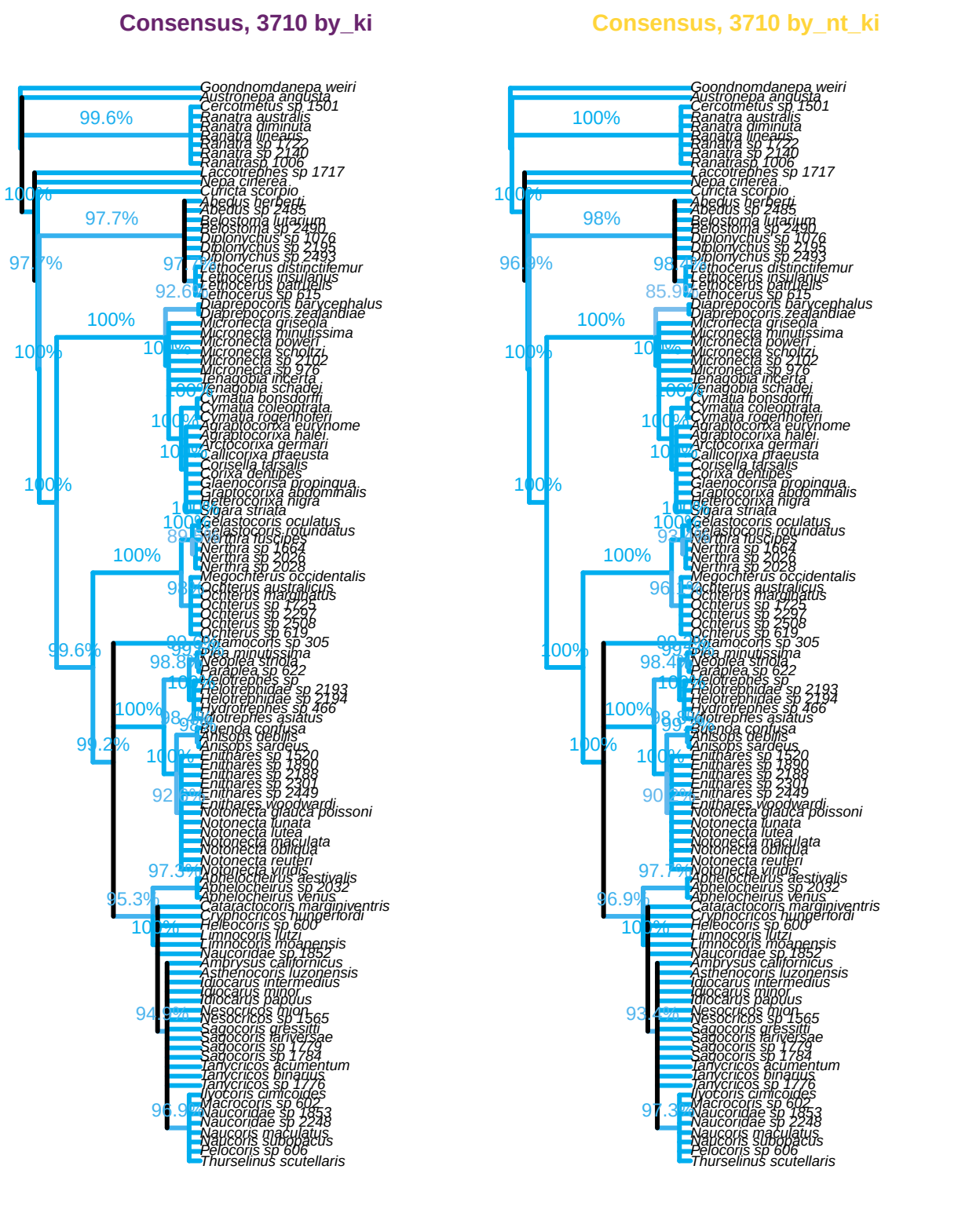
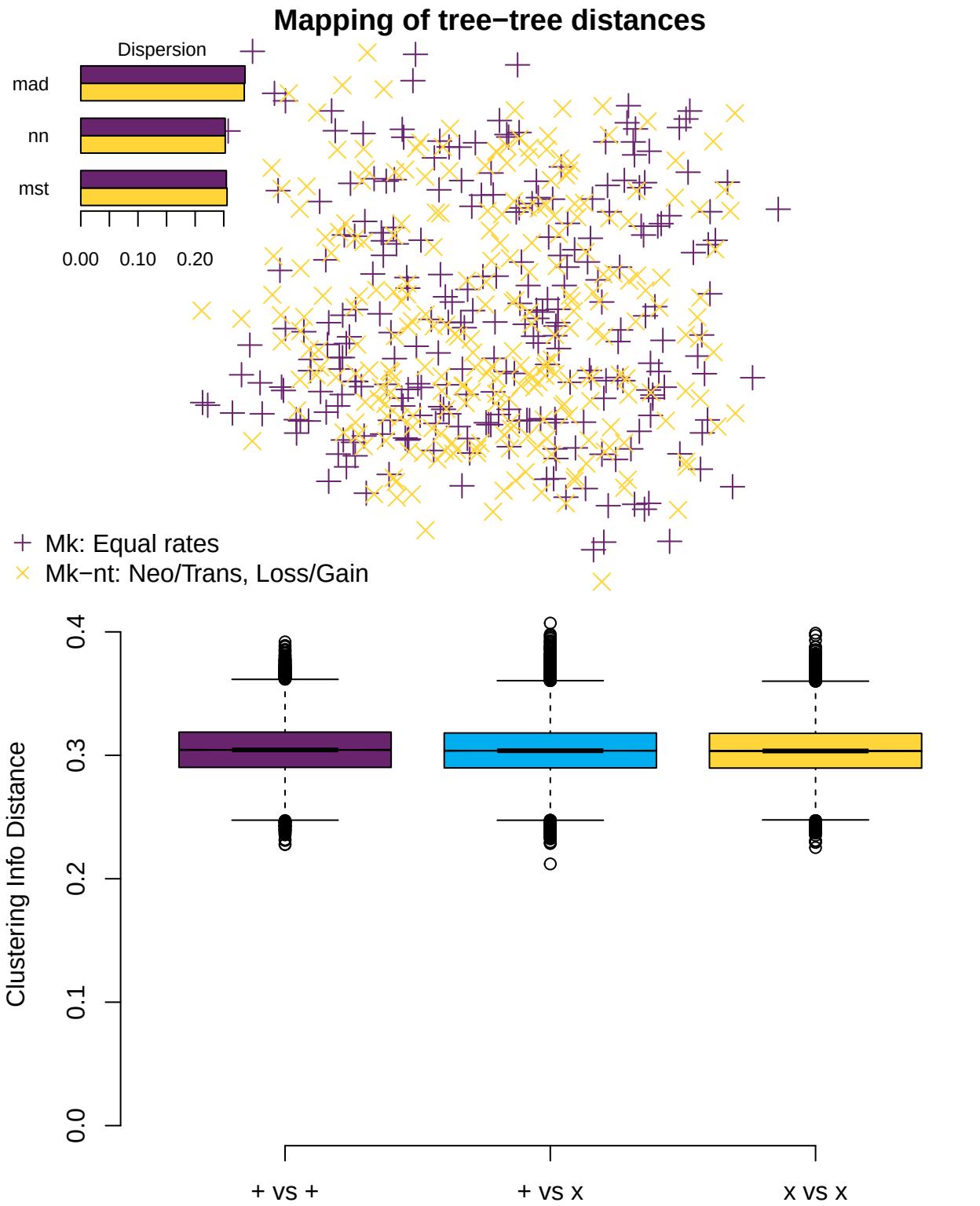
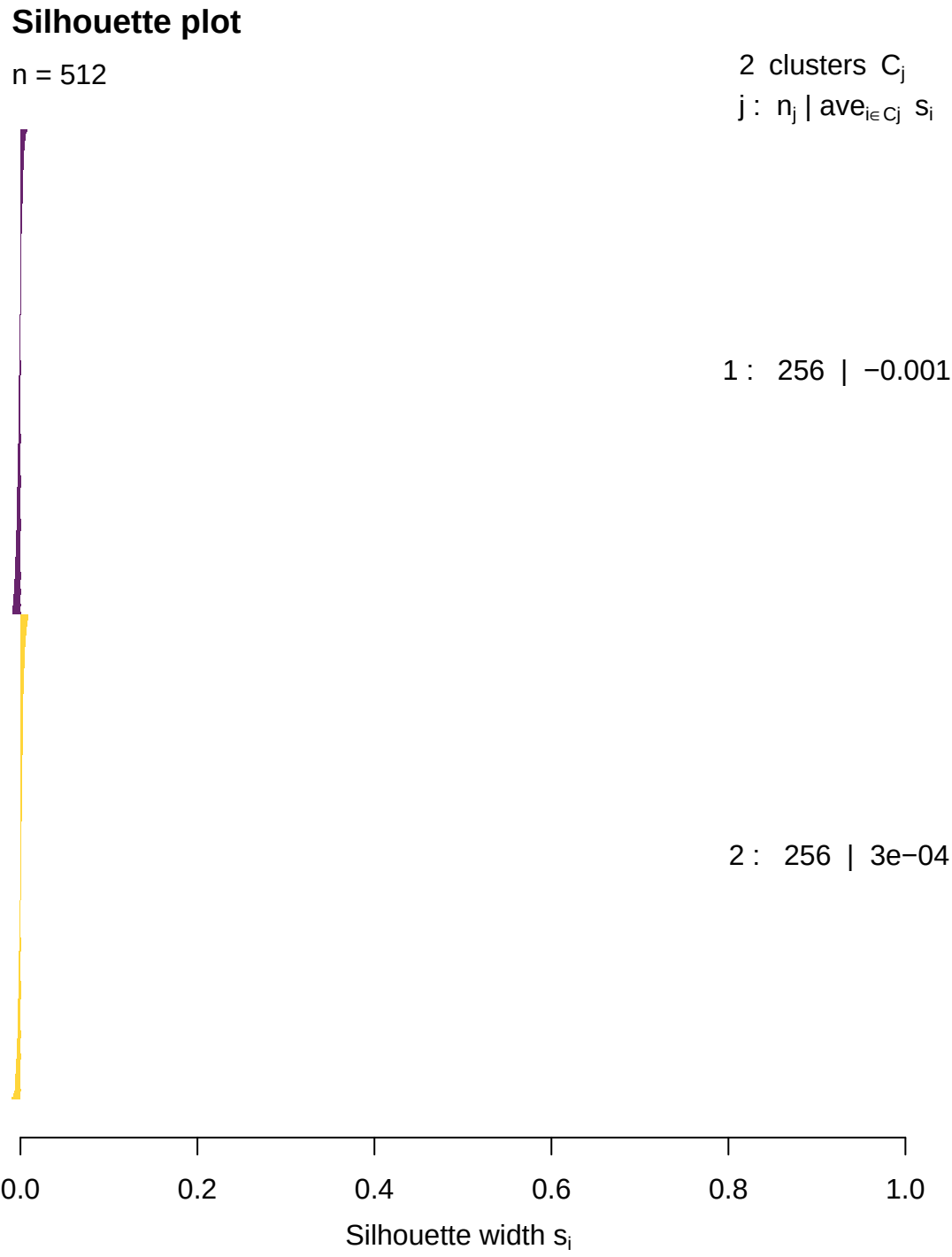
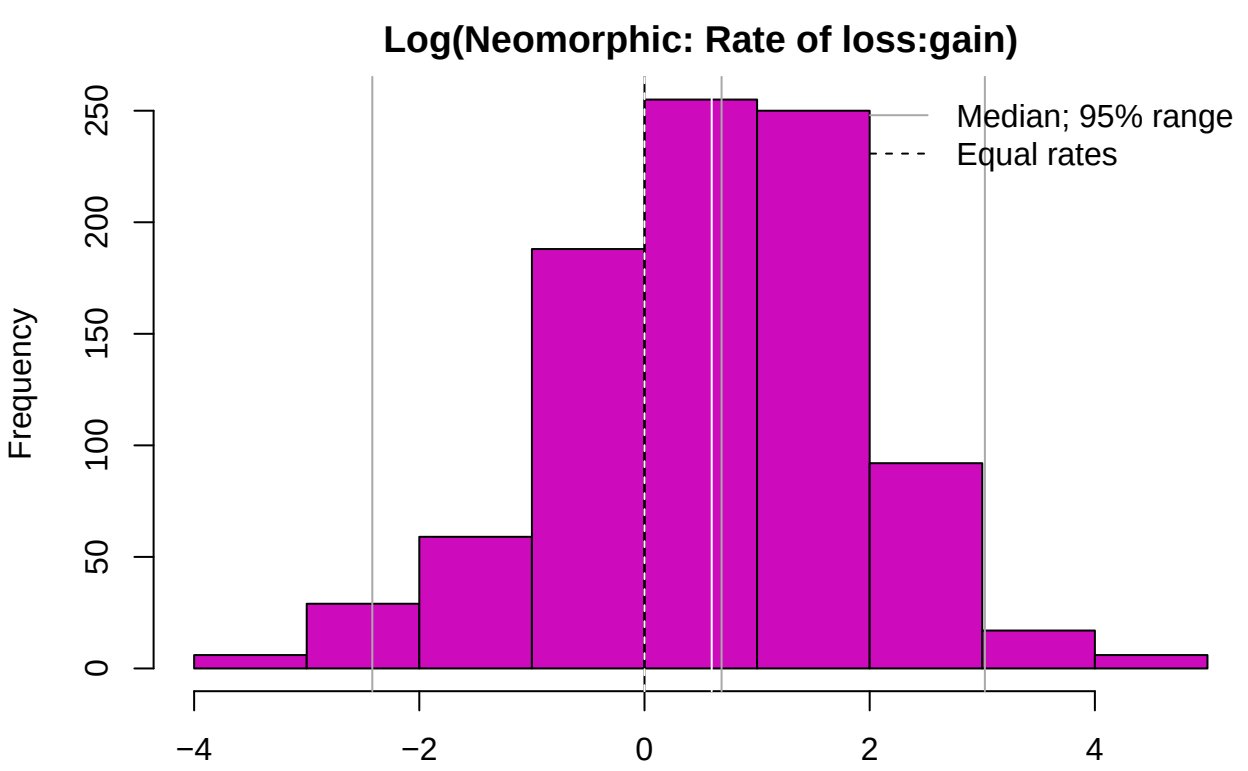
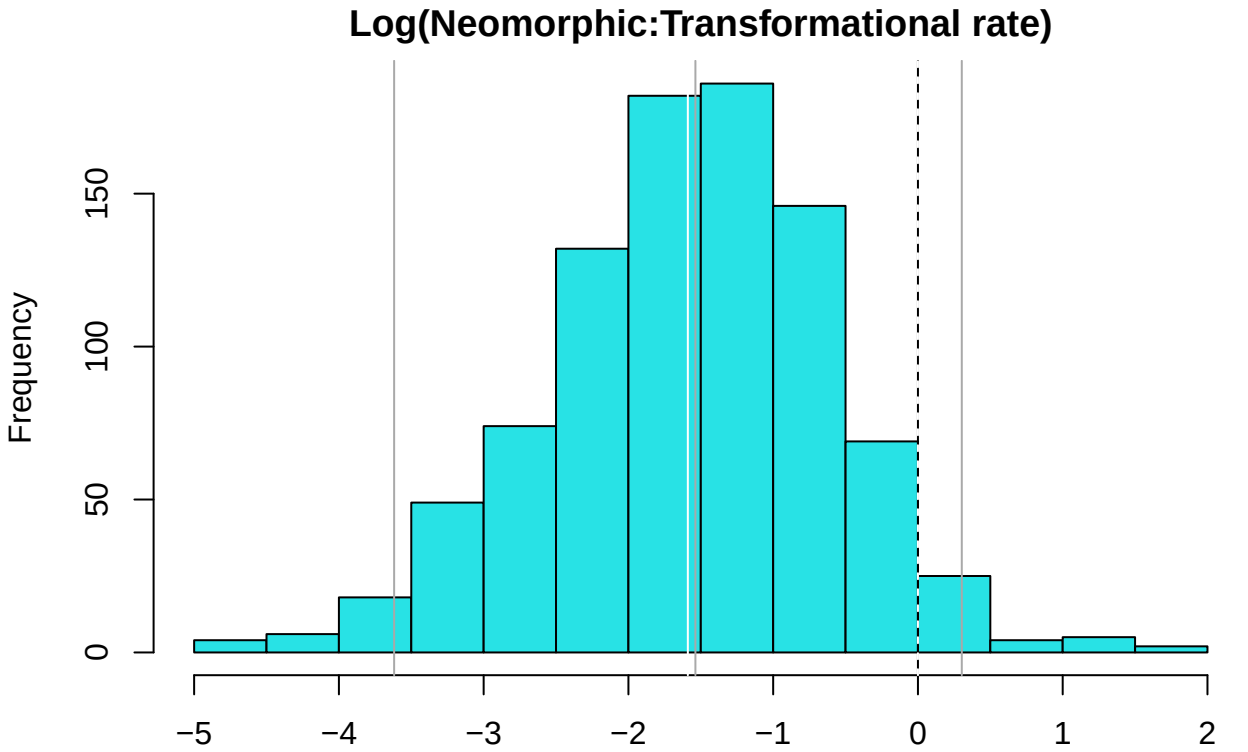

Consensus, 3710 by_ki
Consensus, 3710 by_nt_ki
Goondnomdanepa weiri
Austronepa angusta
Cercotmetus sp 1501
Ranatra australis
Ranatra diminuta
Ranatra lineatis
Ranatra sp 1722
Ranatra sp 2120
Ranatra sp 1006
Laccotrephes sp 1717
Nepa cinerea
Curicta scorpio
Abedus herberti
Abedus sp 2485
Belostoma lutarium
Belostoma sp 2490
Diplonychus sp 1076
Diplonychus sp 2195
Diplonychus sp 2493
Lethocerus distinctifemur
Lethocerus insulanus
Lethocerus patruelis
Lethocerus sp 615
Diaprepocoris barycephalus
Diaprepocoris zealandiae
Micronecta griseola
Micronecta minutissima
Micronecta poweri
Micronecta scholtzi
Micronecta sp 1102
Micronecta sp 976
Tenagobia incerta
Tenagobia schadei
Cymatia bonsdorffi
Cymatia coleoptrata
Cymatia rogenhoferi
Agraptocorixa eurynome
Agraptocorixa hatei
Arctocorixa germari
Callicorixa praeusta
Corisella tarsalis
Corixa dentipes
Glaenocorisa propinqua
Graptocorixa abdominalis
Heterocorixa nigra
Sigara striata
Gelastocoris oculatus
Gelastocoris rotundatus
Nerthra fuscipes
Nerthra sp 1624
Nerthra sp 2026
Nerthra sp 2028
Megochterus occidentalis
Ochterus australicus
Ochterus marginatus
Ochterus sp 1725
Ochterus sp 2267
Ochterus sp 2508
Ochterus sp 619
Potamocoris sp 305
Plea minutissima
Neoplea striola
Paraplea sp 622
Helotrephes sp
Helotrephidae sp 2193
Helotrephidae sp 2194
Hydrotrephes sp 466
Miotrephes asiatus
Buenoa confusa
Anisops debilis
Anisops sardeus
Enithares sp 1520
Enithares sp 1890
Enithares sp 2188
Enithares sp 2301
Enithares sp 2449
Enithares woodwardi
Notonecta glauca poissoni
Notonecta lunata
Notonecta lutea
Notonecta maculata
Notonecta obliqua
Notonecta reuteri
Notonecta viridis
Aphelocheirus aestivalis
Aphelocheirus sp 2032
Aphelocheirus venus
Cataractocoris marginiventris
Cryphocricos hungerfordi
Heleocoris sp 600
Limnocoris lutzi
Limnocoris moapensis
Naucoridae sp 1852
Ambrysus californicus
Asthenocoris luzonensis
Idiocarus intermedius
Idiocarus minor
Idiocarus papulus
Nesocricos minor
Nesocricos sp 1565
Sagocoris gressitti
Sagocoris lariversae
Sagocoris sp 1779
Sagocoris sp 1784
Tanycricos acumentum
Tanycricos binagus
Tanycricos sp 1776
Ilyocoris cimicoides
Macrocoris sp 602
Naucoridae sp 1853
Naucoridae sp 2248
Naucoris maculatus
Naucoris subopacus
Pelocoris sp 606
Thurselinus scutellaris


Mapping of tree−tree distances
Dispersion
mad
nn
mst
0.00
0.10
0.20
Mk: Equal rates
Mk−nt: Neo/Trans, Loss/Gain
Clustering Info Distance
0.0
0.1
0.2
0.3
0.4
+ vs +
+ vs x
x vs x


Silhouette plot
n = 512
2 clusters C_j
j : n_j | $ave_{i \in Cj}$ s_i
1 : 256 | −0.001
2 : 256 | 3e−04
0.0
0.2
0.4
0.6
0.8
1.0
Silhouette width s_i
Average silhouette width : 0


Log(Neomorphic: Rate of loss:gain)
Median; 95% range
Equal rates
Frequency
0
50
100
150
200
250
−4
−2
0
2
4


Log(Neomorphic:Transformational rate)
Frequency
0
50
100
150
−5
−4
−3
−2
−1
0
1
2

	Burnin	PSRF	ESS	FrechESS	mdPsESS	steppingStn	pathSmpl
Mk: Equal rates	0.15	1.00053	308.693	619.06	641.49	−766.292	−755.734
Mk−nt: Neo/Trans, Loss/Gain	0	1.00242	901.245	1397.21	1388.44	−764.631	−754.887