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Corrigendum: Winter condition, physiology, and growth potential of juvenile Antarctic krill

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A Corrigendum on

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In the published article, there was an error in the description of total lipid analysis methodology used.

A correction has been made to **Methods**, *2.6 Utilization of stored lipids*, Paragraph 1. This sentence previously stated:

"Samples were homogenized in chloroform and methanol solution prior to extraction of total lipids using the procedure modified by Folch et al. (1956). Total lipid content was then determined gravimetrically and expressed as a mass and also as a percentage of total dry weight (Hagen, 2000)."

The corrected sentence appears below:

"Samples were homogenized and vortexed in chloroform and methanol and total lipids were extracted in a solution of chloroform:methanol:water (8:4:3) using a modified Folch procedure (Folch et al., 1956) developed by Parrish (1987). Lipid classes were determined using thin layer chromatography with flame ionization detection (TLC/FID) with a MARK VI Iatroscan (Iatron Laboratories, Tokyo, Japan) (Lu et al., 2008; Copeman et al., 2017). Total lipids were estimated by using the summation of the individual calibrated lipid classes (Parrish, 1987)."

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References

Copeman, L. A., Laurel, B. J., Spencer, M., and Sremba, A. (2017). Temperature impacts on lipid allocation among juvenile gadid species at the pacific Arctic-Boreal interface: an experimental laboratory approach. *Mar. Ecol. Prog. Ser.* 566, 183–198. doi: 10.3354/meps12040

Lu, Y., Ludsin, S. A., Fanslow, D. L., and Pothoven, S. A. (2008). Comparison of three microquantity techniques for measuring total lipids in fish. *Can. J. Fish. Aquat. Sci.* 65, 2233–2241. doi: 10.1139/F08-135

Parrish, C. C. (1987). Separation of Aquatic Lipid Classes by Chromarod Thin-Layer Chromatography with Measurement by latroscan Flame Ionization Detection. *Can. J. Fish. Aquat. Sci.* 44, 722–731.