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: Yes
Max learning objects: 5000 objects/class
Strategy N° 4

Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 5000 learning objects per class

Predictions of discarded taxa from training
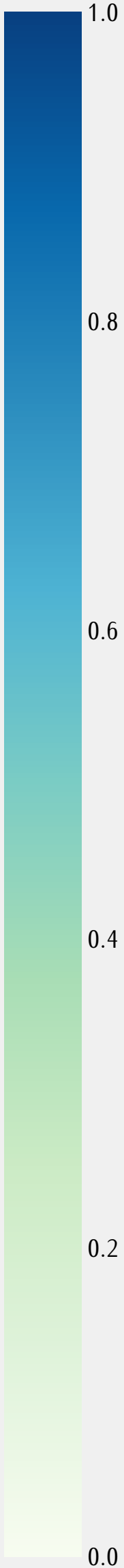
Y-axis: Predicted Taxa   **X-axis:** Actual discarded Taxa

Legend: red = Extra training classes (Cirripedia (larvae), Copepoda (nauplii), Euphausiacea (nauplii), Obelia spp. (medusa))

Predicted Taxa	Aglantha spp. (medusa) n=9	Calanoida (civ-vi) n=1370	Cyclopoida n=2	Decapoda (unid) n=1	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%	24.4% (n=334)	0.0%	0.0%	0.0%	0.0%	0.0%	100.0% (n=1)	16.7% (n=1)	0.0%	0.0%	50.0% (n=1)	0.6% (n=2)
Bivalvia (larvae)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.4% (n=30)
Bryozoa (larvae)	0.0%	0.1% (n=1)	0.0%	0.0%	0.0%	0.0%	2.1% (n=1)	0.0%	0.0%	50.0% (n=1)	0.0%	0.0%	2.5% (n=8)
Calanoida (ci-ciii)	0.0%	25.8% (n=353)	50.0% (n=1)	0.0%	0.0%	0.0%	0.0%	0.0%	16.7% (n=1)	0.0%	0.0%	0.0%	4.1% (n=13)
Calanus spp.	0.0%	0.1% (n=1)	0.0%	100.0% (n=1)	0.0%	0.0%	4.3% (n=2)	0.0%	0.0%	0.0%	25.0% (n=1)	50.0% (n=1)	0.6% (n=2)
Cirripedia (larvae)	0.0%	1.7% (n=23)	0.0%	0.0%	0.0%	0.0%	17.0% (n=8)	0.0%	0.0%	0.0%	25.0% (n=1)	0.0%	1.3% (n=4)
Copepoda (nauplii)	0.0%	5.5% (n=76)	0.0%	0.0%	0.0%	0.0%	2.1% (n=1)	0.0%	0.0%	0.0%	0.0%	0.0%	7.2% (n=23)
Echinodermata (larvae)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3% (n=2)	0.0%	0.0%	0.0%	0.0%	0.0%	1.3% (n=4)
Euphausiacea (nauplii)	0.0%	0.7% (n=9)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Evadne spp.	0.0%	4.1% (n=56)	50.0% (n=1)	0.0%	0.0%	0.0%	27.7% (n=13)	0.0%	0.0%	50.0% (n=1)	0.0%	0.0%	39.0% (n=124)
Fritillaria spp.	0.0%	1.7% (n=23)	0.0%	0.0%	0.0%	0.0%	19.1% (n=9)	0.0%	0.0%	0.0%	25.0% (n=1)	0.0%	3.1% (n=10)
Gastropoda (larvae/Limacina)	0.0%	0.0%	0.0%	0.0%	100.0% (n=1)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.5% (n=27)
Harpacticoida- epibenthic	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.3% (n=2)	0.0%	0.0%	0.0%	0.0%
Microcalanus spp.	0.0%	0.1% (n=2)	0.0%	0.0%	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%	0.0%	10.6% (n=5)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Oikopleura spp.	11.1% (n=1)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Oithona spp.	0.0%	11.9% (n=163)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7% (n=1)	0.0%	0.0%	0.0%	2.2% (n=7)
Podon/Pleopsis spp.	0.0%	0.3% (n=4)	0.0%	0.0%	0.0%	0.0%	4.3% (n=2)	0.0%	0.0%	0.0%	0.0%	0.0%	9.4% (n=30)
Polychaeta (larvae)	11.1% (n=1)	0.2% (n=3)	0.0%	0.0%	0.0%	0.0%	6.4% (n=3)	0.0%	0.0%	0.0%	25.0% (n=1)	0.0%	6.9% (n=22)
Pseudocalanus spp.	0.0%	13.4% (n=183)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7% (n=1)	0.0%	0.0%	0.0%	3.1% (n=10)
Temora spp.	0.0%	10.1% (n=139)	0.0%	0.0%	0.0%	0.0%	2.1% (n=1)	0.0%	0.0%	0.0%	0.0%	0.0%	0.6% (n=2)

Colour scale: 0 – 100

Relative Abundance of Top Taxonomic Instances per Sample