

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

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**ESM 4:** Network and module connecting roles for groupings of galler species in modular ecological networks of Cecidomyiidae gallers on *Mikania* spp. (vertical axis: within module degree, horizontal axis: among module connectivity, calculated with *Netcarto R* package). The three 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); and c) grouping by galler genus (GIG, galler phylogeny test). The species to the right of the black vertical line in **a)** is considered a connector, the others peripheral. All samples between 2015 and 2017 in hill forests of Porto Alegre, Brazil.



