

FIG A1

**Figure A1: Difference in bridging propensity between sex ( $SDI_{bp}$ ) vs. SSD ( $SDI_{SSD}$ ).**

SSD was measured either using body mass (a) or carapace width (b) using the SDI index. Also an SDI index was calculated for difference in bridging propensity between sexes. Plots show the relationship of SSD (Fig A1a,  $SDI_{mass}$ ; Fig A1b,  $SDI_{cw}$ ) and difference in bridging propensity ( $SDI_{bp}$ ). Points are raw data without controlling for the phylogeny (n=13).

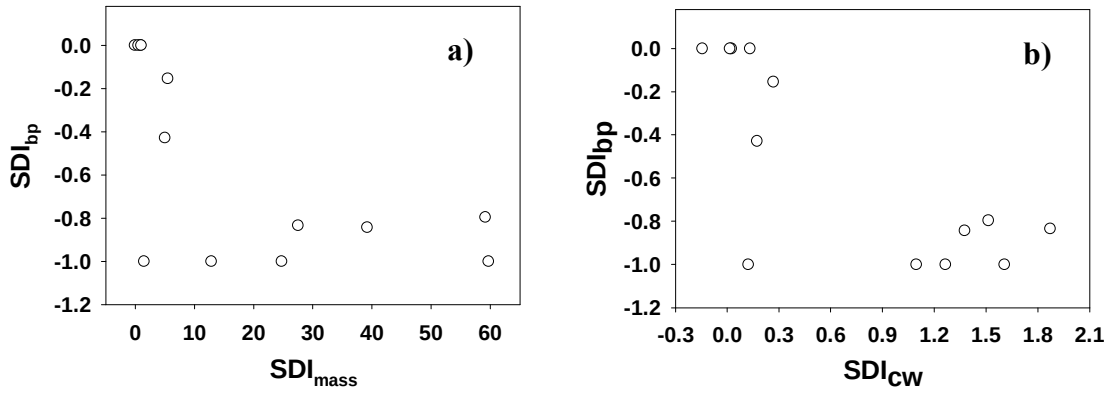


FIG A2

**Figure A2: Bridging propensity vs. body size.**

Plots showing the relationship between body size, measured either as mass (a, c) or as carapace width (cw) (b, d), and bridging propensity (bp). Females (a,b), Males (c,d). All the variables were log-transformed, and in the case of bridging propensity, since the data included 0, we add 1 before log-transformation. Points are raw data without controlling for the phylogeny (n=13)

