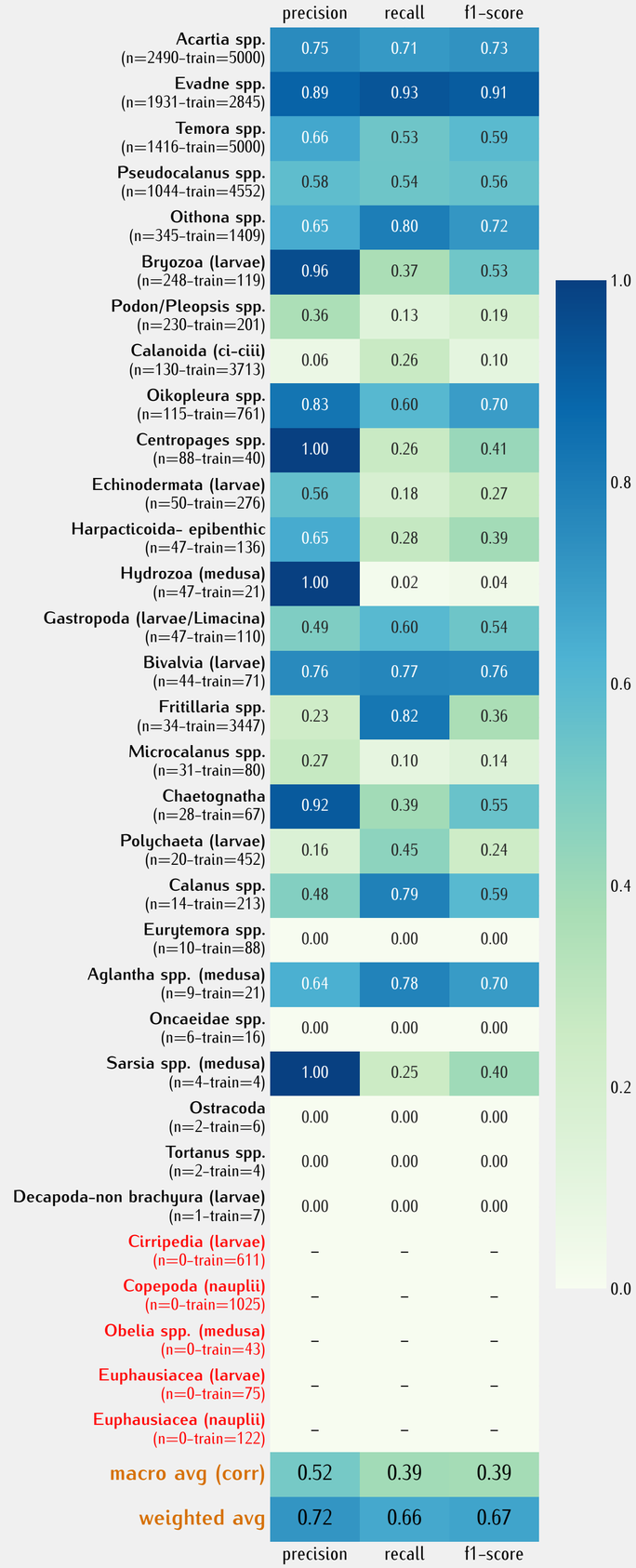
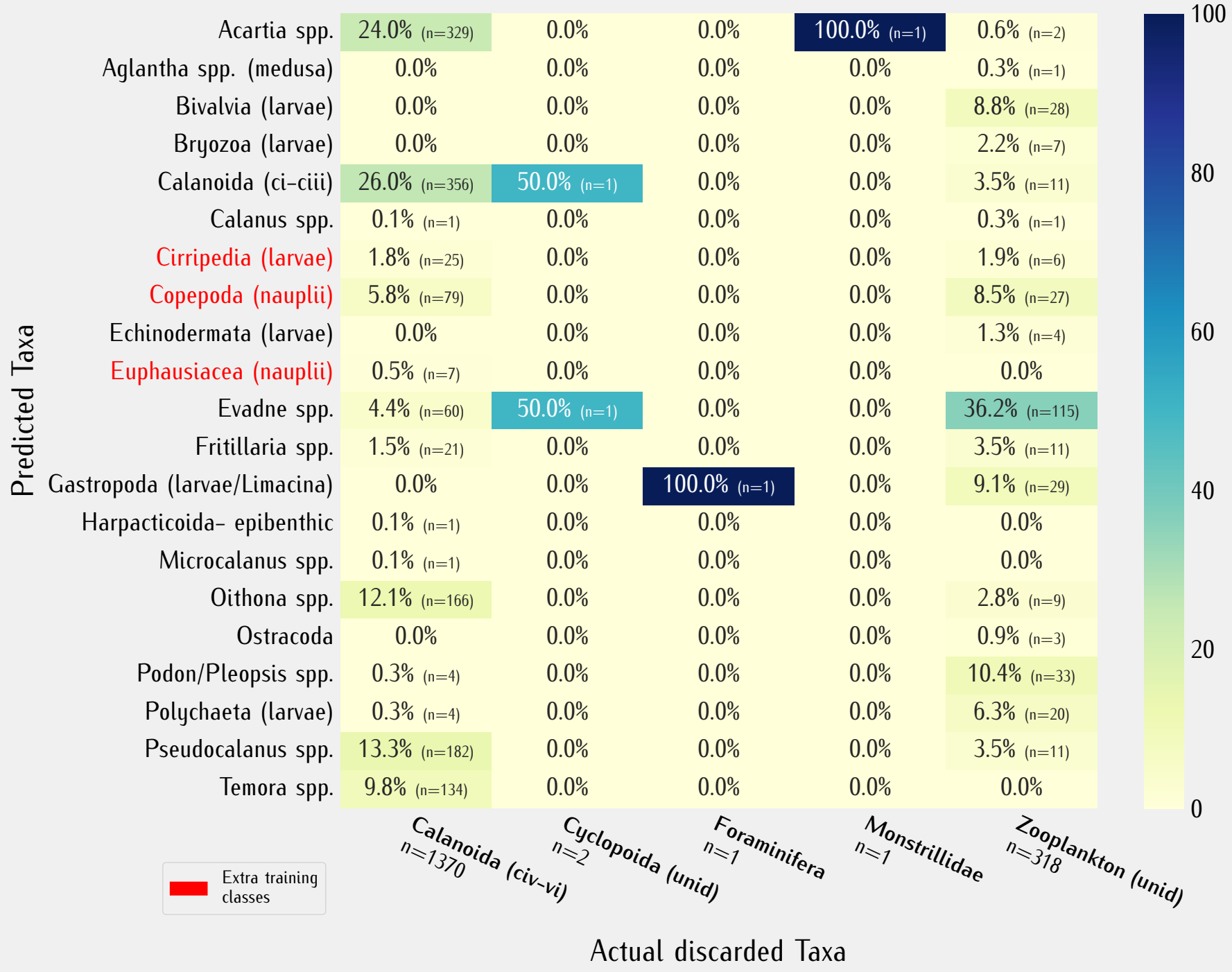
Use of SCN features: Yes
Max learning objects: 5000 objects/class
Strategy N° 2

NL 2021 Selected Samples prediction using NL 2021 training set, Learning with all classes present in the selected samples, 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. 24.0% (n=329) 0.0% 0.0% 100.0% (n=1) 0.6% (n=2)
Aglantha spp. (medusa) 0.0% 0.0% 0.0% 0.0% 0.3% (n=1)
Bivalvia (larvae) 0.0% 0.0% 0.0% 0.0% 8.8% (n=28)
Bryozoa (larvae) 0.0% 0.0% 0.0% 0.0% 2.2% (n=7)
Calanoida (ci-ciii) 26.0% (n=356) 50.0% (n=1) 0.0% 0.0% 3.5% (n=11)
Calanus spp. 0.1% (n=1) 0.0% 0.0% 0.0% 0.3% (n=1)
Cirripedia (larvae) 1.8% (n=25) 0.0% 0.0% 0.0% 1.9% (n=6)
Copepoda (nauplii) 5.8% (n=79) 0.0% 0.0% 0.0% 8.5% (n=27)
Echinodermata (larvae) 0.0% 0.0% 0.0% 0.0% 1.3% (n=4)
Euphausiacea (nauplii) 0.5% (n=7) 0.0% 0.0% 0.0% 0.0%
Evadne spp. 4.4% (n=60) 50.0% (n=1) 0.0% 0.0% 36.2% (n=115)
Fritillaria spp. 1.5% (n=21) 0.0% 0.0% 0.0% 3.5% (n=11)
Gastropoda (larvae/Limacina) 0.0% 0.0% 100.0% (n=1) 0.0% 9.1% (n=29)
Harpacticoida- epibenthic 0.1% (n=1) 0.0% 0.0% 0.0% 0.0%
Microcalanus spp. 0.1% (n=1) 0.0% 0.0% 0.0% 0.0%
Oithona spp. 12.1% (n=166) 0.0% 0.0% 0.0% 2.8% (n=9)
Ostracoda 0.0% 0.0% 0.0% 0.0% 0.9% (n=3)
Podon/Pleopsis spp. 0.3% (n=4) 0.0% 0.0% 0.0% 10.4% (n=33)
Polychaeta (larvae) 0.3% (n=4) 0.0% 0.0% 0.0% 6.3% (n=20)
Pseudocalanus spp. 13.3% (n=182) 0.0% 0.0% 0.0% 3.5% (n=11)
Temora spp. 9.8% (n=134) 0.0% 0.0% 0.0% 0.0%
Calanoida (civ-vi) n=1370
Cyclopoida (unid) n=2
Foraminifera n=1
Monstrillidae n=1
Zooplankton (unid) n=318
Actual discarded Taxa
Extra training classes
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

S31 S32 S33 S34 S35 S36 S37 S38 S39 S40

Sample Short ID

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