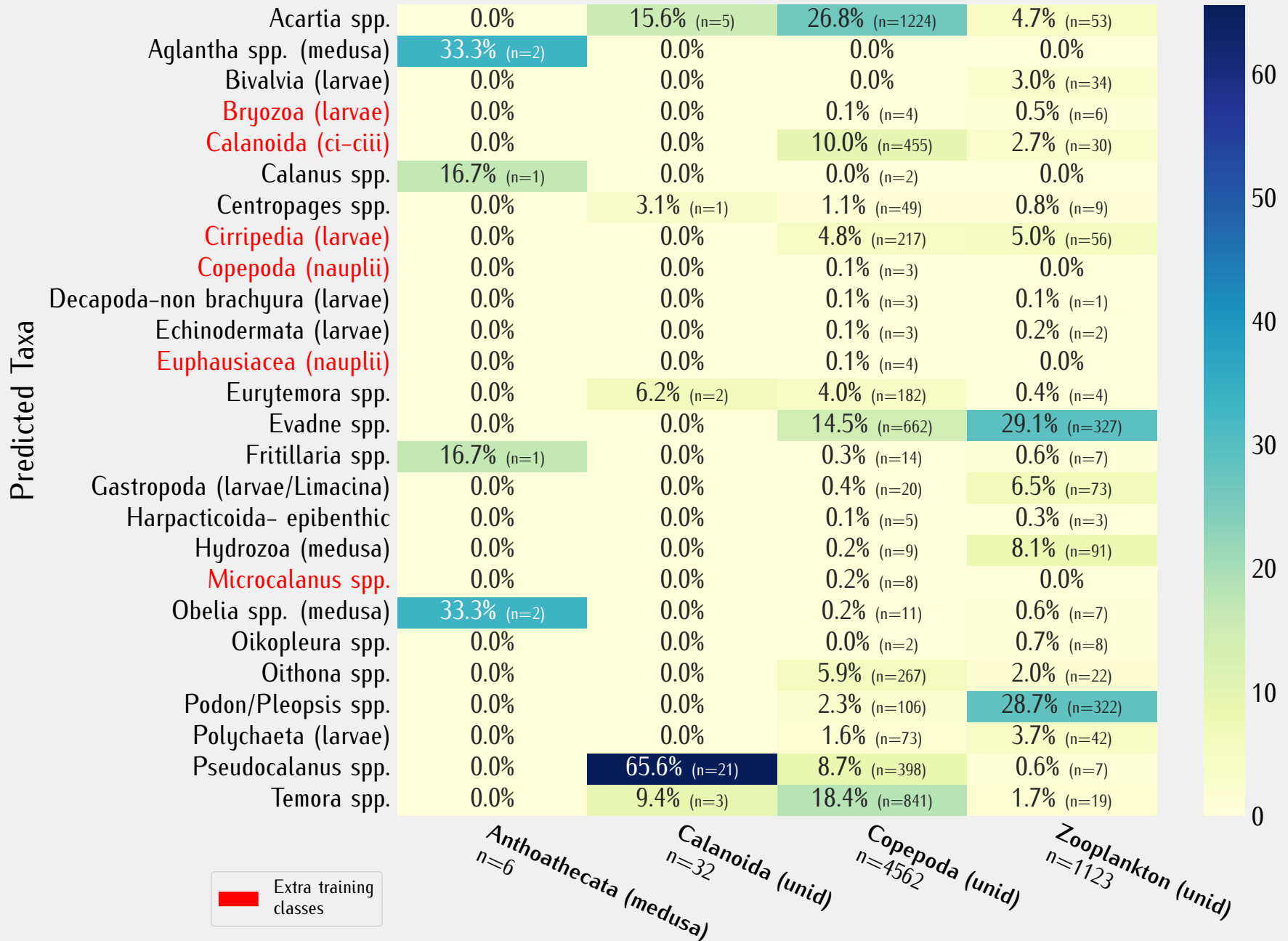NL 2020 Selected Samples prediction using all regions training set,
Learning with all classes present in the selected samples, with extra regional training categories,
No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set
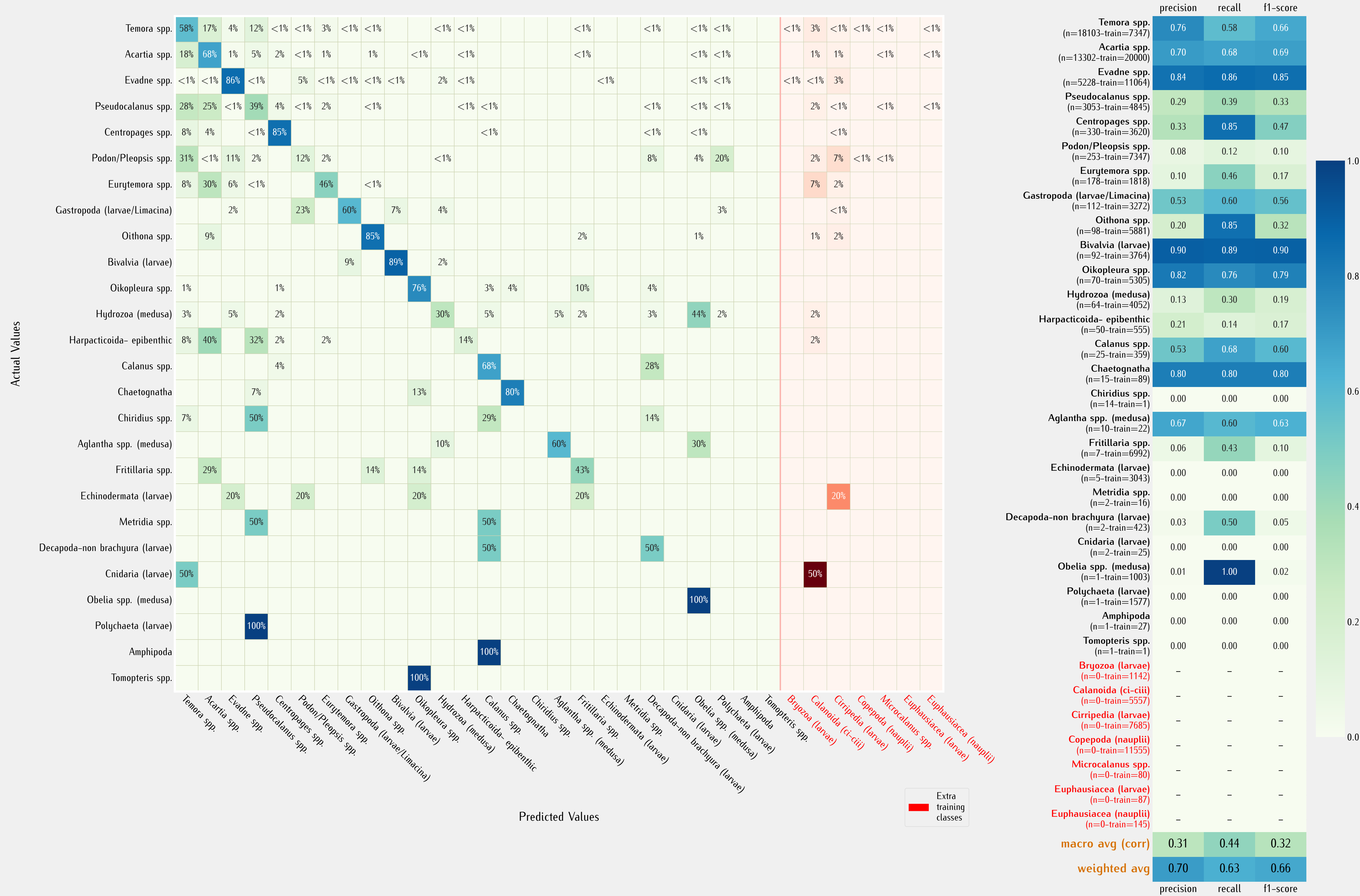
# Predictions of discarded taxa from training

| Predicted Taxa | Anthoathecata (medusa) n=6 | Calanoida n=32 | Copepoda (unid) n=4562 | Zooplankton (unid) n=1123 |
|---|---|---|---|---|
| Acartia spp. | 0.0% | 15.6% (n=5) | 26.8% (n=1224) | 4.7% (n=53) |
| Aglantha spp. (medusa) | 33.3% (n=2) | 0.0% | 0.0% | 0.0% |
| Bivalvia (larvae) | 0.0% | 0.0% | 0.0% | 3.0% (n=34) |
| Bryozoa (larvae) | 0.0% | 0.0% | 0.1% (n=4) | 0.5% (n=6) |
| Calanoida (ci-ciii) | 0.0% | 0.0% | 10.0% (n=455) | 2.7% (n=30) |
| Calanus spp. | 16.7% (n=1) | 0.0% | 0.0% (n=2) | 0.0% |
| Centropages spp. | 0.0% | 3.1% (n=1) | 1.1% (n=49) | 0.8% (n=9) |
| Cirripedia (larvae) | 0.0% | 0.0% | 4.8% (n=217) | 5.0% (n=56) |
| Copepoda (nauplii) | 0.0% | 0.0% | 0.1% (n=3) | 0.0% |
| Decapoda-non brachyura (larvae) | 0.0% | 0.0% | 0.1% (n=3) | 0.1% (n=1) |
| Echinodermata (larvae) | 0.0% | 0.0% | 0.1% (n=3) | 0.2% (n=2) |
| Euphausiacea (nauplii) | 0.0% | 0.0% | 0.1% (n=4) | 0.0% |
| Eurytemora spp. | 0.0% | 6.2% (n=2) | 4.0% (n=182) | 0.4% (n=4) |
| Evadne spp. | 0.0% | 0.0% | 14.5% (n=662) | 29.1% (n=327) |
| Fritillaria spp. | 16.7% (n=1) | 0.0% | 0.3% (n=14) | 0.6% (n=7) |
| Gastropoda (larvae/Limacina) | 0.0% | 0.0% | 0.4% (n=20) | 6.5% (n=73) |
| Harpacticoida- epibenthic | 0.0% | 0.0% | 0.1% (n=5) | 0.3% (n=3) |
| Hydrozoa (medusa) | 0.0% | 0.0% | 0.2% (n=9) | 8.1% (n=91) |
| Microcalanus spp. | 0.0% | 0.0% | 0.2% (n=8) | 0.0% |
| Obelia spp. (medusa) | 33.3% (n=2) | 0.0% | 0.2% (n=11) | 0.6% (n=7) |
| Oikopleura spp. | 0.0% | 0.0% | 0.0% (n=2) | 0.7% (n=8) |
| Oithona spp. | 0.0% | 0.0% | 5.9% (n=267) | 2.0% (n=22) |
| Podon/Pleopsis spp. | 0.0% | 0.0% | 2.3% (n=106) | 28.7% (n=322) |
| Polychaeta (larvae) | 0.0% | 0.0% | 1.6% (n=73) | 3.7% (n=42) |
| Pseudocalanus spp. | 0.0% | 65.6% (n=21) | 8.7% (n=398) | 0.6% (n=7) |
| Temora spp. | 0.0% | 9.4% (n=3) | 18.4% (n=841) | 1.7% (n=19) |

Predicted Taxa (y-axis) / Actual discarded Taxa (x-axis)

Legend: ▮ Extra training classes (shown in red: Bryozoa (larvae), Calanoida (ci-ciii), Cirripedia (larvae), Copepoda (nauplii), Euphausiacea (nauplii), Microcalanus spp.)

Relative Abundance of Top Taxonomic Instances per Sample

**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