

Legend of Abbreviations

Data from:

A metabolic syndrome in terrestrial ectotherms with different elevational and distribution patterns

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We have examined the variation in metabolic traits in sympatric species of ectotherms from three groups: amphibians, reptiles and beetles, originating from mid-elevations.

Respiration rate was experimentally determined using glass flasks with impermeable lids, inside which we placed tested individuals and measured oxygen consumption by determining inside oxygen saturation (%) with a sensor and a fibre-optic oxygen meter (PreSens, Regensburg, Germany) over a total period of 90 minutes. Measurements were taken at three temperatures, in 5°C intervals.

Potential metabolic activity was determined from a muscle and bone tissue sample and estimated as the amount of oxygen consumption that would occur if all enzymes that consume oxygen functioned maximally in the reaction of reduction of INT into formazan. Measurements were taken at three temperatures, in 5°C intervals (see Materials and Methodes for more information).

The data package includes the data used to create plots and perform analysis of metabolic traits. Each row represents values of one individual.

Legend of abbreviations used in column labels:

SP = Species: IHOR = *Iberolacerta horvathi*, PMUR = *Podarcis muralis*, SATR = *Salamandra atra*, SSAL = *S. salamandra*, CCRO = *Carabus croaticus*, CCOR = *C. coriaceus*

PMA1 = Potential metabolic activity at the lowest temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)

PMA2 = Potential metabolic activity at the middle temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)

PMA3 = Potential metabolic activity at the highest temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)

RR1 = Respiration rate activity at the lowest temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)

RR2 = Respiration rate activity at the middle temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)

RR3 = Respiration rate activity at the highest temperature ($\mu\text{LO}_2\text{g}^{-1}\text{WWh}^{-1}$)