

Electronic Supplemental Material: What shapes galling insect-parasitoid interaction networks on closely related host plants?

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ESM 3: Network and module connecting roles for parasitoid species in modular ecological networks of Cecidomyiidae gallers on *Mikania* spp. (calculated with *Netcarto R* package). The four networks are organised grouping lower trophic level nodes (gallers) according to four factors being tested (for details see text): a) grouping by both gall morphotype and host plant (GPI); b) grouping by gall morphotype only (GIS, gall structural effect test); c) grouping by galler genus (GIG, galler phylogeny test) and d) grouping by host plant (HPS, host effect test) All samples between 2015 and 2017 in hill forests of Porto Alegre, Brazil.

morphospecies code	a) GPI	b) GIS	c) GIG	d) HPS
Aph_a	connector	peripheral	peripheral	peripheral
Aph_b	connector	peripheral	peripheral	peripheral
Bra_a	connector	connector	peripheral	peripheral
Bra_b	connector	peripheral	peripheral	peripheral
Enc_a	peripheral	peripheral	peripheral	peripheral
Enc_b	connector	connector	peripheral	peripheral
Eul_a	peripheral	peripheral	peripheral	peripheral
Eul_b	peripheral	peripheral	peripheral	peripheral
Eul_c	peripheral	peripheral	peripheral	peripheral
Eul_d	peripheral	peripheral	provincial hub	hub connector
Eul_e	connector	peripheral	peripheral	peripheral
Eul_f	peripheral	peripheral	peripheral	peripheral
Eul_g	connector	peripheral	peripheral	peripheral
Eul_h	connector	connector	peripheral	peripheral
Eul_i	connector	connector	peripheral	peripheral

Eup_a	peripheral	peripheral	peripheral	peripheral
Eup_b	peripheral	peripheral	peripheral	peripheral
Eup_c	connector	peripheral	peripheral	peripheral
Eur_a	peripheral	peripheral	peripheral	peripheral
Eur_b	connector	peripheral	peripheral	hub connector
Fig_a	connector	connector	connector	peripheral
Mym_a	peripheral	peripheral	peripheral	peripheral
Pla_a	connector	connector	hub connector	hub connector
Pte_a	peripheral	peripheral	peripheral	peripheral
Pte_b	peripheral	peripheral	peripheral	peripheral
Pte_c	connector	connector	peripheral	peripheral
Pte_d	connector	peripheral	peripheral	peripheral
Pte_e	peripheral	peripheral	peripheral	peripheral
Pte_f	connector	connector	peripheral	peripheral
Pte_g	connector	peripheral	peripheral	peripheral
Tor_a	peripheral	peripheral	peripheral	peripheral
Tor_b	peripheral	peripheral	peripheral	peripheral
Tor_d	peripheral	peripheral	peripheral	peripheral
Dip_a	connector	connector	peripheral	peripheral
Dip_b	connector	connector	peripheral	peripheral
Dip_c	connector	connector	connector	peripheral
Dip_d	ultra-peripheral	connector	connector	peripheral