Table 1 S. Gut pigment content (ng Chl ind-1) of the dominant zooplankton species. Mean values ± SD are given. Number of replicates in parenthesis.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Species | Khatanga area | | | Lena area |
| Inner Gulf | Plume | Marine | Plume |
| Senecella siberica | 1.99+0.868(3) |  |  |  |
| Limnocalanus macrurus | 1.00+0.48 (5) | 1.89+0.36 (3) |  | 3.27+0.61 (4) |
| Drepanopus bungei | 0.10+0.015 (3) | 0.36+0.06 (6) |  | 0.06+0.01 (3) |
| Jaschnovia tolli |  | 3.71+0.42 (5) |  |  |
| Oithona similis |  | 0.04+0.011(11) | 0.06+0.026(14) | 0.03+0.01 (11) |
| Pseudocalanus spp.  CII-CIV |  | 0.16+0.06(18) | 0.07+0.060(9) | 0.16+0.11 (12) |
| Pseudocalanus spp.  CV-fem |  | 0.36+0.01 (7) | 1.10+0.81 (3) | 0.21+0.25(15) |
| Calanus glacialis CI |  |  | 0.16+0.049(3) |  |
| C. glacialis CII |  |  | 1.00+0.58 (7) | 0.06 (1) |
| C. glacialis CIII |  |  | 1.32+0.84 (9) | 0.69+0.77 (3) |
| C. glacialis CIV |  |  | 1.67+1.42(14) | 3.17+1.67 (9) |
| C. glacialis CV |  | 2.23+1.09 (7) | 2.04+0.89(15) | 2.55+3.49 (13) |
| C. glacialis fem |  | 3.17+1.55 (6) |  |  |
| C. hyperboreus CIV |  |  | 2.95+0.33(2) |  |
| C. hyperboreus CV |  |  | 11.09+1.49(2) |  |
| C. hyperboreus fem |  |  | 32.55+6.94(2) | 1.12+0.73 (5) |
| Metridia longa CV |  |  | 3.88+0.57(4) | 2.36+1.19 (6) |
| M. longa fem |  |  | 6.27+0.93 (3) |  |
| Limacina  helicina 0.4-0.5 mm |  |  |  | 1.20 (1) |
| L. helicina 4-5 mm |  |  | 1231.28+297.74(9) |  |
| L. helicina 5-6 mm |  |  |  | 3064. 38+863.38 (4) |
| Oikopleura vanhoeffeni 0.5-1 mm |  |  |  | 0.36+0.13 (3) |
| O. vanhoeffeni 1-2 mm |  |  |  | 4.94+1.90 (8) |