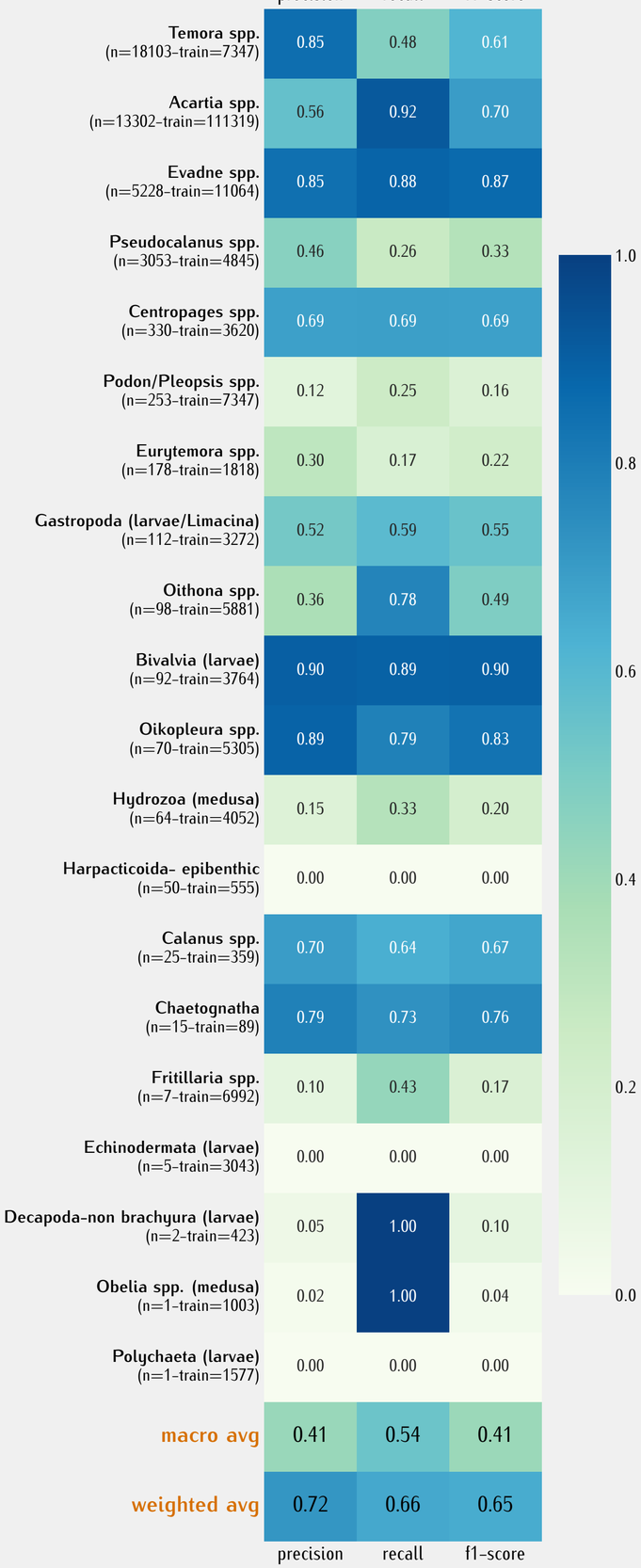
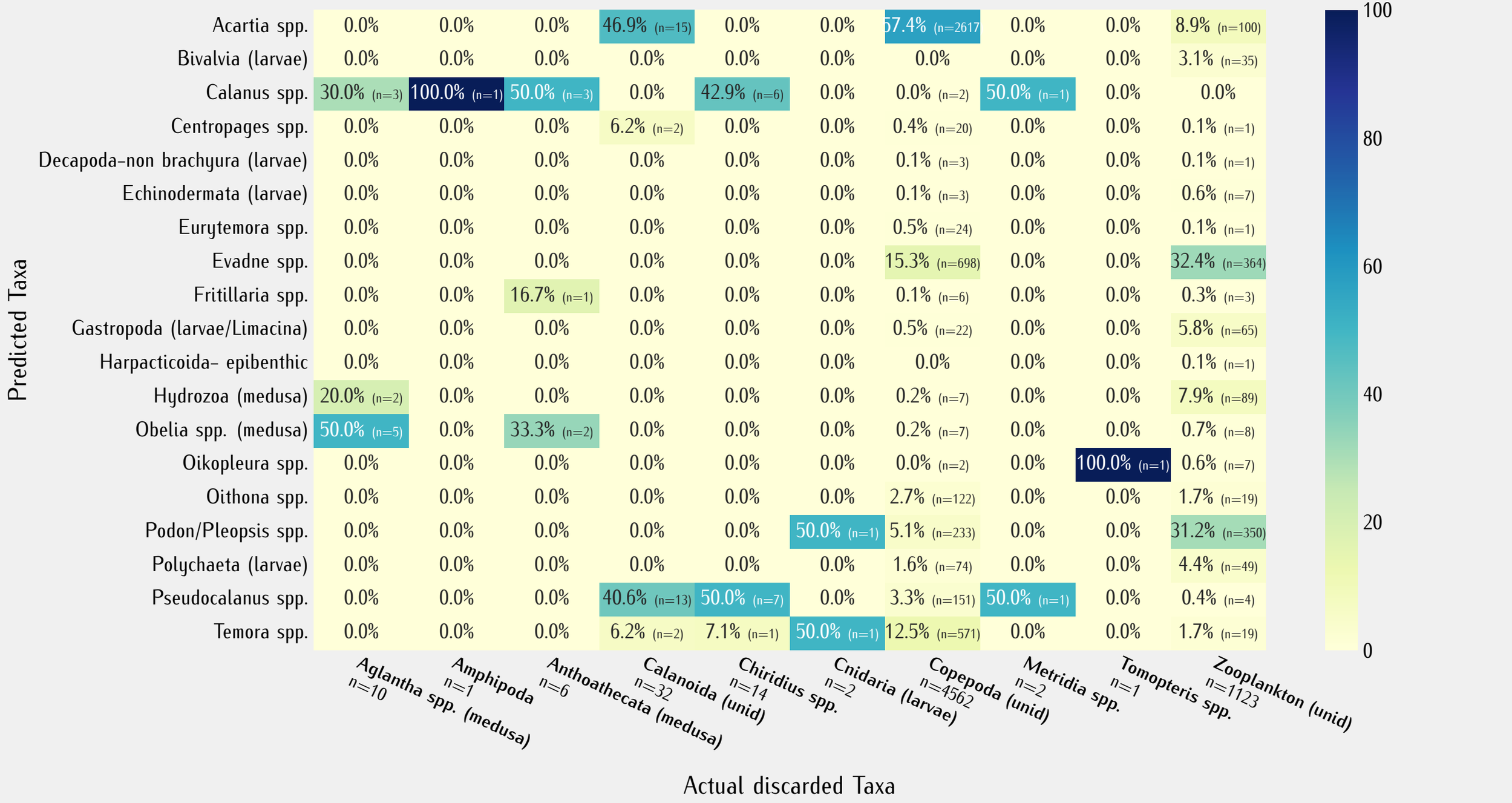
Use of SCN features: Yes
Max learning objects: Maximum objects/class
Strategy N° 7

# NL 2020 Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global 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 available learning objects per class




Predictions of discarded taxa from training
Predicted Taxa
Acartia spp. 0.0% 0.0% 0.0% 46.9% (n=15) 0.0% 0.0% 57.4% (n=2617 0.0% 0.0% 8.9% (n=100)
Bivalvia (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 3.1% (n=35)
Calanus spp. 30.0% (n=3) 100.0% (n=1) 50.0% (n=3) 0.0% 42.9% (n=6) 0.0% 0.0% (n=2) 50.0% (n=1) 0.0% 0.0%
Centropages spp. 0.0% 0.0% 0.0% 6.2% (n=2) 0.0% 0.0% 0.4% (n=20) 0.0% 0.0% 0.1% (n=1)
Decapoda-non brachyura (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% (n=3) 0.0% 0.0% 0.1% (n=1)
Echinodermata (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% (n=3) 0.0% 0.0% 0.6% (n=7)
Eurytemora spp. 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.5% (n=24) 0.0% 0.0% 0.1% (n=1)
Evadne spp. 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 15.3% (n=698) 0.0% 0.0% 32.4% (n=364)
Fritillaria spp. 0.0% 0.0% 16.7% (n=1) 0.0% 0.0% 0.0% 0.1% (n=6) 0.0% 0.0% 0.3% (n=3)
Gastropoda (larvae/Limacina) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.5% (n=22) 0.0% 0.0% 5.8% (n=65)
Harpacticoida- epibenthic 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% (n=1)
Hydrozoa (medusa) 20.0% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.2% (n=7) 0.0% 0.0% 7.9% (n=89)
Obelia spp. (medusa) 50.0% (n=5) 0.0% 33.3% (n=2) 0.0% 0.0% 0.0% 0.2% (n=7) 0.0% 0.0% 0.7% (n=8)
Oikopleura spp. 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% (n=2) 0.0% 100.0% (n=1) 0.6% (n=7)
Oithona spp. 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 2.7% (n=122) 0.0% 0.0% 1.7% (n=19)
Podon/Pleopsis spp. 0.0% 0.0% 0.0% 0.0% 0.0% 50.0% (n=1) 5.1% (n=233) 0.0% 0.0% 31.2% (n=350)
Polychaeta (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 1.6% (n=74) 0.0% 0.0% 4.4% (n=49)
Pseudocalanus spp. 0.0% 0.0% 0.0% 40.6% (n=13) 50.0% (n=7) 0.0% 3.3% (n=151) 50.0% (n=1) 0.0% 0.4% (n=4)
Temora spp. 0.0% 0.0% 0.0% 6.2% (n=2) 7.1% (n=1) 50.0% (n=1) 12.5% (n=571) 0.0% 0.0% 1.7% (n=19)
100
80
60
40
20
0
Aglantha spp. (medusa) n=10
Amphipoda n=1
Anthoathecata (medusa) n=6
Calanoida (unid) n=32
Chiridius spp. n=14
Cnidaria (larvae) n=2
Copepoda (unid) n=4562
Metridia spp. n=2
Tomopteris spp. n=1
Zooplankton (unid) n=1123
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

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