

SUPPLEMENTARY MATERIAL

The supplementary material contains morphological measurements of the ionoregulatory organs, namely the Malpighian tubules and the rectum.

Figure S1

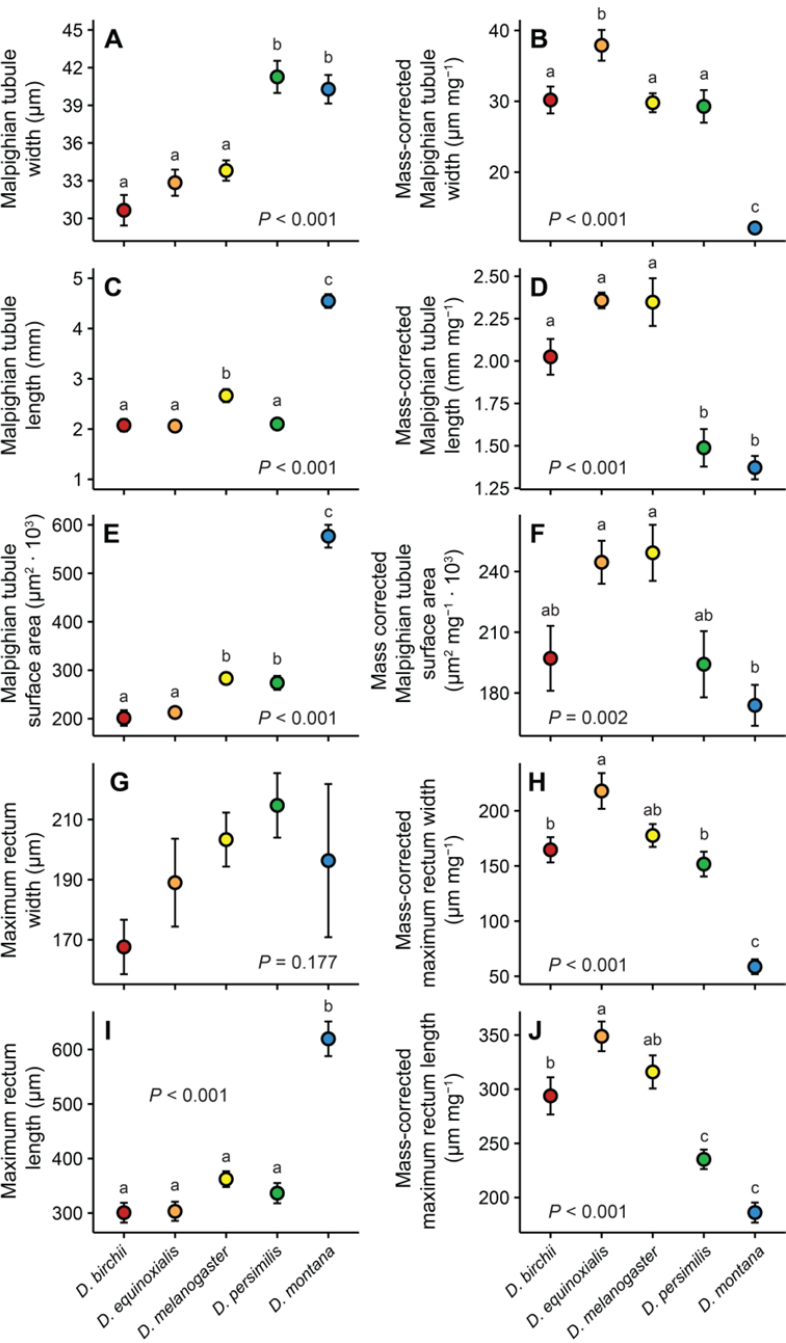


Figure S1 – Morphological measurements of the ionoregulatory organs in five species of *Drosophila*. To investigate if differences in ionoregulatory capacity related to differences in organ size, we measured (A) width and (C) length of the Malpighian tubules to calculate (E) surface area and (Fig. 3B) volume, along with the (G) width and (I) length of the rectum. Additionally, these measurements were corrected for body mass (right column; values for mass found in Fig. 3A). Data points sharing a letter are not statistically different (Tukey's Honest Significant Differences *post hoc* test) and error bars not visible are occluded by the symbols. N = 5-7 per species.