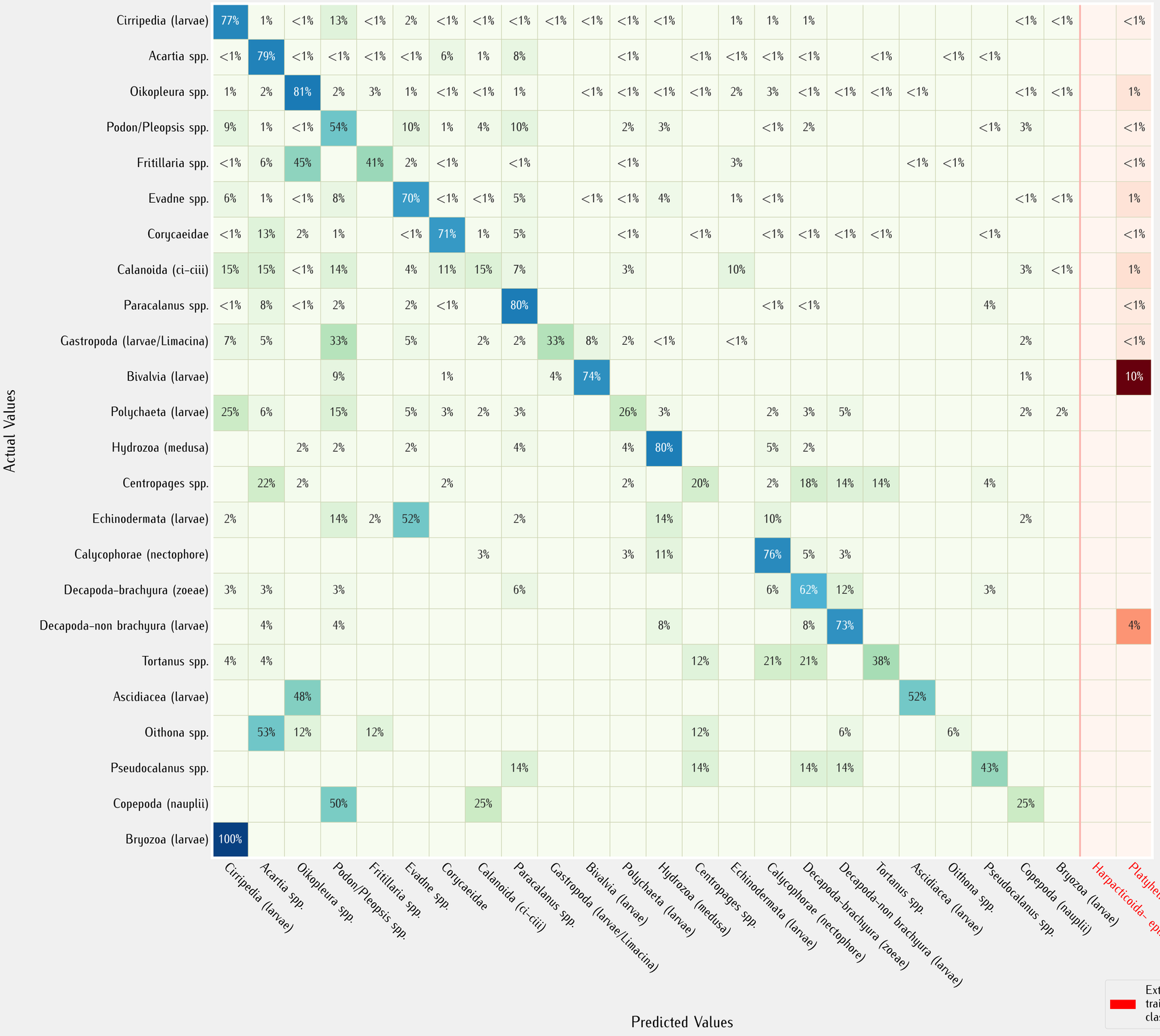
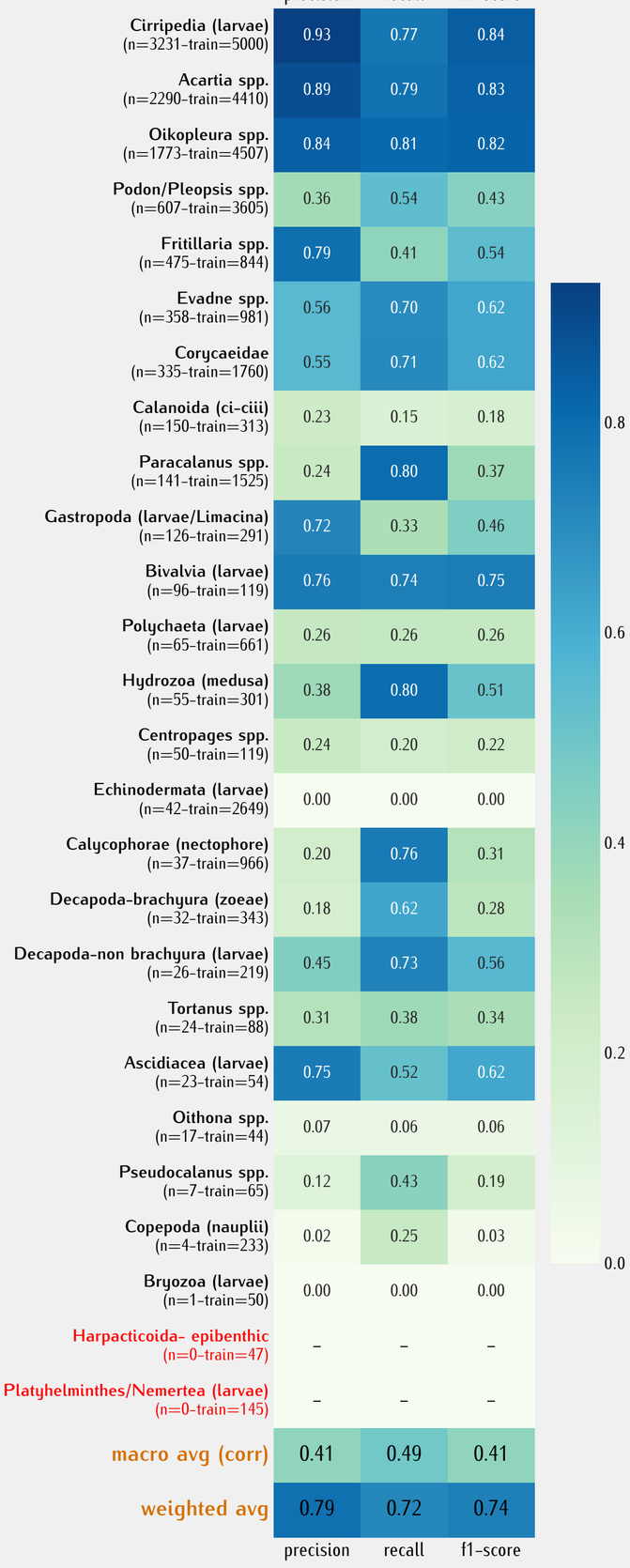
Use of SCN features: No
Max learning objects: 5000 objects/class
Strategy N° 4

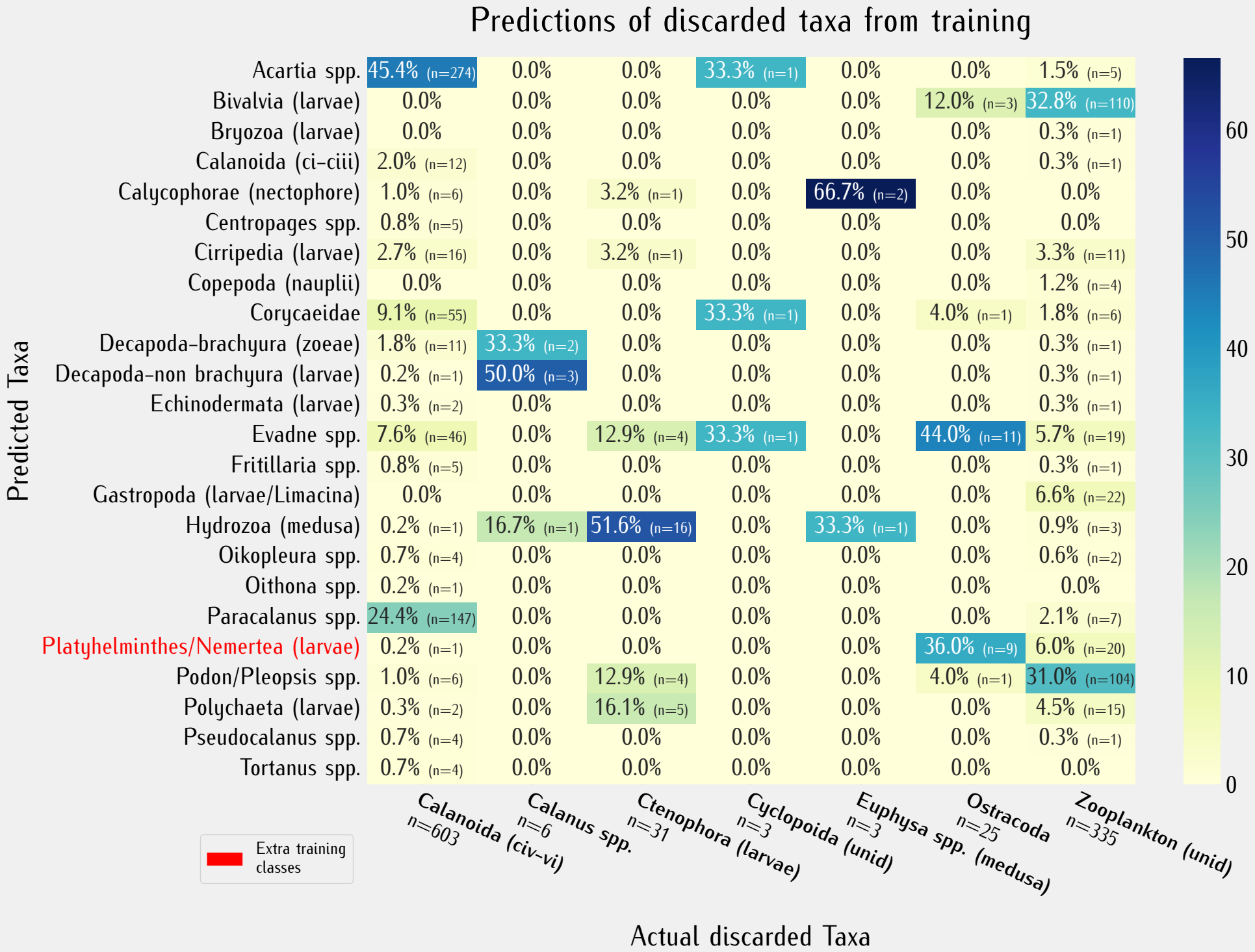
PA Selected Samples prediction using PA training set,
Learning with selected samples classes with no low regional training instances, with extra training categories,
No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value



Classification Report Matrix
max 5000 learning objects per class




Predictions of discarded taxa from training
Predicted Taxa
Acartia spp. 45.4% (n=274) 0.0% 0.0% 33.3% (n=1) 0.0% 0.0% 1.5% (n=5)
Bivalvia (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 12.0% (n=3) 32.8% (n=110)
Bryozoa (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Calanoida (ci-ciii) 2.0% (n=12) 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Calycophorae (nectophore) 1.0% (n=6) 0.0% 3.2% (n=1) 0.0% 66.7% (n=2) 0.0% 0.0%
Centropages spp. 0.8% (n=5) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Cirripedia (larvae) 2.7% (n=16) 0.0% 3.2% (n=1) 0.0% 0.0% 0.0% 3.3% (n=11)
Copepoda (nauplii) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 1.2% (n=4)
Corycaeidae 9.1% (n=55) 0.0% 0.0% 33.3% (n=1) 0.0% 4.0% (n=1) 1.8% (n=6)
Decapoda-brachyura (zoeae) 1.8% (n=11) 33.3% (n=2) 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Decapoda-non brachyura (larvae) 0.2% (n=1) 50.0% (n=3) 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Echinodermata (larvae) 0.3% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Evadne spp. 7.6% (n=46) 0.0% 12.9% (n=4) 33.3% (n=1) 0.0% 44.0% (n=11) 5.7% (n=19)
Fritillaria spp. 0.8% (n=5) 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Gastropoda (larvae/Limacina) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 6.6% (n=22)
Hydrozoa (medusa) 0.2% (n=1) 16.7% (n=1) 51.6% (n=16) 0.0% 33.3% (n=1) 0.0% 0.9% (n=3)
Oikopleura spp. 0.7% (n=4) 0.0% 0.0% 0.0% 0.0% 0.0% 0.6% (n=2)
Oithona spp. 0.2% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Paracalanus spp. 24.4% (n=147) 0.0% 0.0% 0.0% 0.0% 0.0% 2.1% (n=7)
Platyhelminthes/Nemertea (larvae) 0.2% (n=1) 0.0% 0.0% 0.0% 0.0% 36.0% (n=9) 6.0% (n=20)
Podon/Pleopsis spp. 1.0% (n=6) 0.0% 12.9% (n=4) 0.0% 0.0% 4.0% (n=1) 31.0% (n=104)
Polychaeta (larvae) 0.3% (n=2) 0.0% 16.1% (n=5) 0.0% 0.0% 0.0% 4.5% (n=15)
Pseudocalanus spp. 0.7% (n=4) 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Tortanus spp. 0.7% (n=4) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
0
10
20
30
40
50
60
Calanoida (civ-vi) n=603
Calanus spp. n=6
Ctenophora (larvae) n=31
Cyclopoida (unid) n=3
Euphysa spp. (medusa) n=3
Ostracoda n=25
Zooplankton (unid) n=335
Extra training classes
Actual discarded Taxa

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

S11 S12 S13 S14 S15 S16 S17 S18 S19 S20

Sample Short ID

Most abundant classes (In Val or Pred)
- Acartia spp.
- Calanoida (ci–ciii)
- Calanoida (civ–vi)
- Cirripedia (larvae)
- Corycaeidae
- Evadne spp.
- Fritillaria spp.
- Oikopleura spp.
- Paracalanus spp.
- Podon/Pleopsis spp.
- Zooplankton (unid)
- Others