

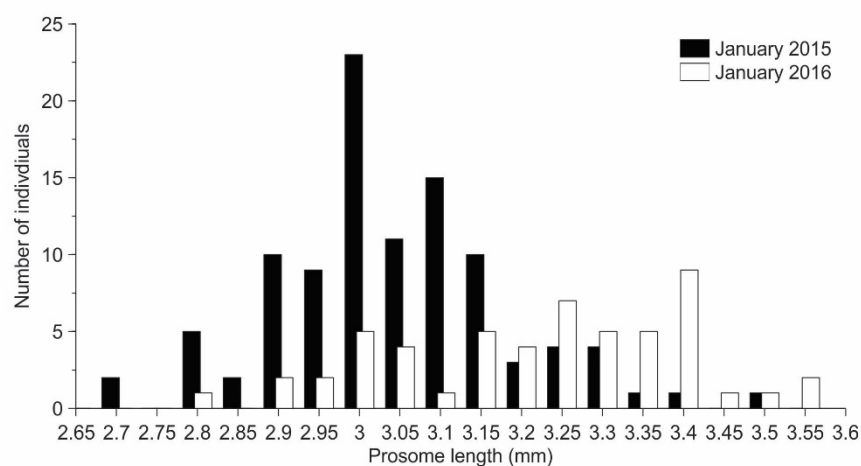
The following supplement accompanies the article

## New insights into the biology of *Calanus* spp. (Copepoda) males in the Arctic

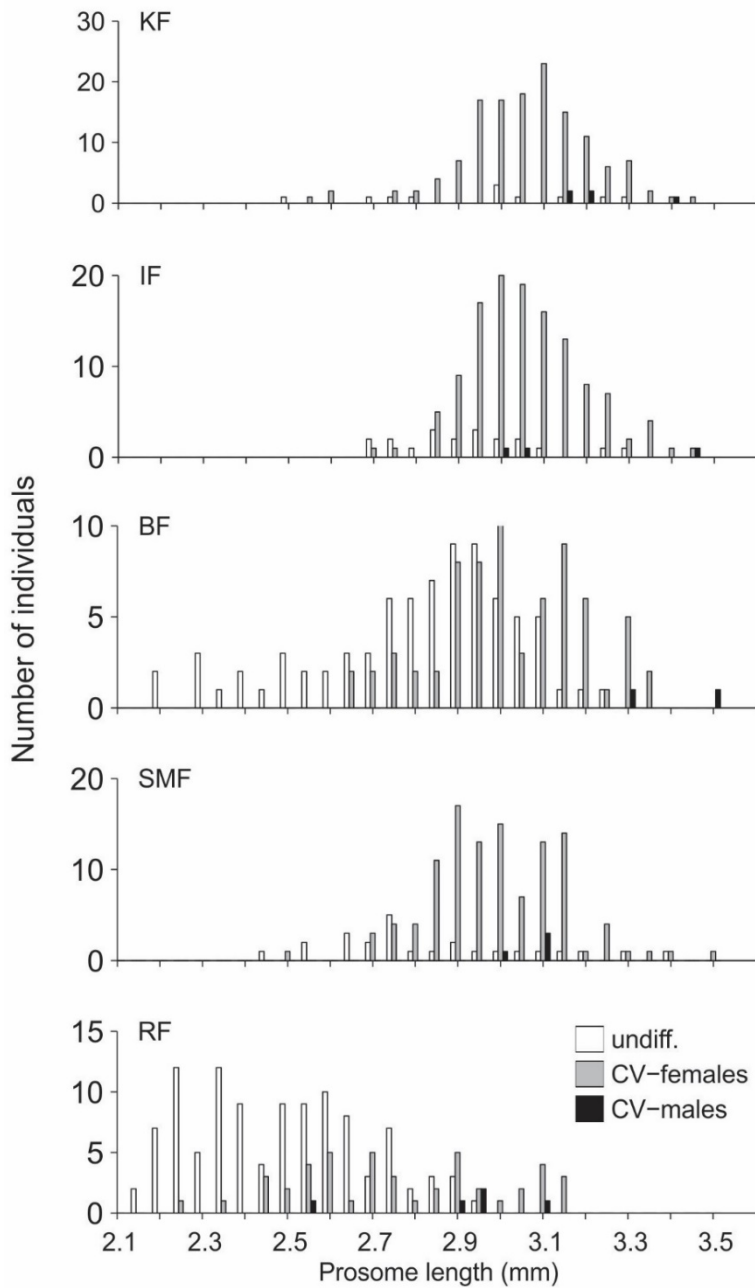
Malin Daase\*, Ksenia Kosobokova, Kim S. Last, Jonathan H. Cohen, Marvin Choquet, Maja Hatlebakk, Janne E. Søreide

\*Corresponding author: malin.daase@uit.no

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**Fig. S1.** Prosome length frequency distribution of *Calanus* females bearing spermatophores January 2015 (only KF) and 2016 (all fjords)



**Fig. S2.** Prosome length frequency distribution of *Calanus* copepodite stage CV (*C. finmarchicus* and *C. glacialis* pooled) with sexually undifferentiated, female or male gonads from Kongsfjorden (KF), Isfjorden (IF), Billefjorden (BF), Smeerenburgfjorden (SMF) and Rijpfjorden (RF) in January 2016.

**Table S1.** Position of stations, sampling dates and sampling depths. Stations, dates and depth from which organisms were collected for the different analyses are indicated.

| Station                     | Latitude (N) | Longitude (E) | Bottom depth (m) | Date       | Multinet sampling intervals (m) | Abundance | Genetics         | AF & CV gonad status | Lipids                                | Activity & Respiration |
|-----------------------------|--------------|---------------|------------------|------------|---------------------------------|-----------|------------------|----------------------|---------------------------------------|------------------------|
| <b>Kongsfjorden (KF1)</b>   | 79° 00.86    | 11° 37.14     | 259              | 11.01.2015 | 230-200-100-50-20-0             | x         |                  |                      |                                       |                        |
| <b>Kongsfjorden (KF3)</b>   | 78° 57.28    | 11° 57.65     | 341              | 11.01.2015 | 320-200-100-50-20-0             | x         | x                |                      | 320-200, 200-100, 20-0                |                        |
|                             |              |               |                  | 21.01.2015 |                                 |           |                  |                      | 30-0, 300-0 (MIK net)                 |                        |
|                             |              |               |                  | 20.01.2016 | 320-200-100-50-20-0             | x         |                  | x                    | 320-200, 200-100, 100-50, 50-20, 20-0 |                        |
|                             |              |               |                  | 09.01.2017 | 320-200-100-50-20-0             | x         |                  |                      |                                       |                        |
| <b>Kongsfjorden (KF5)</b>   | 78° 53.80    | 12° 26.58     | 81               | 11.01.2015 | 60-50-20-0                      | x         |                  |                      |                                       |                        |
|                             |              |               |                  | 21.01.2016 | 60-50-20-0                      | x         |                  |                      |                                       |                        |
| <b>Isfjorden (IF)</b>       | 78° 19.31    | 15° 09.86     | 277              | 11.01.2016 | 258-200-100-50-20-0             | x         |                  | x                    | 258-200, 20-0                         |                        |
|                             |              |               |                  | 08.01.2017 | 260-200-100-50-20-0             | x         |                  |                      |                                       |                        |
| <b>Billfjorden (BF)</b>     | 78° 39.66    | 16° 43.77     | 192              | 11.01.2016 | 180-150-100-50-20-0             | x         | x                | x                    | 180-150, 20-0                         |                        |
| <b>Smeerenburgfj. (SMF)</b> | 79° 41.77    | 11° 06.70     | 215              | 12.01.2016 | 200-150-100-50-20-0             | x         |                  | x                    | 200-150, 20-0                         |                        |
|                             |              |               |                  | 16.01.2017 | 190-150-100-50-20-0             | x         |                  |                      |                                       |                        |
| <b>Rijpfjorden (RF)</b>     | 80° 18.49    | 22° 15.76     | 283              | 14.01.2016 | 265-200-100-50-20-0             | x         | x                | x                    | 265-200, 20-0                         |                        |
|                             |              |               |                  | 14.01.2017 | 250-200-100-50-20-0             | x         |                  |                      |                                       | 100-0 m, WP2 net       |
| <b>Krossfjorden</b>         | 79° 11.32    | 11° 45.16     | 370              | 10.01.2017 |                                 |           |                  |                      |                                       | 100-0 m, WP2 net       |
| <b>North-West Svalbard</b>  | 79° 54.98    | 10° 25.4      | 422              | 10.05.2017 |                                 |           | 100-0 m, WP3 net |                      |                                       |                        |