

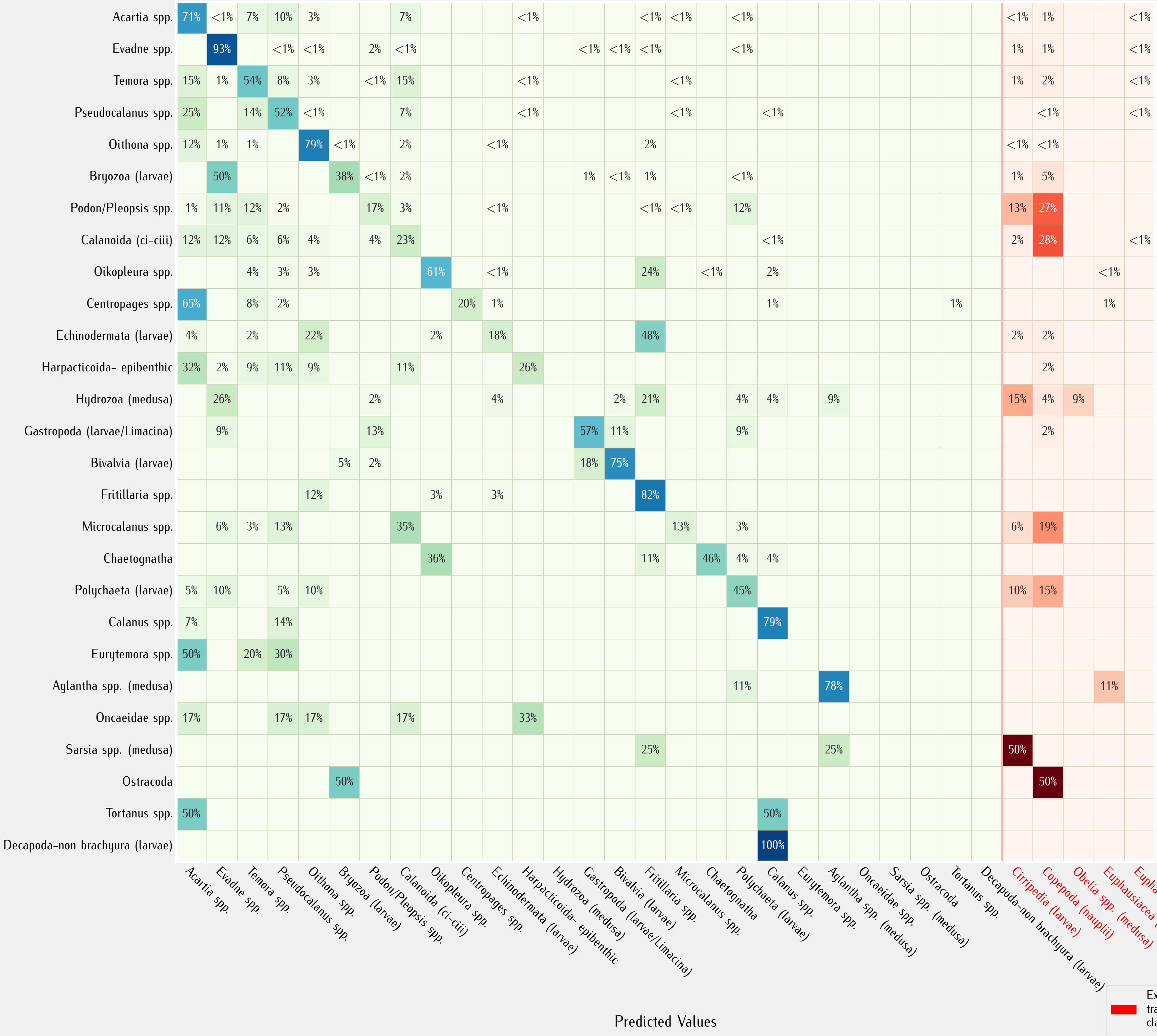
Use of SCN features: Yes
Max learning objects: 20000 objects/class
Strategy N° 2

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

Confusion Matrix – In percent of Actual Value

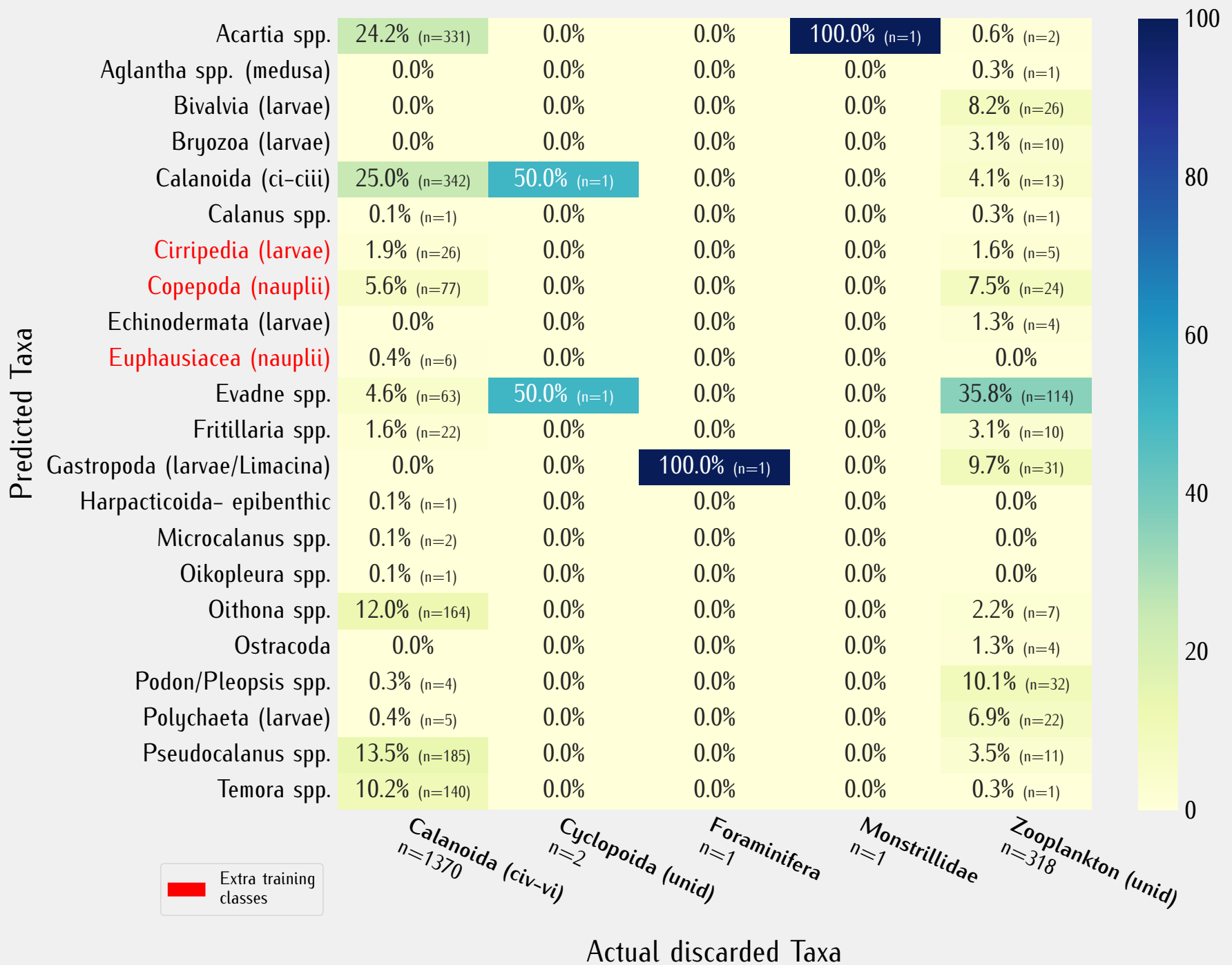
Classification Report Matrix
max 20000 learning objects per class

Actual Values



	precision	recall	f1-score
Acartia spp. (n=2490-train=5448)	0.74	0.71	0.73
Evadne spp. (n=1931-train=2845)	0.89	0.93	0.91
Temora spp. (n=1416-train=5148)	0.66	0.54	0.59
Pseudocalanus spp. (n=1044-train=4552)	0.58	0.52	0.55
Oithona spp. (n=345-train=1409)	0.65	0.79	0.72
Bryozoa (larvae) (n=248-train=119)	0.96	0.38	0.55
Podon/Pleopsis spp. (n=230-train=201)	0.41	0.17	0.24
Calanoida (ci-ciii) (n=130-train=3713)	0.06	0.23	0.09
Oikopleura spp. (n=115-train=761)	0.85	0.61	0.71
Centropages spp. (n=88-train=40)	1.00	0.20	0.34
Echinodermata (larvae) (n=50-train=276)	0.56	0.18	0.27
Harpacticoida- epibenthic (n=47-train=136)	0.63	0.26	0.36
Hydrozoa (medusa) (n=47-train=21)	0.00	0.00	0.00
Gastropoda (larvae/Limacina) (n=47-train=110)	0.48	0.57	0.52
Bivalvia (larvae) (n=44-train=71)	0.75	0.75	0.75
Fritillaria spp. (n=34-train=3447)	0.24	0.82	0.37
Microcalanus spp. (n=31-train=80)	0.36	0.13	0.19
Chaetognatha (n=28-train=67)	0.93	0.46	0.62
Polychaeta (larvae) (n=20-train=452)	0.18	0.45	0.25
Calanus spp. (n=14-train=213)	0.50	0.79	0.61
Eurytemora spp. (n=10-train=88)	0.00	0.00	0.00
Aglantha spp. (medusa) (n=9-train=21)	0.58	0.78	0.67
Oncaeididae spp. (n=6-train=16)	0.00	0.00	0.00
Sarsia spp. (medusa) (n=4-train=4)	0.00	0.00	0.00
Ostracoda (n=2-train=6)	0.00	0.00	0.00
Tortanus spp. (n=2-train=4)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=1-train=7)	0.00	0.00	0.00
Cirripedia (larvae) (n=0-train=611)	-	-	-
Copepoda (nauplii) (n=0-train=1025)	-	-	-
Obelia spp. (medusa) (n=0-train=43)	-	-	-
Euphausiacea (larvae) (n=0-train=75)	-	-	-
Euphausiacea (nauplii) (n=0-train=122)	-	-	-
macro avg (corr)	0.45	0.38	0.37
weighted avg	0.72	0.66	0.67
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

