NL 2021 Selected Samples prediction using NL 2021 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

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

Confusion Matrix - In percent of Actual Value

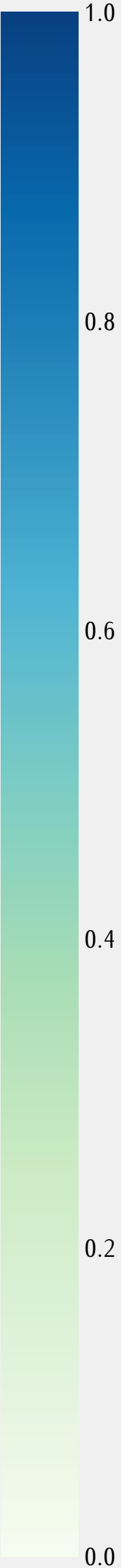Classification Report Matrix
max available learning objects per class

## Predictions of discarded taxa from training

*Legend: Red labels indicate Extra training classes.*

**Predicted Taxa (rows) × Actual discarded Taxa (columns)**

| Predicted Taxa | Aglantha spp. (medusa) n=9 | Calanoida (civ-vi) n=1370 | Cyclopoida n=2 | Decapoda-non brachyura (larvae) n=1 | Foraminifera n=1 | Hydrozoa (medusa) n=47 | Monstrillidae n=1 | Oncaeidae spp. n=6 | Ostracoda n=2 | Sarsia spp. (medusa) n=4 | Tortanus spp. n=2 | Zooplankton (unid) n=318 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acartia spp. | 0.0% | 24.6% (n=337) | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% (n=1) | 16.7% (n=1) | 0.0% | 0.0% | 50.0% (n=1) | 0.9% (n=3) |
| Bivalvia (larvae) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 10.4% (n=33) |
| Bryozoa (larvae) | 0.0% | 0.3% (n=4) | 0.0% | 0.0% | 0.0% | 2.1% (n=1) | 0.0% | 0.0% | 50.0% (n=1) | 0.0% | 0.0% | 5.7% (n=18) |
| Calanoida (ci-ciii) | 0.0% | 26.4% (n=362) | 0.0% | 0.0% | 0.0% | 2.1% (n=1) | 0.0% | 16.7% (n=1) | 0.0% | 0.0% | 0.0% | 3.8% (n=12) |
| Calanus spp. | 0.0% | 0.1% (n=1) | 0.0% | 100.0% (n=1) | 0.0% | 2.1% (n=1) | 0.0% | 0.0% | 0.0% | 25.0% (n=1) | 50.0% (n=1) | 0.6% (n=2) |
| Cirripedia (larvae) | 0.0% | 1.9% (n=26) | 0.0% | 0.0% | 0.0% | 10.6% (n=5) | 0.0% | 0.0% | 0.0% | 25.0% (n=1) | 0.0% | 1.6% (n=5) |
| Copepoda (nauplii) | 0.0% | 7.2% (n=98) | 0.0% | 0.0% | 0.0% | 2.1% (n=1) | 0.0% | 0.0% | 50.0% (n=1) | 0.0% | 0.0% | 6.9% (n=22) |
| Echinodermata (larvae) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.1% (n=1) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% (n=3) |
| Euphausiacea (nauplii) | 0.0% | 0.5% (n=7) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Evadne spp. | 0.0% | 3.5% (n=48) | 50.0% (n=1) | 0.0% | 0.0% | 25.5% (n=12) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 30.5% (n=97) |
| Fritillaria spp. | 0.0% | 1.3% (n=18) | 0.0% | 0.0% | 0.0% | 19.1% (n=9) | 0.0% | 0.0% | 0.0% | 25.0% (n=1) | 0.0% | 2.8% (n=9) |
| Gastropoda (larvae/Limacina) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 8.8% (n=28) |
| Harpacticoida- epibenthic | 0.0% | 0.4% (n=5) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 33.3% (n=2) | 0.0% | 0.0% | 0.0% | 0.3% (n=1) |
| Microcalanus spp. | 0.0% | 0.2% (n=3) | 50.0% (n=1) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Obelia spp. (medusa) | 77.8% (n=7) | 0.0% | 0.0% | 0.0% | 0.0% | 23.4% (n=11) | 0.0% | 0.0% | 0.0% | 25.0% (n=1) | 0.0% | 0.0% |
| Oikopleura spp. | 11.1% (n=1) | 0.1% (n=2) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Oithona spp. | 0.0% | 10.9% (n=150) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 16.7% (n=1) | 0.0% | 0.0% | 0.0% | 3.1% (n=10) |
| Podon/Pleopsis spp. | 0.0% | 0.3% (n=4) | 0.0% | 0.0% | 100.0% (n=1) | 4.3% (n=2) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 11.3% (n=36) |
| Polychaeta (larvae) | 11.1% (n=1) | 0.5% (n=7) | 0.0% | 0.0% | 0.0% | 6.4% (n=3) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 7.9% (n=25) |
| Pseudocalanus spp. | 0.0% | 11.9% (n=163) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 16.7% (n=1) | 0.0% | 0.0% | 0.0% | 3.5% (n=11) |
| Temora spp. | 0.0% | 9.9% (n=135) | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% (n=3) |

Relative Abundance of Top Taxonomic Instances per Sample

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