

Effect of hunger level and time of day on boldness and aggression in the zebrafish *Danio rerio*

*Abstract*

*The effect of two environmental variables, hunger level (fed or not fed before behavioural assays) and time of day (morning or afternoon), on the boldness and aggressiveness of male and female zebrafish *Danio rerio*, was tested. The results showed that neither hunger level nor time of testing influenced boldness in males and females, but hunger level significantly affected aggression in females when compared with males.*

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