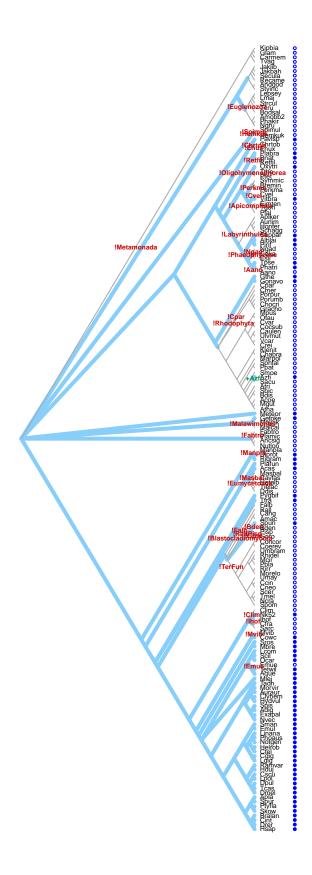
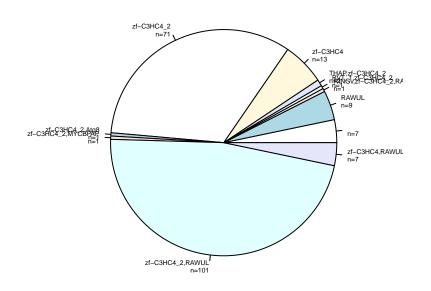
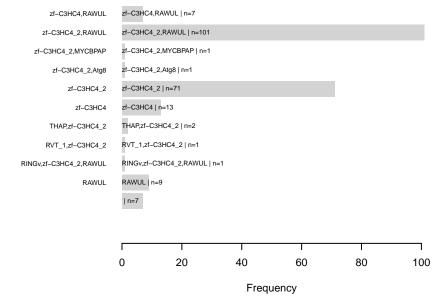


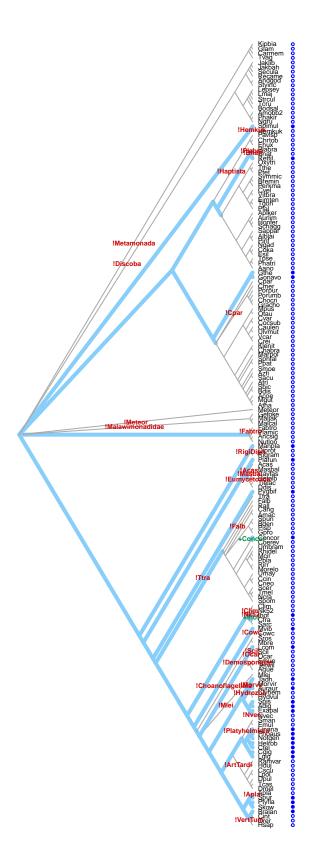
Gain: NA
Presence Eukaryota prob = 1.00
Present: 91
Losses: NA





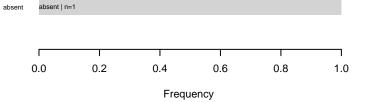


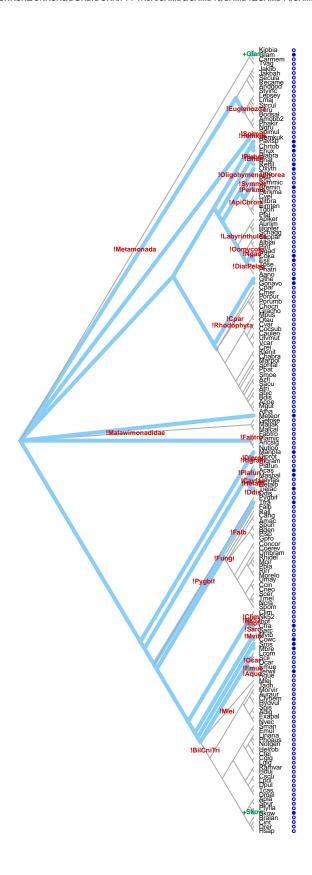
Gain: Azfi,NA
Presence Eukaryota prob = 1.00
Present: 65
Losses: NA

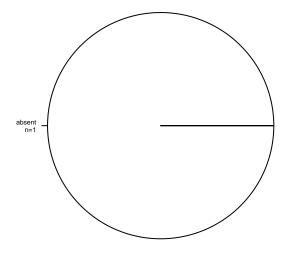


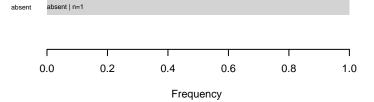


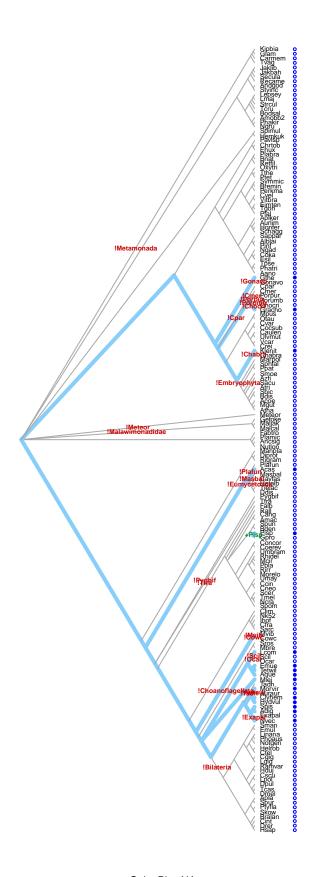
Gain: Ihof,Concor,NA
Presence Eukaryota prob = 0.99
Present: 27
Losses: NA

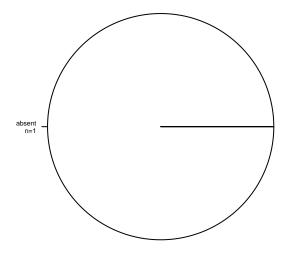




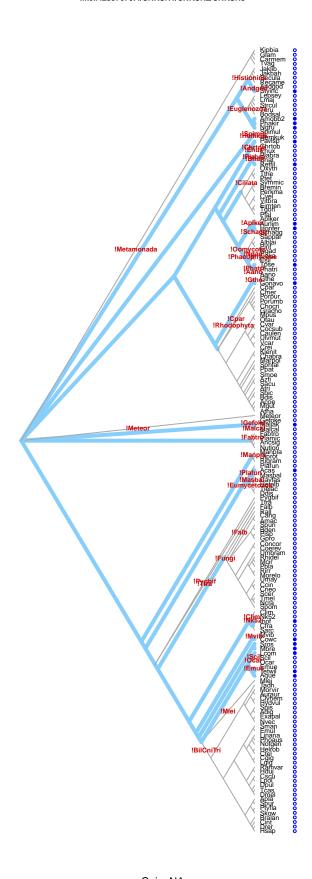




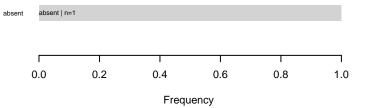




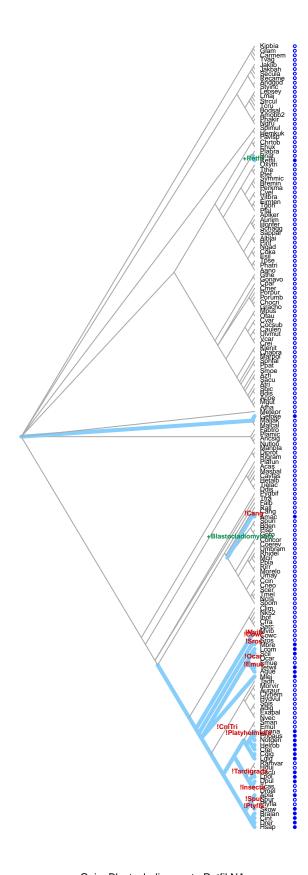


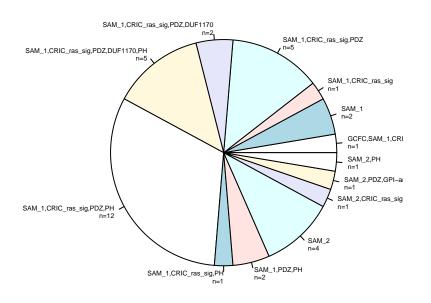


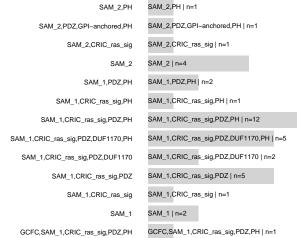


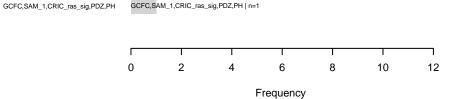


Gain: NA
Presence Eukaryota prob = 1.00
Present: 19
Losses: NA

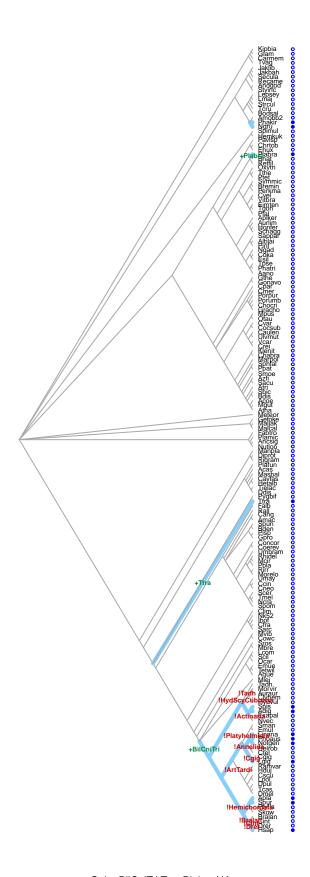


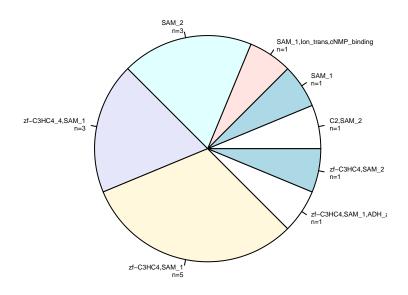


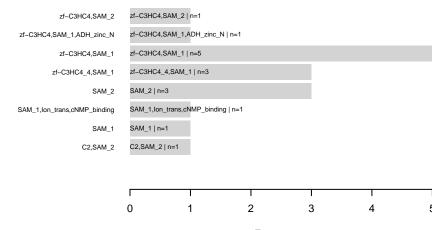




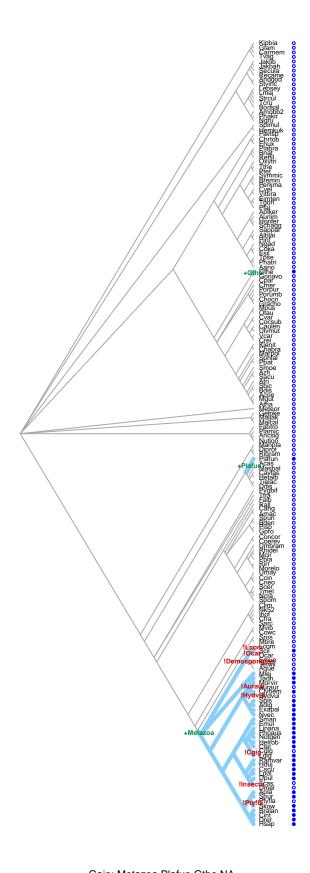
Gain: Blastocladiomycota,Retfil,NA
Presence Eukaryota prob = 0.35
Present: 25
Losses: NA

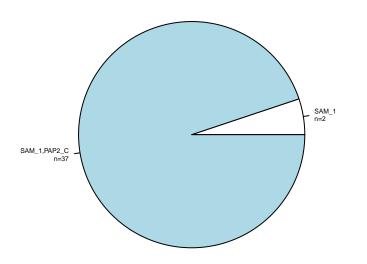


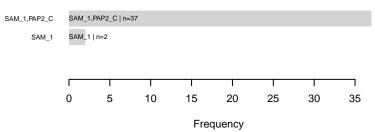




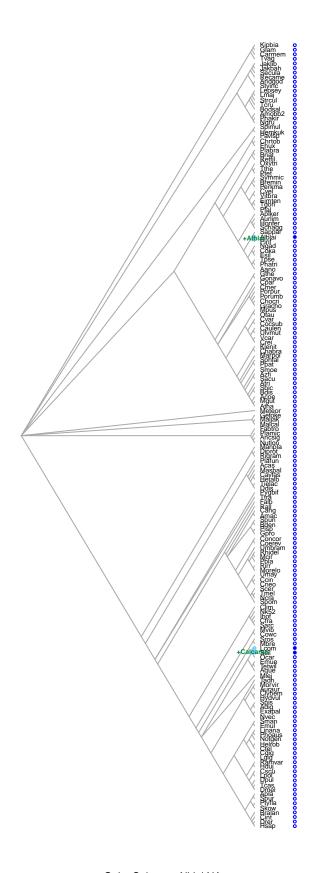
Gain: BilCniTri,Ttra,Plabra,NA Presence Eukaryota prob = 0.24 Present: 13 Losses: NA





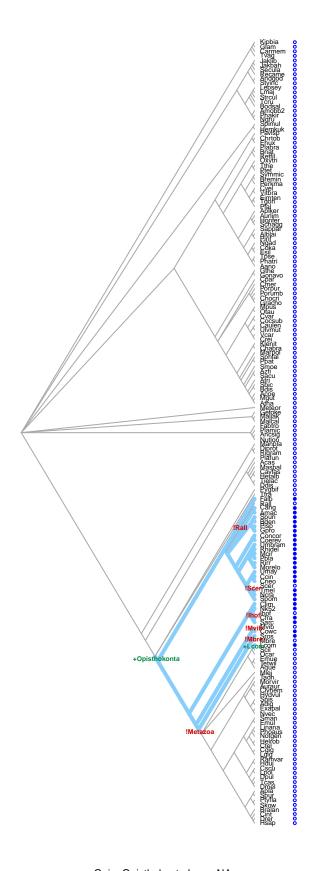


Gain: Metazoa,Plafun,Gthe,NA
Presence Eukaryota prob = 0.13
Present: 31
Losses: NA

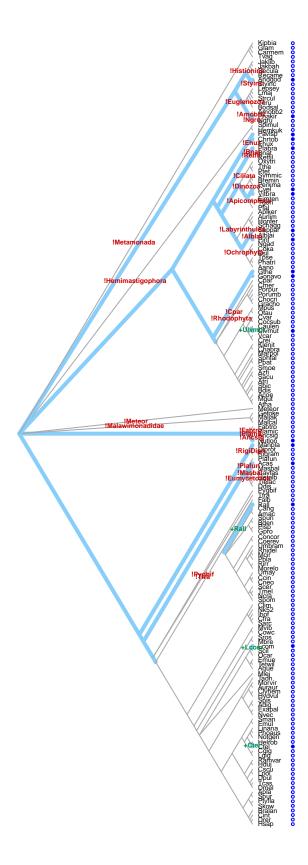


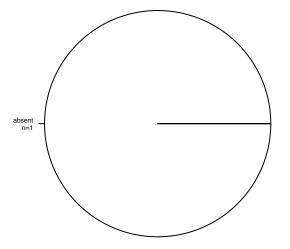




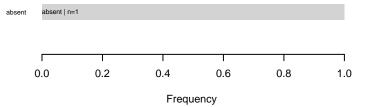


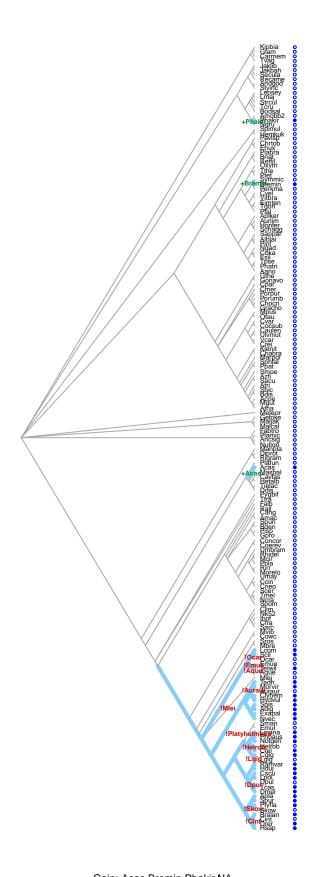


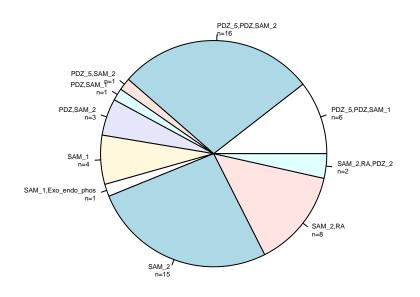


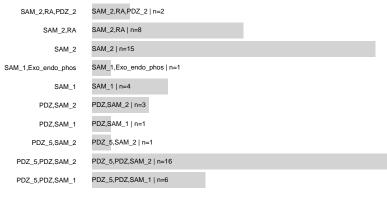


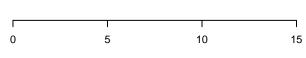
Gain: Ctel,Lcom,Rall,Ulvmut,NA
Presence Eukaryota prob = 1.00
Present: 18
Losses: NA





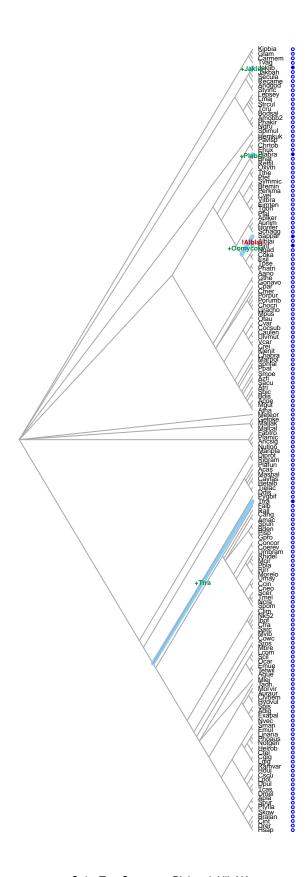


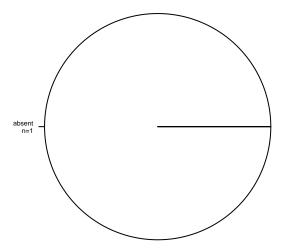




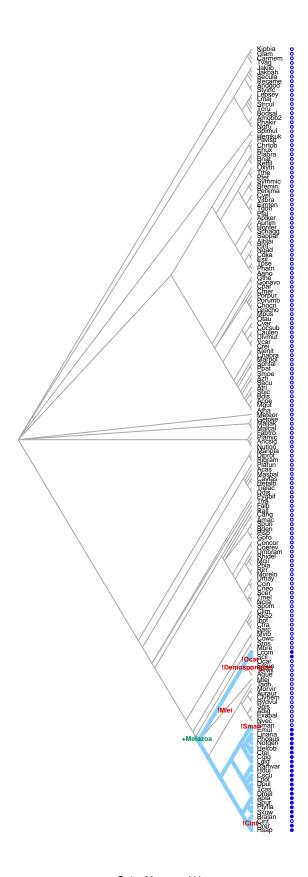
Frequency

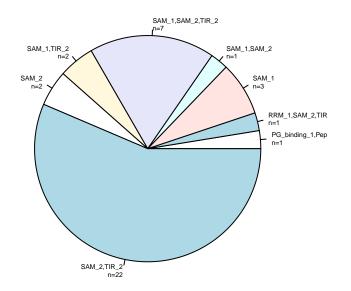
Gain: Acas,Bremin,Phakir,NA Presence Eukaryota prob = 0.39 Present: 31 Losses: NA

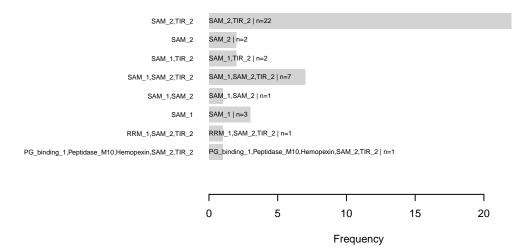




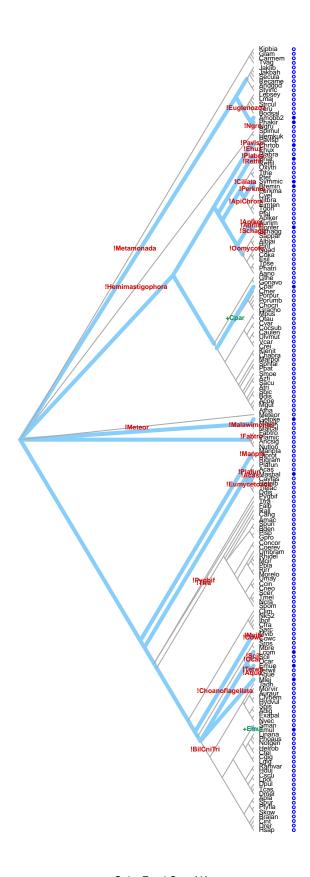


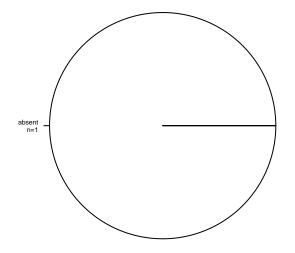


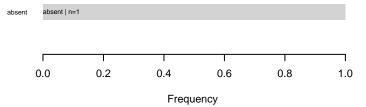




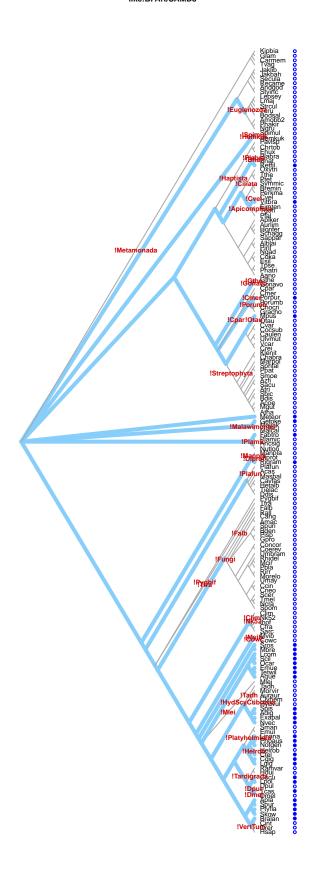
Gain: Metazoa,NA
Presence Eukaryota prob = 0.01
Present: 24
Losses: NA

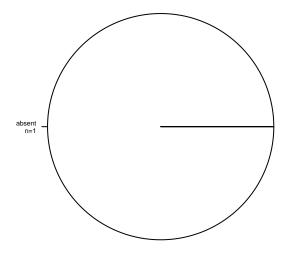


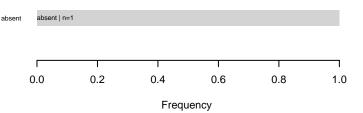




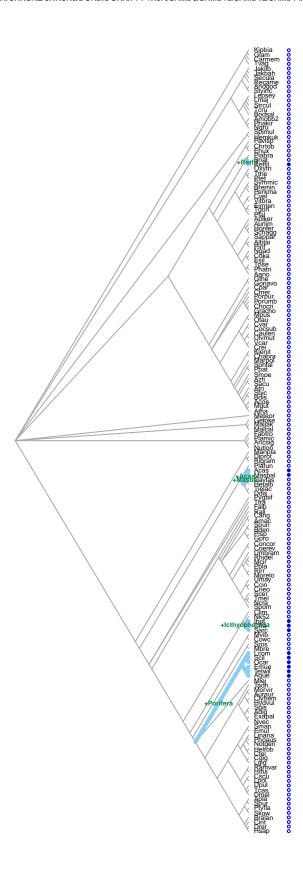
Gain: Emul,Cpar,NA
Presence Eukaryota prob = 0.99
Present: 14
Losses: NA

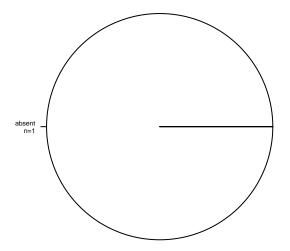


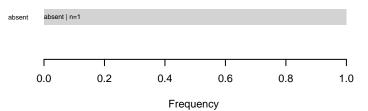


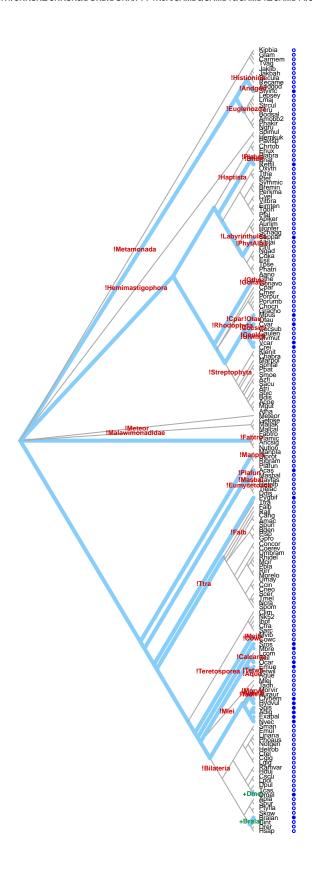


Gain: NA
Presence Eukaryota prob = 1.00
Present: 34
Losses: NA

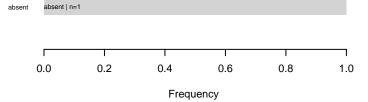


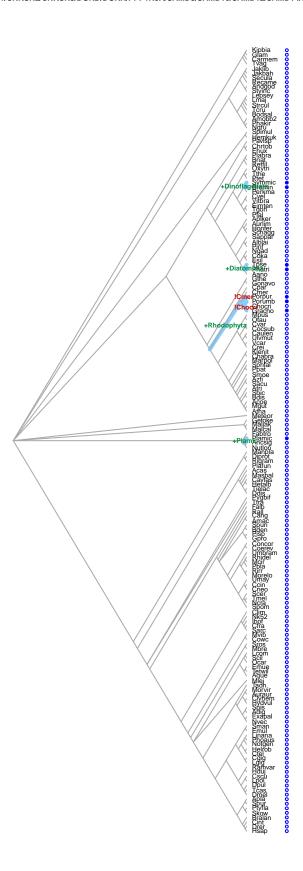


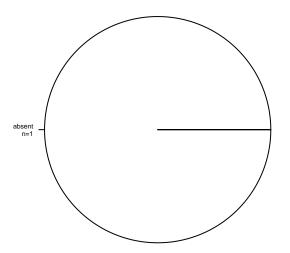


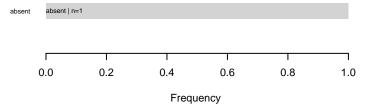


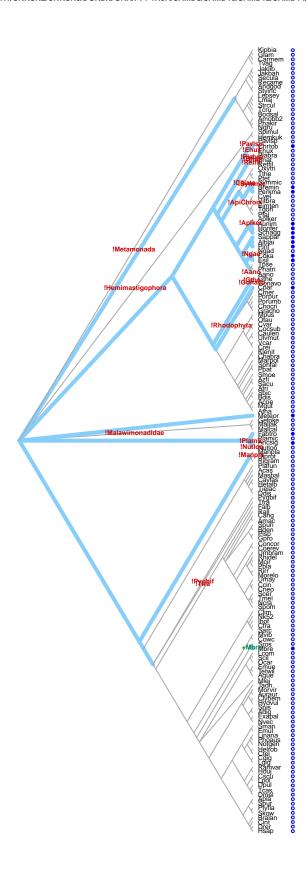


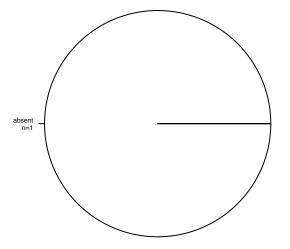


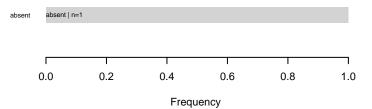


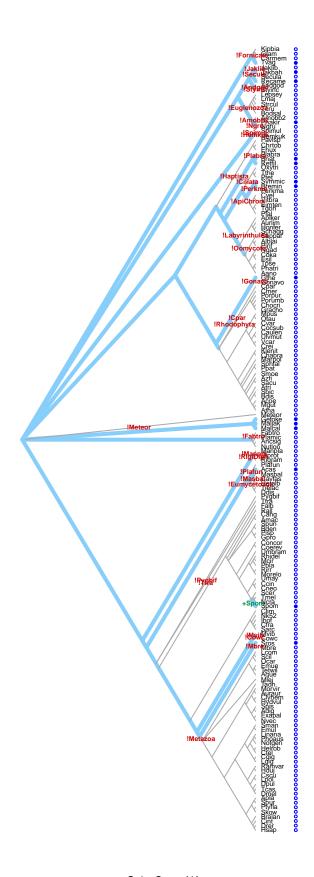


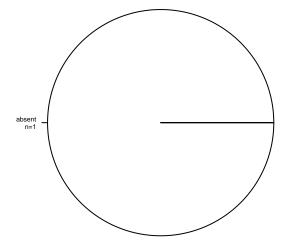


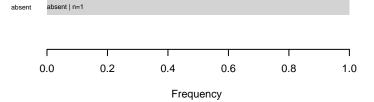


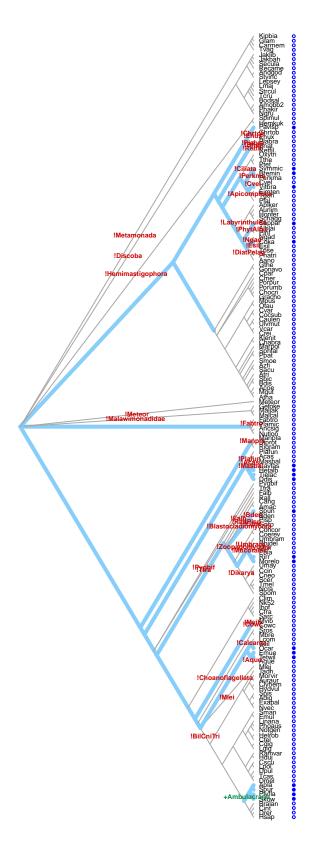


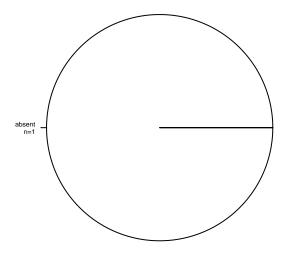




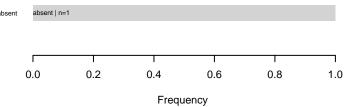


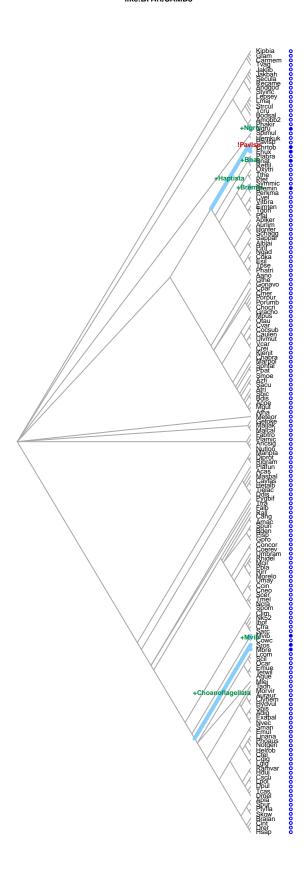






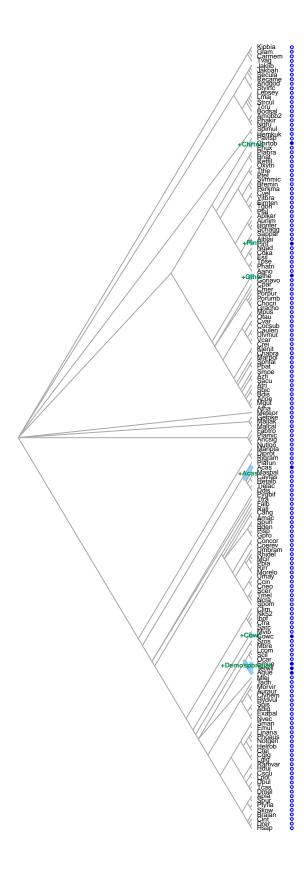
Gain: Ambulacraria,NA
Presence Eukaryota prob = 0.97
Present: 20
Losses: NA

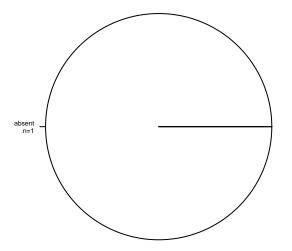


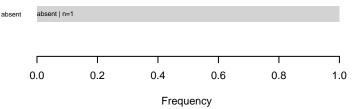


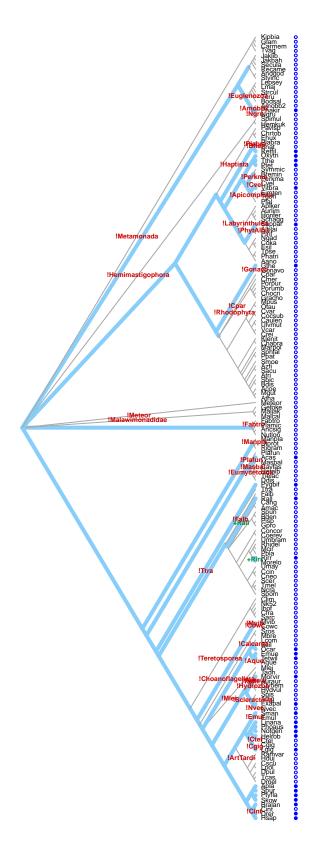


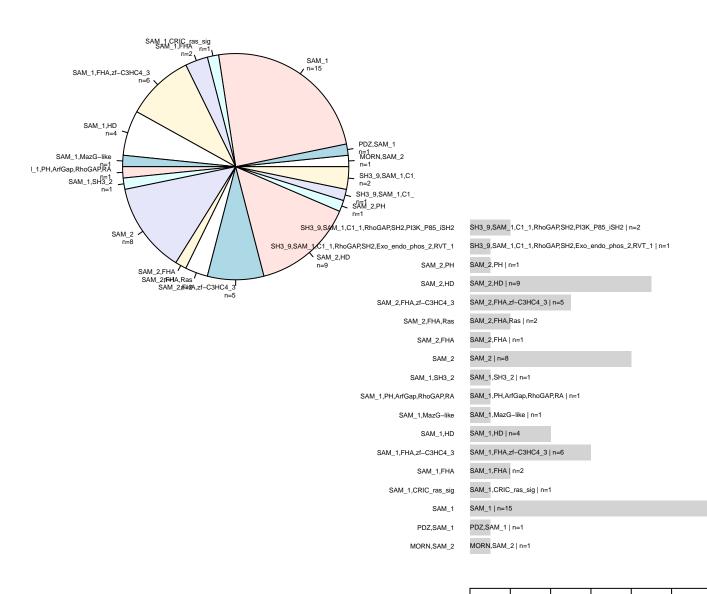












Gain: Rirr,Rall,NA Presence Eukaryota prob = 0.99 Present: 30 Losses: NA

Frequency

8

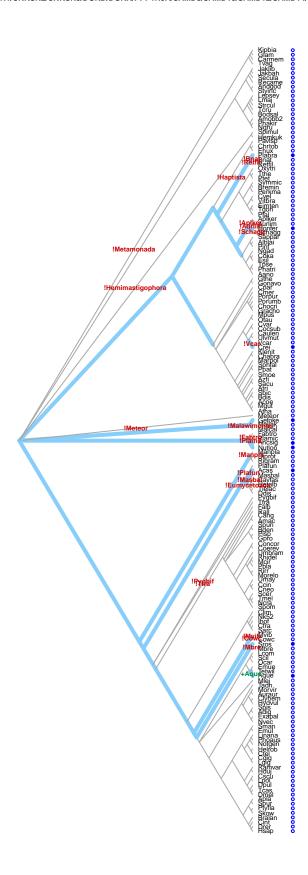
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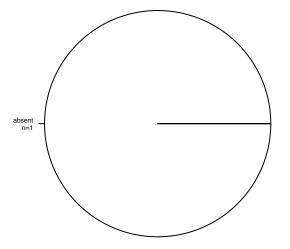
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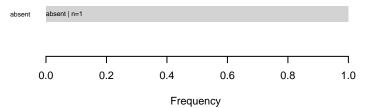
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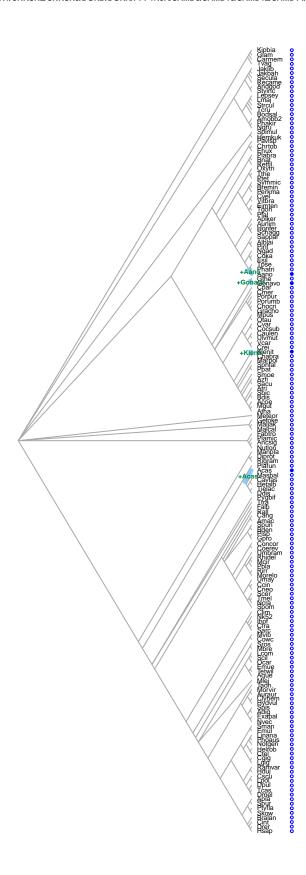
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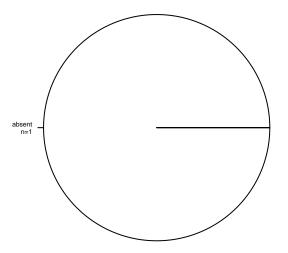
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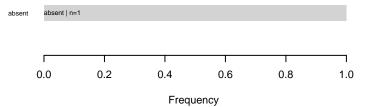


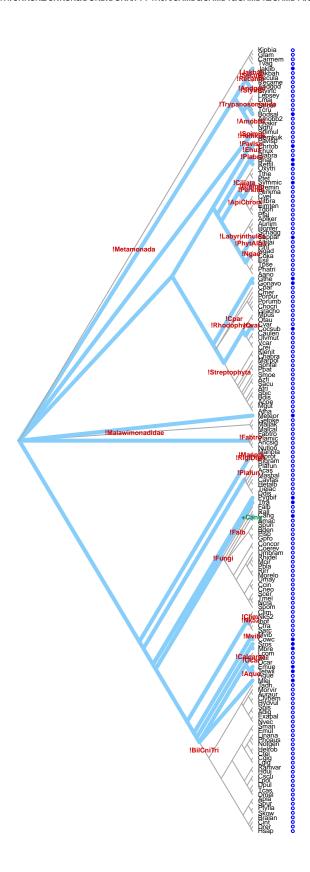






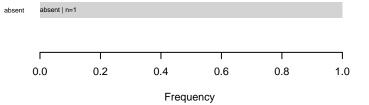


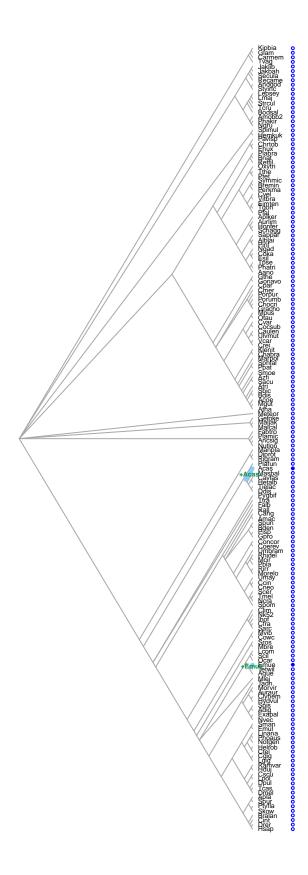


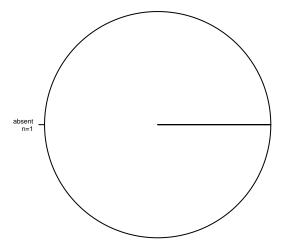


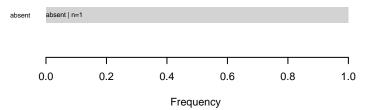


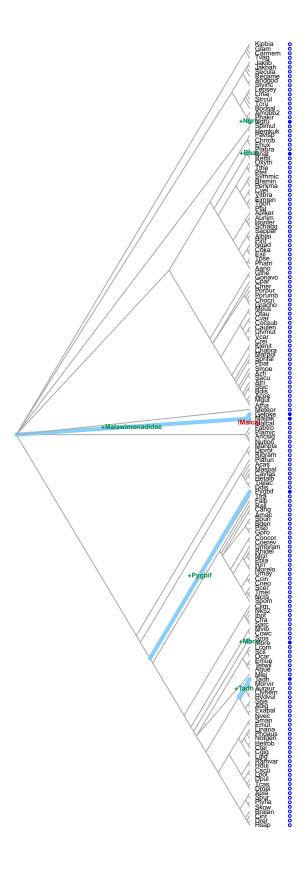
Gain: Cang,NA
Presence Eukaryota prob = 1.00
Present: 20
Losses: NA



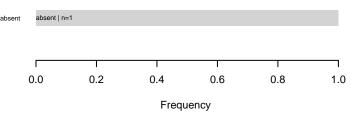


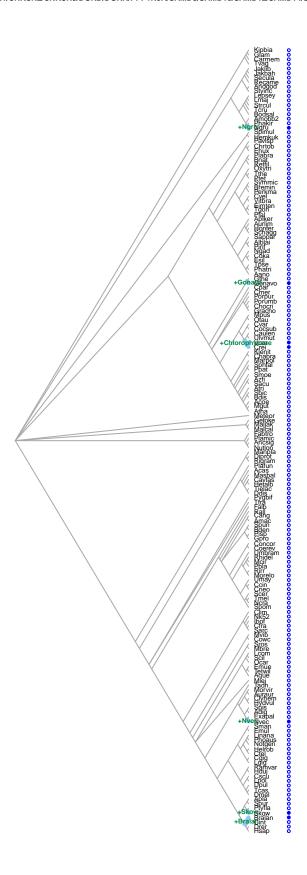


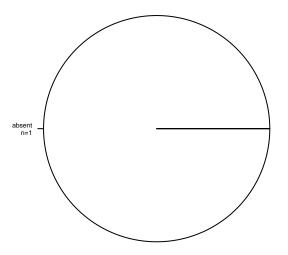


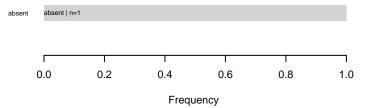


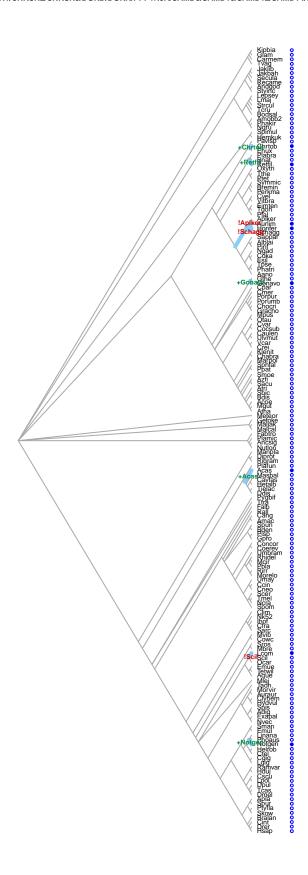




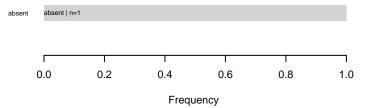


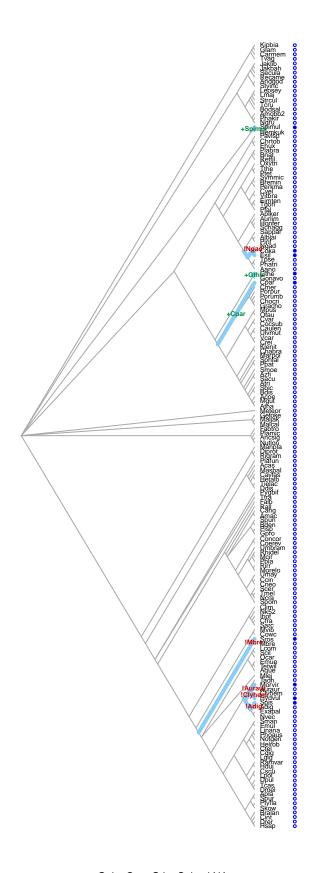






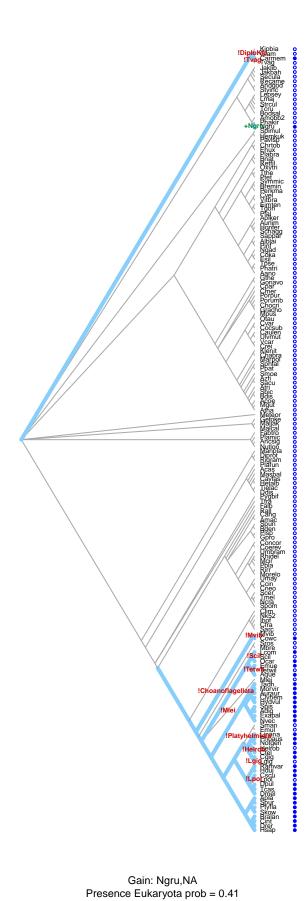






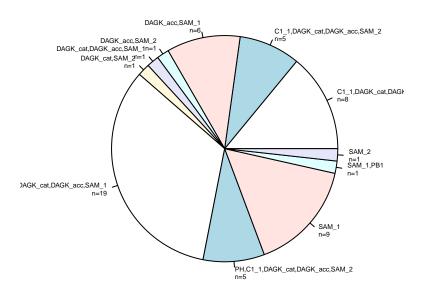


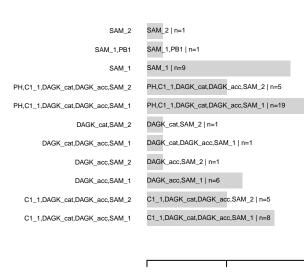




Present: 35

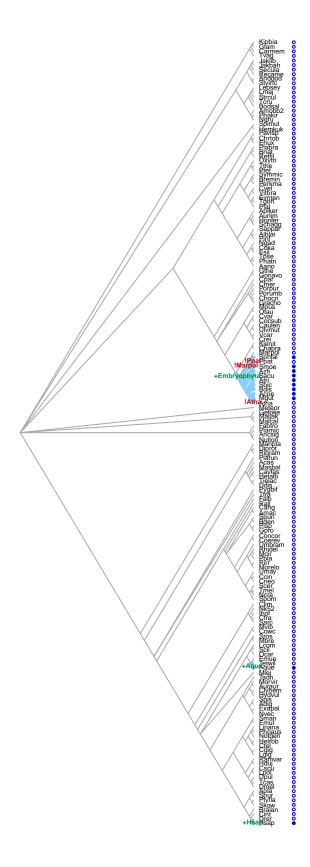
Losses: NA

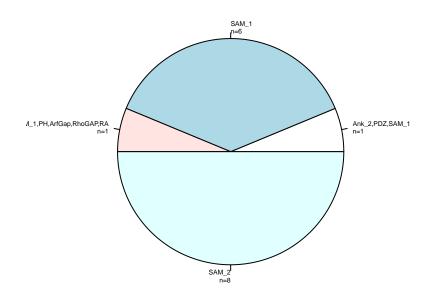


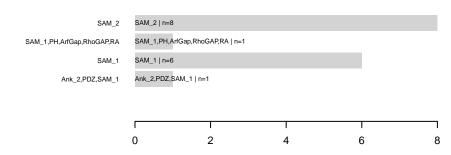




Frequency

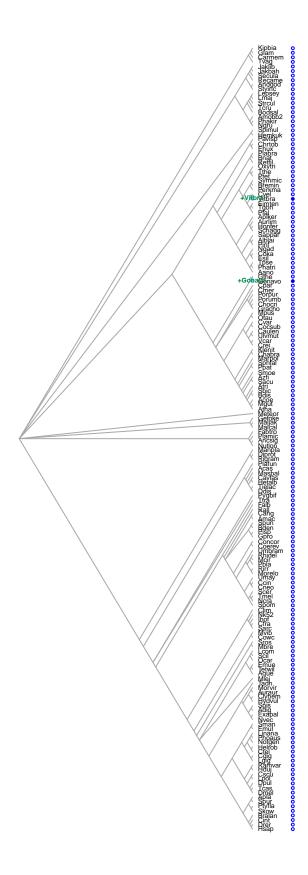


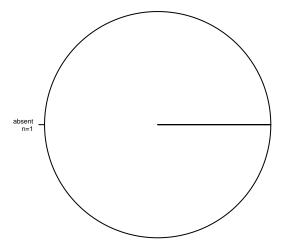


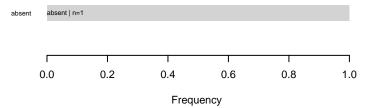


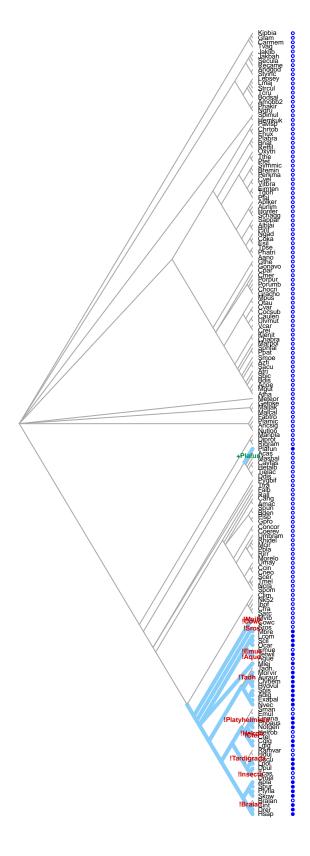
Frequency

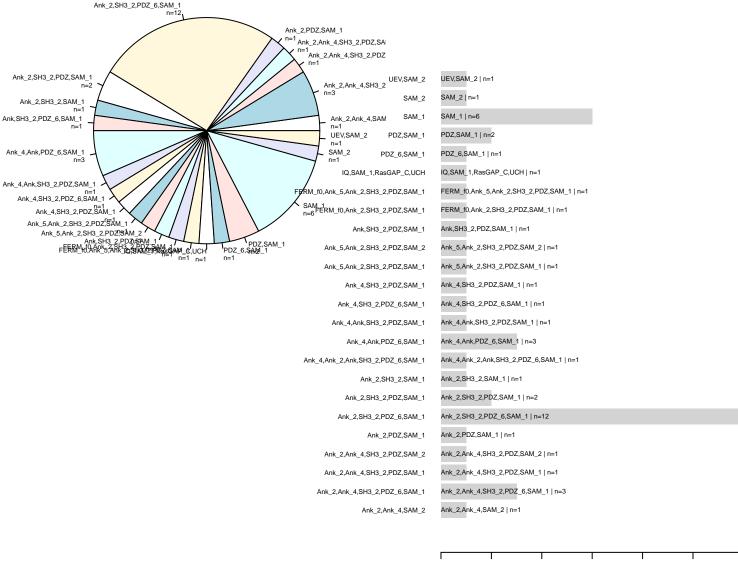
Gain: Hsap,Aque,Embryophyta,NA Presence Eukaryota prob = 0.00 Present: 11 Losses: NA







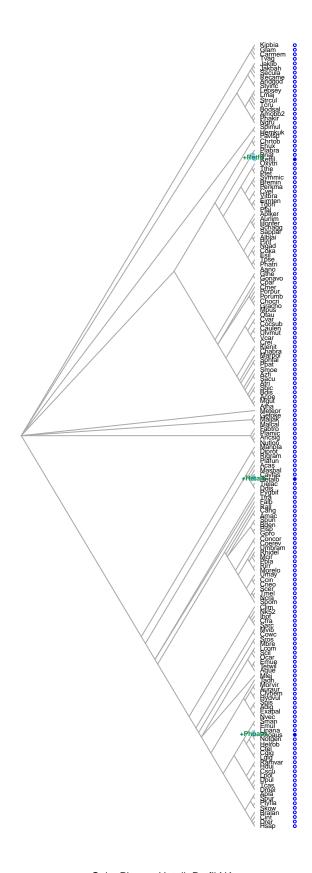




Gain: Plafun,NA
Presence Eukaryota prob = 0.16
Present: 30
Losses: NA

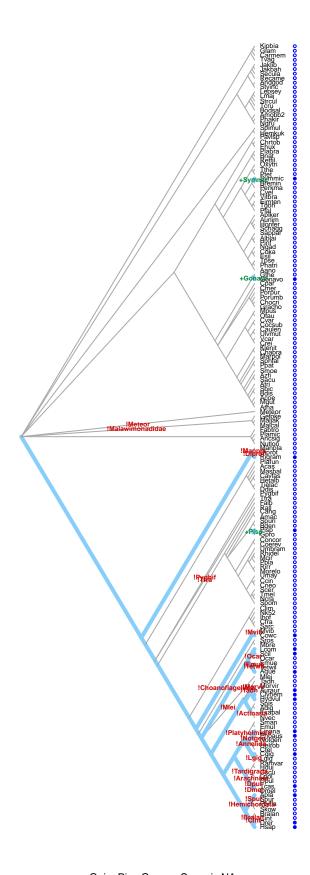
2 4 6 8 10 12

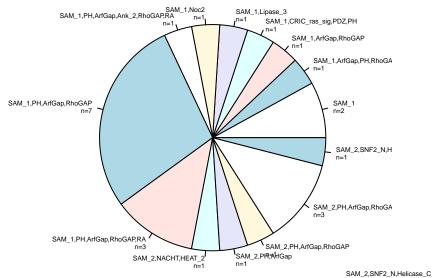
Frequency

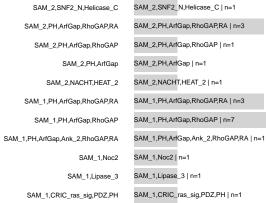












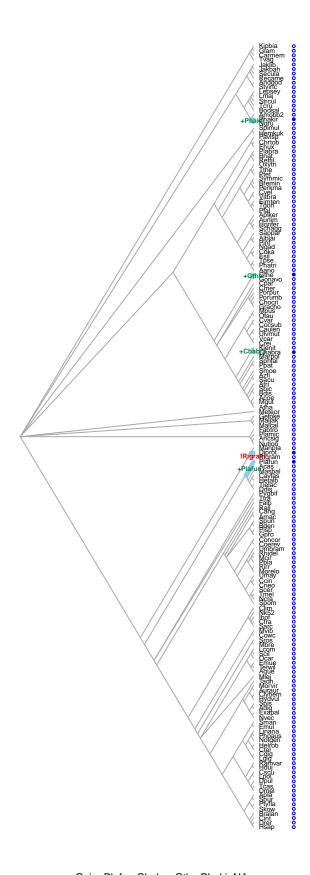
SAM_1,ArfGap,RhoGAP | n=1
SAM_1,ArfGap,PH,RhoGAP,RA | SAM_1,ArfGap,PH,RhoGAP,RA | n=1

SAM_1 | n=2



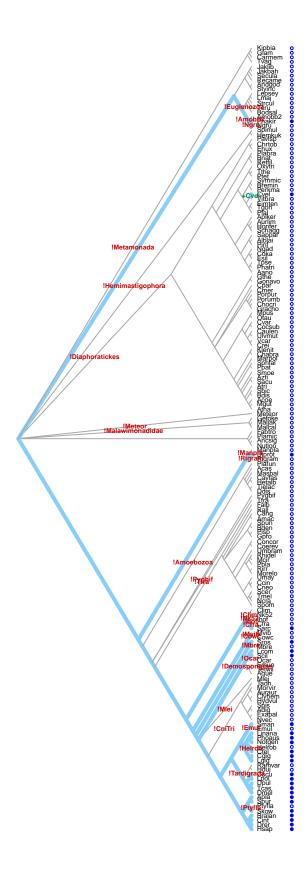
Frequency

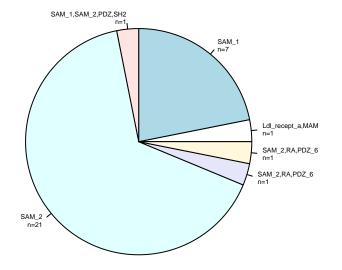
Gain: Pisp,Gonavo,Symmic,NA Presence Eukaryota prob = 0.59 Present: 18 Losses: NA

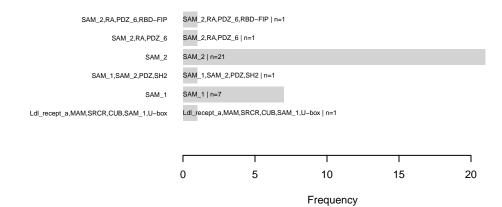




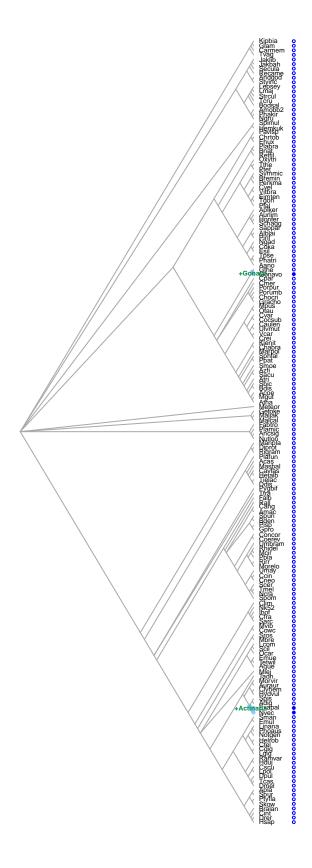






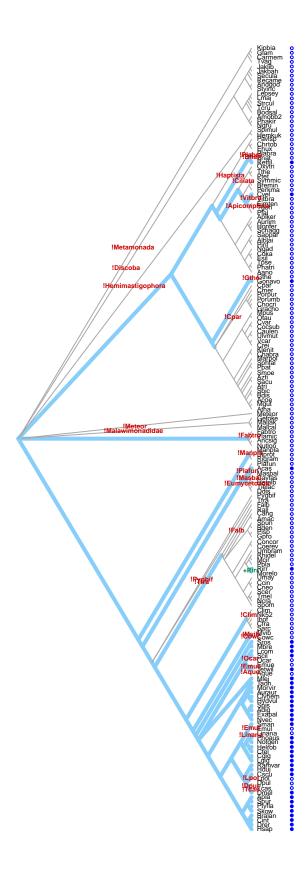


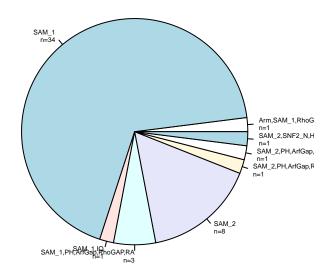
Gain: Cvel,NA
Presence Eukaryota prob = 0.78
Present: 26
Losses: NA

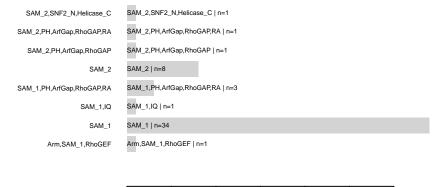






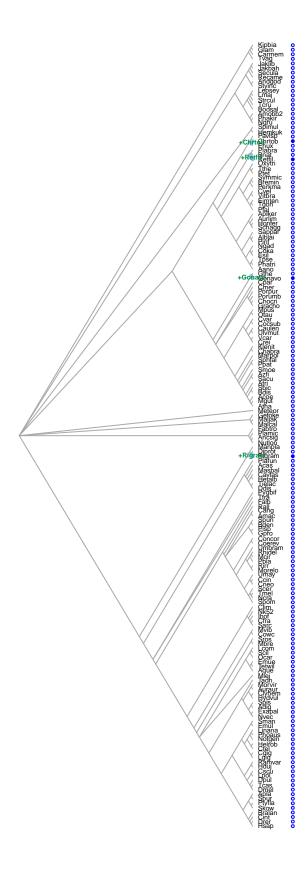




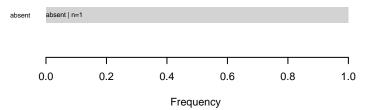


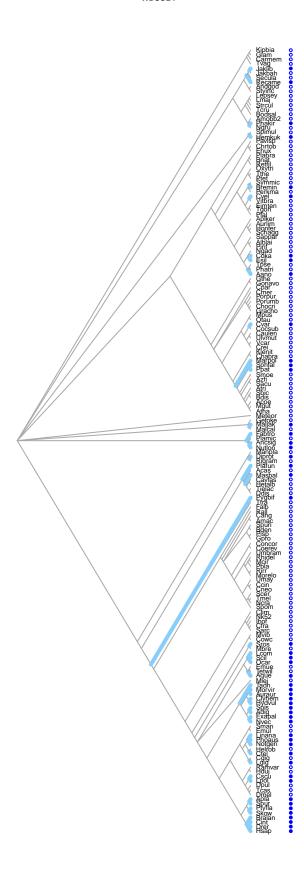
Gain: Rirr,NA
Presence Eukaryota prob = 0.96
Present: 39
Losses: NA

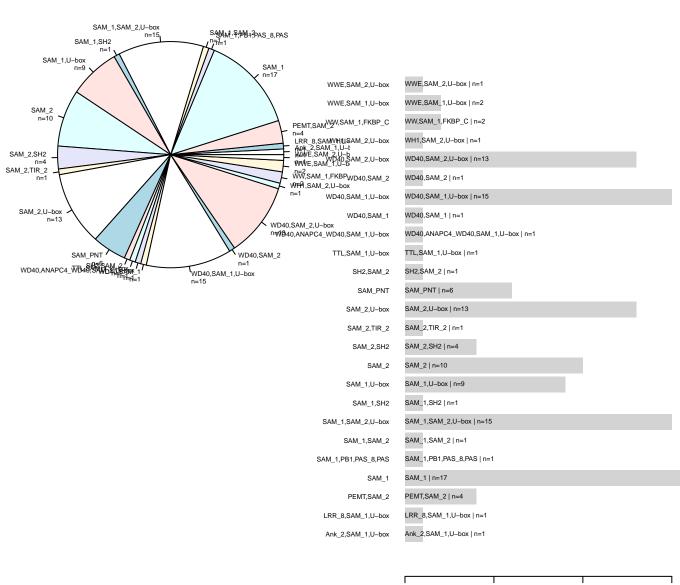
Frequency





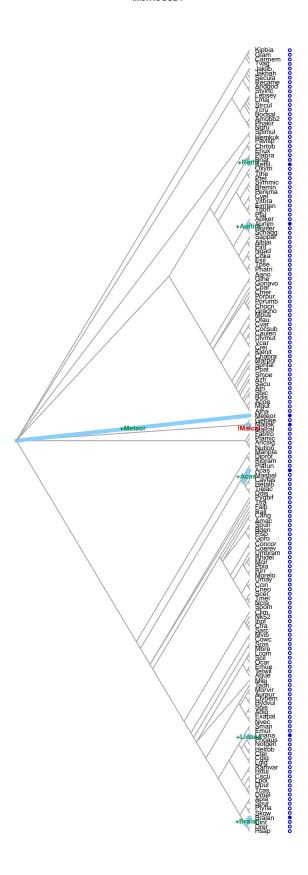






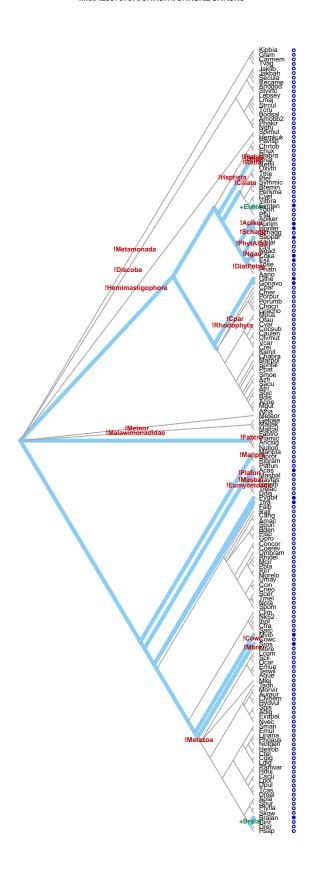


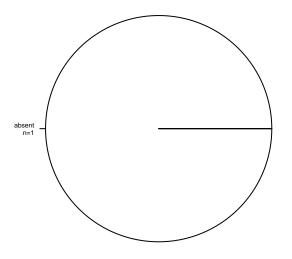
Losses: NA



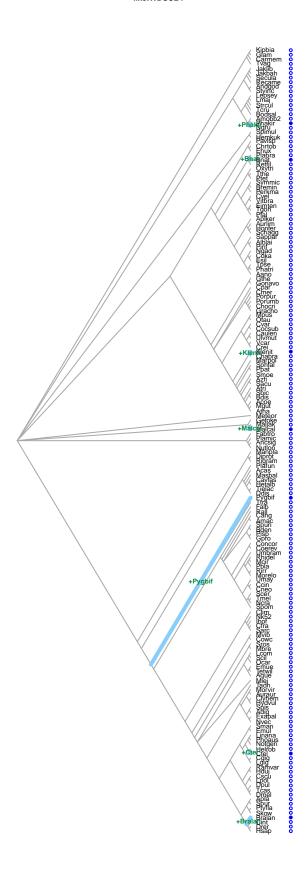






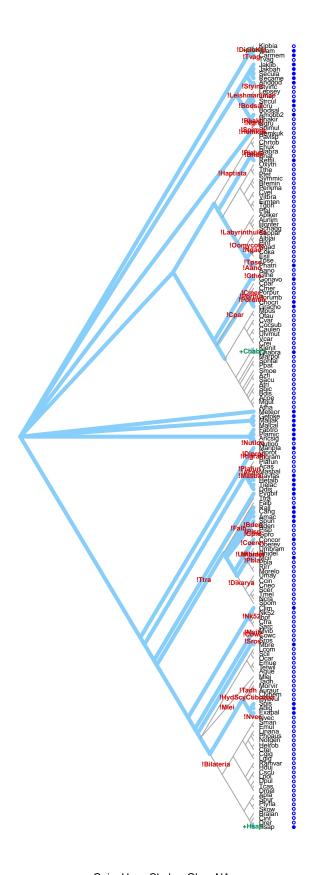


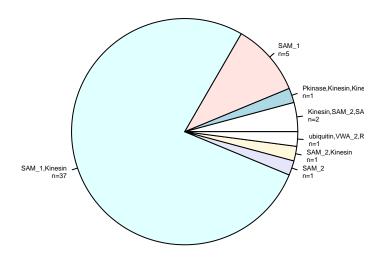
Gain: Bralan,Eimten,NA
Presence Eukaryota prob = 1.00
Present: 14
Losses: NA













SAM_2,Kinesin | n=1

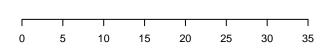
SAM_2 | n=1

SAM_1,Kinesin SAM_1,Kinesin | n=37

SAM_1 SAM_1 | n=5

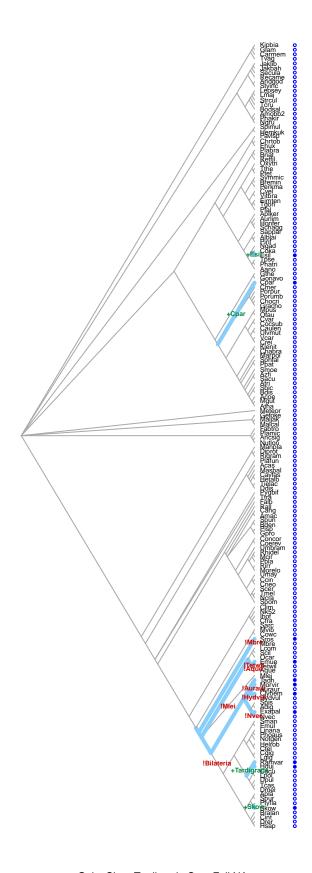
Pkinase,Kinesin,Kinesin_assoc,SAM_2 | Pkinase,Kinesin,Kinesin_assoc,SAM_2 | n=1

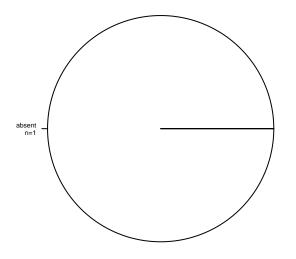
Kinesin,SAM_2,SAM_1 | n=2



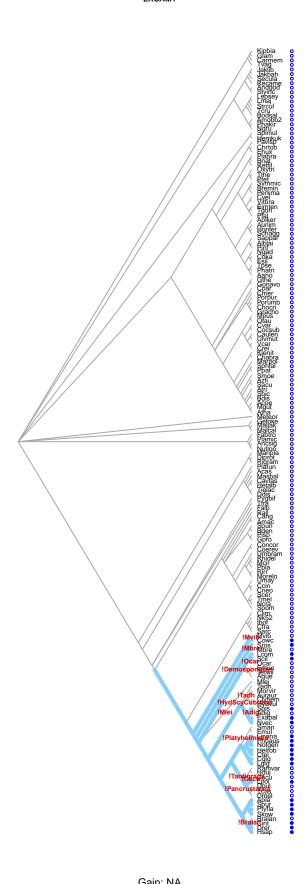
Frequency

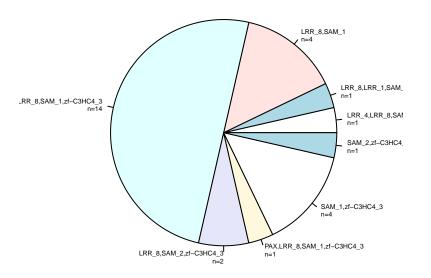
Gain: Hsap,Chabra,Glam,NA
Presence Eukaryota prob = 1.00
Present: 41
Losses: NA

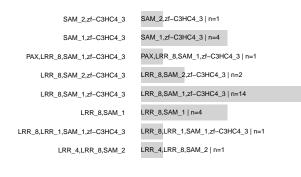


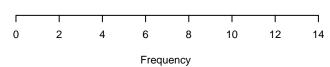




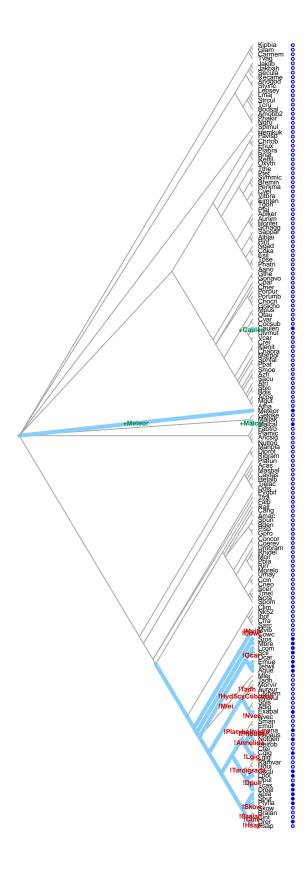


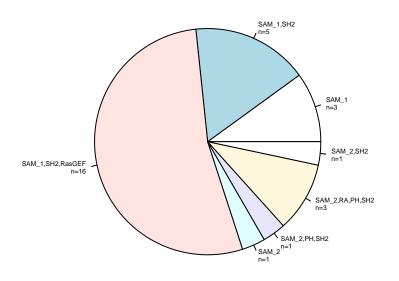


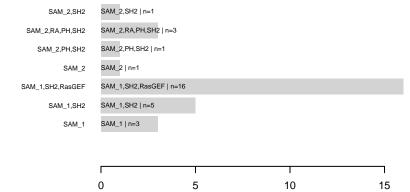




Gain: NA
Presence Eukaryota prob = 0.04
Present: 22
Losses: NA

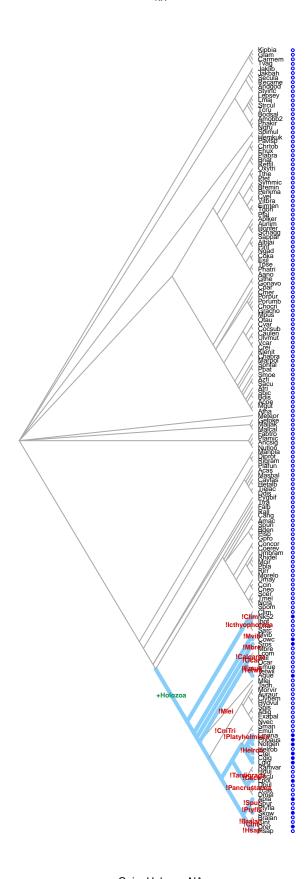


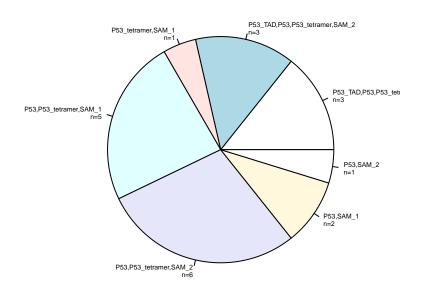


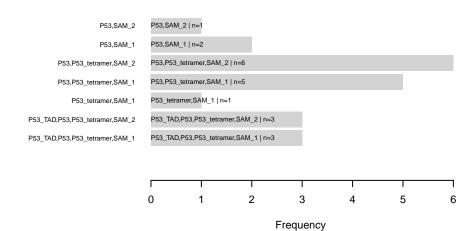


Gain: Malcal,Meteor,Caulen,NA
Presence Eukaryota prob = 0.28
Present: 22
Losses: NA

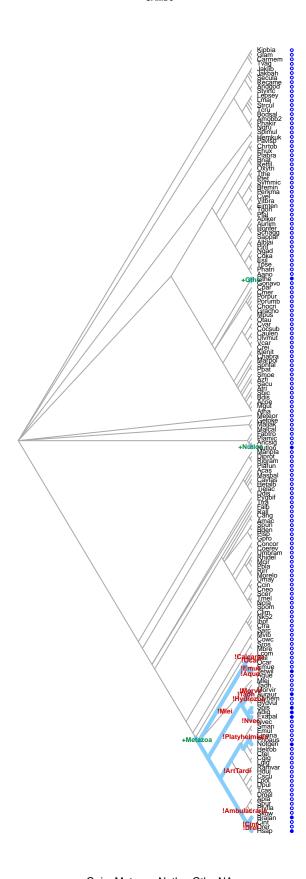
Frequency

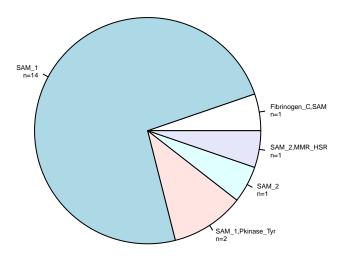




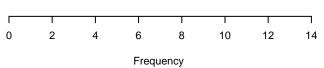


Gain: Holozoa,NA
Presence Eukaryota prob = 0.06
Present: 14
Losses: NA

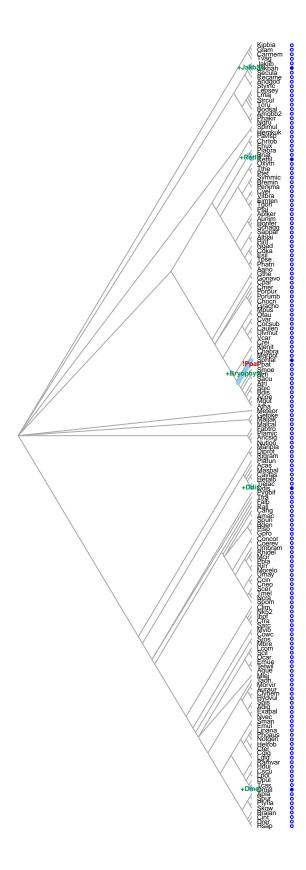


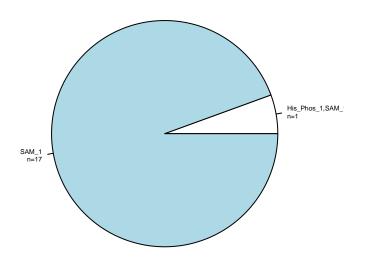


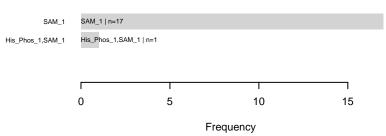




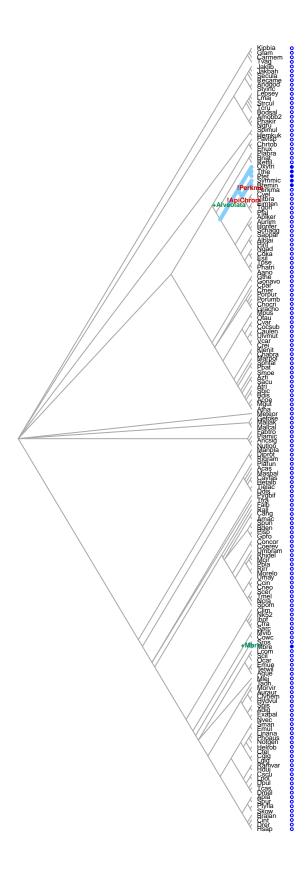
Gain: Metazoa,Nutlon,Gthe,NA
Presence Eukaryota prob = 0.05
Present: 10
Losses: NA

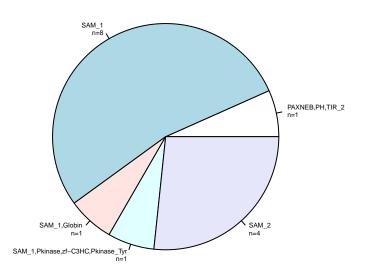


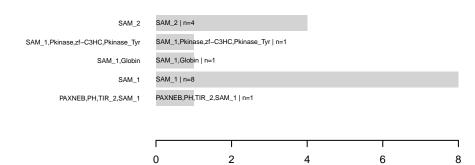




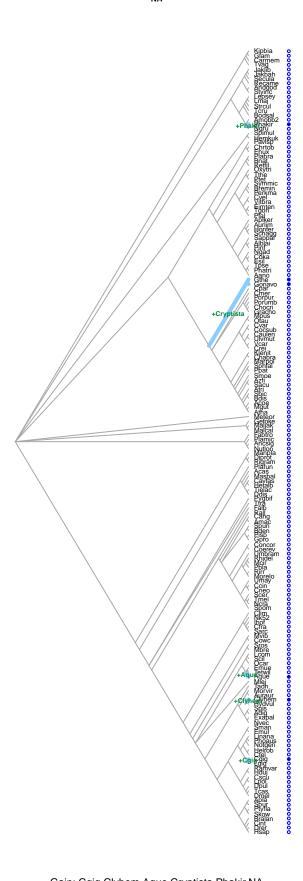
Gain: Dmel,Ddis,Bryophyta,Retfil,Jakbah,NA Presence Eukaryota prob = 0.00 Present: 5 Losses: NA

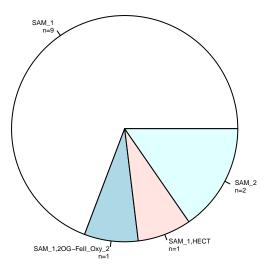


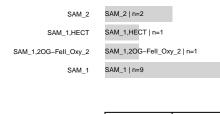


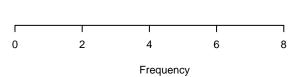


Gain: Mbre,Alveolata,NA
Presence Eukaryota prob = 0.00
Present: 6
Losses: NA

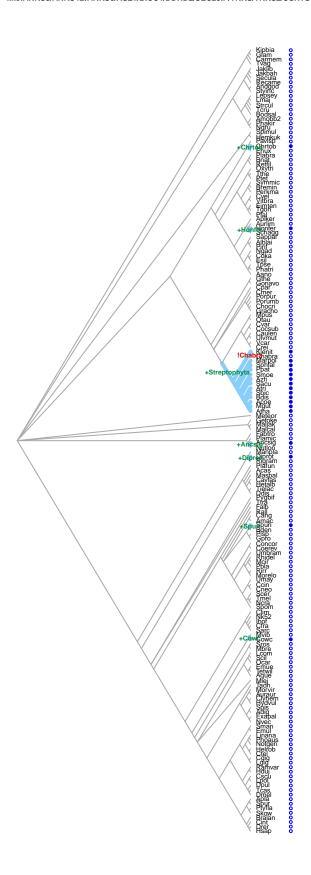


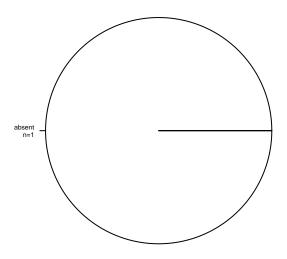


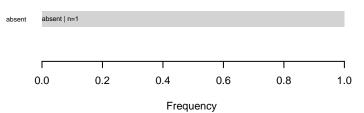


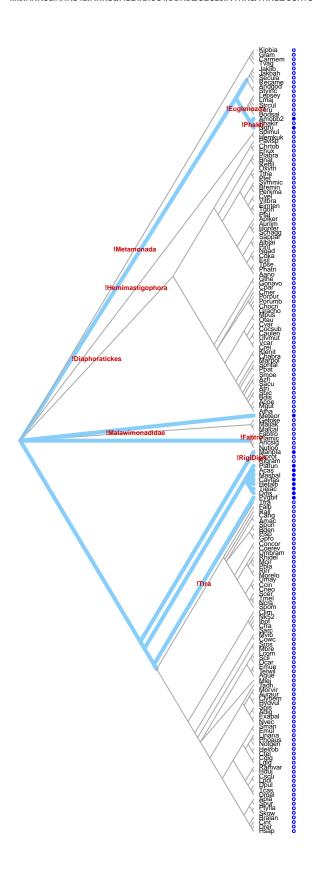


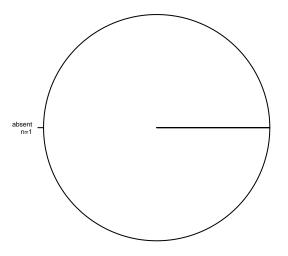
Gain: Cgig,Clyhem,Aque,Cryptista,Phakir,NA Presence Eukaryota prob = 0.06 Present: 6 Losses: NA



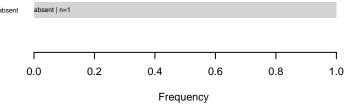


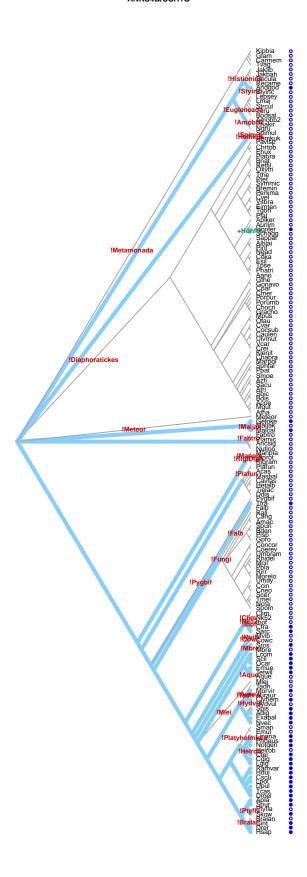


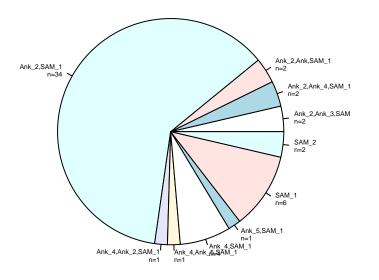


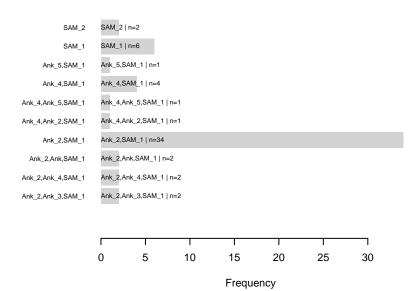


Gain: NA
Presence Eukaryota prob = 0.99
Present: 12
Losses: NA

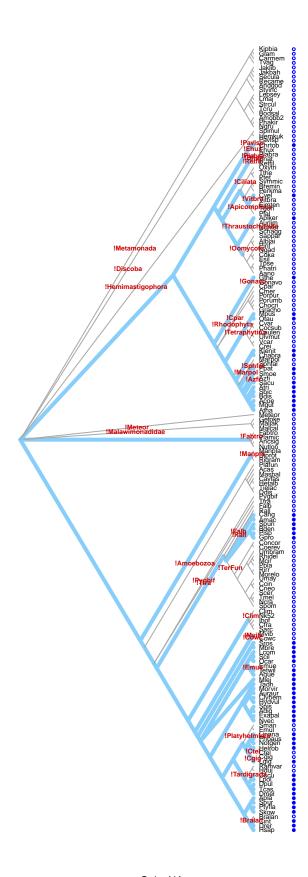


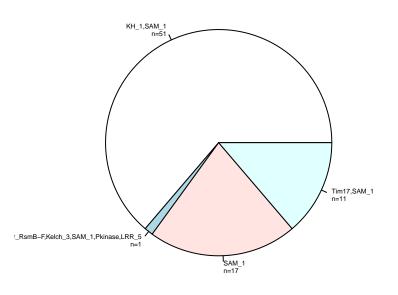


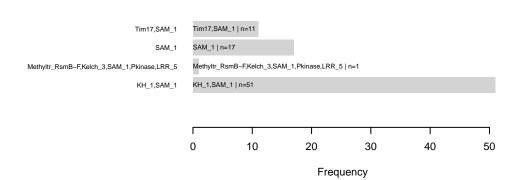




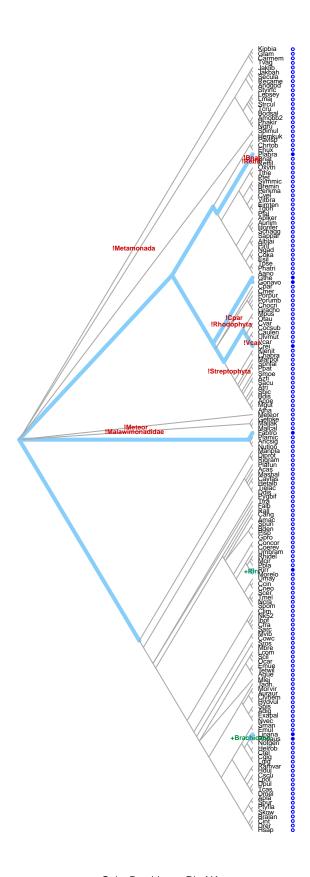
Gain: Honfer,NA
Presence Eukaryota prob = 1.00
Present: 38
Losses: NA

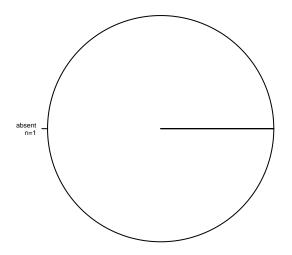




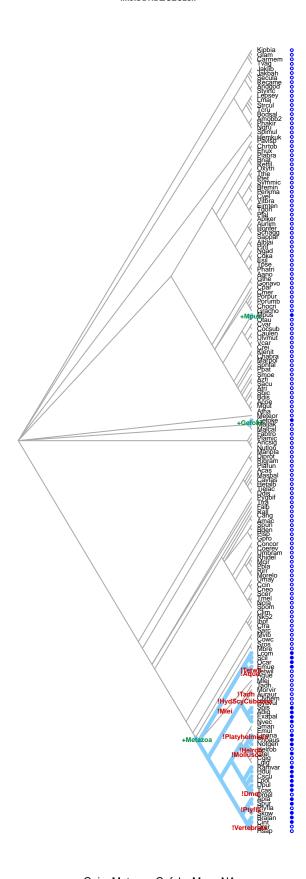


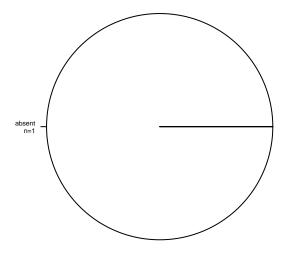
Gain: NA
Presence Eukaryota prob = 0.99
Present: 57
Losses: NA

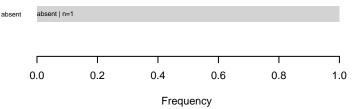




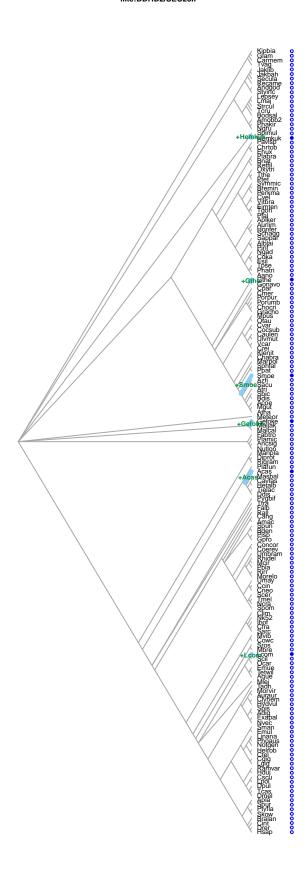






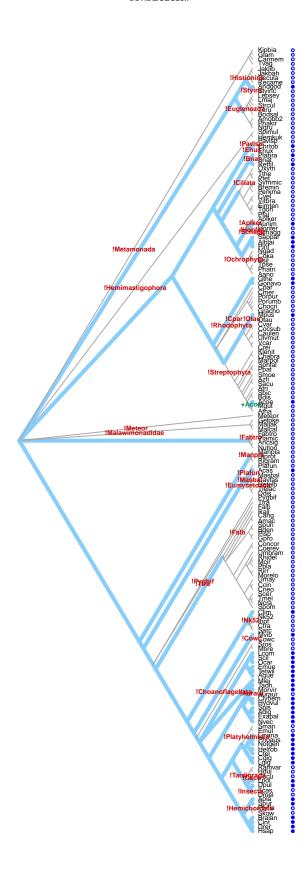


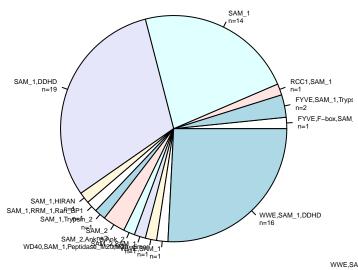
Gain: Metazoa,Gefoke,Mpus,NA Presence Eukaryota prob = 0.14 Present: 25 Losses: NA

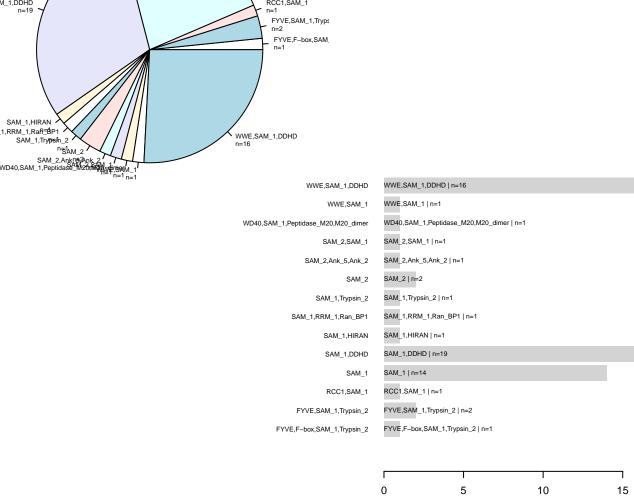








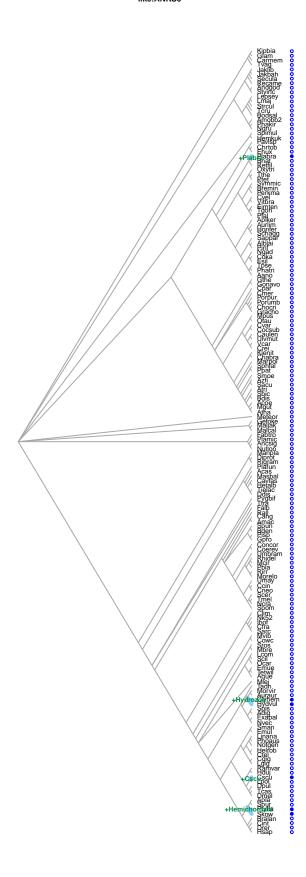






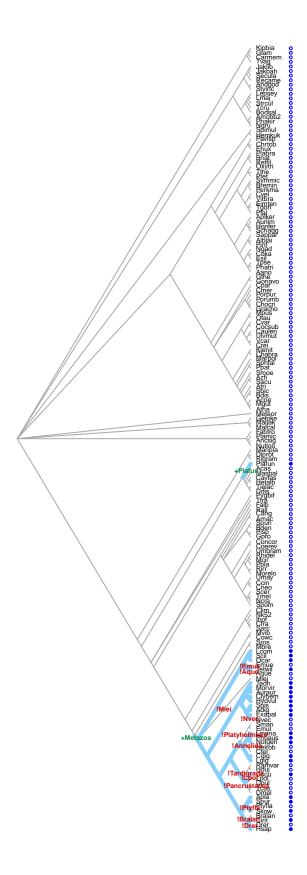
Frequency

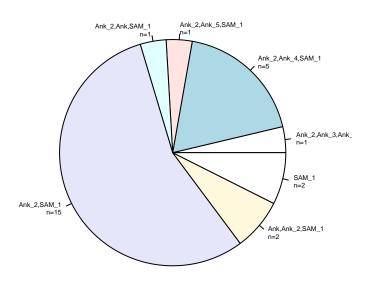
Gain: Acoe,NA Presence Eukaryota prob = 1.00 Present: 45 Losses: NA

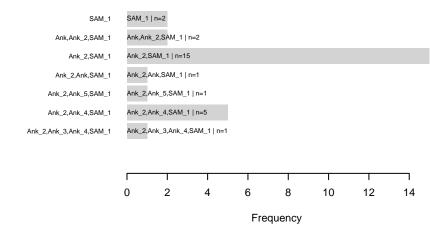




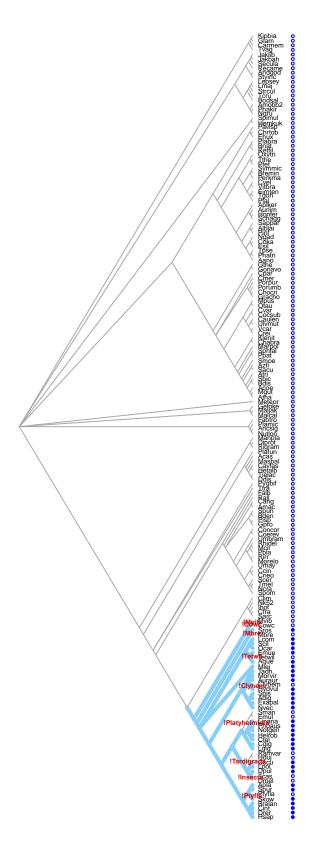


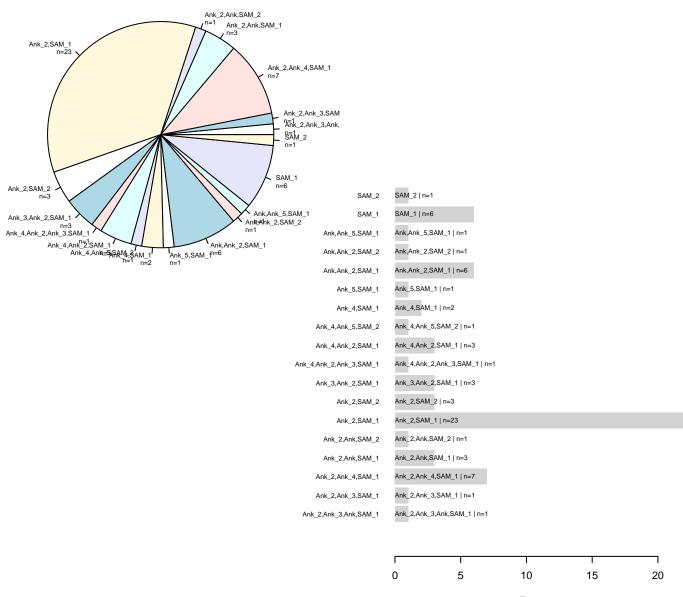






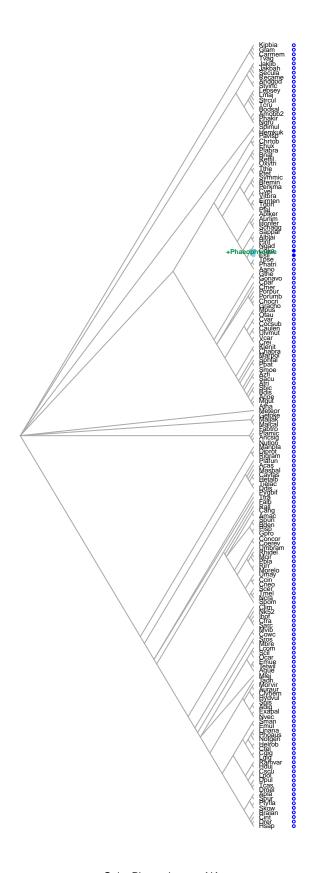
Gain: Metazoa,Plafun,NA
Presence Eukaryota prob = 0.06
Present: 24
Losses: NA

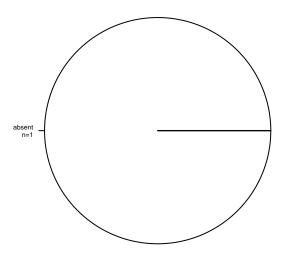




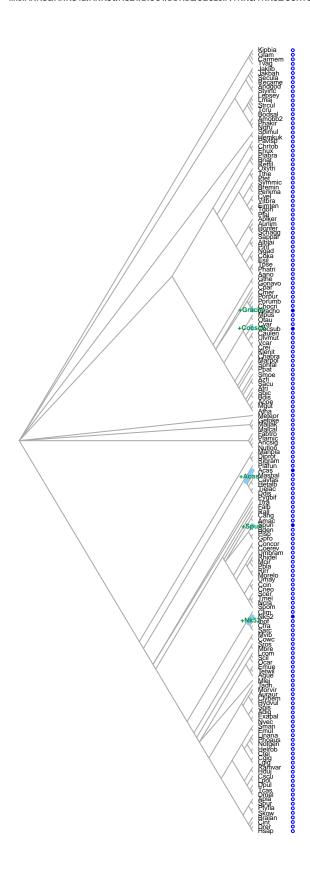
Gain: NA
Presence Eukaryota prob = 0.03
Present: 32
Losses: NA

Frequency

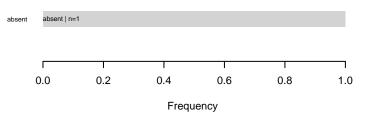


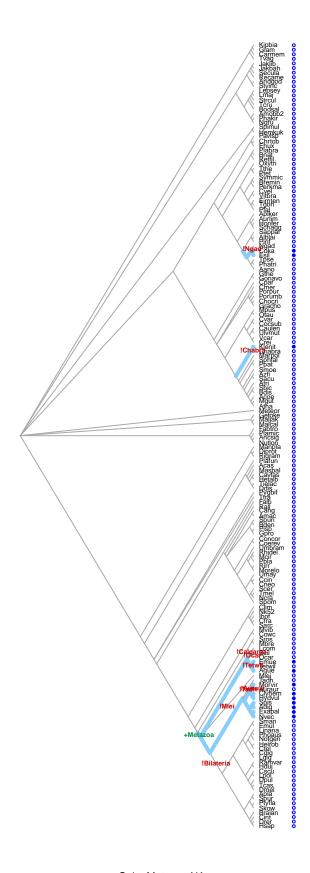


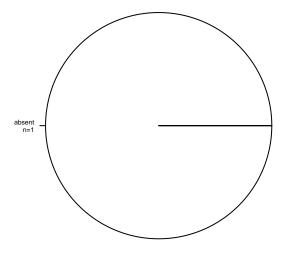


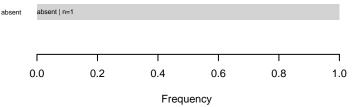


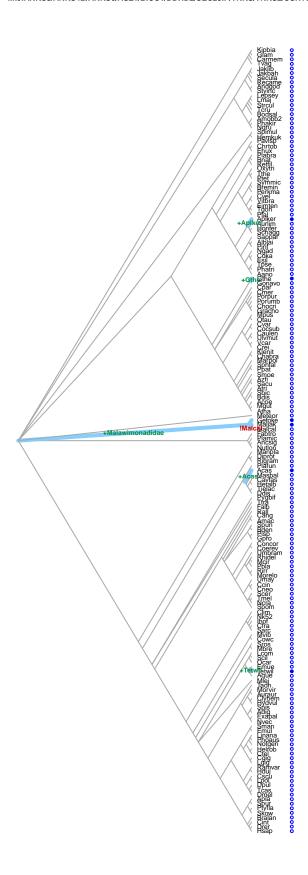




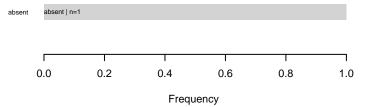


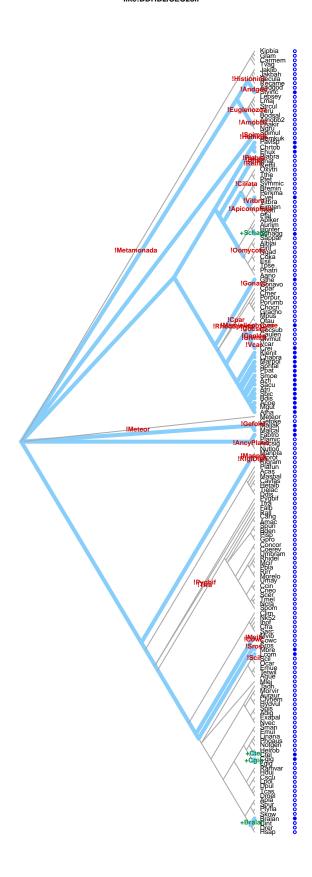








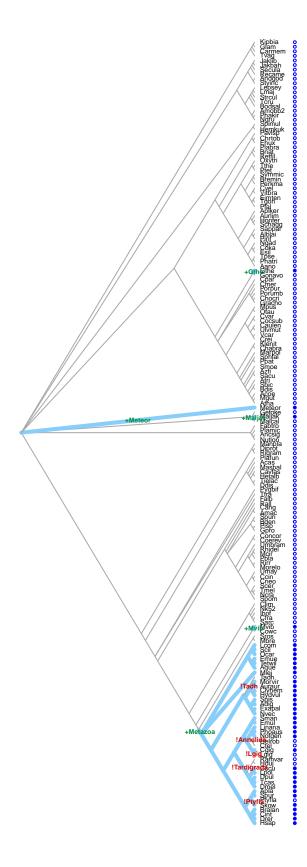


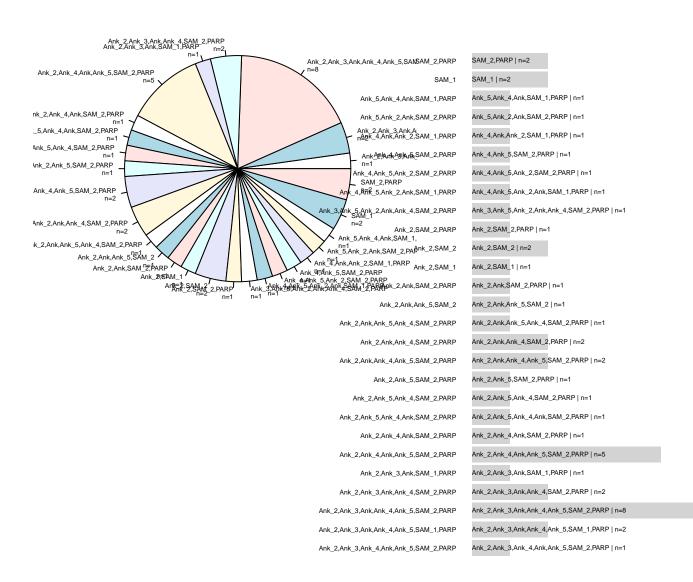






Gain: Bralan,Cgig,Ctel,Schagg,NA
Presence Eukaryota prob = 1.00
Present: 31
Losses: NA





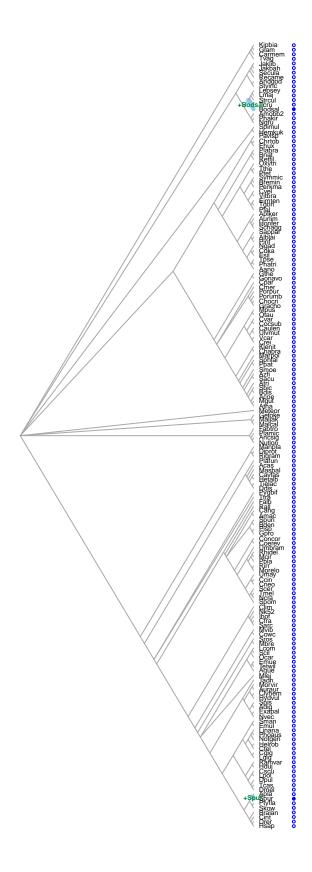
Gain: Metazoa, Mvib, Maljak, Meteor, Gthe, NA Presence Eukaryota prob = 0.01 Present: 37 Losses: NA

Frequency

4

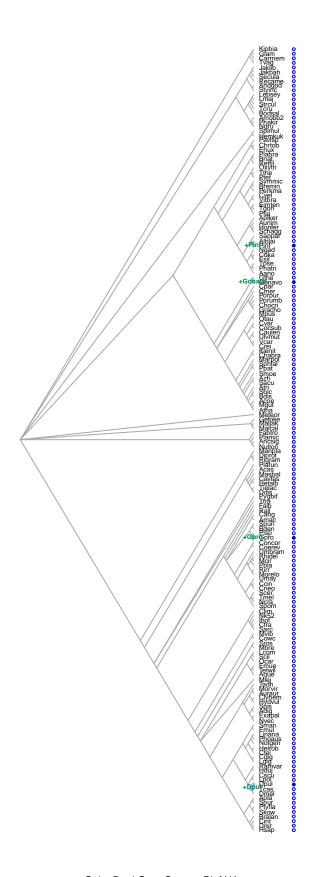
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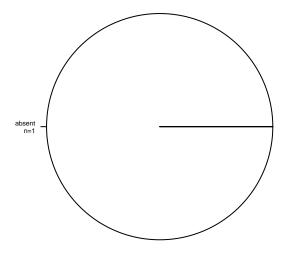
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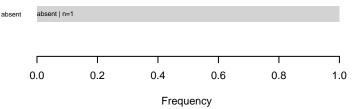


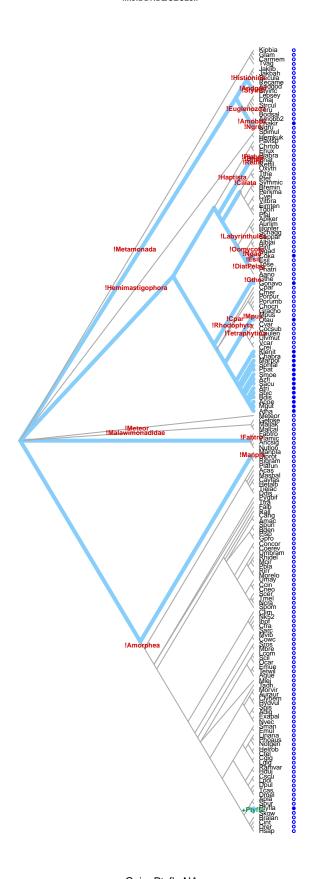


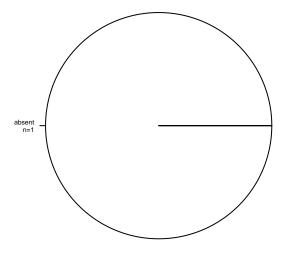




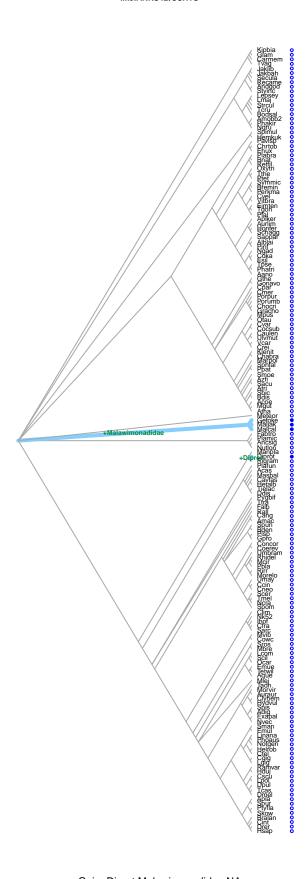






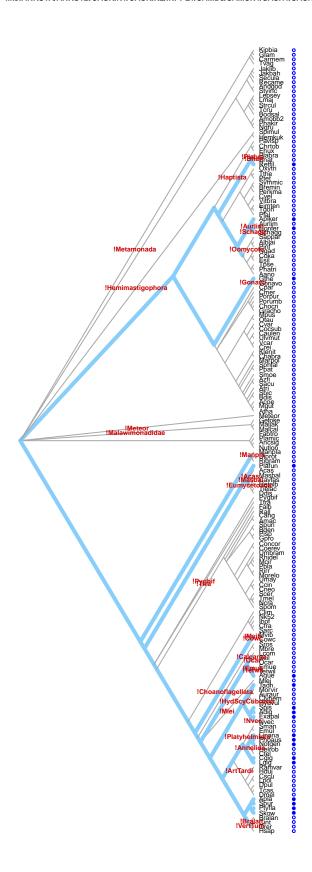


Gain: Ptyfla,NA
Presence Eukaryota prob = 0.99
Present: 19
Losses: NA

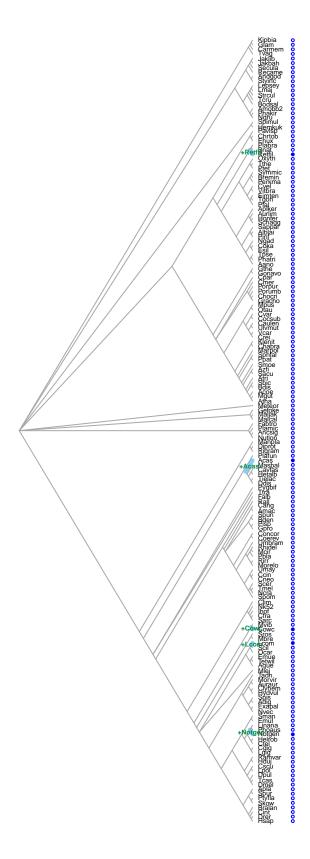






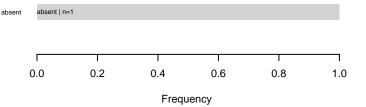


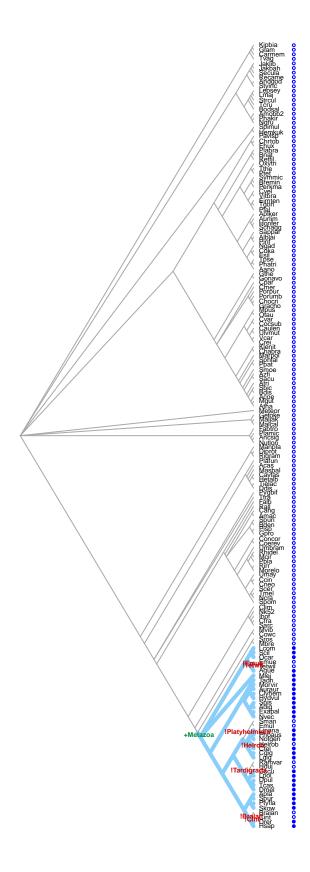


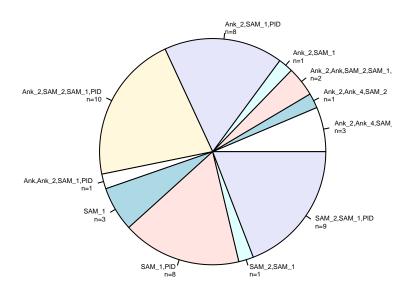


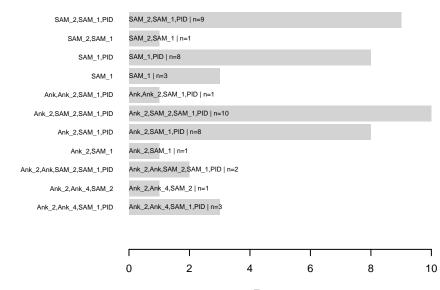


Gain: Notgen,Lcom,Cowc,Acas,Retfil,NA Presence Eukaryota prob = 0.01 Present: 5 Losses: NA

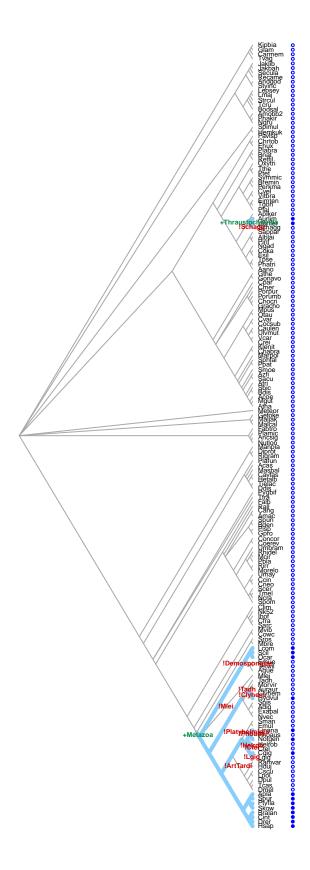


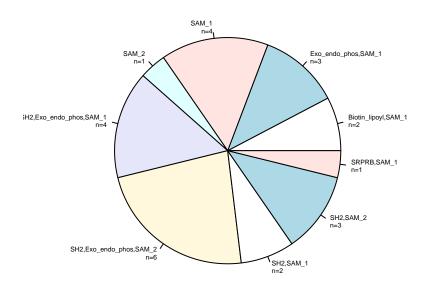


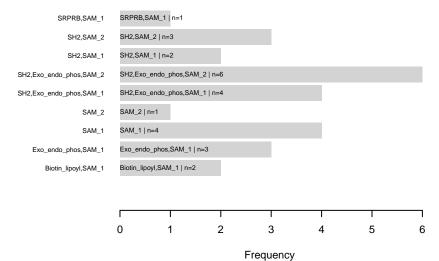




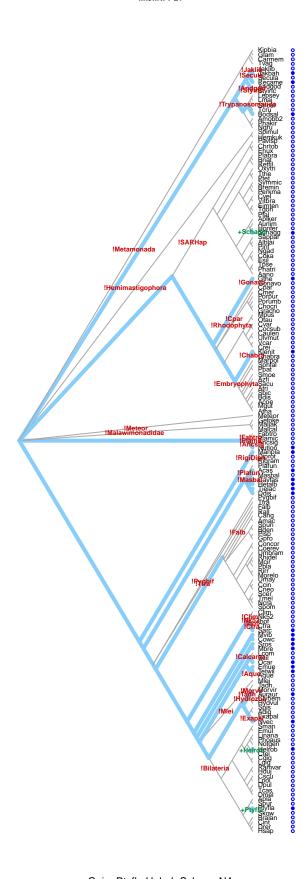
Gain: Metazoa,NA
Presence Eukaryota prob = 0.01
Present: 31
Losses: NA

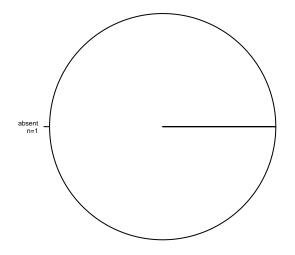




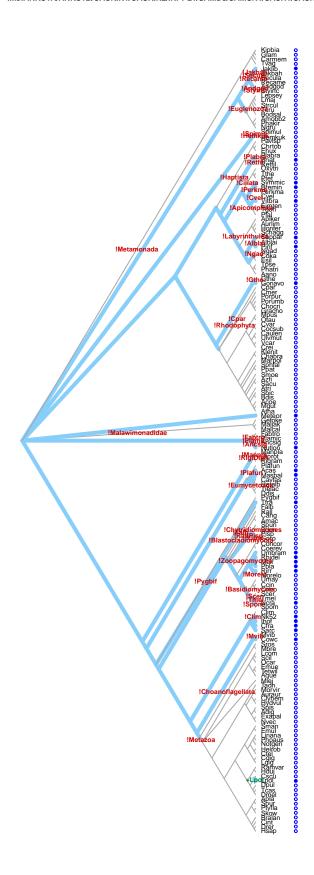


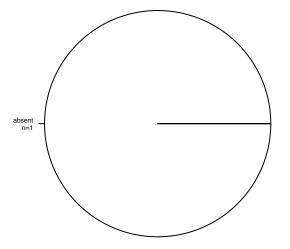
Gain: Metazoa,Thraustochytrida,NA Presence Eukaryota prob = 0.01 Present: 17 Losses: NA



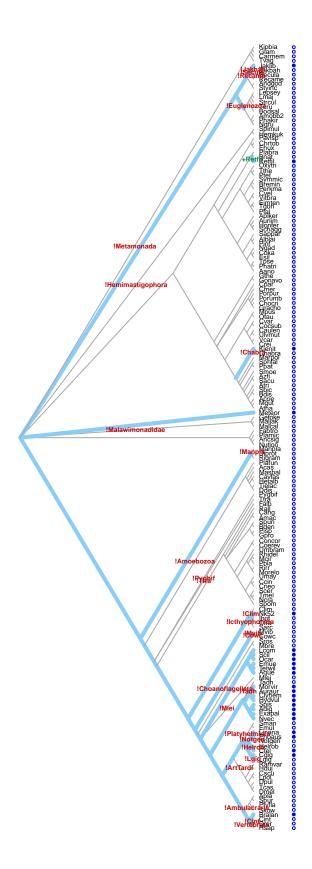






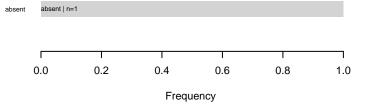


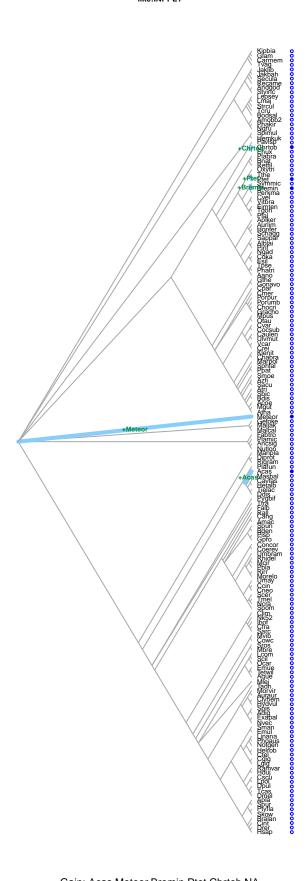






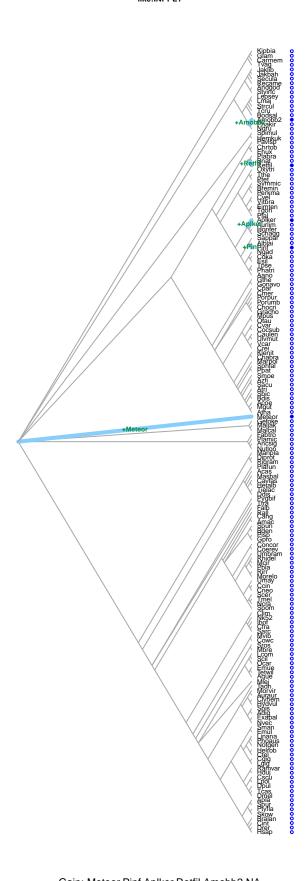
Gain: Retfil,NA
Presence Eukaryota prob = 0.77
Present: 24
Losses: NA





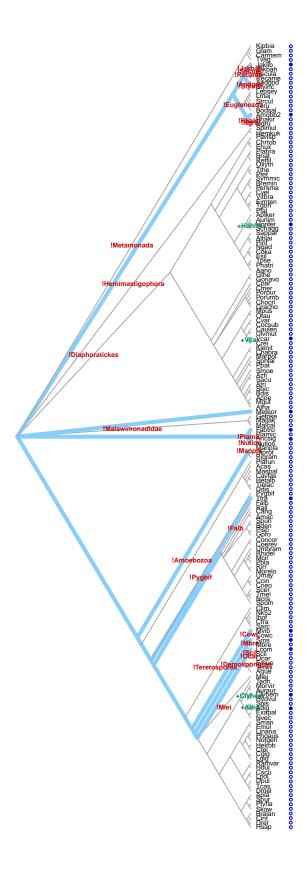


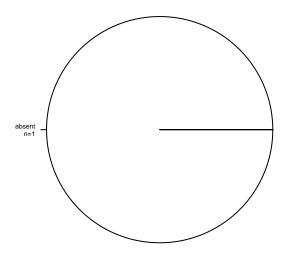




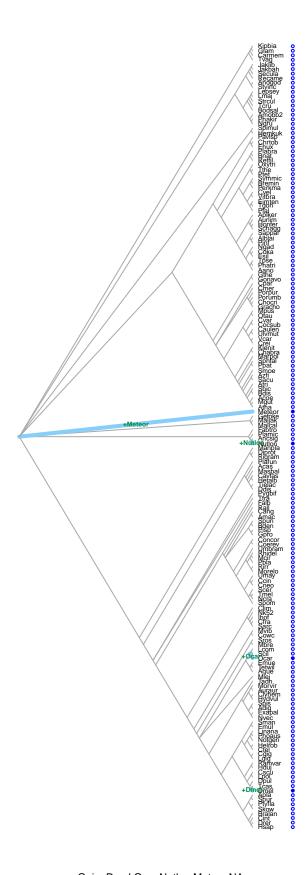








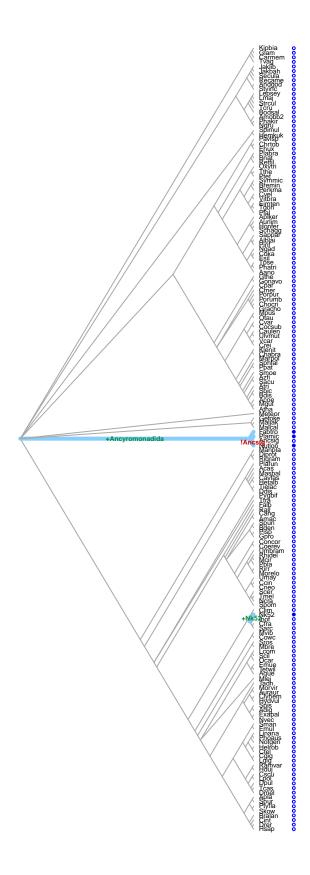




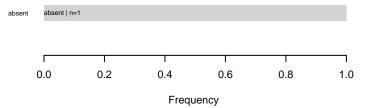


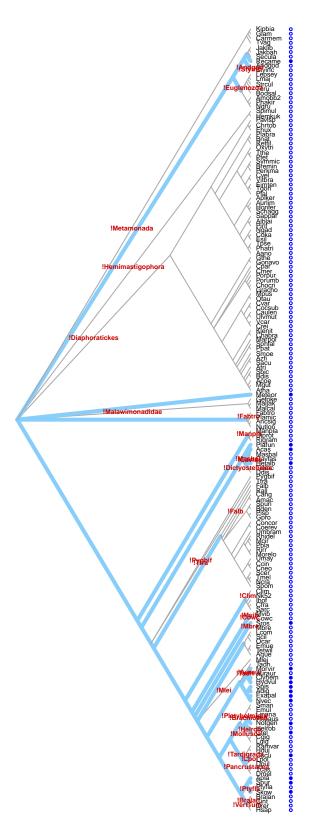


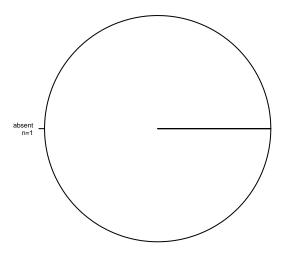
Gain: Dmel,Ocar,Nutlon,Meteor,NA Presence Eukaryota prob = 0.03 Present: 4 Losses: NA











Gain: NA
Presence Eukaryota prob = 0.98
Present: 19
Losses: NA

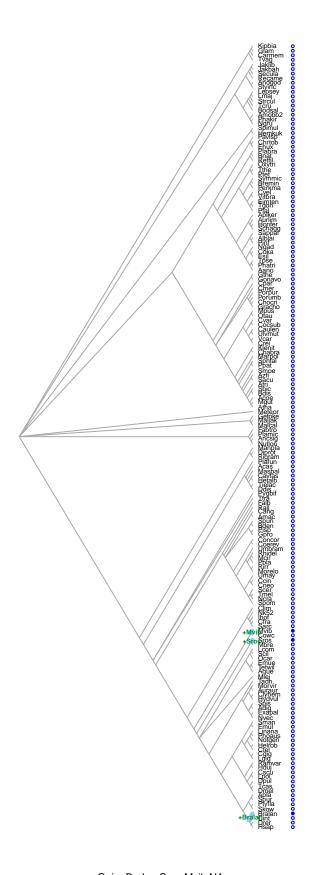
Frequency

absent | n=1

0.6

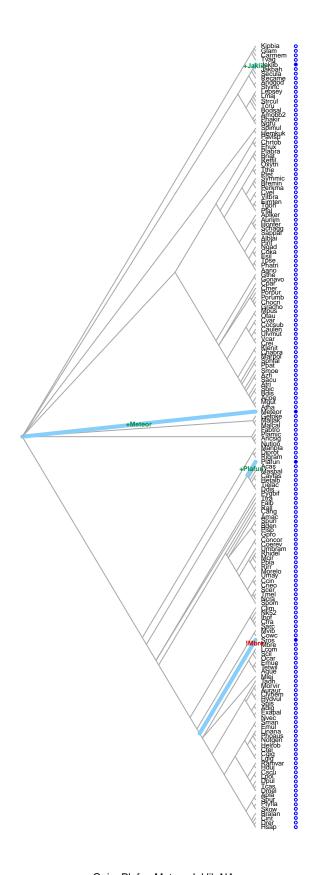
8.0

1.0

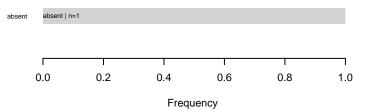




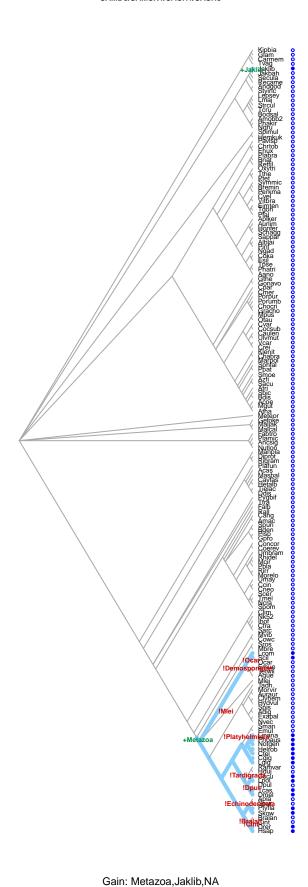


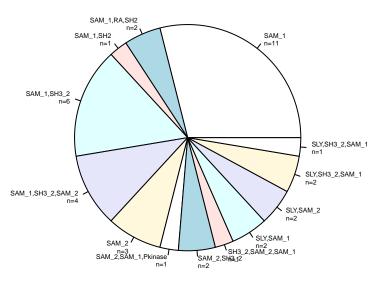


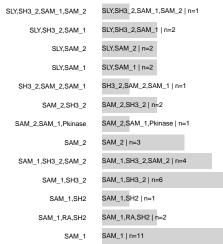


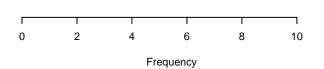


Gain: Plafun,Meteor,Jaklib,NA Presence Eukaryota prob = 0.34 Present: 4 Losses: NA

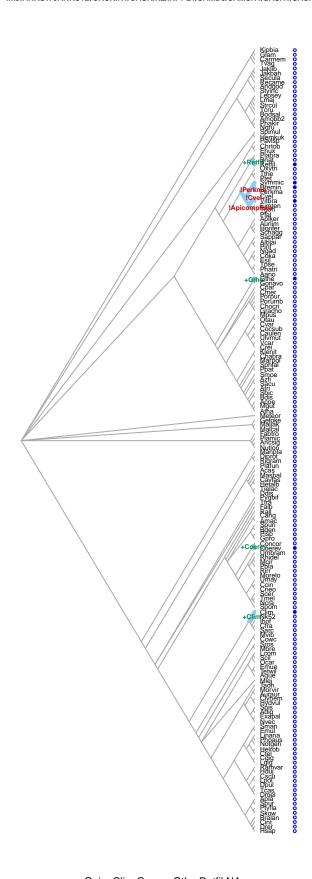




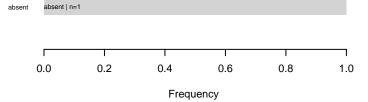


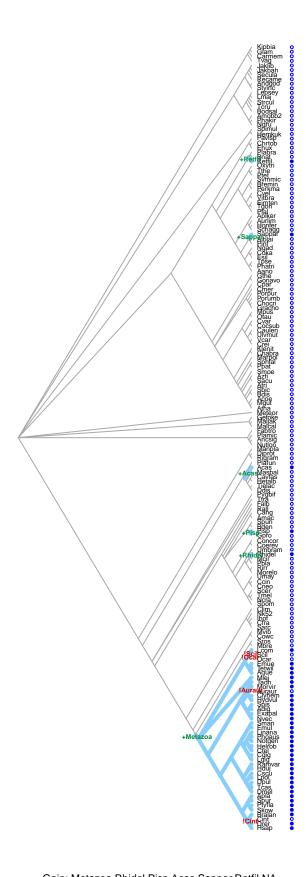


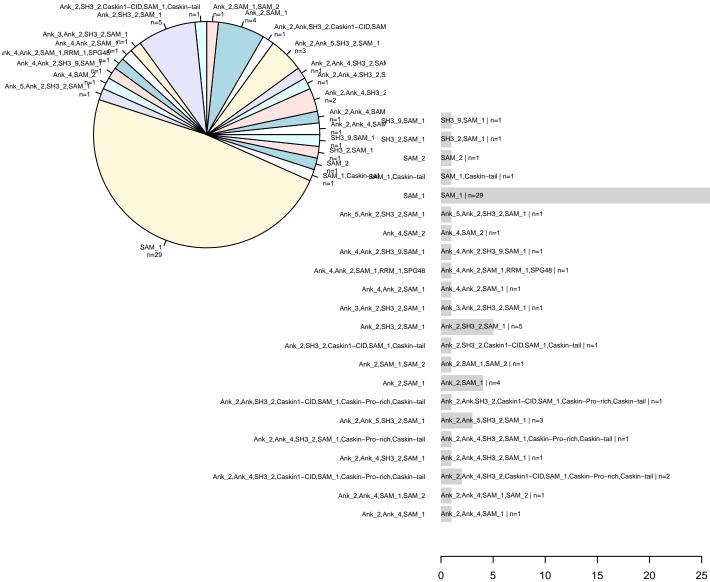
Presence Eukaryota prob = 0.01 Present: 18 Losses: NA

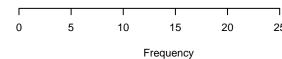




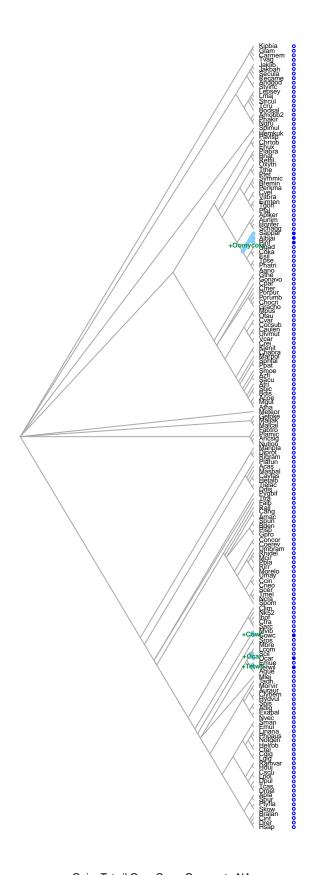






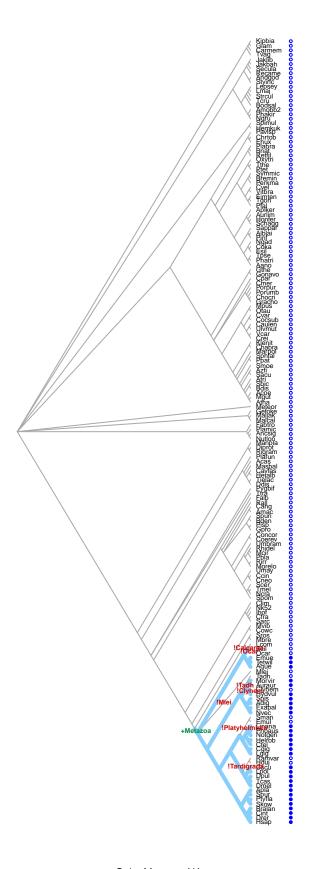


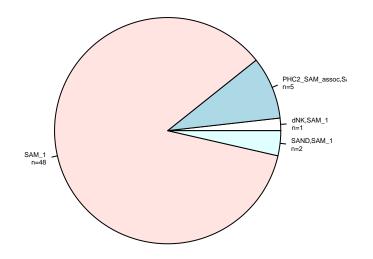
Gain: Metazoa, Rhidel, Pisp, Acas, Sappar, Retfil, NA Presence Eukaryota prob = 0.16 Present: 41 Losses: NA

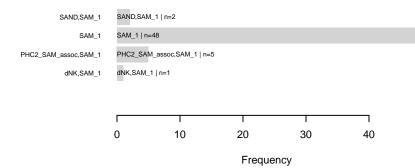




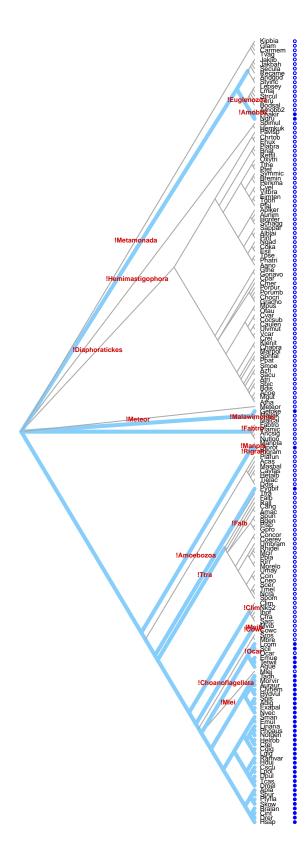


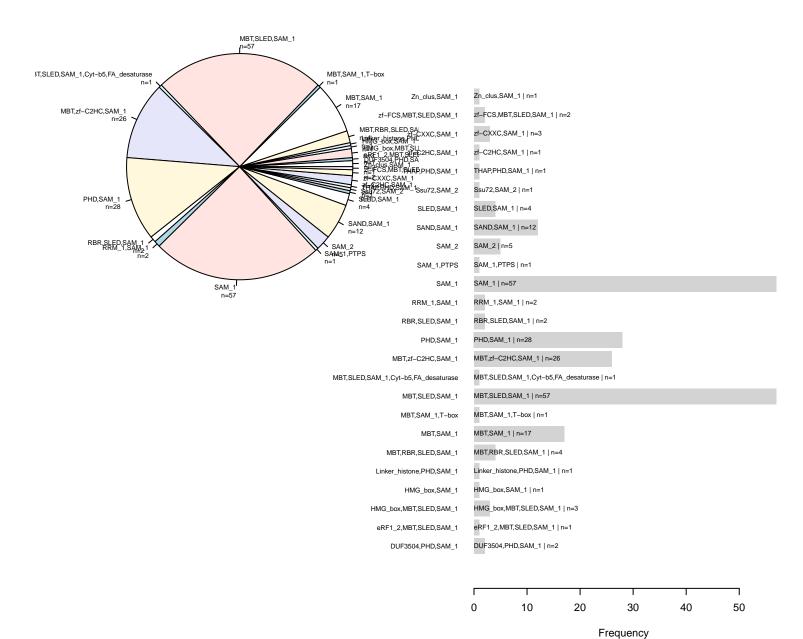




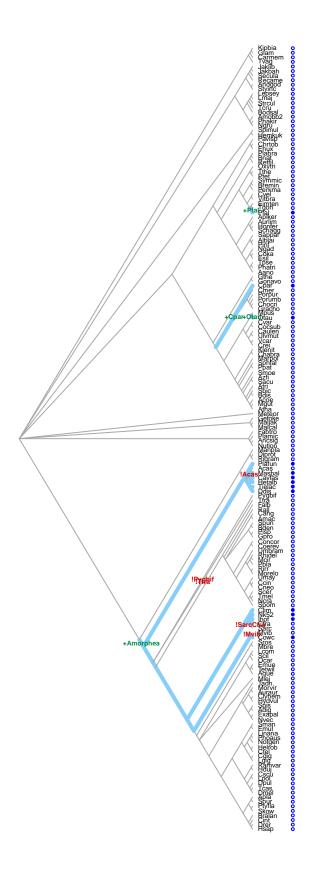


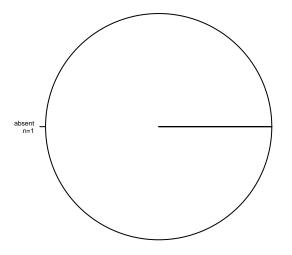
Gain: Metazoa,NA
Presence Eukaryota prob = 0.01
Present: 30
Losses: NA



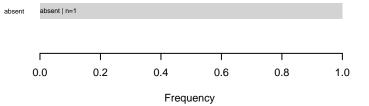


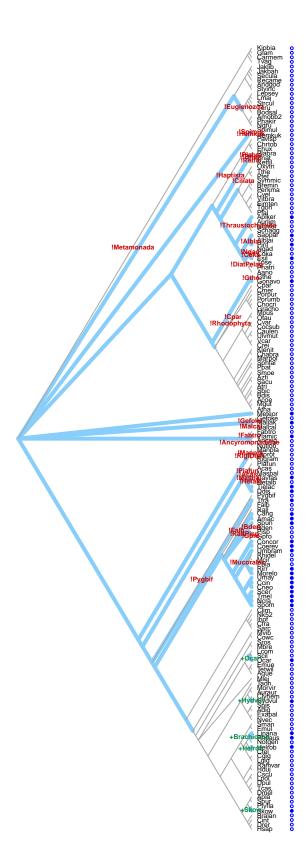
Gain: NA
Presence Eukaryota prob = 1.00
Present: 43
Losses: NA



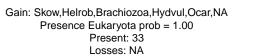


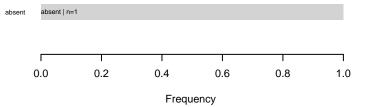
Gain: Amorphea,Otau,Cpar,Pfal,NA Presence Eukaryota prob = 0.01 Present: 13 Losses: NA

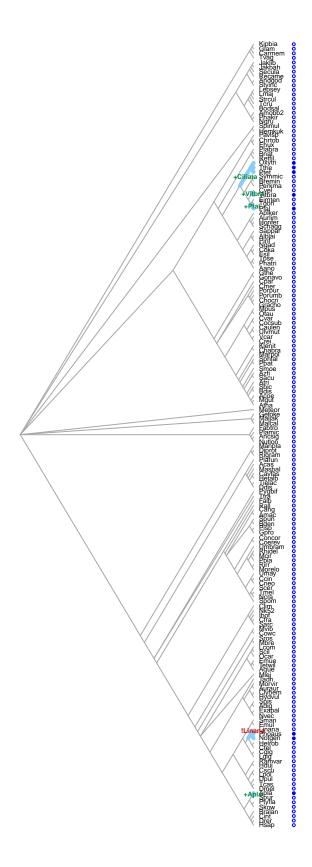


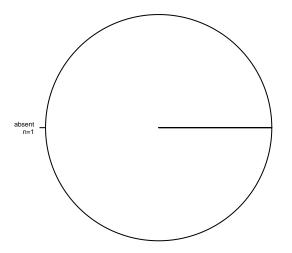




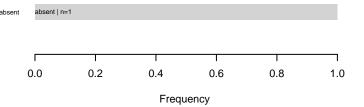


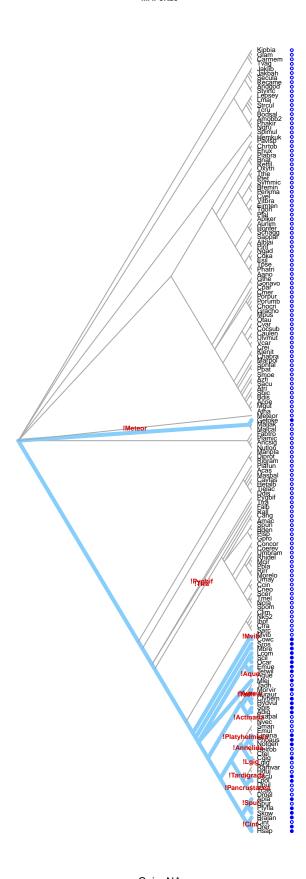


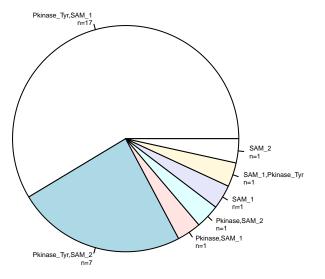


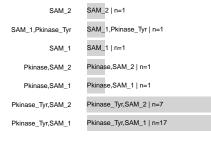


Gain: Apla,Pfal,Vitbra,Ciliata,NA Presence Eukaryota prob = 0.00 Present: 8 Losses: NA



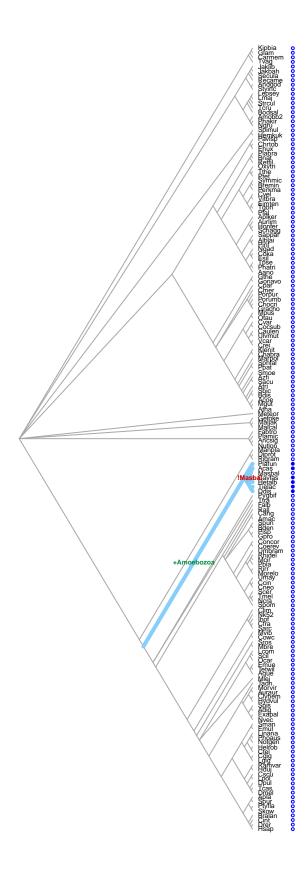


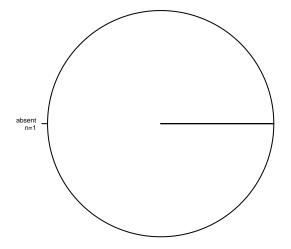


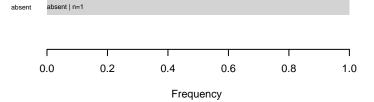


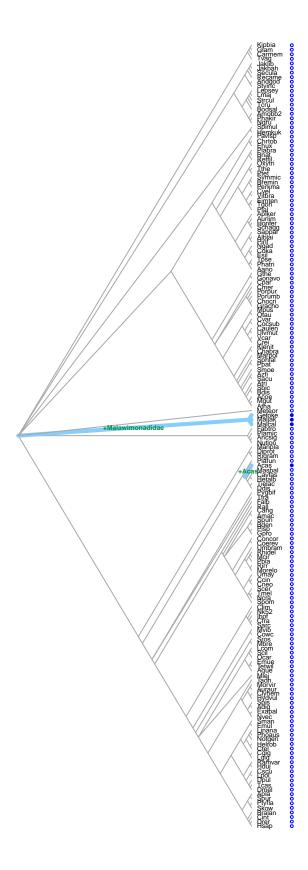


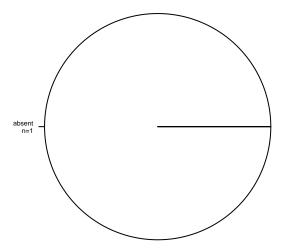
Gain: NA
Presence Eukaryota prob = 0.52
Present: 27
Losses: NA

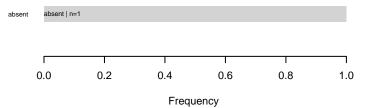


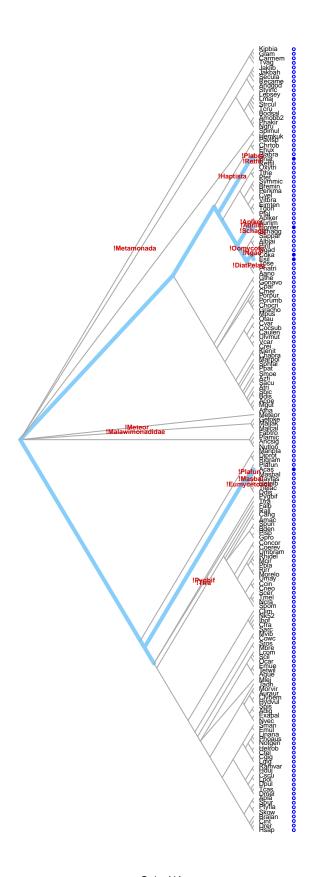


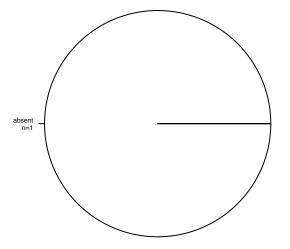


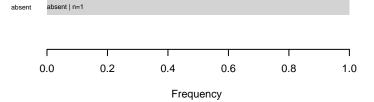


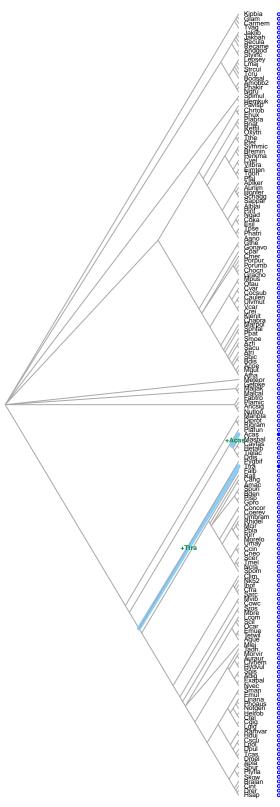


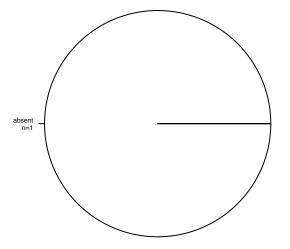






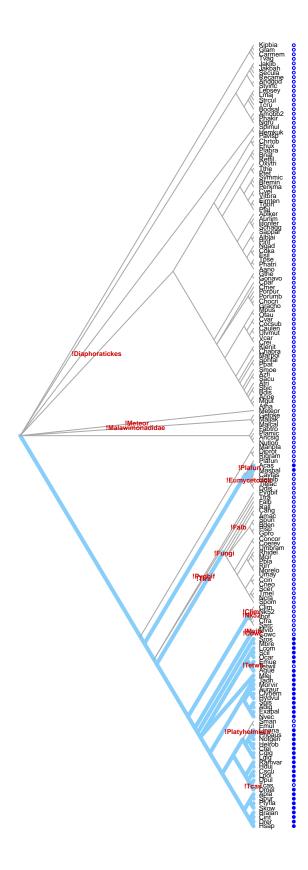


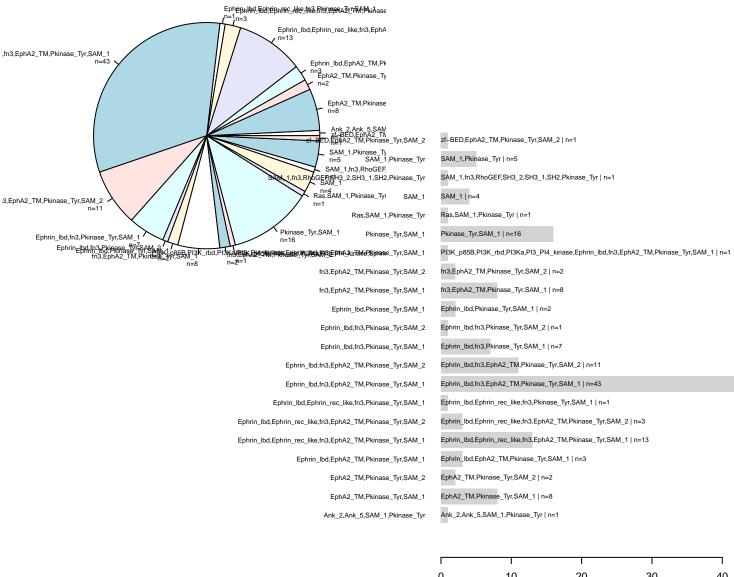




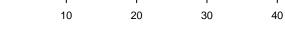


absent | n=1

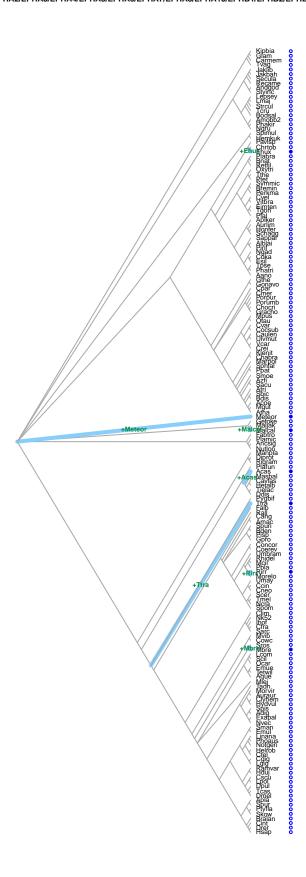


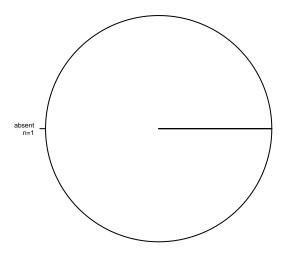


Gain: NA
Presence Eukaryota prob = 0.63
Present: 40
Losses: NA

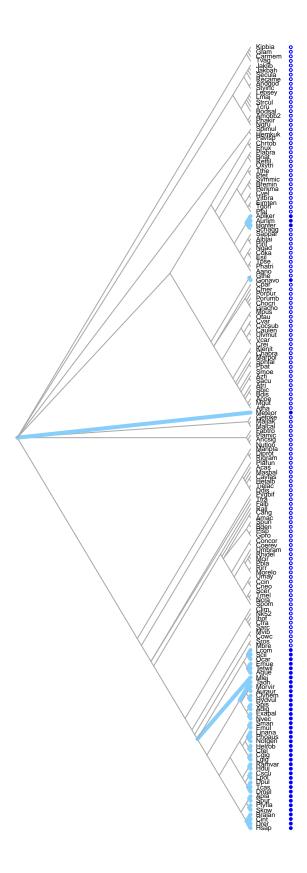


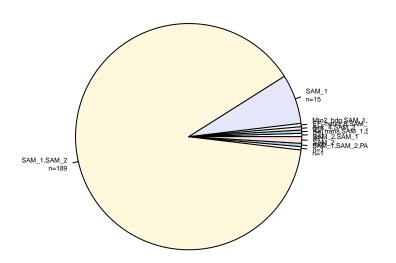
Frequency

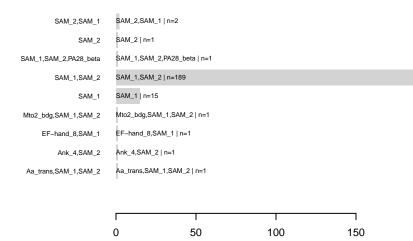




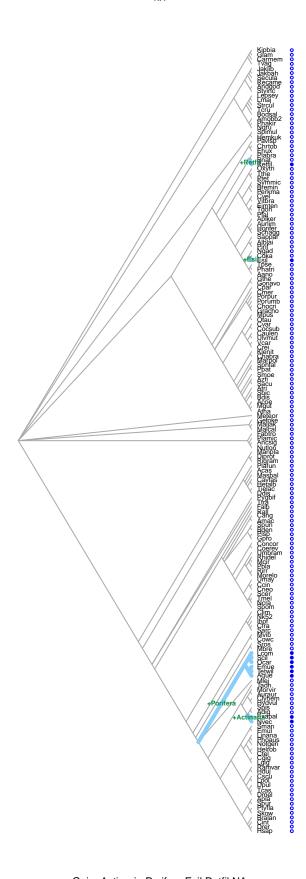


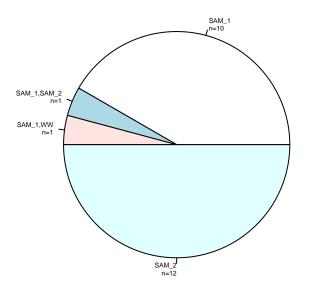


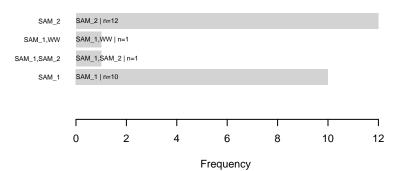




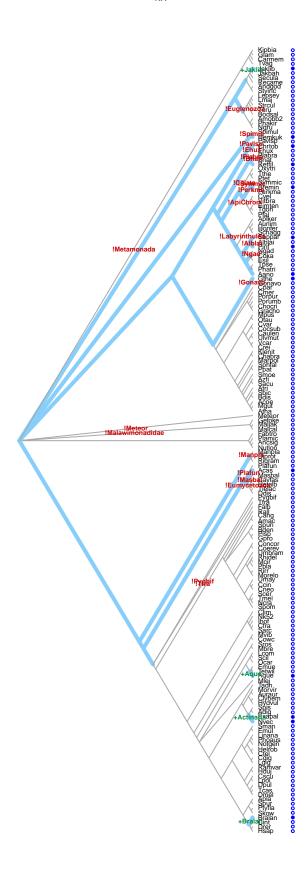
Present: 45 Losses: NA

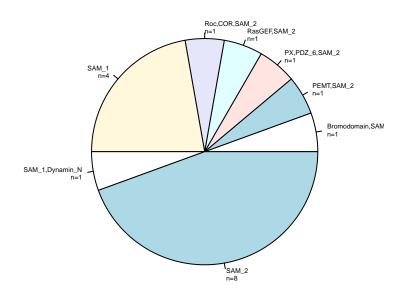


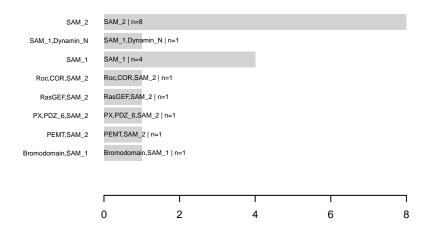




Gain: Actinaria,Porifera,Esil,Retfil,NA
Presence Eukaryota prob = 0.00
Present: 10
Losses: NA

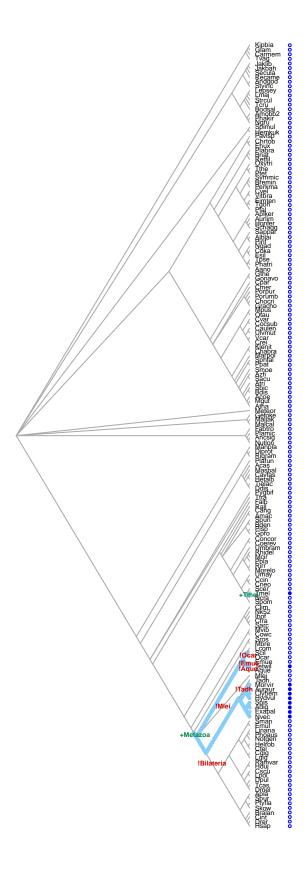


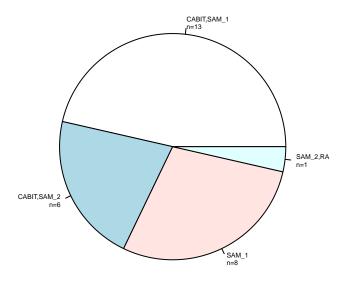


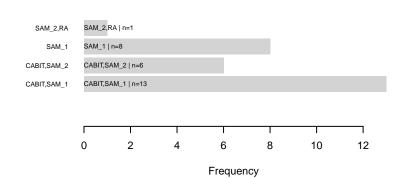


Frequency

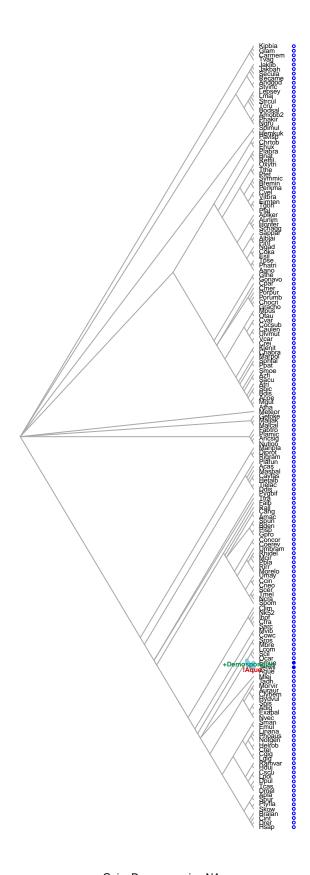
Gain: Bralan,Actinaria,Aque,Jaklib,NA Presence Eukaryota prob = 0.87 Present: 14 Losses: NA

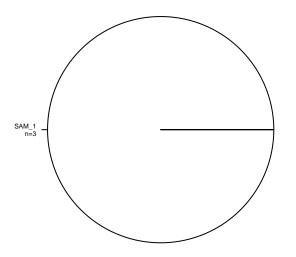


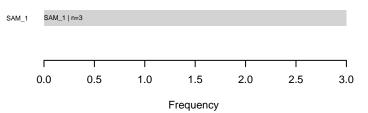


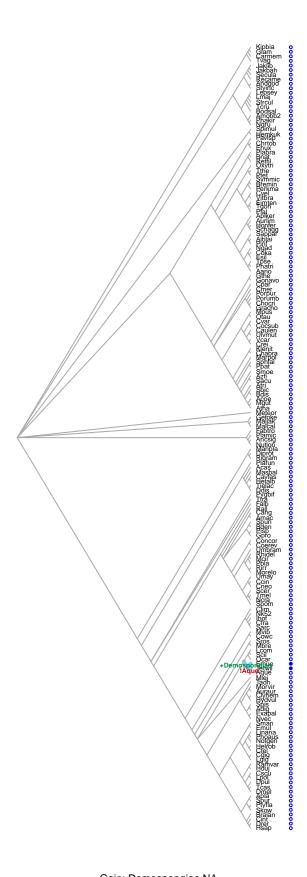


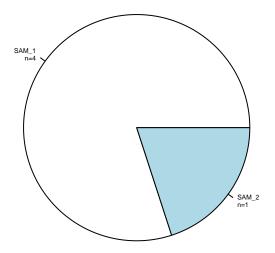
Gain: Metazoa,Tmel,NA
Presence Eukaryota prob = 0.00
Present: 10
Losses: NA

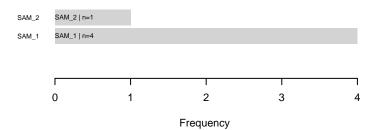


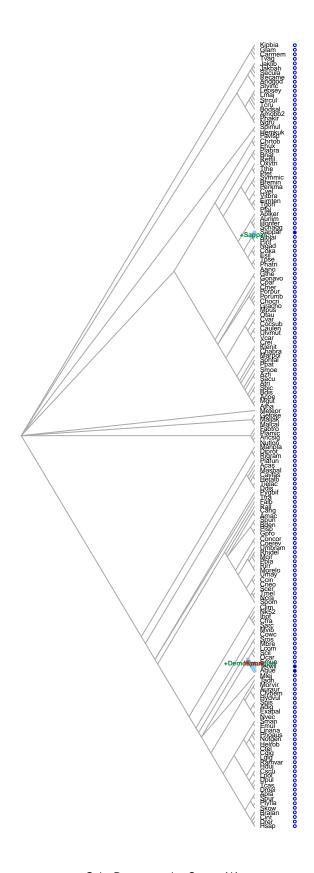


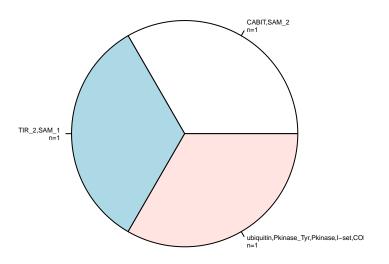


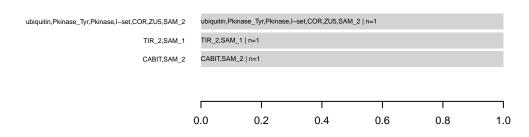




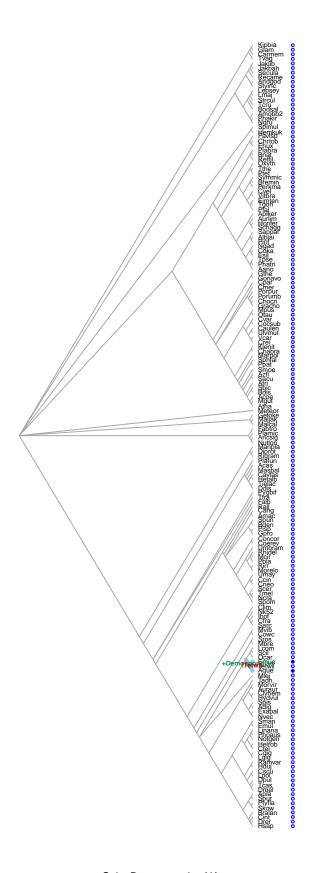


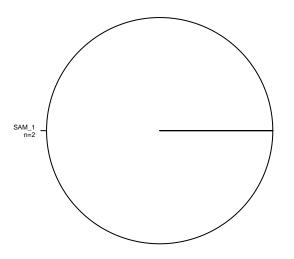


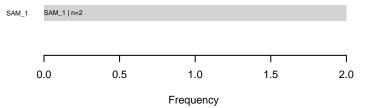


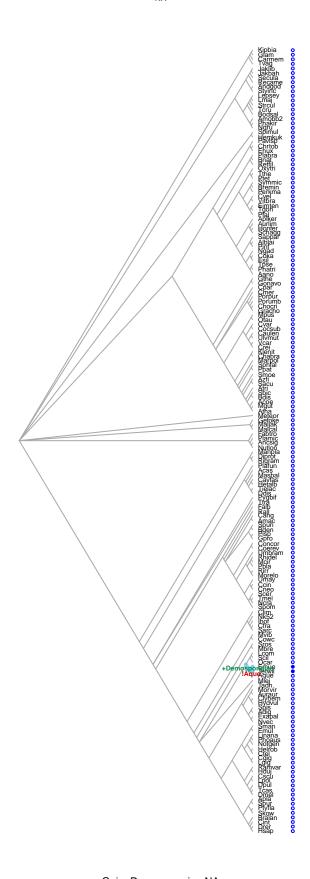


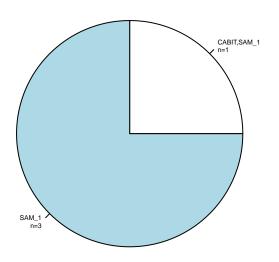
Frequency

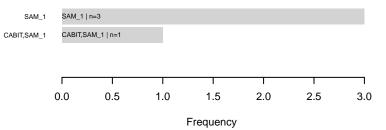


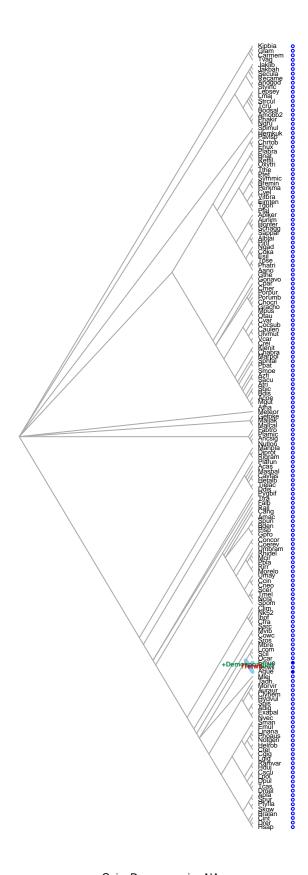


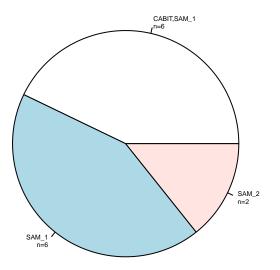


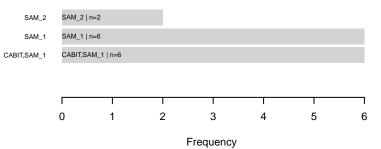


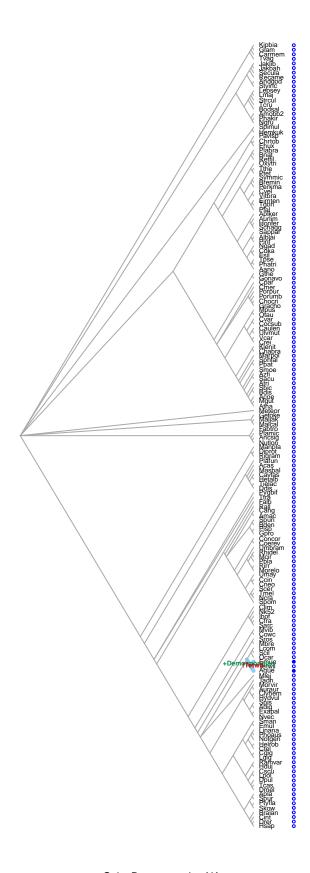


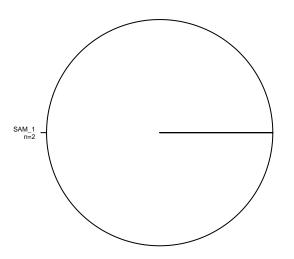


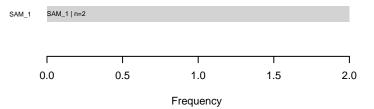


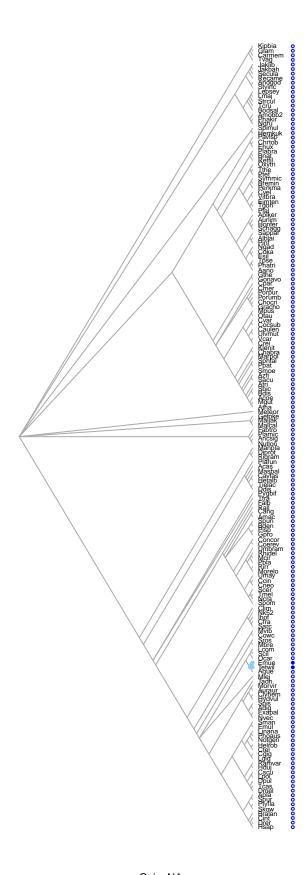


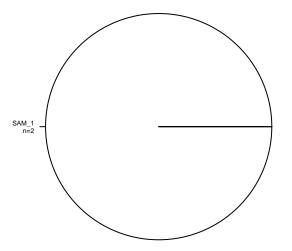


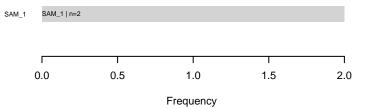




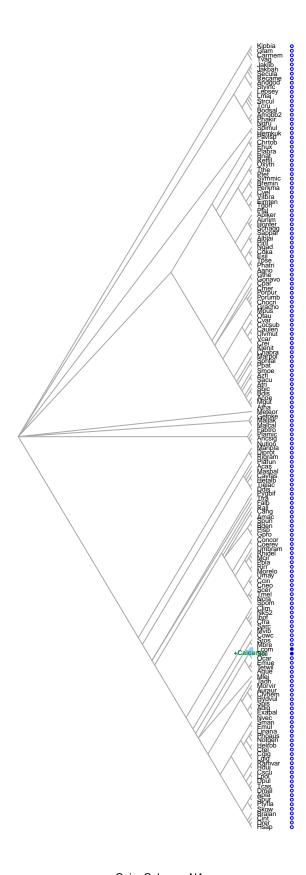


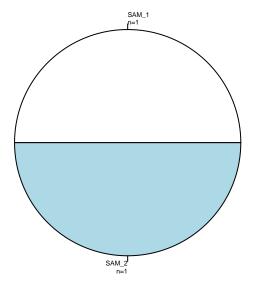


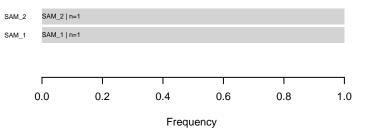




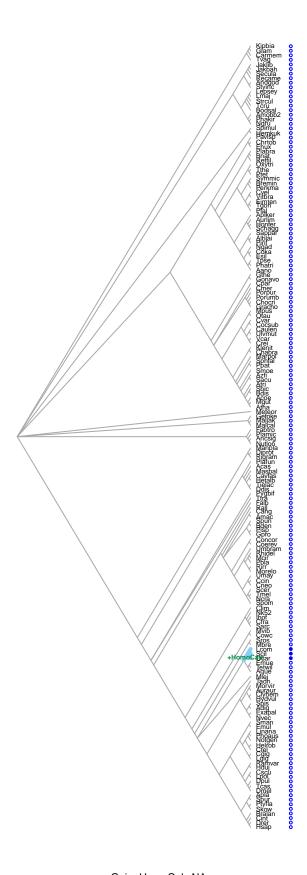
Gain: NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

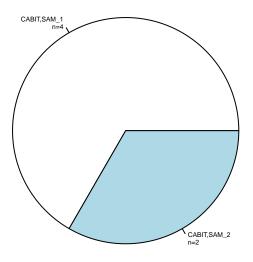


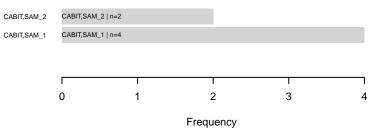




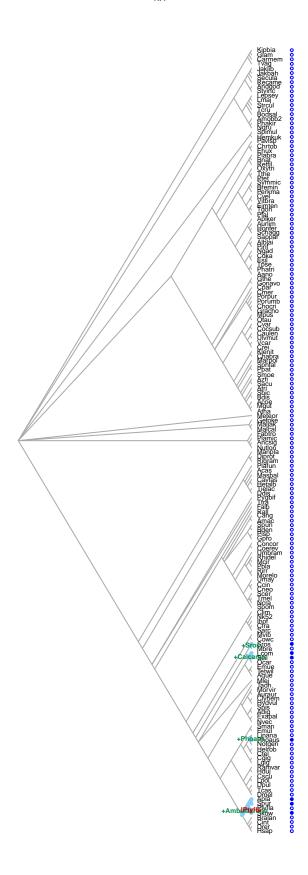
Gain: Calcarea,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

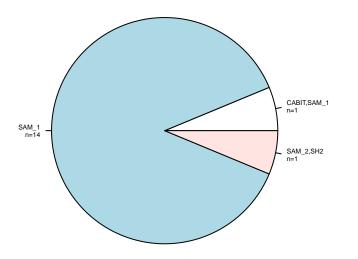


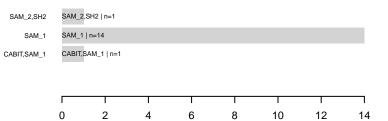




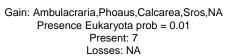
Gain: HomoCalc,NA
Presence Eukaryota prob = 0.00
Present: 3
Losses: NA

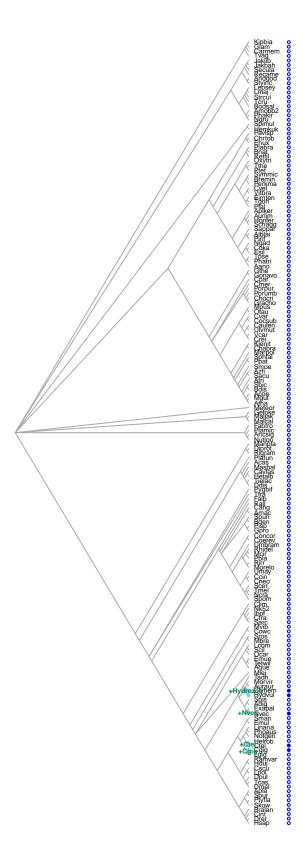


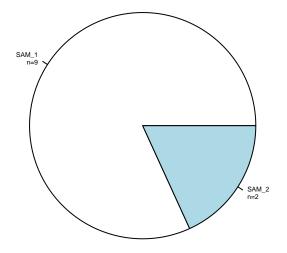


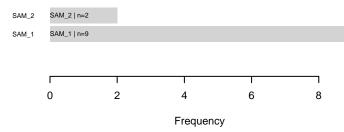


Frequency

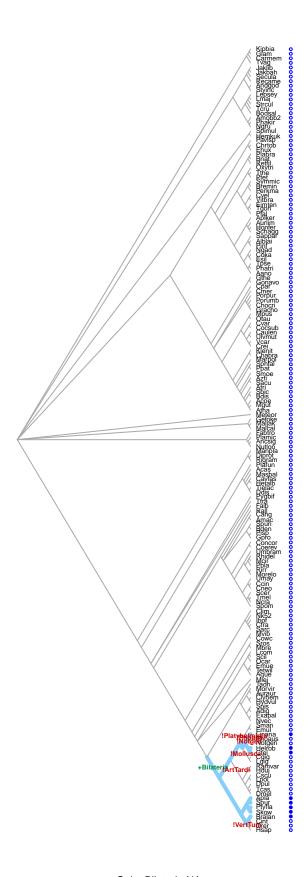


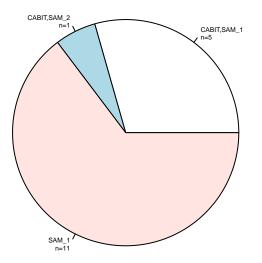


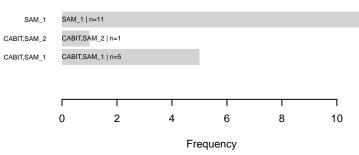




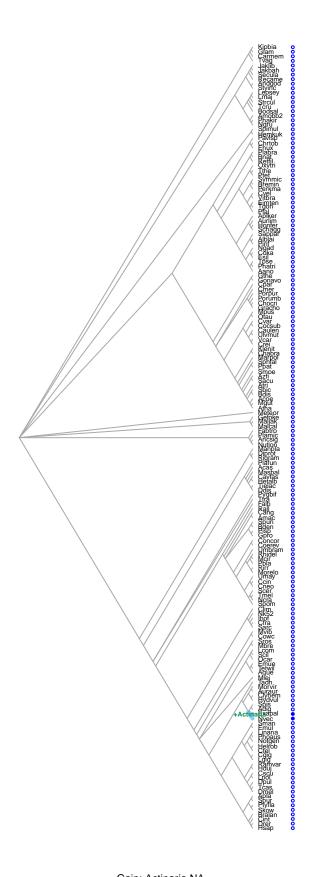
Gain: Cgig,Ctel,Nvec,Hydrozoa,NA Presence Eukaryota prob = 0.00 Present: 5 Losses: NA

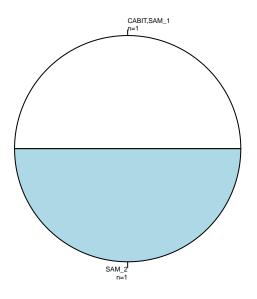


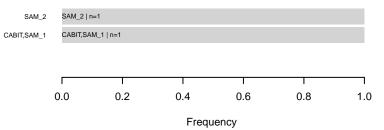




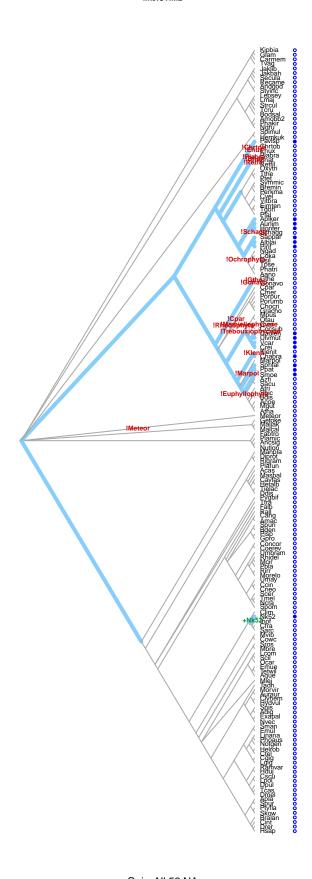
Gain: Bilateria,NA
Presence Eukaryota prob = 0.00
Present: 8
Losses: NA

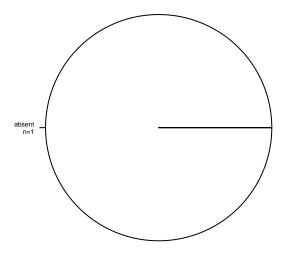






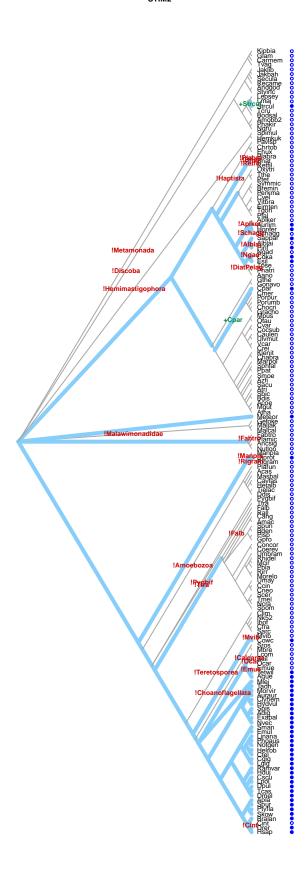
Gain: Actinaria,NA
Presence Eukaryota prob = 0.00
Present: 2
Losses: NA

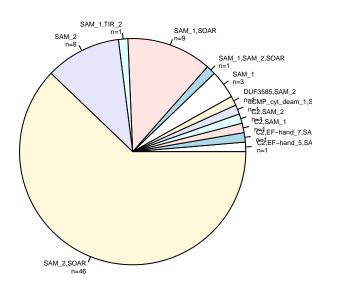


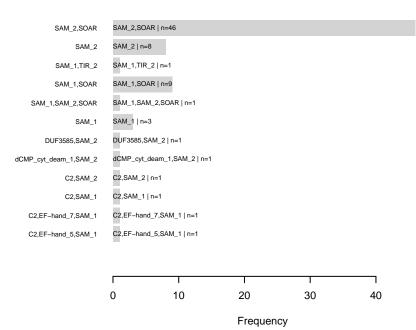




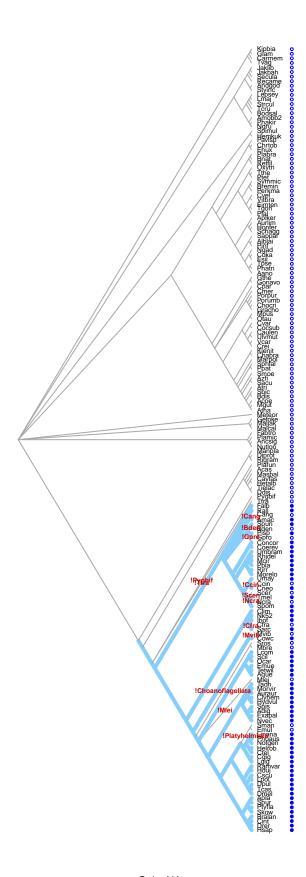
Gain: Nk52,NA
Presence Eukaryota prob = 0.55
Present: 16
Losses: NA

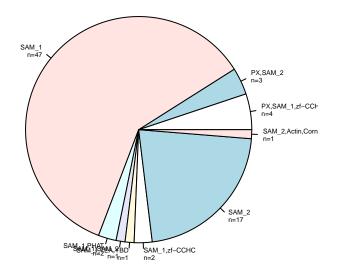


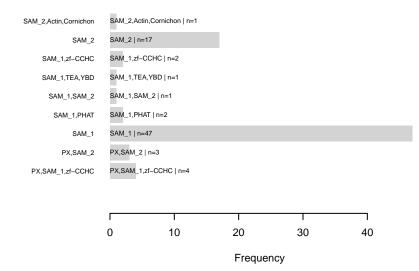




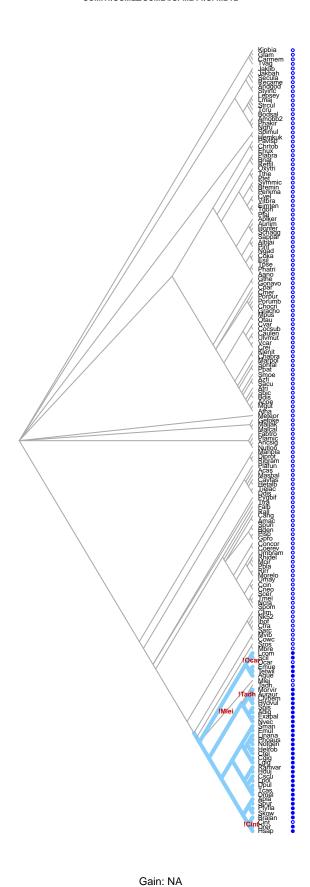
Gain: Cpar,Strcul,NA
Presence Eukaryota prob = 0.99
Present: 46
Losses: NA

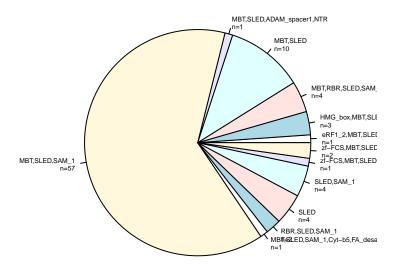


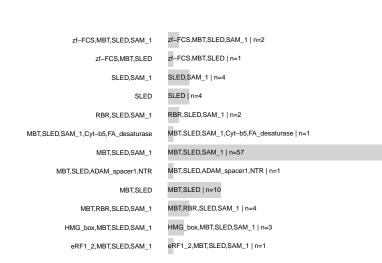


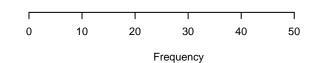


Gain: NA
Presence Eukaryota prob = 0.34
Present: 59
Losses: NA

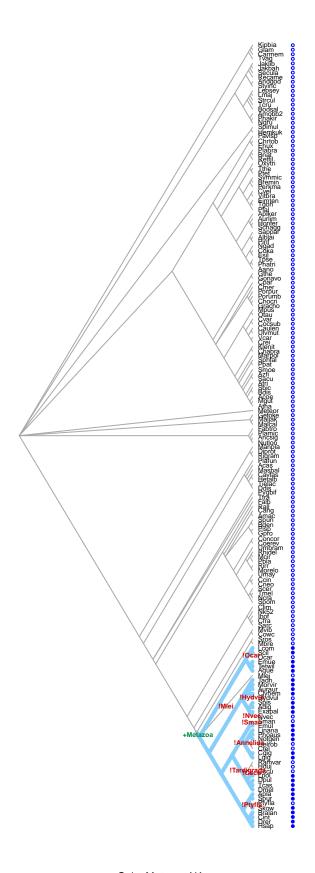


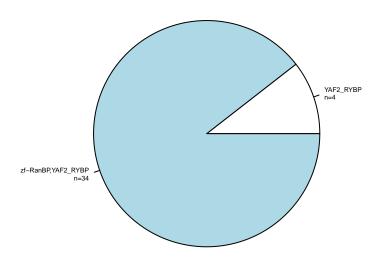


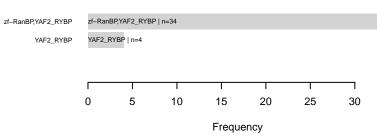




Presence Eukaryota prob = 0.02 Present: 36 Losses: NA







Gain: Metazoa,NA
Presence Eukaryota prob = 0.01
Present: 29
Losses: NA