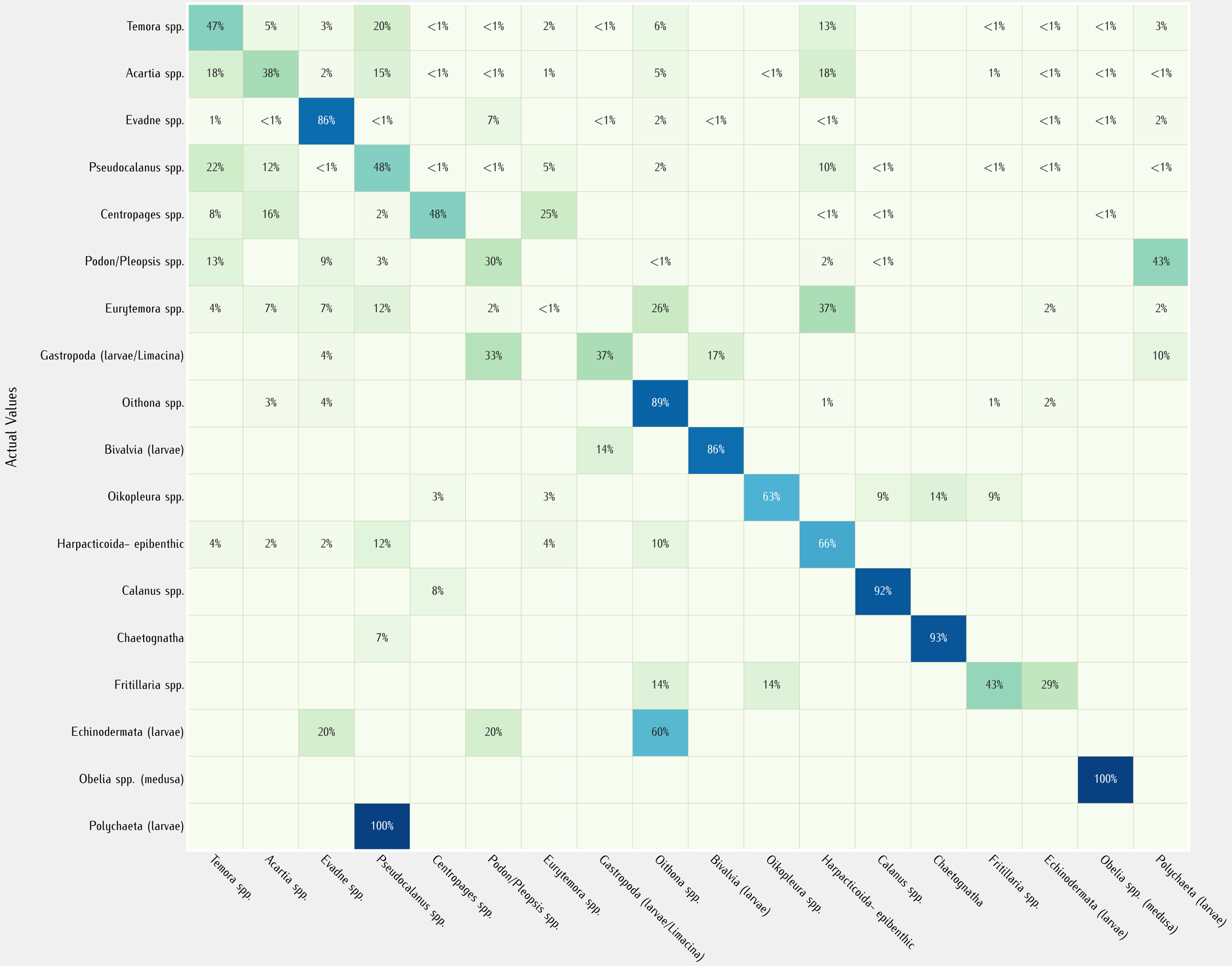
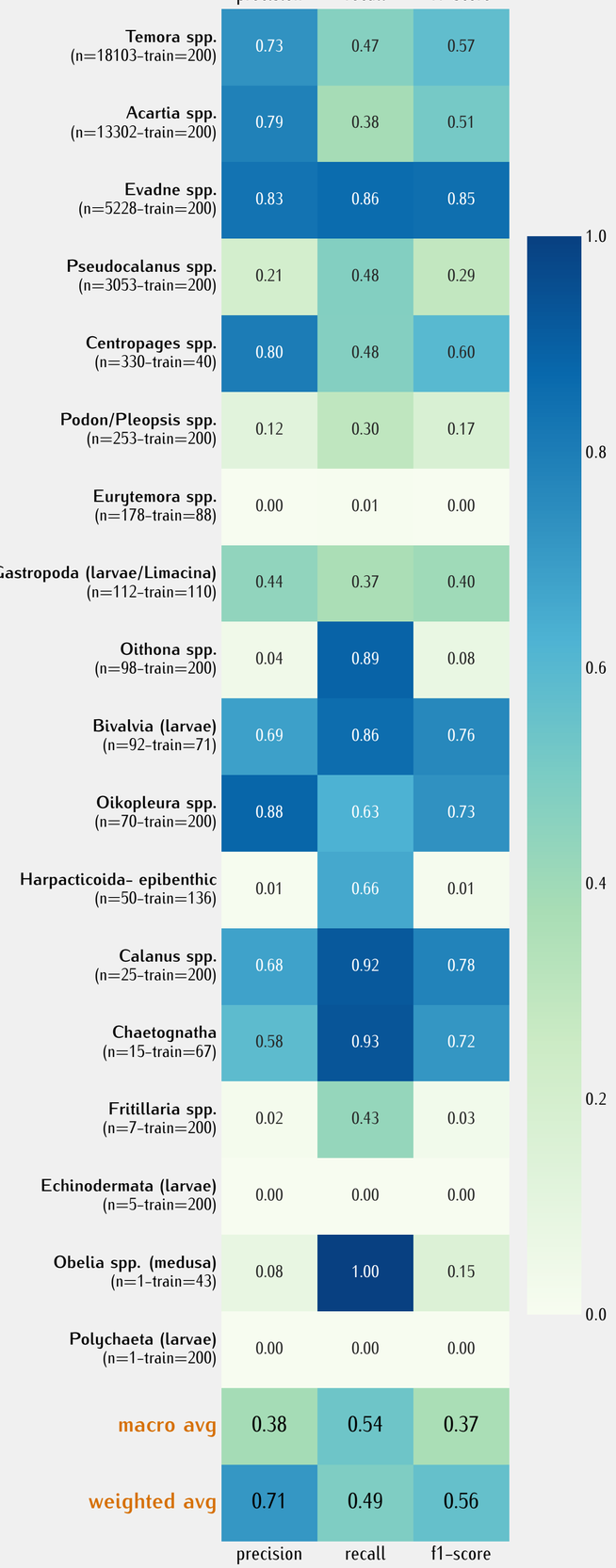
Use of SCN features: Yes
Max learning objects: 200 objects/class
Strategy N° 3

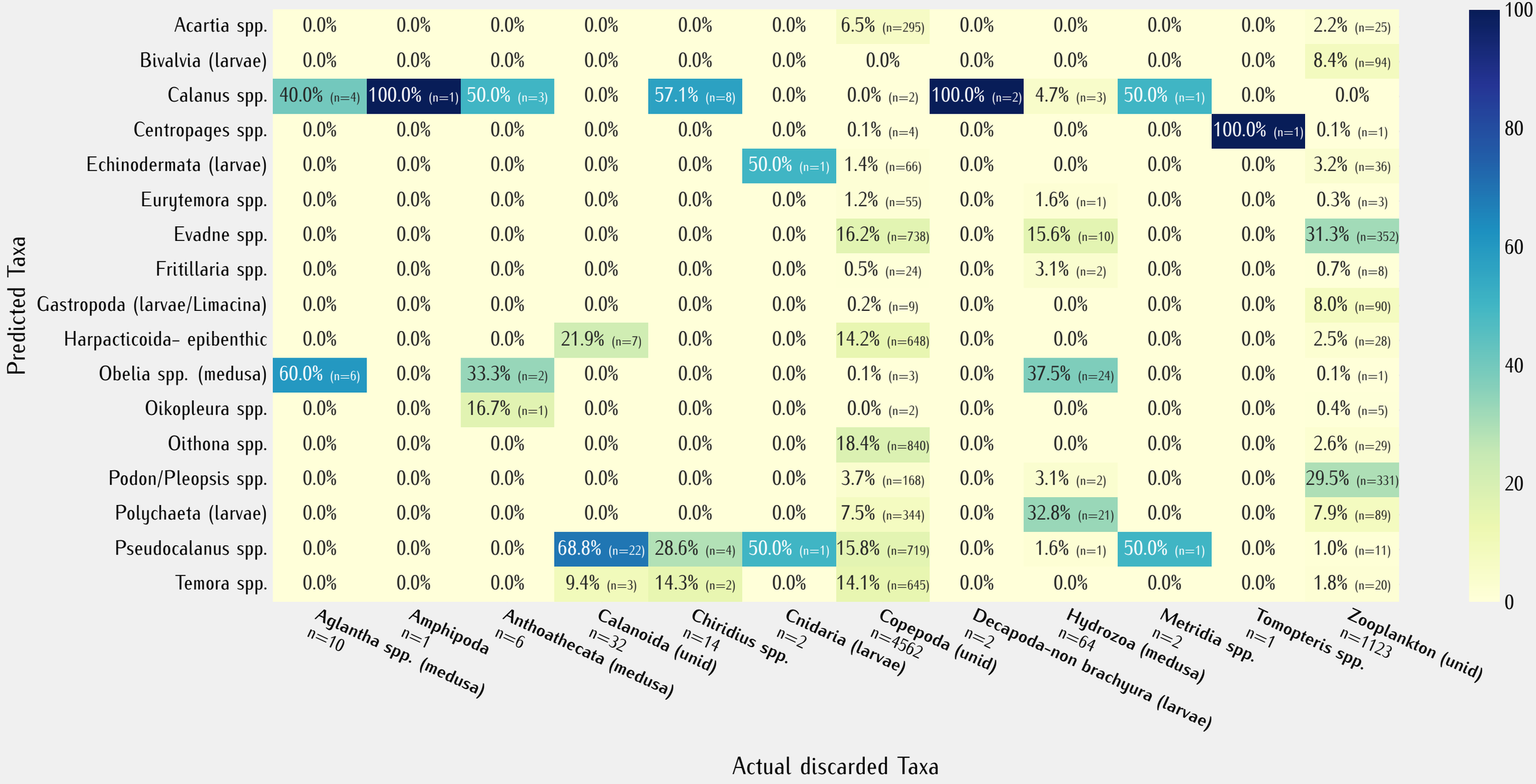
NL 2020 Selected Samples prediction using NL 2020 training set, Learning with selected samples classes with no low regional training instances, no extra training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value



Classification Report Matrix
max 200 learning objects per class




Predictions of discarded taxa from training
Predicted Taxa
Actual discarded Taxa
Acartia spp.
Bivalvia (larvae)
Calanus spp.
Centropages spp.
Echinodermata (larvae)
Eurytemora spp.
Evadne spp.
Fritillaria spp.
Gastropoda (larvae/Limacina)
Harpacticoida- epibenthic
Obelia spp. (medusa)
Oikopleura spp.
Oithona spp.
Podon/Pleopsis spp.
Polychaeta (larvae)
Pseudocalanus spp.
Temora spp.
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 6.5% (n=295) 0.0% 0.0% 0.0% 0.0% 2.2% (n=25)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 8.4% (n=94)
40.0% (n=4) 100.0% (n=1) 50.0% (n=3) 0.0% 57.1% (n=8) 0.0% 0.0% (n=2) 100.0% (n=2) 4.7% (n=3) 50.0% (n=1) 0.0% 0.0%
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% (n=4) 0.0% 0.0% 0.0% 100.0% (n=1) 0.1% (n=1)
0.0% 0.0% 0.0% 0.0% 0.0% 50.0% (n=1) 1.4% (n=66) 0.0% 0.0% 0.0% 0.0% 3.2% (n=36)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 1.2% (n=55) 0.0% 1.6% (n=1) 0.0% 0.0% 0.3% (n=3)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 16.2% (n=738) 0.0% 15.6% (n=10) 0.0% 0.0% 31.3% (n=352)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.5% (n=24) 0.0% 3.1% (n=2) 0.0% 0.0% 0.7% (n=8)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.2% (n=9) 0.0% 0.0% 0.0% 0.0% 8.0% (n=90)
0.0% 0.0% 0.0% 21.9% (n=7) 0.0% 0.0% 14.2% (n=648) 0.0% 0.0% 0.0% 0.0% 2.5% (n=28)
60.0% (n=6) 0.0% 33.3% (n=2) 0.0% 0.0% 0.0% 0.1% (n=3) 0.0% 37.5% (n=24) 0.0% 0.0% 0.1% (n=1)
0.0% 0.0% 16.7% (n=1) 0.0% 0.0% 0.0% 0.0% (n=2) 0.0% 0.0% 0.0% 0.0% 0.4% (n=5)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 18.4% (n=840) 0.0% 0.0% 0.0% 0.0% 2.6% (n=29)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 3.7% (n=168) 0.0% 3.1% (n=2) 0.0% 0.0% 29.5% (n=331)
0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 7.5% (n=344) 0.0% 32.8% (n=21) 0.0% 0.0% 7.9% (n=89)
0.0% 0.0% 0.0% 68.8% (n=22) 28.6% (n=4) 50.0% (n=1) 15.8% (n=719) 0.0% 1.6% (n=1) 50.0% (n=1) 0.0% 1.0% (n=11)
0.0% 0.0% 0.0% 9.4% (n=3) 14.3% (n=2) 0.0% 14.1% (n=645) 0.0% 0.0% 0.0% 0.0% 1.8% (n=20)
Aglantha spp. n=10
Amphipoda (medusa) n=1
Anthoathecata n=6
Calanoida (unid) n=32
Chiridius spp. n=14
Cnidaria (larvae) n=2
Copepoda (unid) n=4562
Decapoda-non brachyura (larvae) n=2
Hydrozoa (medusa) n=64
Metridia spp. n=2
Tomopteris spp. n=1
Zooplankton (unid) n=1123
100
80
60
40
20
0

Relative Abundance of Top Taxonomic Instances per Sample

Val Pred Val Pred Val Pred Val Pred Val Pred Val Pred Val Pred Val Pred Val Pred Val Pred

1.0
0.8
0.6
0.4
0.2
0.0

Relative Abundance

S21 S22 S23 S24 S25 S26 S27 S28 S29 S30

Sample Short ID

Most abundant classes (In Val or Pred)
- Acartia spp.
- Centropages spp.
- Copepoda (unid)
- Eurytemora spp.
- Evadne spp.
- Gastropoda (larvae/Limacina)
- Oithona spp.
- Podon/Pleopsis spp.
- Pseudocalanus spp.
- Temora spp.
- Zooplankton (unid)
- Others