**FIGURES**

**Fig. 1** The río La Antigua basin at Veracruz, Mexico. Sampled localities are: 1, Pixquiac (Coord: UTM 14Q 0715115, 2154905; altitude 1245 m a.s.l.), 2. Xico (0709328, 2148062; 1438 m), 3. Agua Bendita (0708849, 2147130; 1278 m), 4. Teocelo (0712295, 2143510; 1115 m), 5. Baxtla (0712154, 2142160; 1105 m), 6. Jalcomulco (0725770, 2144871; 617 m), 7. Apazapan (0738583, 2139350; 328 m), 8. Río de Los Pescados (0741490, 2137128; 282 m), 9. El Carrizal (0748702, 2138013; 211 m), 10. Puente Nacional (0764574, 2138651; 78 m), 11. Antigua Presa (770702, 2140755; 42 m)

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**Fig. 2** Relationship between component community species richness (SO) and mean infracommunity species richness; A) monogeneans; B) endohelminths.

**Fig. 3.** Intraspecific aggregations. Eighty values of J calculated for each parasite species. Note 56 values J > 0 (range 0.02 to 18.39), 9 values J < 0 (range – 0.79 to – 0.01) and 15 values J = 0

**Fig. 4.** Interspecific aggregations. Seventy seven values of A1,2 calculated for each of 16 pair of parasite species. Note 64 values A1,2 > 1 (range 1.1 to 52.8).