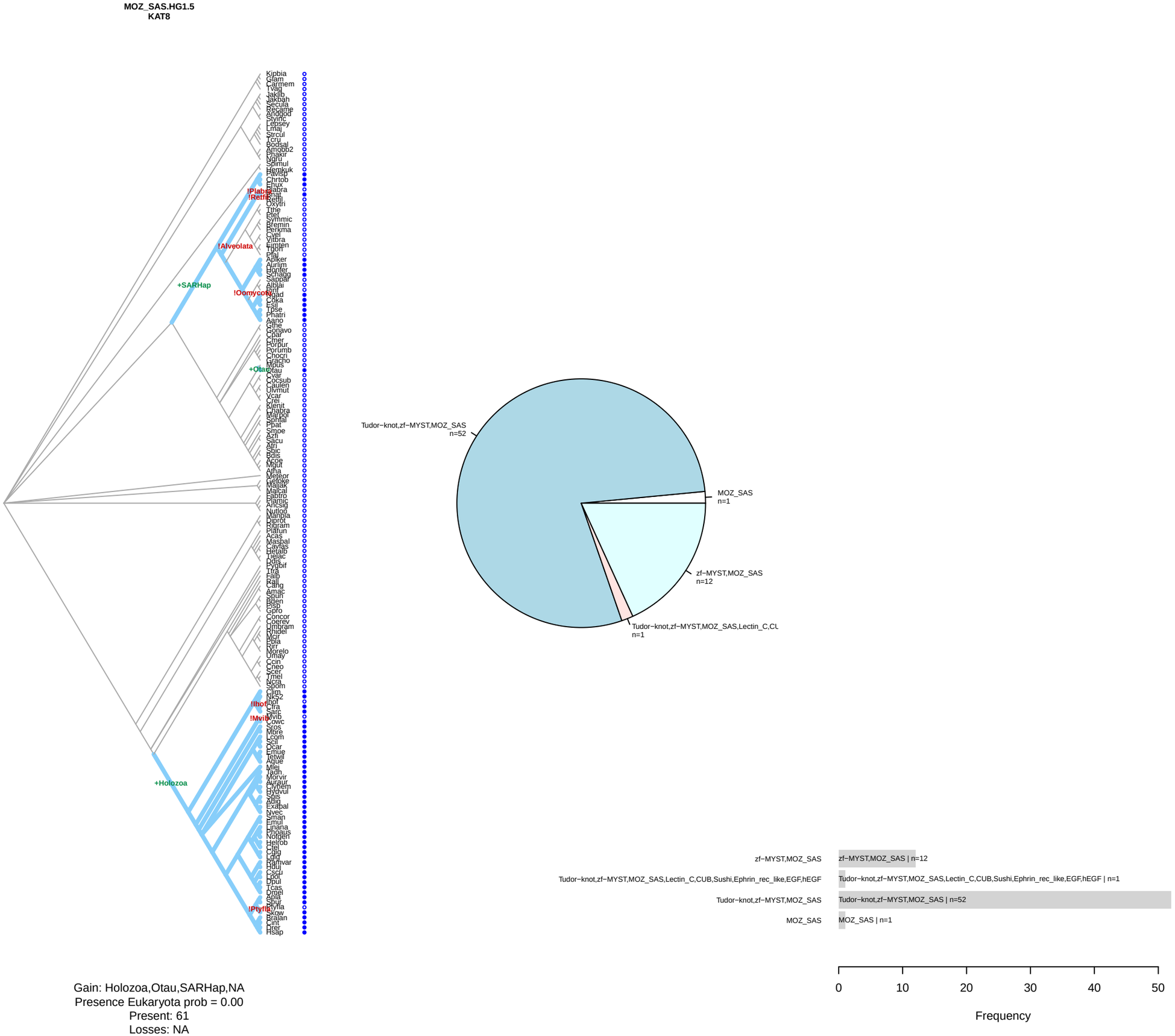


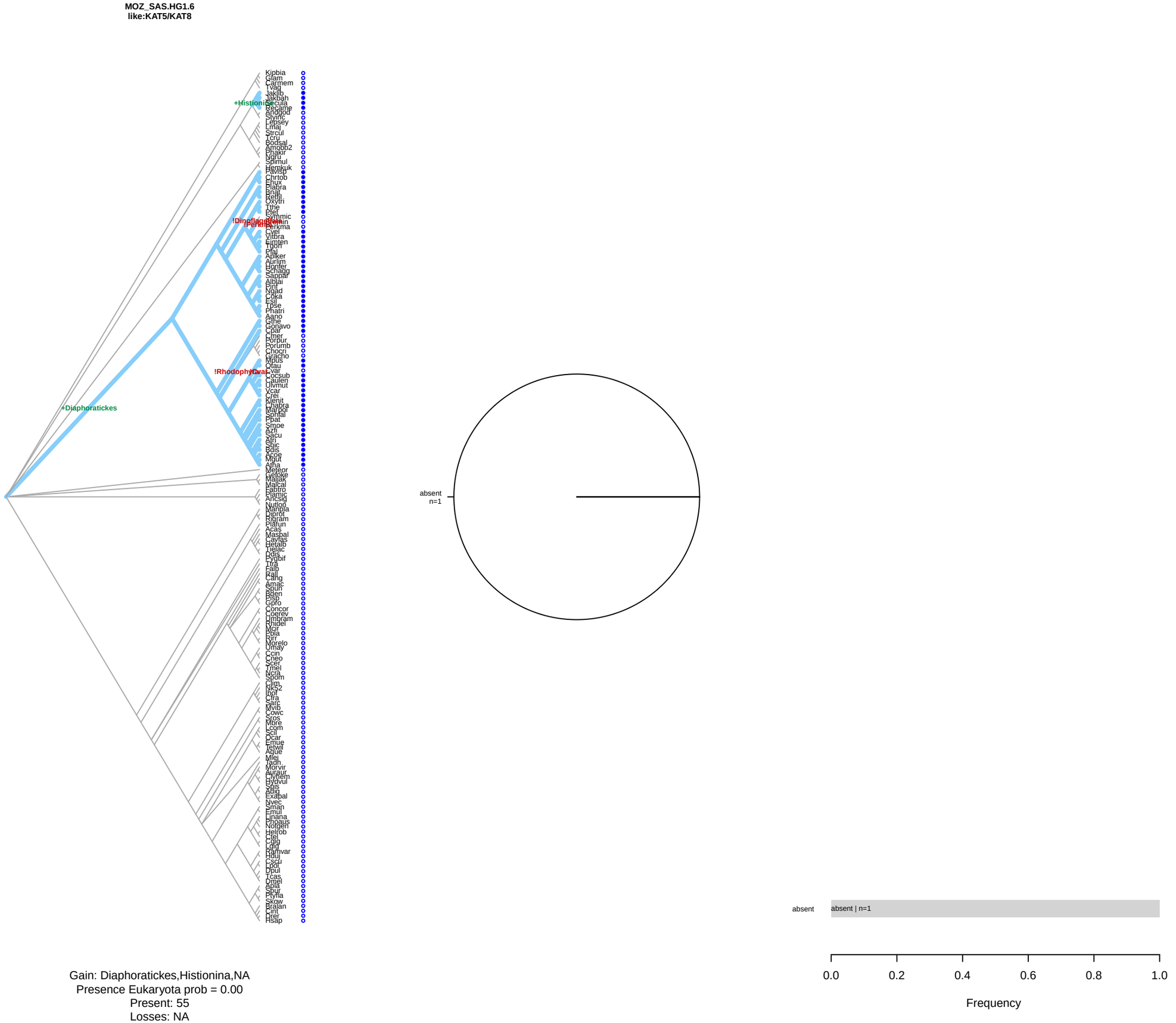




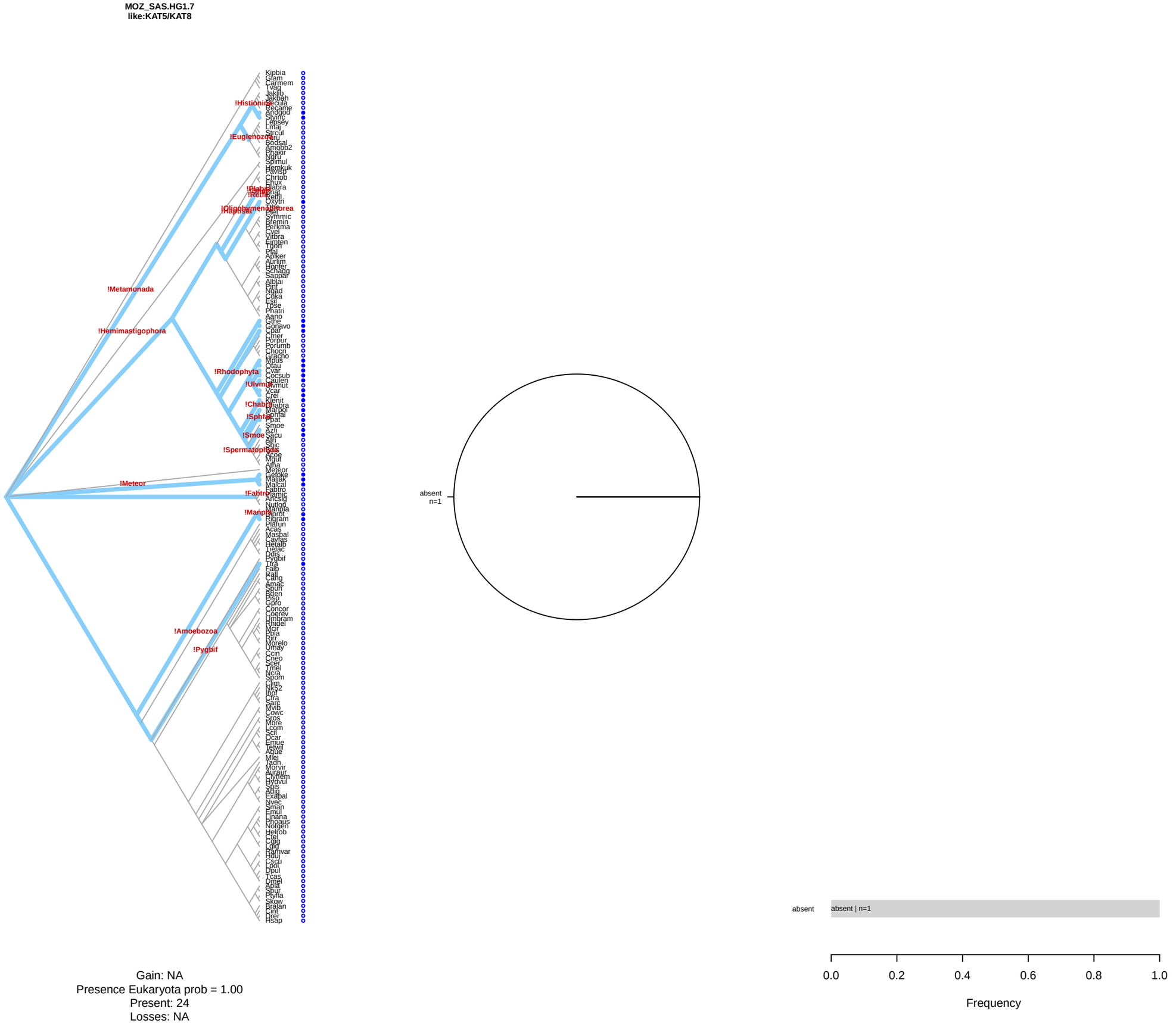
Gain: Pygbif,Ulvmut,Sappar,Perkma,Plabra,Euglenozoa,Metamonada,NA
Presence Eukaryota prob = 0.00
Present: 11
Losses: NA


MOZ_SAS.HG1.4
KAT5
!Porumb
+Rhodophyta
+Manpla
+Opisthokonta
!Mvib
!Ocar
!Morvir
!Dpul
Tudor−knot,MOZ_SAS
n=4
MOZ_SAS
n=4
zf−MYST,MOZ_SAS
n=9
r−knot,zf−MYST,MOZ_SAS
n=68
zf−MYST,MOZ_SAS
Tudor−knot,zf−MYST,MOZ_SAS
Tudor−knot,MOZ_SAS
MOZ_SAS
zf−MYST,MOZ_SAS | n=9
Tudor−knot,zf−MYST,MOZ_SAS | n=68
Tudor−knot,MOZ_SAS | n=4
MOZ_SAS | n=4
0
10
20
30
40
50
60
Frequency
Gain: Opisthokonta,Manpla,Rhodophyta,NA
Presence Eukaryota prob = 0.00
Present: 73
Losses: NA

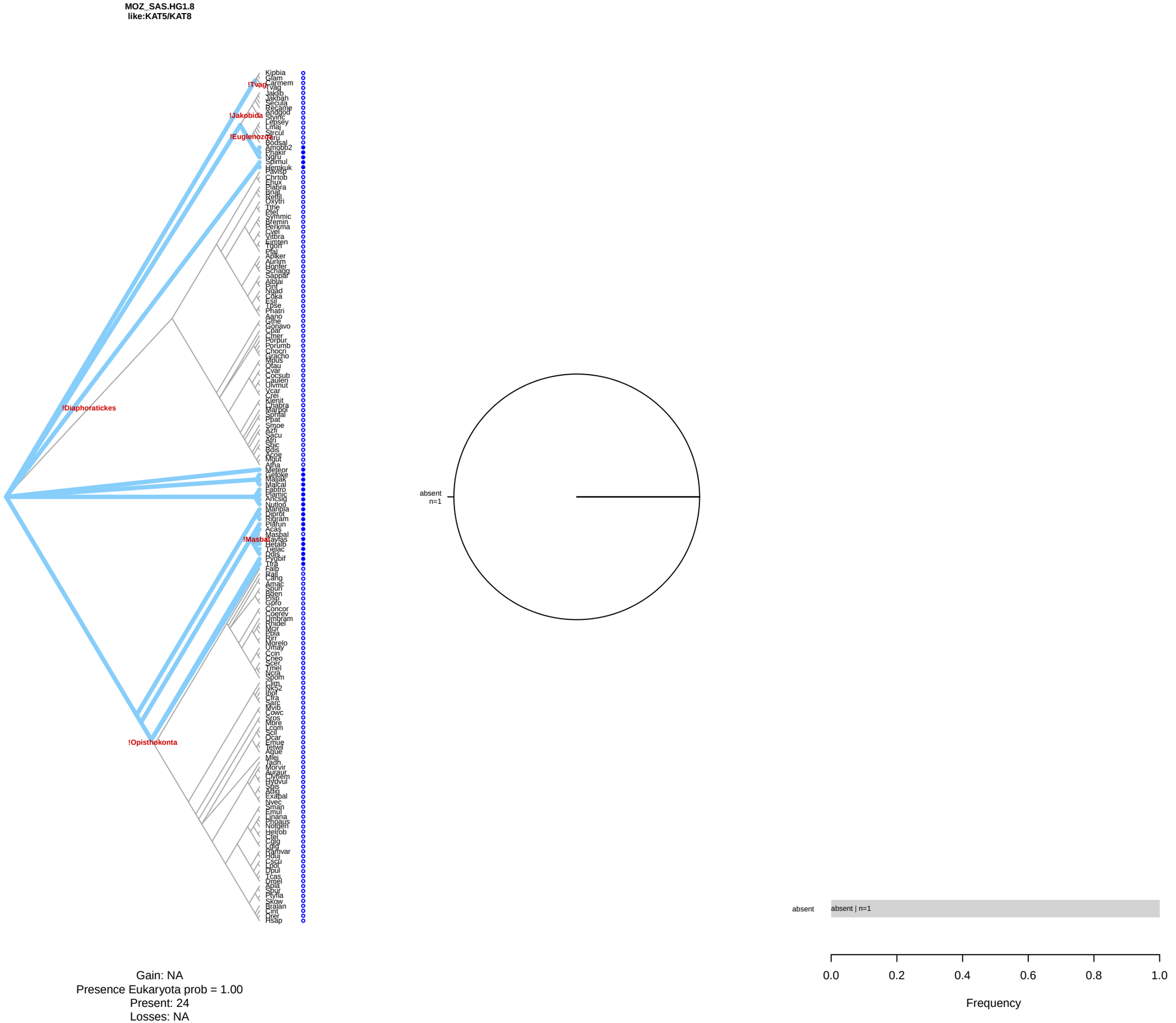

MOZ_SAS.HG1.5
KAT8
!Plabra
!Retfil
!Alveolata
+SARHap
!Oomycota
+Otau
!Ilhof
!Mvil
+Holozoa
!Ptyfla
Tudor−knot,zf−MYST,MOZ_SAS
n=52
MOZ_SAS
n=1
zf−MYST,MOZ_SAS
n=12
Tudor−knot,zf−MYST,MOZ_SAS,Lectin_C,CU
n=1
zf−MYST,MOZ_SAS
Tudor−knot,zf−MYST,MOZ_SAS,Lectin_C,CUB,Sushi,Ephrin_rec_like,EGF,hEGF
Tudor−knot,zf−MYST,MOZ_SAS
MOZ_SAS
zf−MYST,MOZ_SAS | n=12
Tudor−knot,zf−MYST,MOZ_SAS,Lectin_C,CUB,Sushi,Ephrin_rec_like,EGF,hEGF | n=1
Tudor−knot,zf−MYST,MOZ_SAS | n=52
MOZ_SAS | n=1
0
10
20
30
40
50
Frequency
Gain: Holozoa,Otau,SARHap,NA
Presence Eukaryota prob = 0.00
Present: 61
Losses: NA



Gain: Diaphoratickes,Histionina,NA
Presence Eukaryota prob = 0.00
Present: 55
Losses: NA



Gain: NA
Presence Eukaryota prob = 1.00
Present: 24
Losses: NA



Gain: NA
Presence Eukaryota prob = 1.00
Present: 24
Losses: NA