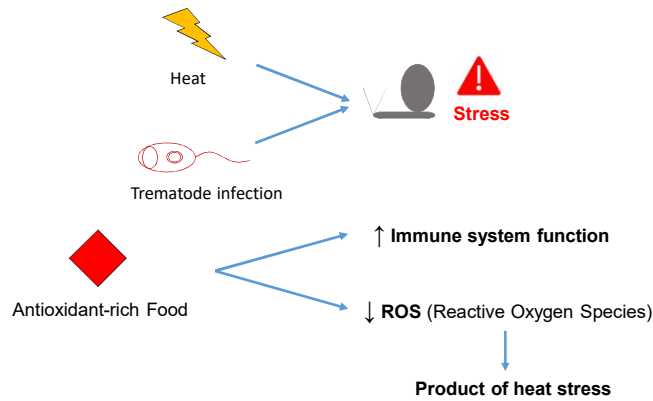
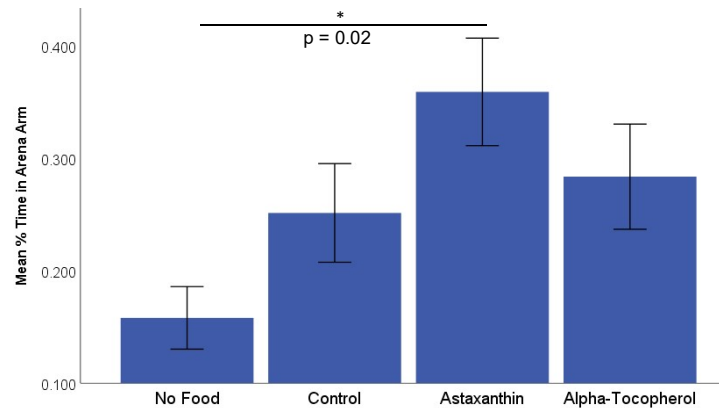


Background



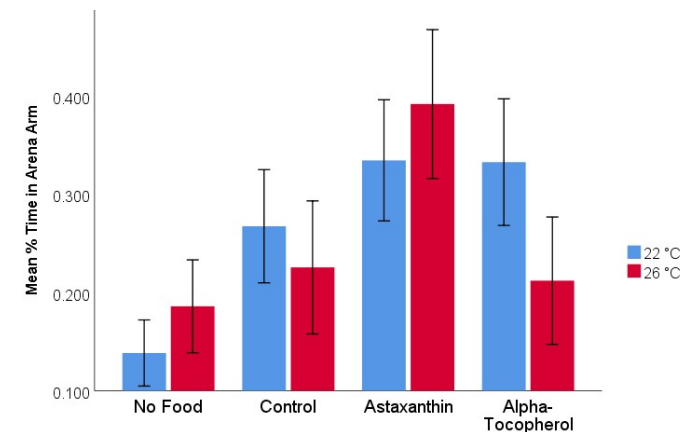
Hypothesis – Snails with trematode infections and exposure to increased temperatures will show greater preference for antioxidant-rich foods

General Preference for Astaxanthin



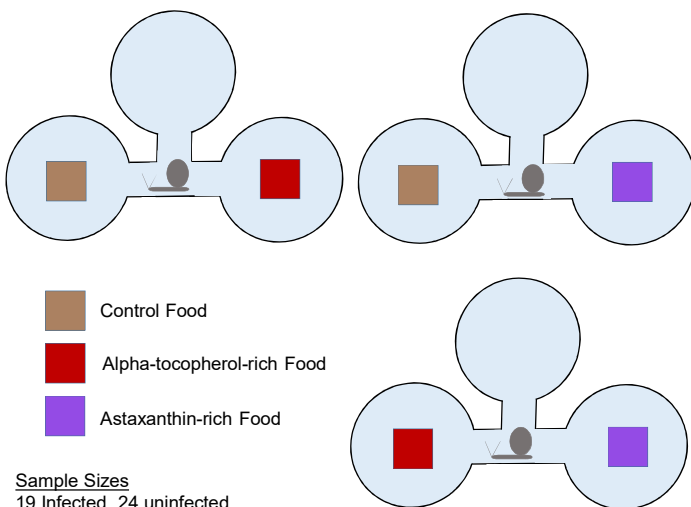
Selection of food types ($F_{3,302} = 3.150$, $P = 0.025$)

Temperature Does Not Impact Selection



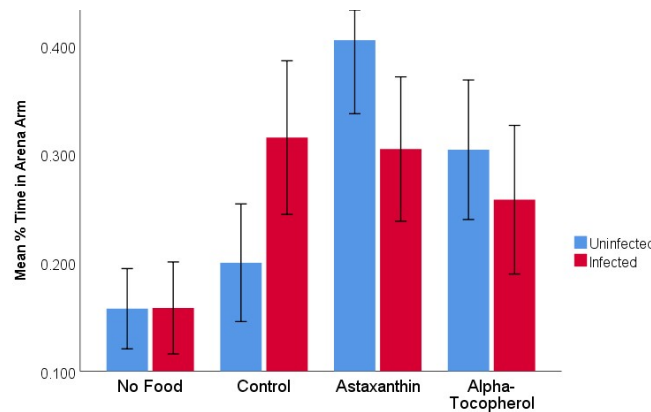
Effect of temperature ($F_{1,302} = 0.000$, $P = 0.991$)

Methodology



Sample Sizes
19 Infected, 24 uninfected
24 exposed to 22 °C, 19 exposed to 26 °C

Infection Does Not Impact Selection



Effect of infection ($F_{1,302} = 0.027$, $P = 0.868$)

Conclusions

- Snails show general preference for the antioxidant astaxanthin
- Trematode infection does not change snail preference for antioxidants
- Exposure to increased temperature does not change snail preference for antioxidants

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