

Use of SCN features: No
Max learning objects: 5000 objects/class
Strategy N° 4

NL 2020 Selected Samples prediction using NL 2020 training set,
Learning with selected samples classes with no low regional training instances, with extra training categories,
No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classification Report Matrix
max 5000 learning objects per class

Actual Values

Predicted Values

Extra
training
classes

precision

recall

f1-score

Temora spp. (n=18103-train=5000)	0.71	0.51	0.59
Acartia spp. (n=13302-train=5000)	0.75	0.53	0.62
Evadne spp. (n=5228-train=2845)	0.89	0.88	0.89
Pseudocalanus spp. (n=3053-train=4552)	0.24	0.47	0.32
Centropages spp. (n=330-train=40)	1.00	0.05	0.09
Podon/Pleopsis spp. (n=253-train=201)	0.13	0.12	0.12
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00
Gastropoda (larvae/Limacina) (n=112-train=110)	0.59	0.34	0.43
Oithona spp. (n=98-train=1409)	0.11	0.85	0.19
Bivalvia (larvae) (n=92-train=71)	0.77	0.90	0.83
Oikopleura spp. (n=70-train=761)	0.94	0.71	0.81
Harpacticoida- epibenthic (n=50-train=136)	0.11	0.34	0.16
Calanus spp. (n=25-train=213)	0.88	0.84	0.86
Chaetognatha (n=15-train=67)	0.92	0.80	0.86
Fritillaria spp. (n=7-train=3447)	0.06	0.71	0.11
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00
Obelia spp. (medusa) (n=1-train=43)	0.00	0.00	0.00
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00
Bryozoa (larvae) (n=0-train=119)	-	-	-
Calanoida (ci-ciii) (n=0-train=3713)	-	-	-
Cirripedia (larvae) (n=0-train=611)	-	-	-
Copepoda (nauplii) (n=0-train=1025)	-	-	-
Microcalanus spp. (n=0-train=80)	-	-	-
Euphausiacea (larvae) (n=0-train=75)	-	-	-
Euphausiacea (nauplii) (n=0-train=122)	-	-	-
macro avg (corr)	0.45	0.45	0.38
weighted avg	0.70	0.55	0.61

1.0

0.8

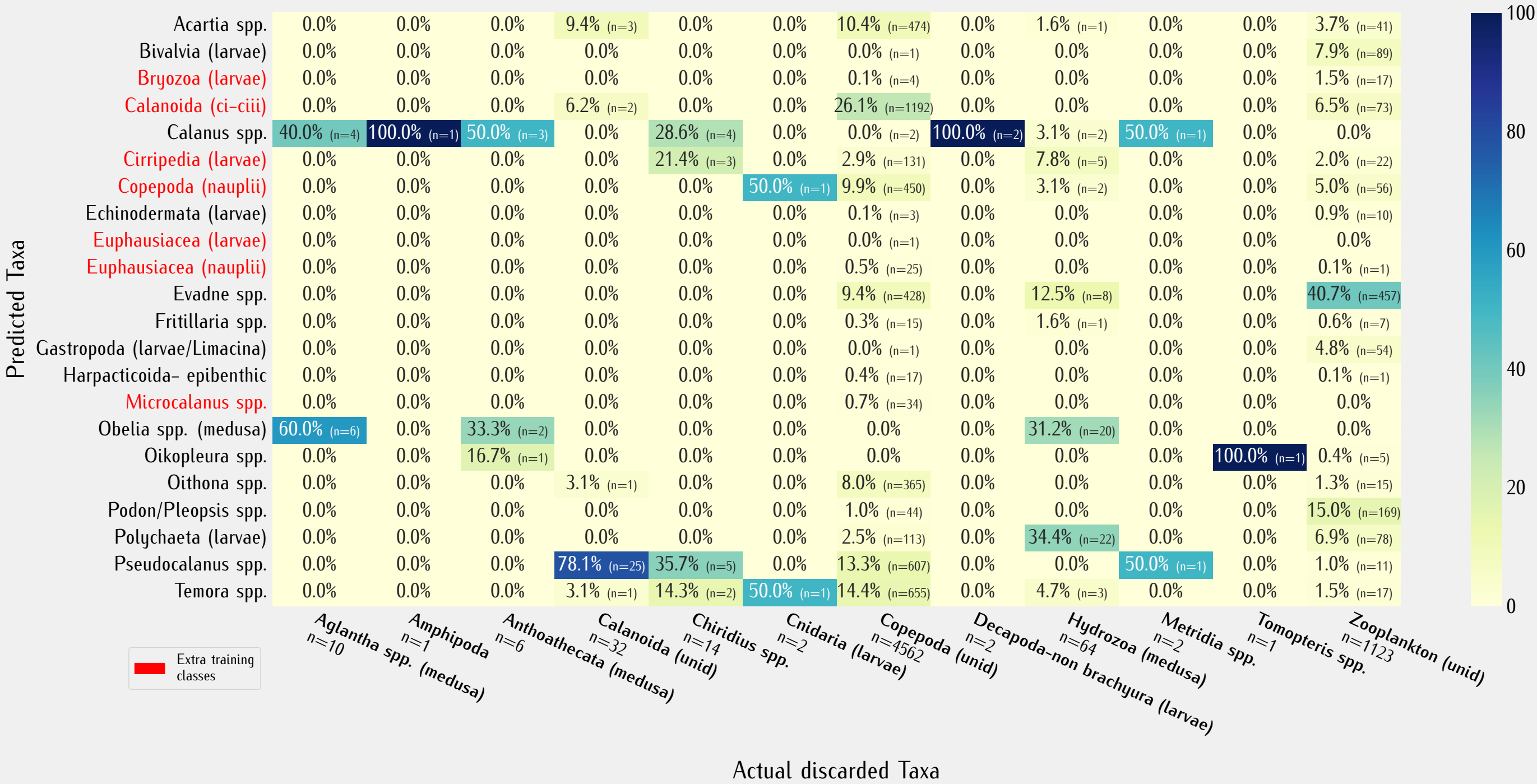
0.6

0.4

0.2

0.0

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

