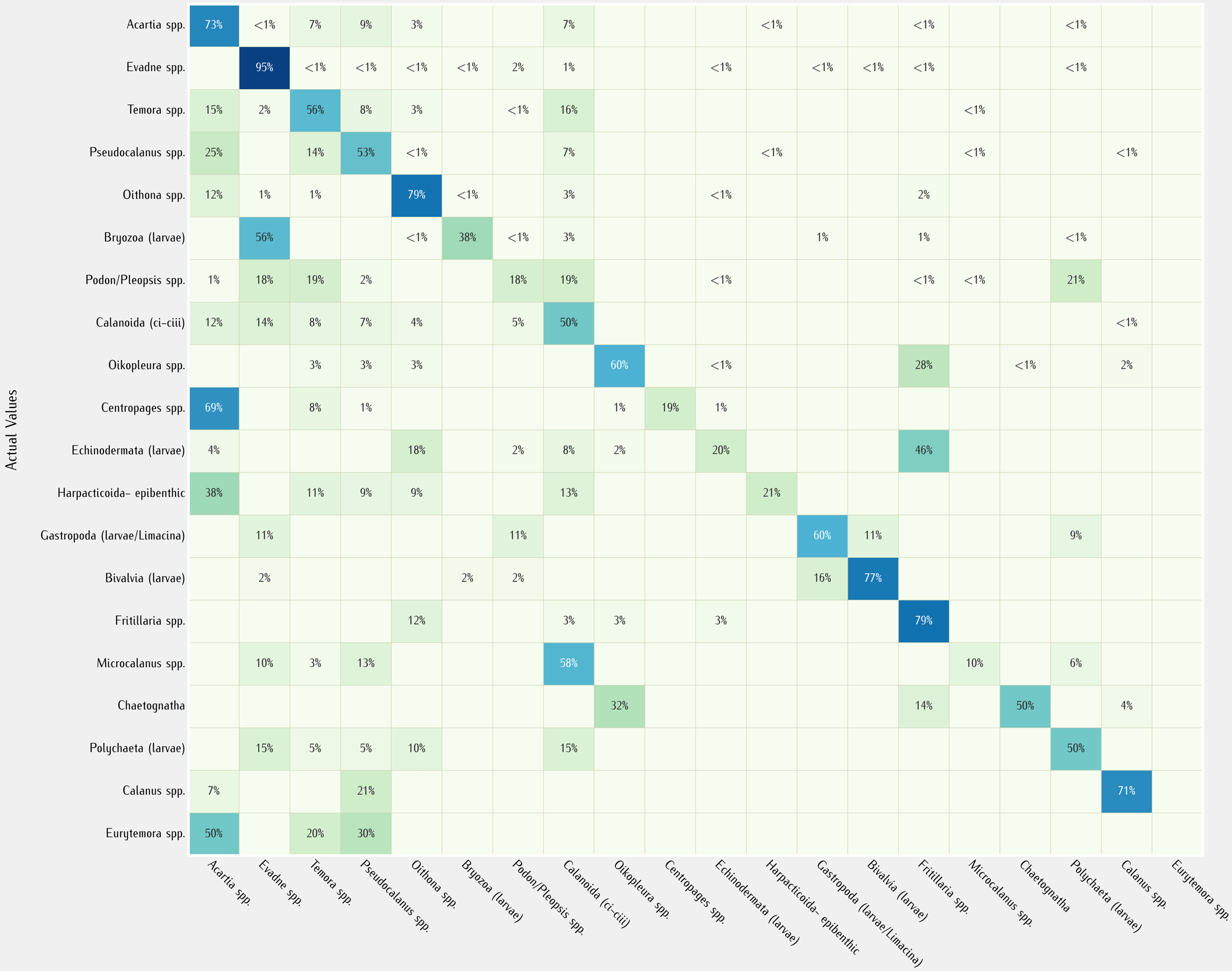
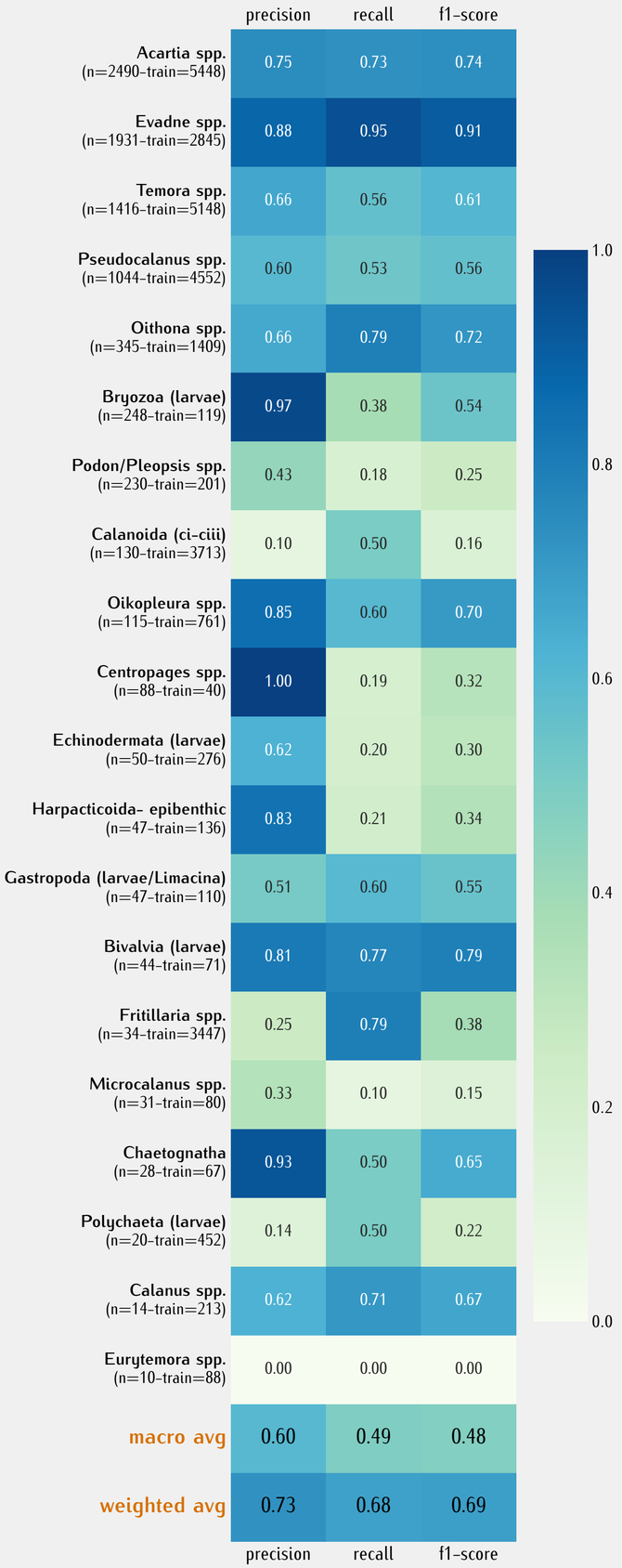
Use of SCN features: Yes
Max learning objects: 20000 objects/class
Strategy N° 3

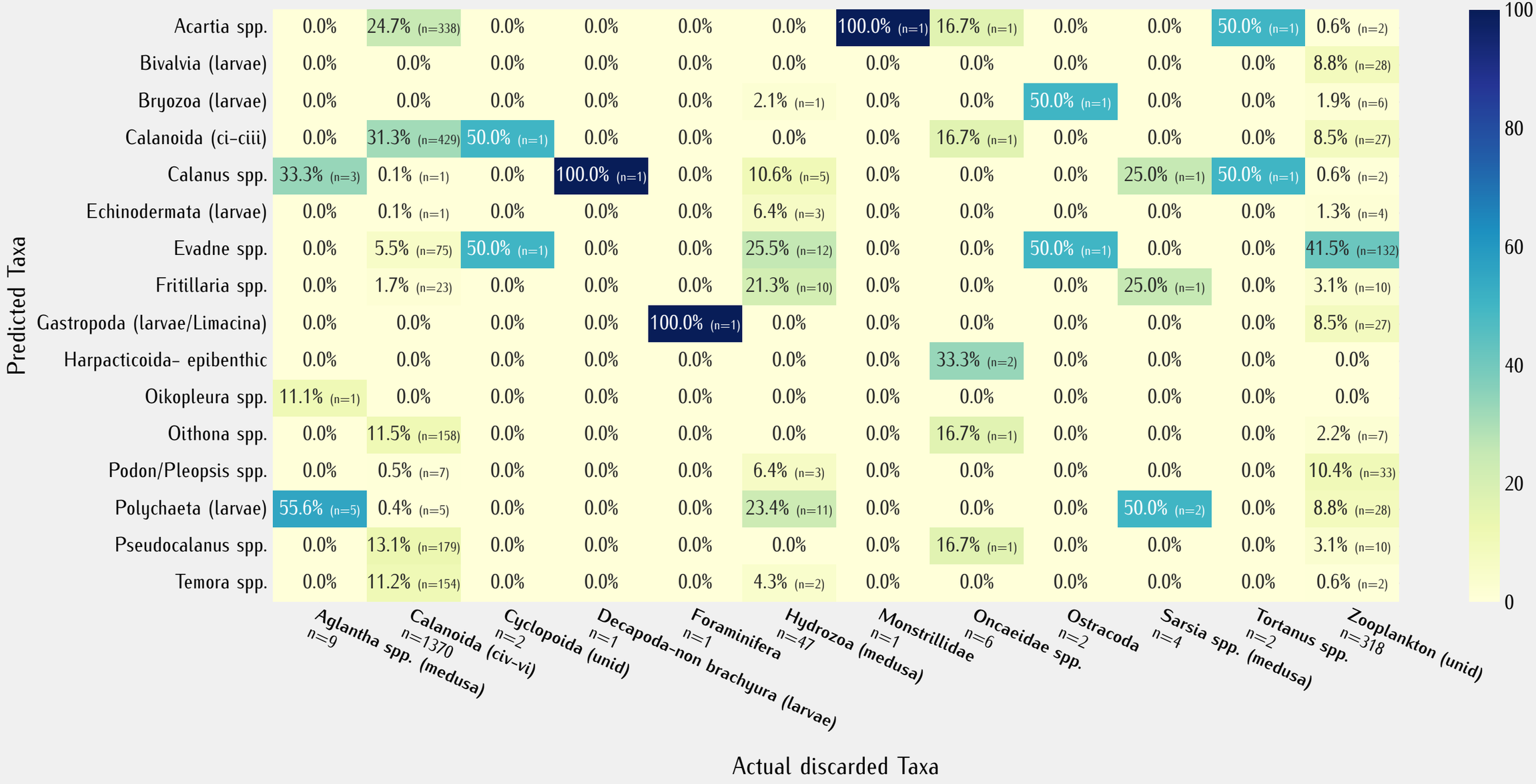
NL 2021 Selected Samples prediction using NL 2021 training set, Learning with selected samples classes with no low regional training instances, no extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value



Classification Report Matrix
max 20000 learning objects per class




Predictions of discarded taxa from training
Predicted Taxa
Acartia spp. 0.0% 24.7% (n=338) 0.0% 0.0% 0.0% 0.0% 100.0% (n=1) 16.7% (n=1) 0.0% 0.0% 50.0% (n=1) 0.6% (n=2)
Bivalvia (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 8.8% (n=28)
Bryozoa (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 2.1% (n=1) 0.0% 0.0% 50.0% (n=1) 0.0% 0.0% 1.9% (n=6)
Calanoida (ci-ciii) 0.0% 31.3% (n=429) 50.0% (n=1) 0.0% 0.0% 0.0% 0.0% 16.7% (n=1) 0.0% 0.0% 0.0% 8.5% (n=27)
Calanus spp. 33.3% (n=3) 0.1% (n=1) 0.0% 100.0% (n=1) 0.0% 10.6% (n=5) 0.0% 0.0% 0.0% 25.0% (n=1) 50.0% (n=1) 0.6% (n=2)
Echinodermata (larvae) 0.0% 0.1% (n=1) 0.0% 0.0% 0.0% 6.4% (n=3) 0.0% 0.0% 0.0% 0.0% 0.0% 1.3% (n=4)
Evadne spp. 0.0% 5.5% (n=75) 50.0% (n=1) 0.0% 0.0% 25.5% (n=12) 0.0% 0.0% 50.0% (n=1) 0.0% 0.0% 41.5% (n=132)
Fritillaria spp. 0.0% 1.7% (n=23) 0.0% 0.0% 0.0% 21.3% (n=10) 0.0% 0.0% 0.0% 25.0% (n=1) 0.0% 3.1% (n=10)
Gastropoda (larvae/Limacina) 0.0% 0.0% 0.0% 0.0% 100.0% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 8.5% (n=27)
Harpacticoida- epibenthic 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 33.3% (n=2) 0.0% 0.0% 0.0% 0.0%
Oikopleura spp. 11.1% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Oithona spp. 0.0% 11.5% (n=158) 0.0% 0.0% 0.0% 0.0% 0.0% 16.7% (n=1) 0.0% 0.0% 0.0% 2.2% (n=7)
Podon/Pleopsis spp. 0.0% 0.5% (n=7) 0.0% 0.0% 0.0% 6.4% (n=3) 0.0% 0.0% 0.0% 0.0% 0.0% 10.4% (n=33)
Polychaeta (larvae) 55.6% (n=5) 0.4% (n=5) 0.0% 0.0% 0.0% 23.4% (n=11) 0.0% 0.0% 0.0% 50.0% (n=2) 0.0% 8.8% (n=28)
Pseudocalanus spp. 0.0% 13.1% (n=179) 0.0% 0.0% 0.0% 0.0% 0.0% 16.7% (n=1) 0.0% 0.0% 0.0% 3.1% (n=10)
Temora spp. 0.0% 11.2% (n=154) 0.0% 0.0% 0.0% 4.3% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.6% (n=2)
Aglantha spp. n=9
Calanoida (civ-vi) n=1370
Cyclopoida (unid) n=2
Decapoda-non brachyura (larvae) n=1
Foraminifera n=1
Hydrozoa (medusa) n=47
Monstrillidae n=1
Oncaeidae spp. n=6
Ostracoda n=2
Sarsia spp. (medusa) n=4
Tortanus spp. n=2
Zooplankton (unid) n=318
Actual discarded Taxa
100
80
60
40
20
0

Relative Abundance of Top Taxonomic Instances per Sample

Most abundant classes (In Val or Pred)
- Acartia spp.
- Bryozoa (larvae)
- Calanoida (ci–ciii)
- Calanoida (civ–vi)
- Evadne spp.
- Oikopleura spp.
- Oithona spp.
- Podon/Pleopsis spp.
- Pseudocalanus spp.
- Temora spp.
- Zooplankton (unid)
- Others

Val Pred

Relative Abundance

1.0
0.8
0.6
0.4
0.2
0.0

S31 S32 S33 S34 S35 S36 S37 S38 S39 S40

Sample Short ID