

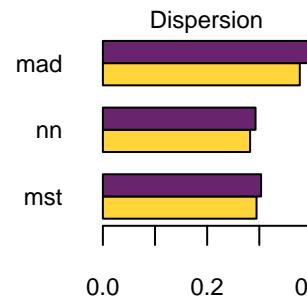
## Consensus, 3646 by\_ki

	<i>Phytosus spinifer</i>
	<i>Amarochara forticornis</i>
	<i>Autalia longicornis</i>
	<i>Colle campbellensis</i>
	<i>Cordalia obscura</i>
	<i>Cyphaea latiuscula</i>
	<i>Diestota testacea</i>
	<i>Diglotta mersa</i>
	<i>Dinarda dentata</i>
	<i>Drusilla canaliculata</i>
	<i>Geostiba circellaris</i>
	<i>Gyrophaena congrua</i>
	<i>Homalota plana</i>
	<i>Hoplandria lateralis</i>
	<i>Leptusa antarctica</i>
	<i>Leucocraspedum scorpio</i>
	<i>Lomechusa emarginata</i>
	<i>Meotica filiformis</i>
	<i>Orphnebius draco</i>
	<i>Phloeopora corticalis</i>
	<i>Phyllodinarda xenocephala</i>
	<i>Placusa incompleta</i>
	<i>Pseudosemiris circassica</i>
	<i>Termitobaena bryanti</i>
82.4%	<i>Zyras collaris</i>
96.1%	<i>Actocharis readingii</i>
	<i>Baeostethus chiltoni</i>
92.6%	<i>Cyllophallia dauphinensis</i>
	<i>Halobrecta flavipes</i>
98.4%	<i>Dioxeuta sp</i>
	<i>Neodioxeuta sp</i>
	<i>Gnypeta carbonaria</i>
	<i>Tachysa objecta</i>
71.1%	<i>Bolitochara pulchra</i>
	<i>Leptusa pulchella</i>
	<i>Silusa rubiginosa</i>
66.8%	<i>Oxypoda longipes</i>
98.3%	<i>Cratarea suturalis</i>
	<i>Haploglossa marginalis</i>
54.7%	<i>Demerina bickmanni</i>
	<i>Ecitogaster sp</i>
65.6%	<i>Ecitomorpha arachnoides</i>
91%	<i>Termitodiscus heimi</i>
	<i>Typhlopomemys sp Israel</i>
	<i>Typhlopomemys sp Tanzania</i>
100%	<i>Piochardia schaumii</i>
98.3%	<i>Aleochara moerens</i>
	<i>Aleochara curtula</i>
	<i>Aleochara sp Myanmar</i>
58.6%	<i>Atheta monticola</i>
50%	<i>Thamiaarea cinnamomea</i>
	<i>Dinaraea linearis</i>
	<i>Hygronoma dimidiata</i>
91%	<i>Masuria plumbea</i>
	<i>Oxypodinus anxius</i>
9%	<i>Pronomaea picea</i>
	<i>Myllaena elongata</i>
63.7%	<i>Termitusa sjoestedti</i>
	<i>Cypha longicornis</i>
	<i>Oligota pumilio</i>
	<i>Paraconosoma polita</i>
100%	<i>Deinopsis erosa</i>
	<i>Gymnusa variegata</i>
94%	<i>Stylogymnusa subantarctica</i>
71%	<i>Habrocerus capillaricornis</i>
92.1%	<i>Trichophya pilicornis</i>
61%	<i>Phloeocaris subtilissima</i>
83%	<i>Olisthaerus megacephalus</i>
	<i>Tachinus proximus</i>

## Consensus, 3646 by\_n\_ki

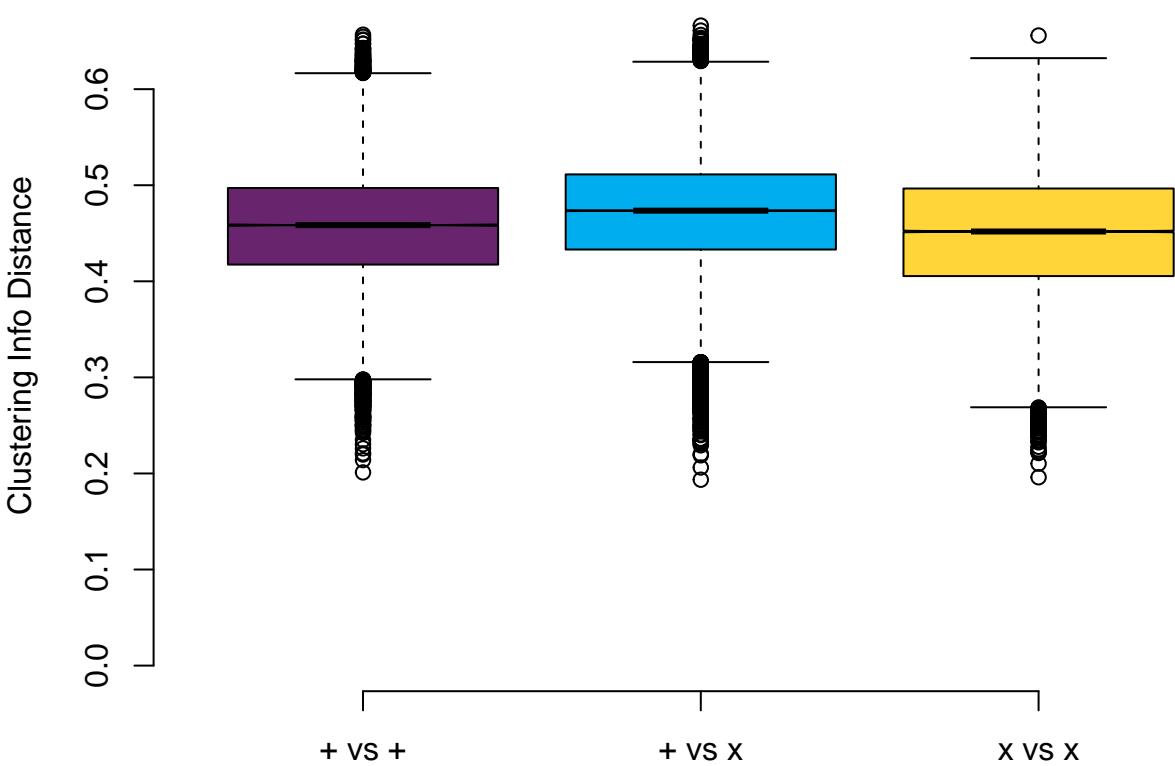
	<i>Phytosus spinifer</i>
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	<i>Ectomorpha arachnoides</i>
98.4%	<i>Dinaraea linearis</i>
	<i>Hygronoma dimidiata</i>
	<i>Dioxeuta sp</i>
	<i>Neodioxeuta sp</i>
	<i>Gnypeta carbonaria</i>
	<i>Tachysa objecta</i>
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	<i>Silusa rubiginosa</i>
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	<i>Termitodiscus heimi</i>
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96.5%	<i>Masuria plumbea</i>
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	<i>Myllaena elongata</i>
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	<i>Cypha longicornis</i>
	<i>Oligota pumilio</i>
	<i>Paraconosoma polita</i>
100%	<i>Deinopsis erosa</i>
	<i>Gymnusa variegata</i>
98%	<i>Stylogymnusa subantarctica</i>
97.3%	<i>Phloeocaris subtilissima</i>
52%	<i>Habrocerus capillaricornis</i>
89%	<i>Trichophya pilicornis</i>
	<i>Olisthaerus megacephalus</i>
	<i>Tachinus proximus</i>

# Mapping of tree-tree distances



0.0 0.2 0.4

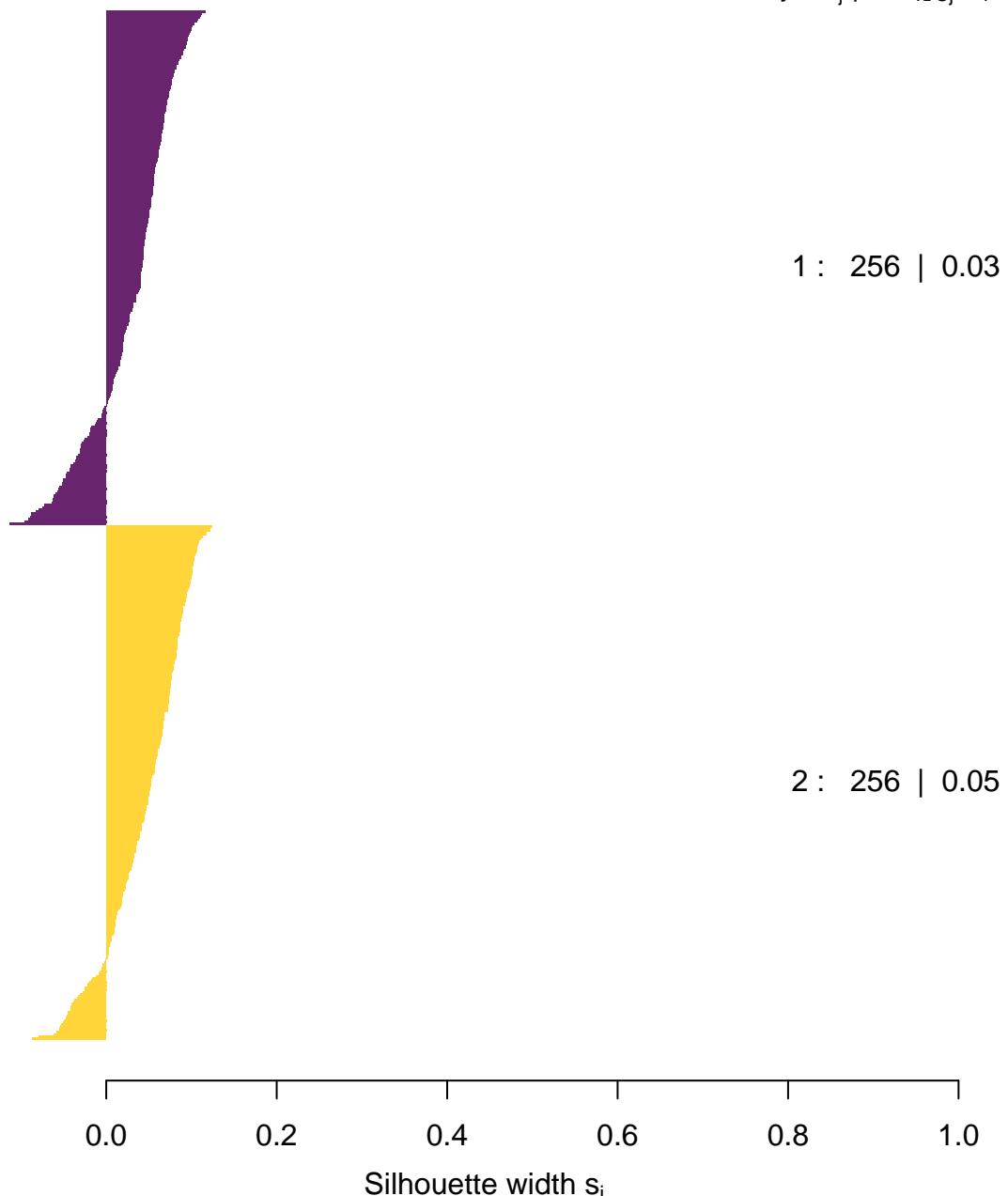
- + Mk: Equal rates
- ✖ Mk-n: Loss/Gain



## Silhouette plot

n = 512

2 clusters  $C_j$   
 $j : n_j | \text{ave}_{i \in C_j} s_i$



Average silhouette width : 0.04

	<b>Burnin</b>	<b>PSRF</b>	<b>ESS</b>	<b>FrechESS</b>	<b>mdPsESS</b>	<b>steppingStn</b>	<b>pathSmpl</b>
<i>Mk: Equal rates</i>	0	1.00489	615.399	273.677	256.521	-2118.19	-2114.27
<i>Mk-n: Loss/Gain</i>	0	1.00151	626.707	391.92	384.077	-2113.82	-2109.2