

Table S1. Residual Maximum Likelihood analysis of metabolic reserves (glycogen and triglycerides) after cold acclimation in *Drosophila* species of different biogeographic origins (temperate and tropical). The stars indicate significance levels: * $P < 0.05$, ** $P < 0.01$ and *** $P < 0.001$.

Effect	Estimate	P value
Biogeographic origin (1)	-0.14	0.99
Metabolite (2)	64.03	***
1 X 2	-25.11	0.13

Table S2. Percentage of mating receptivity of reproductively arrested females at successive days after transfer from cold acclimation to room temperature (25°C). Each value represents the percentage of success crosses obtained from 20 replicates.

	<i>D. buzzatii</i>	<i>D. koepferae</i>	<i>D. borborema</i>	<i>D. venezolana</i>
Day 0	10	0	0	0
Day 1	60	0	0	0
Day 2	70	85	50	10
Day 3	75	85	70	60
Day 4	75	80	65	80