

# Basic data for Elevated plasma phospholipid n-3 docosapentaenoic acid concentrations during hibernation (PONE-D-22-30692R2)

**SND-ID:** 2023-112-1. **Version:** 1. **DOI:** <https://doi.org/10.48723/74x3-8283>

## Download data

Fatty acids Bears.csv (7.73 KB)

Fatty acids Dormice.csv (29.72 KB)

## Associated documentation

variable\_list\_fatty\_acid\_bears.xlsx (9.71 KB)

variable\_list\_fatty\_acids\_dormice.xlsx (10.47 KB)

## Download all files

2023-112-1-1.zip (~57.63 KB)

## Citation

Strandvik, B. (2023) Basic data for Elevated plasma phospholipid n-3 docosapentaenoic acid concentrations during hibernation (PONE-D-22-30692R2) (Version 1) [Data set]. Karolinska Institutet. Available at: <https://doi.org/10.48723/74x3-8283>

## Alternative title

Elevated plasma phospholipid n-3 docosapentaenoic acid concentrations during hibernation

## Creator/Principal investigator(s)

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## Research principal

[Karolinska Institutet](#) - Bioscience and nutrition

## Description

This data was used in a study investigating plasma phospholipid fatty acid profiles during hibernation and summer in free-ranging brown bears (*Ursus arctos*) and in captive garden dormice (*Eliomys quercinus*). The data shows elevated plasma phospholipid n-3 docosapentaenoic acid concentrations.

An analysis of blood samples from bears and dormice.

Blood samples were taken from 11 free-ranging sub-adult 2-to 3-yr-old Eurasian brown bears equipped with a Global Positioning System (GPS) collar in Dalarna and Gävleborg's Counties, Sweden during 2012-2014.

In total 56 garden dormice obtained from a breeding colony kept at the Research Institute of Wildlife Ecology (Vienna, Austria) were included in these experiments. The dormice presented in this study were part of a large experiment conducted over 3 consecutive years where animals had to be sacrificed at different time-points during hibernation (torpor and euthermic) to assess to various

tissues, including the heart and other organs of interest.

A variable lists with descriptions for each table are included in the documentation files

### **Data contains personal data**

No

### **Language**

[English](#)

### **Data format / data structure**

[Numeric](#)

### **Species and taxons**

[Brown bear](#)

[Trädgårdssovare](#)

[Ursus arctos](#)

[Eliomys quercinus](#)

[Garden dormouse](#)

### **Responsible department/unit**

Bioscience and nutrition

### **Ethics Review**

Ref. C212/9 and C268/12

Central Ethical Committee

### **Research area**

[Biochemistry and molecular biology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Zoology](#) (Standard för svensk indelning av forskningsämnen 2011)

### **Keywords**

[Zoology](#), [Hibernation](#), [fatty acids](#)

### **Accessibility level**

Access to data through SND

Data are freely accessible

### **Use of data**

[Things to consider when using data shared through SND](#)

### **Versions**

Version 1. 2023-05-23

### **Contact for questions about the data**

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## **Download metadata**

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

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[Citation \(CLS\)](#)

[File overview \(CSV\)](#)

**Published:** 2023-05-23

**Last updated:** 2023-05-24