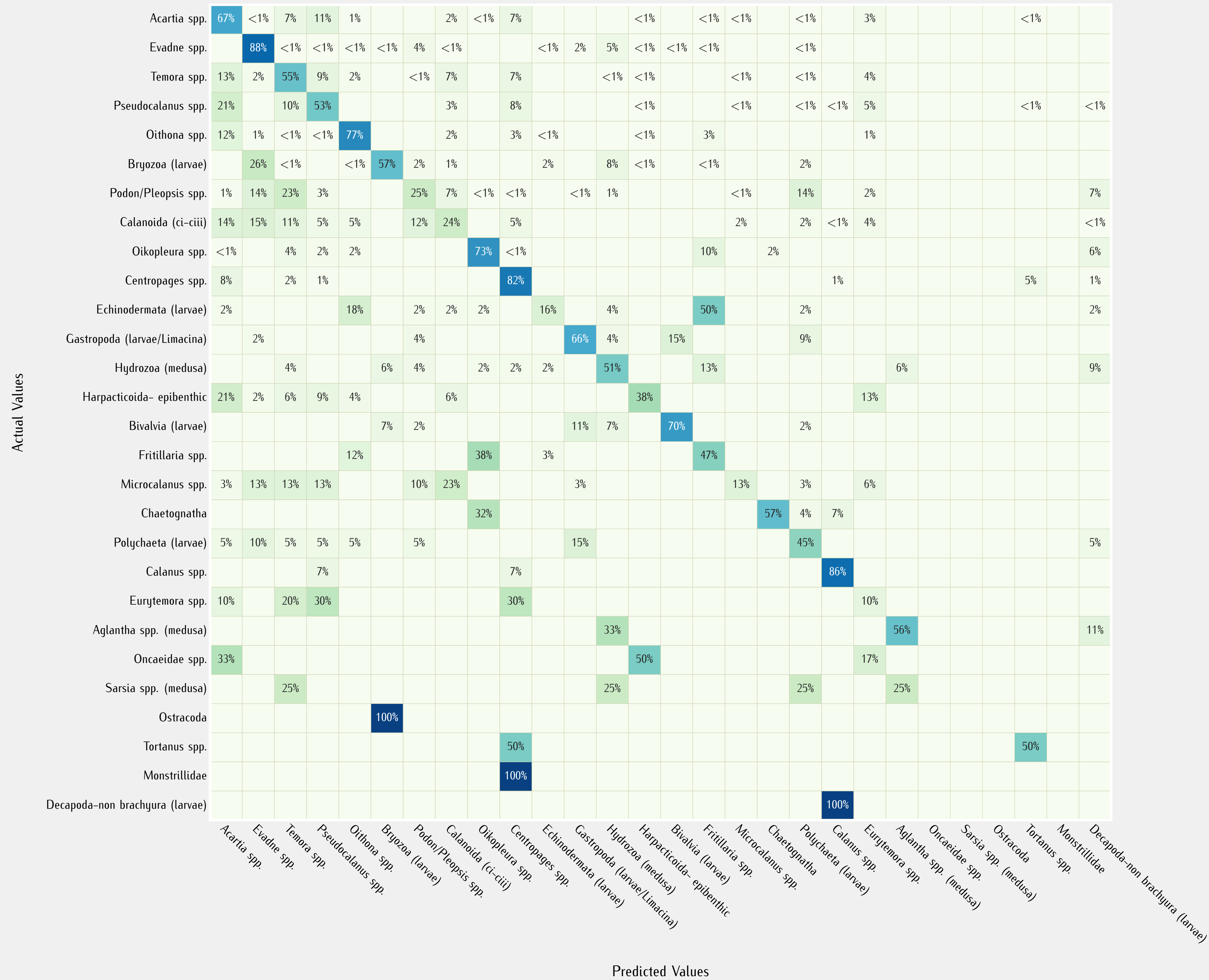


Use of SCN features: Yes
Max learning objects: 5000 objects/class
Strategy N° 5

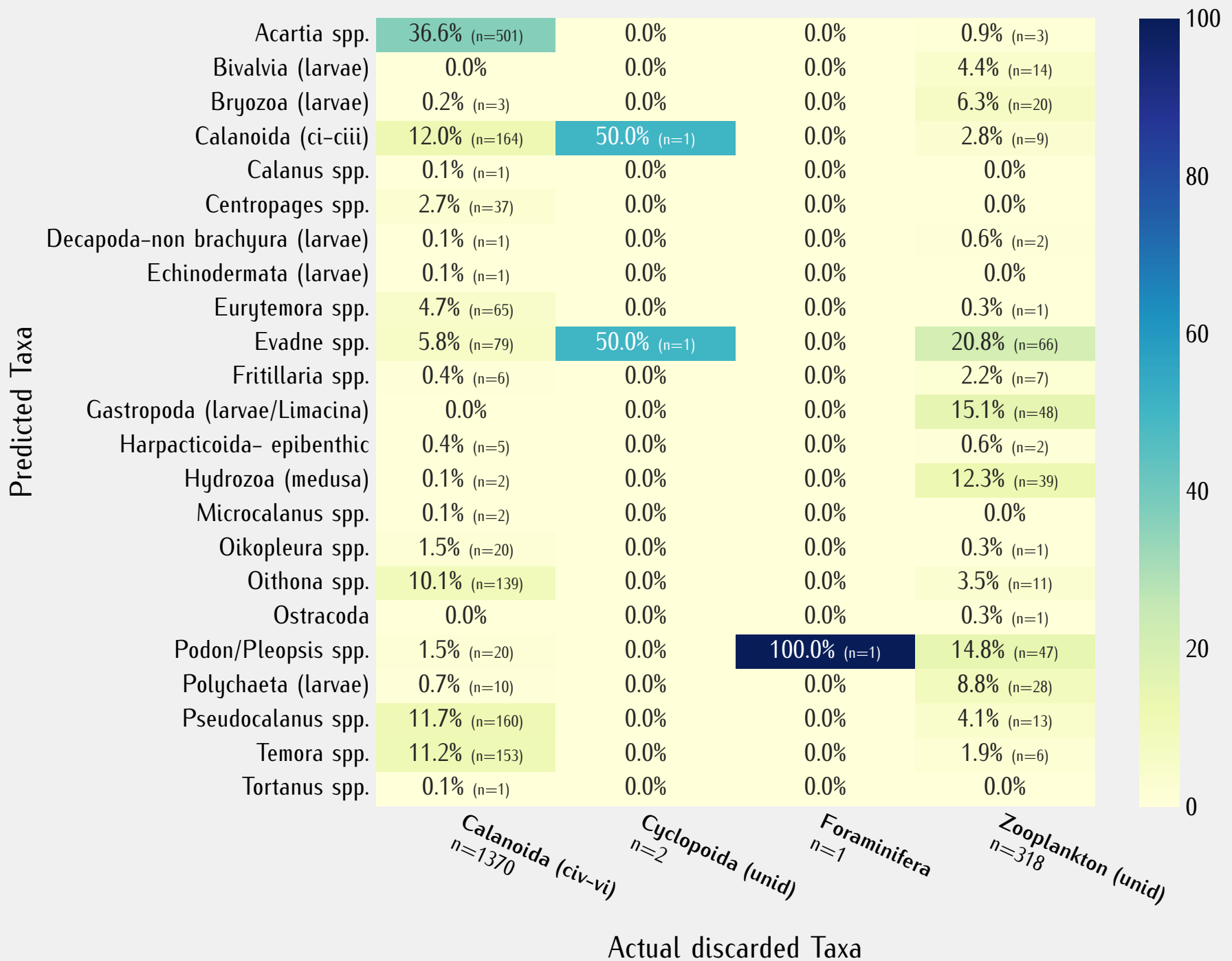
NL 2021 Selected Samples prediction using all regions training set,
Learning with all classes present in the selected samples, no extra training categories,
No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value



| Classification Report Matrix max 5000 learning objects per class | | | |
|---|-----------|--------|----------|
| | precision | recall | f1-score |
| Acartia spp. (n=2490-train=5000) | 0.77 | 0.67 | 0.71 |
| Evadne spp. (n=1931-train=5000) | 0.91 | 0.88 | 0.89 |
| Temora spp. (n=1416-train=5000) | 0.68 | 0.55 | 0.61 |
| Pseudocalanus spp. (n=1044-train=4845) | 0.56 | 0.53 | 0.54 |
| Oithona spp. (n=345-train=5000) | 0.73 | 0.77 | 0.75 |
| Bryozoa (larvae) (n=248-train=1142) | 0.90 | 0.57 | 0.70 |
| Podon/Pleopsis spp. (n=230-train=5000) | 0.35 | 0.25 | 0.29 |
| Calanoida (ci-cüü) | 0.12 | 0.24 | 0.16 |
| Oikopleura spp. (n=115-train=5000) | 0.74 | 0.73 | 0.73 |
| Centropages spp. (n=88-train=3620) | 0.16 | 0.82 | 0.27 |
| Echinodermata (larvae) (n=50-train=3043) | 0.44 | 0.16 | 0.24 |
| Gastropoda (larvae/Limacina) (n=47-train=3272) | 0.44 | 0.66 | 0.53 |
| Hydrozoa (medusa) (n=47-train=4052) | 0.15 | 0.51 | 0.23 |
| Harpacticoida- epibenthic (n=47-train=555) | 0.50 | 0.38 | 0.43 |
| Bivalvia (larvae) (n=44-train=3764) | 0.78 | 0.70 | 0.74 |
| Fritillaria spp. (n=34-train=5000) | 0.20 | 0.47 | 0.28 |
| Microcalanus spp. (n=31-train=80) | 0.36 | 0.13 | 0.19 |
| Chaetognatha (n=28-train=89) | 0.89 | 0.57 | 0.70 |
| Polychaeta (larvae) (n=20-train=1577) | 0.15 | 0.45 | 0.22 |
| Calanus spp. (n=14-train=359) | 0.63 | 0.86 | 0.73 |
| Eurytemora spp. (n=10-train=1818) | 0.00 | 0.10 | 0.01 |
| Aglantha spp. (medusa) (n=9-train=22) | 0.56 | 0.56 | 0.56 |
| Oncaeidae spp. (n=6-train=18) | 0.00 | 0.00 | 0.00 |
| Sarsia spp. (medusa) (n=4-train=4) | 0.00 | 0.00 | 0.00 |
| Ostracoda (n=2-train=25) | 0.00 | 0.00 | 0.00 |
| Tortanus spp. (n=2-train=203) | 0.12 | 0.50 | 0.20 |
| Monstrillidae (n=1-train=27) | 0.00 | 0.00 | 0.00 |
| Decapoda-non brachyura (larvae) (n=1-train=423) | 0.00 | 0.00 | 0.00 |
| macro avg | 0.40 | 0.43 | 0.38 |
| weighted avg | 0.72 | 0.65 | 0.68 |
| | precision | recall | f1-score |

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

