|  |
| --- |
| **SI Table 3. POC flux of tintinnid ciliates in PELAGRA traps, that is loricae C flux (because no full tintinnids were found, only empty and damaged loricae). The percentage of damaged loricae is given in parentheses for each species in each trap.** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Acanthostomella* | *Stenosomella* | *Cymatocylis* | *Cymatocylis* | *Codonellopsis* | *Codonellopsis* | *other* | ***total*** |
|  |  *norvegica* | *avellana* | *antarctica* | *vanhoffeni* | *pusilla* |  | *gausii* |  | *tin. ciliates* | ***tin. ciliates*** |
| ***PELAGRA trap*** | *mg C m-2 d-1* | *mg C m-2 d-1* | *mg C m-2 d-1* | *mg C m-2 d-1* | *mg C m-2 d-1* | *mg C m-2 d-1* | *mg C m-2 d-1* | ***mg C m-2 d-1*** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***200m*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *# 1(IN), d0-d2* | 0.018 | (100) | 0.003 | (100) | 0 | - | 0.003 | (50) | 0 | - | 0.003 | (100) | 0.011 | **0.038** |
| *# 4 (prob. IN), d13-d15* | 0.042 | (87) | 0.061 | (97) | 0 |  | 0.006 | (33) | 0 | - | 0.00003 | (0) | 0.019 | **0.128** |
| *# 9 (OUT), d26-d27* | 0.587 | (100) | 0.080 | (100) | 0.053 | (100) | 0.004 | (100) | 0 |  | 0 | - | 0.371 | **1.095** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***450m (IN)*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *# 3 (prob. IN), d10-d15* | 0.009 | (92) | 0.003 | (67) | 0.001 | (100) | 0 | - | 0 | - | 0 | - | 0.009 | **0.022** |
| *# 6, d21-d26* | 0.041 | (93) | 0.039 | (100) | 0.006 | (100) | 0 | - | 0 | - | 0 | - | 0.079 | **0.164** |
| *# 7 , d23-d28* | 0.070 | (97) | 0.002 | (0) | 0.013 | (100) | 0.001 | (0) | 0 | - | 0 | - | 0 | **0.087** |
| *# 10, d28-d33* | 0.165 | (100) | 0.043 | (100) | 0.010 | (100) | 0.003 | (33) | 0 | - | 0 | - | 0.061 | **0.283** |
| *# 11, d33-d37* | 0.190 | (94) | 0.207 | (100) | 0 | - | 0.012 | (67) | 0 | - | 0 | - | 0.073 | **0.482** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***450 m (OUT)*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *# 5, d17-d21* | 0.018 | (100) | 0.013 | (43) | 0 | - | 0.002 | (33) | 0.002 | (0) | 0 | - | 0.047 | **0.081** |
| *# 8, d24-d29* | 0.167 | (95) | 0.143 | (100) | 0.009 | (100) | 0.06 | (33) | 0 | - | 0 | - | 0.013 | **0.392** |