

DIGITAL APPENDIX 3

SEM pictures of ostracodes from lakes of the Lacandón forest and Montebello. The abbreviations used for descriptions of the valves are: Cp (carapace), dv (dorsal view), vv (ventral view), ev (external view), iv (internal view), LV (left valve), and RV (right valve).

Keysercypria sp. (7A) dv Cp; (7B) RV, ev; (7C) LV, ev; (7D) LV, iv; (7E) anterior margin serrated on LV, iv. *Potamocypris* sp. (8A) dv Cp; (8B) right Cp, IV; (8C) LV, ev; (8D) RV, ev; (8E) LV, iv; (8F) RV, iv; (8G) muscle scars on right Cp; (8H) pores and setae on right Cp. *Cypridopsis* sp. (9A) vv Cp; (9B) dv Cp; (9C) RV, ev; (9D) LV, ev; (9E) RV, iv; (9F) LV, iv; (9G) muscle scars on LV, iv. Cyprididae. (10A) vv Cp; (10B) dv Cp; (10C) right Cp; (10D) left Cp; (10E) RV, iv; (10F) muscle scars on RV, iv. *Strandesia* sp. (11A) dv Cp; (11B) RV, ev; (11C) LV, ev; (11D) LV, iv; (11E) ornamentation on right Cp. *Cypria* sp. (12A) left Cp; (12B) LV, iv; (12C) RV, iv; (12D) muscle scars; (12E) posterior margin serrated on RV, iv.

