



**Figure S2.** Boxplots of morphological measurements among ctenophore species including *B. infundibulum* s.s. (gray), *B. microptera* (blue), *B. mikado* (green), *B. aff. vitrea* (coral), *B. vitrea* s.s. (yellow), and *M. leidy* (black) for auricle (A) and lobe (L) lengths, the distances from the mouth to the oral lobe (mol), mouth to the lobe base (mlb), mouth to keel (mK), statocyst to keel (stat-K), the auricle tip to the mouth (am), and the lengths of the subtentacular ctenes (ster) and sub-stomodaeal ctenes (sscr).