

Metadata S2

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Copepods true colors: astaxanthin pigmentation as an indicator of individual fitness

Journal name: Ecological Monographs

- Description of:

Data S2. List of the detailed quantifications of carotenoids forms in copepods found in 18 articles from the literature

This dataset provides the percentage of the various astaxanthin forms found in copepods according to ecosystem, species and stages.

- Column details:

study, year, order: name of authors, year of publication, and we added the column “order” with letters a, b or c if authors published several articles in a year

latitude (°N): latitude of copepod samplings, as described in articles

ecosystem: freshwater or marine

altitude (m): altitude above sea level for freshwater ecosystems
this information is generally provided in articles, otherwise it was searched on the web

species: copepod species of the individual whose pigmentation was quantified:
“mixed” or separated by a comma = *if several species were present*

stage: copepod stages
adults_females, adults_males, adults_females_eggs (= *adults females with eggs*), copepodites, nauplii, eggs, mixed (= *if several stages*)

free: part of the free form of astaxanthin on total astaxanthin
percentage (*if given by authors*)
dominance or minority (*if mentioned in the text by authors*)

all_esters: part of all astaxanthin esters on total astaxanthin
percentage (*if given by authors*)
dominance or minority (*if mentioned in the text by authors*)

mono-esters: part of astaxanthin mono-esters on total astaxanthin percentage (*if given by authors*)
dominance or minority (*if mentioned in the text by authors*)
NA (*if nothing specified*)

di-esters: part of astaxanthin di-esters on total astaxanthin percentage (*if given by authors*)
dominance or minority (*if mentioned in the text by authors*)
NA (*if nothing specified*)